

Gene symbol	event_id	chrom	UE_end	start	end	DW_start	strand
0610007C21Rik	MmuEX0000010	chr5	31354906	31355136	31355257	31356334	+
0610007C21Rik	MmuEX0000011	chr5	31355257	31356334	31356431	31356636	+
0610007C21Rik	MmuEX0000012	chr5	31354641	31354835	31354906	31355136	+
0610007L01Rik	MmuEX0000013	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
0610007L01Rik	MmuEX0000014	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
0610007L01Rik	MmuEX0000015	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
0610007L01Rik	MmuEX0000016	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
0610007P08Rik	MmuEX0000017	chr13	63950168	63952922	63953012	63954259	+
0610007P08Rik	MmuEX0000018	chr13	63954330	63954936	63955081	63959539	+
0610007P08Rik	MmuEX0000019	chr13	63950168	63954259	63954330	63954936	+
0610007P08Rik	MmuEX0000020	chr13	63970486	63971997	63972077	63973104	+
0610007P08Rik	MmuEX0000021	chr13	63978841	63995946	63996127	63999842	+
0610007P08Rik	MmuEX0000022	chr13	63917118	63920939	63921363	63926117	+
0610007P08Rik	MmuEX0000023	chr13	63921363	63926117	63926236	63935904	+
0610007P08Rik	MmuEX0000024	chr13	63926236	63935904	63936097	63942732	+
0610007P08Rik	MmuEX0000025	chr13	63936097	63942201	63942347	63942732	+
0610007P14Rik	MmuEX0000026	chr12	87163198	87164249	87164384	87165421	-
0610007P14Rik	MmuEX0000027	chr12	87160519	87163038	87163194	87165421	-
0610007P14Rik	MmuEX0000028	chr12	87157384	87160429	87160519	87165421	-
0610007P22Rik	MmuEX0000029	chr17	25378202	25378633	25378806	25379104	+
0610007P22Rik	MmuEX0000030	chr17	25378806	25379104	25379167	25379399	+
0610009D07Rik	MmuEX0000032	chr12	4824625	4827400	4827518	4833564	+
0610009O20Rik	MmuEX0000033	chr18	38417054	38417351	38417514	38417682	+
0610009O20Rik	MmuEX0000034	chr18	38417054	38417682	38417840	38417924	+
0610009O20Rik	MmuEX0000035	chr18	38419710	38420397	38420500	38420718	+
0610009O20Rik	MmuEX0000036	chr18	38410854	38410937	38411054	38412475	+
0610009O20Rik	MmuEX0000037	chr18	38413723	38413934	38414022	38414124	+
0610010F05Rik	MmuEX0000038	chr11	23512048	23513003	23513162	23515096	-
0610010F05Rik	MmuEX0000040	chr11	23488734	23489951	23489983	23493426	-
0610010F05Rik	MmuEX0000041	chr11	23520467	23522436	23522525	23524936	-
0610010F05Rik	MmuEX0000042	chr11	23517196	23520229	23520467	23524936	-
0610010F05Rik	MmuEX0000043	chr11	23515256	23517138	23517196	23520229	-
0610010F05Rik	MmuEX0000044	chr11	23512048	23515096	23515256	23517138	-
0610010F05Rik	MmuEX0000045	chr11	23511857	23511962	23512048	23515096	-
0610010F05Rik	MmuEX0000048	chr11	23529119	23531205	23531334	23533481	-
0610010K14Rik	MmuEX0000049	chr11	70050480	70051033	70051127	70051286	-
0610010K14Rik	MmuEX0000050	chr11	70048970	70049198	70049262	70049499	-
0610010K14Rik	MmuEX0000051	chr11	70049713	70050379	70050480	70050762	-
0610010O12Rik	MmuEX0000052	chr18	36508470	36510363	36510462	36511634	+
0610010O12Rik	MmuEX0000053	chr18	36526395	36528416	36528470	36562151	+
0610011F06Rik	MmuEX0000054	chr17	26012671	26012905	26013067	26013165	+
0610011L14Rik	MmuEX0000055	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
0610011L14Rik	MmuEX0000056	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
0610030E20Rik	MmuEX0000058	chr6	72297705	72298523	72298674	72298991	+
0610037L13Rik	MmuEX0000059	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+

0610037L13Rik	MmuEX0000060	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
0610037L13Rik	MmuEX0000061	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
0610037P05Rik	MmuEX0000062	chr16	14314106	14317026	14317171	14317387	-
0610037P05Rik	MmuEX0000063	chr16	14311224	14313354	14313493	14313909	-
0610037P05Rik	MmuEX0000064	chr16	14311224	14312052	14312090	14313909	-
0610037P05Rik	MmuEX0000065	chr16	14300302	14304547	14304680	14311140	-
0610037P05Rik	MmuEX0000066	chr16	14304680	14313909	14314106	14317387	-
0610037P05Rik	MmuEX0000067	chr16	14304680	14311140	14311224	14317387	-
0610040B10Rik	MmuEX0000068	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
0910001L09Rik	MmuEX0000072	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
1110002L01Rik	MmuEX0000073	chr12	3407924	3423100	3423184	3426501	-
1110002N22Rik	MmuEX0000074	chr11	79950781	79951420	79951569	79953368	-
1110002N22Rik	MmuEX0000075	chr11	79951583	79953368	79953821	79955574	-
1110003E01Rik	MmuEX0000076	chr5	65841676	65844425	65844567	65851763	-
1110003E01Rik	MmuEX0000077	chr5	65841676	65842543	65842588	65844425	-
1110003E01Rik	MmuEX0000078	chr5	65851811	65859632	65859740	65883975	-
1110003E01Rik	MmuEX0000079	chr5	65859740	65868565	65868618	65876293	-
1110003E01Rik	MmuEX0000080	chr5	65844567	65851763	65851811	65859632	-
1110004E09Rik	MmuEX0000081	chr16	90927753	90930161	90930228	90931239	-
1110004F10Rik	MmuEX0000082	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
1110005A03Rik	MmuEX0000083	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
1110007C09Rik	MmuEX0000084	chr13	49305572	49311123	49311137	49311306	-
1110007C09Rik	MmuEX0000085	chr13	49303515	49305458	49305572	49311123	-
1110007C09Rik	MmuEX0000086	chr13	49299357	49300561	49300714	49303373	-
1110007C09Rik	MmuEX0000087	chr13	49299158	49299316	49299357	49300561	-
1110008F13Rik	MmuEX0000088	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
1110008F13Rik	MmuEX0000089	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
1110008F13Rik	MmuEX0000090	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
1110008F13Rik	MmuEX0000091	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
1110008J03Rik	MmuEX0000092	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
1110008J03Rik	MmuEX0000093	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
1110008L16Rik	MmuEX0000094	chr12	56409856	56416821	56416947	56439147	+
1110012D08Rik	MmuEX0000096	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
1110012J17Rik	MmuEX0000101	chr17	66717800	66720663	66720785	66727193	-
1110014N23Rik	MmuEX0000102	chr19	6068942	6069026	6069147	6069465	-
1110014N23Rik	MmuEX0000103	chr19	6071156	6071266	6071485	6071562	-
1110014N23Rik	MmuEX0000104	chr19	6070073	6070439	6071156	6071562	-
1110014N23Rik	MmuEX0000105	chr19	6071708	6076363	6076492	6076951	-
1110018G07Rik	MmuEX0000108	chr12	86292331	86306839	86306978	86311579	-
1110018G07Rik	MmuEX0000109	chr12	86275349	86275520	86275700	86275904	-
1110018G07Rik	MmuEX0000110	chr12	86271440	86272649	86272726	86275102	-
1110018G07Rik	MmuEX0000111	chr12	86268360	86268819	86268894	86271068	-
1110018G07Rik	MmuEX0000112	chr12	86261530	86261630	86261805	86262208	-
1110018G07Rik	MmuEX0000113	chr12	86267363	86268251	86268360	86268819	-
1110018G07Rik	MmuEX0000114	chr12	86292331	86293141	86293366	86311579	-
1110018G07Rik	MmuEX0000115	chr12	86284342	86292003	86292331	86311579	-
1110018G07Rik	MmuEX0000116	chr12	86275700	86275904	86276073	86281110	-

1110018J18Rik	MmuEX0000117	chr13	64393536	64398563	64398694	64410130	-
1110018J18Rik	MmuEX0000118	chr13	64410235	64410401	64410454	64413575	-
1110018N20Rik	MmuEX0000119	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
1110020G09Rik	MmuEX0000120	chr15	9001514	9012231	9012318	9013019	+
1110020G09Rik	MmuEX0000121	chr15	9022608	9025772	9025850	9028567	+
1110020G09Rik	MmuEX0000122	chr15	9028632	9028844	9028942	9029864	+
1110020G09Rik	MmuEX0000123	chr15	9029959	9032740	9032795	9033083	+
1110020G09Rik	MmuEX0000124	chr15	9033136	9036486	9036609	9037976	+
1110020G09Rik	MmuEX0000125	chr15	9015555	9020924	9020997	9022472	+
1110020G09Rik	MmuEX0000126	chr15	9025850	9028567	9028632	9029864	+
1110021J02Rik	MmuEX0000127	chr17	29842528	29843624	29843694	29853879	-
1110021J02Rik	MmuEX0000128	chr17	29842268	29842434	29842528	29853879	-
1110021J02Rik	MmuEX0000129	chr17	29841414	29842216	29842265	29842434	-
1110028C15Rik	MmuEX0000133	chr1	66775149	66776604	66776756	66782211	-
1110028C15Rik	MmuEX0000134	chr1	66771186	66772448	66772572	66773261	-
1110028C15Rik	MmuEX0000135	chr1	66824682	66826103	66826207	66847623	-
1110028C15Rik	MmuEX0000136	chr1	66820193	66824541	66824682	66847623	-
1110028C15Rik	MmuEX0000137	chr1	66773382	66775018	66775149	66782211	-
1110028C15Rik	MmuEX0000138	chr1	66784787	66808622	66808826	66819480	-
1110028C15Rik	MmuEX0000139	chr1	66848742	66854099	66854178	66863948	-
1110028C15Rik	MmuEX0000140	chr1	66824682	66847623	66848742	66863948	-
1110031I02Rik	MmuEX0000141	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
1110031I02Rik	MmuEX0000142	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
1110032A03Rik	MmuEX0000143	chr9	50573031	50573136	50573271	50575807	-
1110032A03Rik	MmuEX0000144	chr9	50572395	50572870	50573031	50575807	-
1110032A03Rik	MmuEX0000145	chr9	50572121	50572329	50572395	50572801	-
1110034A24Rik	MmuEX0000147	chr12	70291381	70293795	70293938	70297479	-
1110034B05Rik	MmuEX0000148	chr1	57450331	57450514	57450538	57450891	-
1110034G24Rik	MmuEX0000149	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
1110037F02Rik	MmuEX0000150	chr4	11413252	11421911	11422026	11425887	+
1110037F02Rik	MmuEX0000151	chr4	11428504	11432589	11432757	11434101	+
1110037F02Rik	MmuEX0000152	chr4	11469350	11471978	11472144	11473116	+
1110037F02Rik	MmuEX0000153	chr4	11473447	11475878	11476021	11476692	+
1110037F02Rik	MmuEX0000154	chr4	11461468	11467057	11467209	11467628	+
1110038D17Rik	MmuEX0000155	chr10	74971714	74972337	74972578	74972777	-
1110038D17Rik	MmuEX0000156	chr10	74974031	74974817	74974901	74979899	-
1110038F14Rik	MmuEX0000158	chr15	76779349	76779498	76779582	76779974	+
1110049F12Rik	MmuEX0000159	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
1110051M20Rik	MmuEX0000161	chr2	91124477	91130759	91130911	91144906	-
1110051M20Rik	MmuEX0000162	chr2	91224016	91259024	91259075	91262023	-
1110051M20Rik	MmuEX0000163	chr2	91144990	91223886	91224016	91262023	-
1110051M20Rik	MmuEX0000164	chr2	91262125	91264719	91264856	91284726	-
1110051M20Rik	MmuEX0000165	chr2	91224016	91262023	91262125	91284726	-
1110051M20Rik	MmuEX0000166	chr2	91122817	91124392	91124477	91144906	-
1110054O05Rik	MmuEX0000167	chr4	59788421	59795126	59795206	59796600	-
1110054O05Rik	MmuEX0000168	chr4	59785331	59786788	59786878	59788319	-
1110057K04Rik	MmuEX0000169	chr12	8215010	8227406	8227561	8234026	+

1110057K04Rik	MmuEX0000170	chr12	8275404	8282614	8282696	8290706	+
1110057K04Rik	MmuEX0000171	chr12	8282696	8287528	8287633	8290706	+
1110057K04Rik	MmuEX0000172	chr12	8227561	8234026	8234169	8245249	+
1110057K04Rik	MmuEX0000173	chr12	8227561	8245252	8245421	8275170	+
1110057K04Rik	MmuEX0000174	chr12	8245421	8275170	8275404	8282614	+
1110059E24Rik	MmuEX0000175	chr19	21689935	21693599	21693705	21727097	-
1110059G10Rik	MmuEX0000176	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
1110059G10Rik	MmuEX0000177	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
1110065P20Rik	MmuEX0000178	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
1190002N15Rik	MmuEX0000179	chr9	94425114	94426102	94426150	94437638	-
1190002N15Rik	MmuEX0000180	chr9	94421065	94424811	94425114	94437638	-
1190005F20Rik	MmuEX0000181	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000182	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000183	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000184	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000185	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000186	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000187	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000188	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000189	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1190005F20Rik	MmuEX0000190	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
1200009I06Rik	MmuEX0000193	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
1200011I18Rik	MmuEX0000198	chr14	76505959	76507128	76507260	76510424	-
1200011I18Rik	MmuEX0000199	chr14	76502358	76505861	76505959	76507128	-
1200011I18Rik	MmuEX0000200	chr14	76498998	76502253	76502358	76505861	-
1200014J11Rik	MmuEX0000201	chr11	72887022	72889117	72889271	72891357	+
1200014J11Rik	MmuEX0000202	chr11	72889271	72889647	72889692	72891357	+
1200014J11Rik	MmuEX0000203	chr11	72879201	72880185	72880261	72881205	+
1200014J11Rik	MmuEX0000204	chr11	72883315	72884300	72884403	72886728	+
1200016B10Rik	MmuEX0000205	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000206	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000207	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000208	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000209	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000210	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000211	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000212	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1200016B10Rik	MmuEX0000213	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
1300001I01Rik	MmuEX0000214	chr11	74463196	74469925	74470127	74470670	+
1300001I01Rik	MmuEX0000215	chr11	74478928	74479195	74479279	74479425	+
1300001I01Rik	MmuEX0000216	chr11	74480524	74480602	74480727	74480819	+
1300001I01Rik	MmuEX0000217	chr11	74480940	74481169	74481262	74481349	+
1300002E11Rik	MmuEX0000218	chr16	21796048	21800848	21800909	21801354	+
1300010F03Rik	MmuEX0000226	chr14	79341152	79345073	79345256	79346948	+
1300010F03Rik	MmuEX0000227	chr14	79349225	79349307	79349384	79382043	+
1300010F03Rik	MmuEX0000228	chr14	79382203	79383996	79384109	79394207	+
1300010F03Rik	MmuEX0000229	chr14	79384109	79391147	79391240	79394207	+

1300010F03Rik	MmuEX0000230	chr14	79394970	79408593	79408676	79408971	+
1300010F03Rik	MmuEX0000231	chr14	79420493	79425813	79425884	79437932	+
1300010F03Rik	MmuEX0000232	chr14	79456529	79458480	79458615	79460336	+
1300010F03Rik	MmuEX0000233	chr14	79482718	79486427	79486626	79492098	+
1300010F03Rik	MmuEX0000234	chr14	79496346	79497187	79497272	79498041	+
1300010F03Rik	MmuEX0000235	chr14	79325236	79333473	79333637	79334401	+
1300010F03Rik	MmuEX0000236	chr14	79564019	79580548	79580673	79582780	+
1300010F03Rik	MmuEX0000237	chr14	79582938	79597219	79597317	79598029	+
1300010F03Rik	MmuEX0000238	chr14	79597317	79598029	79598267	79600905	+
1300010F03Rik	MmuEX0000239	chr14	79438008	79456454	79456529	79458480	+
1300010F03Rik	MmuEX0000240	chr14	79394375	79394893	79394970	79408971	+
1300010F03Rik	MmuEX0000241	chr14	79394970	79408971	79409086	79418414	+
1300014I06Rik	MmuEX0000242	chr13	34720757	34722220	34722331	34730034	-
1300014I06Rik	MmuEX0000243	chr13	34722331	34730034	34730151	34730876	-
1300014I06Rik	MmuEX0000244	chr13	34722331	34729023	34729176	34730034	-
1300018I17Rik	MmuEX0000250	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1300018I17Rik	MmuEX0000251	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1300018I17Rik	MmuEX0000252	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1300018J18Rik	MmuEX0000253	chr15	88920095	88923134	88923337	88924567	+
1300018J18Rik	MmuEX0000254	chr15	88929878	88930017	88930173	88930261	+
1300018J18Rik	MmuEX0000255	chr15	88926159	88926969	88927249	88929062	+
1300018J18Rik	MmuEX0000256	chr15	88927249	88929062	88929206	88929693	+
1300018J18Rik	MmuEX0000257	chr15	88929206	88929693	88929878	88930017	+
1500001M20Rik	MmuEX0000258	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
1500001M20Rik	MmuEX0000259	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
1500001M20Rik	MmuEX0000260	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
1500002O20Rik	MmuEX0000262	chr7	25202025	25205033	25205139	25205595	+
1500002O20Rik	MmuEX0000263	chr7	25191151	25192540	25192652	25199958	+
1500002O20Rik	MmuEX0000264	chr7	25200069	25201518	25201613	25205033	+
1500002O20Rik	MmuEX0000265	chr7	25201613	25201940	25202025	25205033	+
1500003O03Rik	MmuEX0000266	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
1500003O03Rik	MmuEX0000267	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
1500003O03Rik	MmuEX0000268	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
1500009L16Rik	MmuEX0000269	chr10	83185779	83200654	83200678	83220190	+
1500010J02Rik	MmuEX0000272	chr11	68829616	68829636	68829667	68834012	+
1500010J02Rik	MmuEX0000274	chr11	68839854	68839953	68840081	68840756	+
1500010J02Rik	MmuEX0000275	chr11	68847043	68847167	68847361	68847461	+
1500010J02Rik	MmuEX0000276	chr11	68847538	68848137	68848281	68848386	+
1500010J02Rik	MmuEX0000277	chr11	68836422	68837664	68837808	68839576	+
1500010J02Rik	MmuEX0000278	chr11	68837808	68839576	68839854	68839953	+
1500010J02Rik	MmuEX0000279	chr11	68836116	68836211	68836422	68837664	+
1500010J02Rik	MmuEX0000280	chr11	68844508	68844602	68844691	68844913	+
1500010J02Rik	MmuEX0000281	chr11	68846773	68846869	68847043	68847461	+
1500010J02Rik	MmuEX0000282	chr11	68841566	68842544	68842613	68843188	+
1500010J02Rik	MmuEX0000283	chr11	68841566	68843188	68843314	68843986	+
1500010J02Rik	MmuEX0000284	chr11	68843314	68843986	68844100	68844193	+
1500011H22Rik	MmuEX0000285	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-

1500012F01Rik	MmuEX0000286	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
1500031L02Rik	MmuEX0000288	chr16	32103130	32103970	32104133	32106992	+
1600002H07Rik	MmuEX0000300	chr17	24352950	24353195	24353385	24354626	-
1600002H07Rik	MmuEX0000301	chr17	24356151	24356676	24357078	24357197	-
1600002H07Rik	MmuEX0000302	chr17	24354945	24355115	24355208	24356098	-
1600002H07Rik	MmuEX0000303	chr17	24357255	24357467	24357560	24357636	-
1600020E01Rik	MmuEX0000308	chr6	86482301	86500911	86501108	86513426	+
1600020E01Rik	MmuEX0000309	chr6	86482301	86507329	86507436	86513426	+
1600020E01Rik	MmuEX0000310	chr6	86482301	86513426	86513531	86514270	+
1600027N09Rik	MmuEX0000311	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
1600027N09Rik	MmuEX0000312	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
1600027N09Rik	MmuEX0000313	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
1700009P17Rik	MmuEX0000375	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
1700009P17Rik	MmuEX0000376	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
1700012B15Rik	MmuEX0000399	chr12	3235929	3237285	3237412	3237591	+
1700012B15Rik	MmuEX0000400	chr12	3237412	3237591	3237660	3238029	+
1700012B15Rik	MmuEX0000401	chr12	3237660	3238029	3238112	3241522	+
1700012B15Rik	MmuEX0000402	chr12	3238112	3238834	3239009	3241522	+
1700012B15Rik	MmuEX0000403	chr12	3239009	3241522	3241578	3247352	+
1700012B15Rik	MmuEX0000404	chr12	3241578	3247352	3247438	3249739	+
1700013G23Rik	MmuEX0000408	chr11	59760598	59761326	59761423	59761504	-
1700019E19Rik	MmuEX0000441	chr12	87426136	87426693	87426789	87452561	+
1700019E19Rik	MmuEX0000442	chr12	87426136	87452561	87452625	87479743	+
1700019E19Rik	MmuEX0000443	chr12	87452625	87479743	87479775	87481002	+
1700020O03Rik	MmuEX0000448	chr12	87585656	87597431	87597481	87597818	+
1700020O03Rik	MmuEX0000449	chr12	87585656	87597818	87597882	87629750	+
1700020O03Rik	MmuEX0000450	chr12	87585656	87601527	87601703	87629750	+
1700020O03Rik	MmuEX0000451	chr12	87585656	87602566	87602645	87629750	+
1700020O03Rik	MmuEX0000452	chr12	87585656	87606132	87606199	87629750	+
1700020O03Rik	MmuEX0000453	chr12	87585656	87608094	87608133	87629750	+
1700020O03Rik	MmuEX0000454	chr12	87585656	87609926	87610011	87629750	+
1700020O03Rik	MmuEX0000455	chr12	87610011	87622399	87622493	87629750	+
1700021C14Rik	MmuEX0000456	chr3	88091139	88099313	88099372	88100746	-
1700021C14Rik	MmuEX0000457	chr3	88084074	88091020	88091139	88099313	-
1700021F05Rik	MmuEX0000458	chr10	43245214	43245882	43246460	43250404	-
1700021K19Rik	MmuEX0000459	chr16	32857131	32866884	32866924	32868179	-
1700021K19Rik	MmuEX0000460	chr16	32849847	32856978	32857131	32868179	-
1700021K19Rik	MmuEX0000461	chr16	32838439	32838994	32839346	32841623	-
1700021K19Rik	MmuEX0000462	chr16	32829408	32833730	32833804	32836000	-
1700021K19Rik	MmuEX0000463	chr16	32828090	32828755	32828887	32829351	-
1700021K19Rik	MmuEX0000464	chr16	32824232	32824465	32824558	32825650	-
1700021K19Rik	MmuEX0000465	chr16	32843617	32844633	32844792	32847303	-
1700021K19Rik	MmuEX0000466	chr16	32838439	32841623	32841667	32843084	-
1700021K19Rik	MmuEX0000467	chr16	32836706	32838324	32838439	32843084	-
1700025G04Rik	MmuEX0000475	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
1700025G04Rik	MmuEX0000476	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
1700025K23Rik	MmuEX0000477	chr10	38838840	38841983	38842138	38852053	-

1700025K23Rik	MmuEX0000478	chr10	38840202	38841293	38841392	38841983	-
1700025K23Rik	MmuEX0000479	chr10	38838840	38840064	38840202	38841983	-
1700029F09Rik	MmuEX0000503	chr1	44144893	44145321	44145372	44148206	-
1700029F09Rik	MmuEX0000504	chr1	44156846	44158745	44158802	44159173	-
1700029F09Rik	MmuEX0000505	chr1	44156846	44158312	44158367	44159173	-
1700029F09Rik	MmuEX0000506	chr1	44148436	44156693	44156766	44159173	-
1700029F09Rik	MmuEX0000507	chr1	44148436	44150109	44150162	44156693	-
1700029F09Rik	MmuEX0000508	chr1	44145372	44148206	44148436	44156693	-
1700029F09Rik	MmuEX0000509	chr1	44145372	44148028	44148057	44148206	-
1700029G01Rik	MmuEX0000513	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1700029G01Rik	MmuEX0000516	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1700029G01Rik	MmuEX0000517	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1700029G01Rik	MmuEX0000520	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
1700029J07Rik	MmuEX0000524	chr8	47041920	47047608	47047787	47053210	-
1700029J07Rik	MmuEX0000525	chr8	47039166	47041751	47041920	47047608	-
1700030K09Rik	MmuEX0000531	chr8	74967888	74968649	74969369	74973349	+
1700030K09Rik	MmuEX0000532	chr8	74973640	74975258	74975331	74979013	+
1700030K09Rik	MmuEX0000533	chr8	74981967	74982502	74982668	74983928	+
1700034H14Rik	MmuEX0000542	chr18	85117331	85117415	85117488	85118586	-
1700037H04Rik	MmuEX0000546	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
1700037H04Rik	MmuEX0000547	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
1700037H04Rik	MmuEX0000548	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
1700037H04Rik	MmuEX0000549	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
1700040I03Rik	MmuEX0000551	chr6	85398585	85401107	85401371	85401751	-
1700040I03Rik	MmuEX0000552	chr6	85398039	85398485	85398585	85401107	-
1700040I03Rik	MmuEX0000553	chr6	85397291	85397515	85397682	85397930	-
1700040L02Rik	MmuEX0000554	chr10	67894071	67899028	67899168	67899591	-
1700049G17Rik	MmuEX0000556	chr7	28705814	28711303	28711429	28712420	-
1700052N19Rik	MmuEX0000557	chr10	5895894	5898118	5898232	5906805	-
1700052N19Rik	MmuEX0000558	chr10	5895894	5906805	5907049	5911608	-
1700055N04Rik	MmuEX0000561	chr19	3966019	3966372	3966538	3968442	+
1700081L11Rik	MmuEX0000585	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000586	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000587	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000589	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000590	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000591	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000592	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700081L11Rik	MmuEX0000593	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
1700088E04Rik	MmuEX0000600	chr15	78965652	78965783	78965883	78966067	-
1700088E04Rik	MmuEX0000601	chr15	78966195	78971311	78971422	78971585	-
1700088E04Rik	MmuEX0000602	chr15	78966195	78969668	78969730	78971199	-
1700088E04Rik	MmuEX0000603	chr15	78966919	78968056	78968113	78969668	-
1700088E04Rik	MmuEX0000604	chr15	78966195	78966737	78966919	78969668	-
1700094D03Rik	MmuEX0000605	chr3	89867171	89867610	89867739	89868347	+
1700094D03Rik	MmuEX0000606	chr3	89867171	89868347	89868476	89869432	+
1700106N22Rik	MmuEX0000609	chr17	85830885	85838867	85838930	85851536	+

1700106N22Rik	MmuEX0000610	chr17	85838930	85851536	85851667	85857402	+
1700106N22Rik	MmuEX0000611	chr17	85496002	85513123	85513187	85790913	+
1700106N22Rik	MmuEX0000616	chr17	85801832	85830811	85830885	85838867	+
1700112E06Rik	MmuEX0000620	chr14	23403767	23415647	23415764	23647911	+
1700123M08Rik	MmuEX0000631	chr4	11893830	11903591	11903734	11921012	+
1700123M08Rik	MmuEX0000632	chr4	11893830	11904604	11904717	11921012	+
1700123M08Rik	MmuEX0000633	chr4	11893830	11907289	11907555	11921012	+
1810006K21Rik	MmuEX0000637	chr19	10278754	10280505	10280614	10280914	+
1810008A18Rik	MmuEX0000638	chr10	76952811	76960108	76960258	76966591	-
1810009A15Rik	MmuEX0000639	chr19	8963808	8964127	8964217	8964493	+
1810012P15Rik	MmuEX0000645	chr11	78640138	78649520	78649660	78651592	+
1810013D10Rik	MmuEX0000646	chr5	53658826	53659262	53659309	53668382	+
1810013L24Rik	MmuEX0000647	chr16	8831494	8843061	8843336	8855887	+
1810013L24Rik	MmuEX0000648	chr16	8843336	8845870	8845914	8855887	+
1810014B01Rik	MmuEX0000649	chr10	86148741	86151279	86151883	86154963	+
1810014F10Rik	MmuEX0000650	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
1810020D17Rik	MmuEX0000654	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810020D17Rik	MmuEX0000655	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810020D17Rik	MmuEX0000656	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810020D17Rik	MmuEX0000657	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810020D17Rik	MmuEX0000658	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810020D17Rik	MmuEX0000659	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810020D17Rik	MmuEX0000660	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
1810030N24Rik	MmuEX0000666	chr4	34718663	34719127	34719302	34725349	-
1810030N24Rik	MmuEX0000667	chr4	34716396	34718507	34718663	34725349	-
1810030O07Rik	MmuEX0000668	chrX	12241775	12246653	12246772	12250152	-
1810030O07Rik	MmuEX0000669	chrX	12241775	12243359	12243520	12246653	-
1810030O07Rik	MmuEX0000670	chrX	12235150	12239776	12239955	12241626	-
1810031K17Rik	MmuEX0000671	chr1	75138077	75138274	75138343	75138632	-
1810031K17Rik	MmuEX0000672	chr1	75138077	75138632	75139134	75139217	-
1810032O08Rik	MmuEX0000673	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
1810032O08Rik	MmuEX0000674	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
1810035L17Rik	MmuEX0000675	chr12	88784976	88788514	88788572	88790243	+
1810043G02Rik	MmuEX0000676	chr10	77445786	77446261	77446336	77447164	+
1810043G02Rik	MmuEX0000677	chr10	77446336	77446687	77446752	77447164	+
1810043G02Rik	MmuEX0000678	chr10	77441526	77442498	77442516	77443246	+
1810043H04Rik	MmuEX0000679	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
1810046J19Rik	MmuEX0000680	chr11	98299627	98299961	98300058	98300172	-
1810048J11Rik	MmuEX0000682	chr12	73637526	73637749	73637863	73642362	+
1810048J11Rik	MmuEX0000683	chr12	73637526	73642362	73643104	73656424	+
1810048J11Rik	MmuEX0000685	chr12	73657345	73657570	73657670	73657788	+
1810048J11Rik	MmuEX0000686	chr12	73668247	73670705	73670808	73674477	+
1810055G02Rik	MmuEX0000687	chr19	3708436	3714047	3714115	3714404	+
1810055G02Rik	MmuEX0000688	chr19	3708508	3714407	3714625	3715638	+
1810058I24Rik	MmuEX0000689	chr6	35202782	35202956	35203045	35210410	+
1810063B05Rik	MmuEX0000694	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
1810074P20Rik	MmuEX0000695	chr4	25179164	25179446	25179526	25181706	-

1810074P20Rik	MmuEX0000696	chr4	25196321	25197707	25197765	25202953	-
1810074P20Rik	MmuEX0000697	chr4	25203083	25205136	25205250	25205751	-
2010000I03Rik	MmuEX0000698	chrX	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
2010001A14Rik	MmuEX0000699	chr11	57609899	57610730	57610787	57614727	-
2010001A14Rik	MmuEX0000700	chr11	57609296	57609814	57609899	57614727	-
2010001A14Rik	MmuEX0000701	chr11	57609296	57609528	57609675	57609814	-
2010002N04Rik	MmuEX0000704	chr18	60635239	60658968	60659054	60661047	-
2010007H12Rik	MmuEX0000706	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
2010011I20Rik	MmuEX0000707	chr2	1.72E+08	1.72E+08	1.72E+08	1.72E+08	+
2010012O05Rik	MmuEX0000708	chr19	46764575	46768691	46768863	46774046	+
2010012O05Rik	MmuEX0000709	chr19	46764575	46774046	46774108	46774228	+
2010106G01Rik	MmuEX0000717	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2010106G01Rik	MmuEX0000718	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2010106G01Rik	MmuEX0000719	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2010106G01Rik	MmuEX0000720	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2010106G01Rik	MmuEX0000721	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2010106G01Rik	MmuEX0000722	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2010107H07Rik	MmuEX0000728	chr14	31902212	31937708	31937795	31941819	-
2010111I01Rik	MmuEX0000735	chr13	63400164	63402430	63402614	63403087	+
2010111I01Rik	MmuEX0000738	chr13	63383566	63388123	63388135	63398166	+
2010111I01Rik	MmuEX0000744	chr13	63311475	63341396	63341452	63383450	+
2010111I01Rik	MmuEX0000745	chr13	63341464	63341566	63341640	63383450	+
2010111I01Rik	MmuEX0000746	chr13	63341640	63374534	63374657	63383450	+
2010111I01Rik	MmuEX0000747	chr13	63383566	63398166	63398252	63400020	+
2010305A19Rik	MmuEX0000753	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2010305A19Rik	MmuEX0000754	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2010321M09Rik	MmuEX0000757	chr9	64809064	64809572	64809805	64812133	+
2210010C17Rik	MmuEX0000765	chr7	20527368	20530053	20530262	20535794	-
2210011C24Rik	MmuEX0000766	chr8	86534391	86534610	86534671	86535040	-
2210012G02Rik	MmuEX0000767	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
2210013O21Rik	MmuEX0000768	chrX	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
2210015D19Rik	MmuEX0000769	chr11	5662243	5665512	5665574	5680209	+
2210015D19Rik	MmuEX0000770	chr11	5665574	5668892	5669075	5680209	+
2210015D19Rik	MmuEX0000771	chr11	5665574	5669170	5669246	5680209	+
2210016L21Rik	MmuEX0000772	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
2210018M11Rik	MmuEX0000773	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000774	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000775	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000776	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000777	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000778	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000779	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000780	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000781	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000782	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000784	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210018M11Rik	MmuEX0000785	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-

2210018M11Rik	MmuEX0000786	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
2210020M01Rik	MmuEX0000787	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2210021J22Rik	MmuEX0000788	chr15	85638797	85639642	85639754	85641332	-
2210021J22Rik	MmuEX0000789	chr15	85637968	85638686	85638797	85639642	-
2210021J22Rik	MmuEX0000790	chr15	85639754	85641332	85641478	85641981	-
2210404J11Rik	MmuEX0000791	chr17	15185651	15186155	15186277	15186428	+
2210404J11Rik	MmuEX0000792	chr17	15190351	15193715	15193798	15195724	+
2210404J11Rik	MmuEX0000793	chr17	15182100	15182600	15182745	15184529	+
2210404J11Rik	MmuEX0000794	chr17	15188603	15190178	15190351	15193715	+
2210404J11Rik	MmuEX0000795	chr17	15193798	15195724	15195800	15196308	+
2210404J11Rik	MmuEX0000796	chr17	15196433	15196730	15196948	15198033	+
2210408F21Rik	MmuEX0000797	chr6	31170519	31194105	31194358	31227848	+
2210408F21Rik	MmuEX0000798	chr6	31170519	31227848	31227955	31235003	+
2210408F21Rik	MmuEX0000799	chr6	31227955	31235003	31235120	31285991	+
2210408F21Rik	MmuEX0000800	chr6	31235120	31278332	31278360	31285991	+
2210408I21Rik	MmuEX0000805	chr13	77455833	77462626	77463031	77467128	+
2210408I21Rik	MmuEX0000809	chr13	77274891	77292468	77292513	77314114	+
2210411K11Rik	MmuEX0000811	chr7	4736881	4737077	4737140	4740607	-
2310001A20Rik	MmuEX0000815	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
2310001A20Rik	MmuEX0000816	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
2310001A20Rik	MmuEX0000817	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
2310001A20Rik	MmuEX0000818	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
2310001H17Rik	MmuEX0000819	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
2310001H17Rik	MmuEX0000820	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
2310003H01Rik	MmuEX0000824	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2310003H01Rik	MmuEX0000825	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2310003H01Rik	MmuEX0000826	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2310003H01Rik	MmuEX0000827	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2310003L22Rik	MmuEX0000828	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000829	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000830	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000831	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000832	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000833	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000834	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000835	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310003L22Rik	MmuEX0000836	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
2310004I24Rik	MmuEX0000837	chr11	66855609	66865183	66865280	66866037	-
2310004I24Rik	MmuEX0000838	chr11	66855609	66856421	66856538	66865183	-
2310004I24Rik	MmuEX0000839	chr11	66853837	66854983	66855609	66865183	-
2310004I24Rik	MmuEX0000840	chr11	66851947	66853721	66853837	66854895	-
2310004N24Rik	MmuEX0000841	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310004N24Rik	MmuEX0000842	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310004N24Rik	MmuEX0000843	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310007L24Rik	MmuEX0000856	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
2310008H04Rik	MmuEX0000860	chr16	16037802	16048097	16048197	16053359	-
2310008H04Rik	MmuEX0000861	chr16	15889878	15897317	15897410	15903002	-

2310008H04Rik	MmuEX0000862	chr16	15889878	15895619	15895733	15903002	-
2310008H04Rik	MmuEX0000863	chr16	15889878	15895236	15895289	15903002	-
2310008H04Rik	MmuEX0000864	chr16	15936786	15966695	15966945	15968621	-
2310008H04Rik	MmuEX0000865	chr16	15915480	15936646	15936786	15966695	-
2310008H04Rik	MmuEX0000866	chr16	15904354	15912762	15912902	15915393	-
2310008H04Rik	MmuEX0000867	chr16	15904354	15912612	15912671	15912762	-
2310008H09Rik	MmuEX0000870	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
2310008H09Rik	MmuEX0000871	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
2310008H09Rik	MmuEX0000872	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
2310009B15Rik	MmuEX0000873	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
2310009B15Rik	MmuEX0000874	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
2310010J17Rik	MmuEX0000875	chr7	97273542	97276107	97276166	97278382	-
2310010J17Rik	MmuEX0000876	chr7	97273542	97275438	97275554	97278382	-
2310015A10Rik	MmuEX0000877	chr12	81226113	81232000	81232098	81232801	-
2310015A10Rik	MmuEX0000878	chr12	81226113	81228053	81228183	81232801	-
2310021P13Rik	MmuEX0000880	chr14	21533790	21533893	21534089	21535174	+
2310021P13Rik	MmuEX0000881	chr14	21535623	21535721	21535904	21536132	+
2310021P13Rik	MmuEX0000882	chr14	21538140	21538219	21538447	21538602	+
2310021P13Rik	MmuEX0000883	chr14	21538447	21538602	21538894	21539035	+
2310021P13Rik	MmuEX0000884	chr14	21539258	21540393	21540881	21541092	+
2310021P13Rik	MmuEX0000885	chr14	21537214	21537476	21537482	21537649	+
2310021P13Rik	MmuEX0000886	chr14	21530012	21530250	21530344	21530680	+
2310021P13Rik	MmuEX0000887	chr14	21530852	21531013	21531120	21531259	+
2310021P13Rik	MmuEX0000888	chr14	21541541	21541682	21541801	21542050	+
2310022A10Rik	MmuEX0000889	chr7	28345622	28346058	28346190	28349505	+
2310022A10Rik	MmuEX0000890	chr7	28338372	28341433	28341553	28345571	+
2310028H24Rik	MmuEX0000891	chr4	41469002	41470948	41471021	41471348	-
2310028O11Rik	MmuEX0000892	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
2310030G06Rik	MmuEX0000893	chr9	50549465	50550366	50550403	50554547	-
2310030G06Rik	MmuEX0000894	chr9	50548854	50549401	50549465	50554547	-
2310030N02Rik	MmuEX0000895	chr4	10989299	10990929	10991139	10993675	-
2310030N02Rik	MmuEX0000896	chr4	10993854	10995203	10995321	10997347	-
2310030N02Rik	MmuEX0000897	chr4	10978372	10980579	10980635	10986159	-
2310030N02Rik	MmuEX0000898	chr4	10997469	11000334	11000390	11003127	-
2310030N02Rik	MmuEX0000899	chr4	10989299	10993798	10993854	10997347	-
2310030N02Rik	MmuEX0000900	chr4	10986260	10989197	10989299	10997347	-
2310030N02Rik	MmuEX0000901	chr4	10986260	10988008	10988141	10997347	-
2310033P09Rik	MmuEX0000902	chr11	59022175	59022322	59022367	59022471	+
2310033P09Rik	MmuEX0000903	chr11	59022367	59022471	59022553	59022630	+
2310033P09Rik	MmuEX0000904	chr11	59022553	59022630	59022702	59022810	+
2310035C23Rik	MmuEX0000905	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000906	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000908	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000909	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000910	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000911	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000912	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+

2310035C23Rik	MmuEX0000913	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000914	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000915	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000917	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035C23Rik	MmuEX0000918	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
2310035K24Rik	MmuEX0000919	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
2310037I24Rik	MmuEX0000920	chr15	98352193	98353056	98353143	98354890	-
2310037I24Rik	MmuEX0000924	chr15	98350856	98359343	98359456	98359717	-
2310037I24Rik	MmuEX0000925	chr15	98350856	98357006	98357102	98361754	-
2310037I24Rik	MmuEX0000926	chr15	98350856	98354992	98355143	98357006	-
2310037I24Rik	MmuEX0000927	chr15	98350856	98352067	98352193	98354890	-
2310044G17Rik	MmuEX0000931	chr12	88288545	88288919	88289517	88293694	+
2310044G17Rik	MmuEX0000932	chr12	88293954	88300678	88300778	88301222	+
2310044H10Rik	MmuEX0000933	chr7	51748669	51750178	51750250	51751626	-
2310044H10Rik	MmuEX0000934	chr7	51748028	51748560	51748669	51750178	-
2310045N01Rik	MmuEX0000935	chr8	72663671	72665763	72665875	72666373	+
2310045N01Rik	MmuEX0000936	chr8	72666437	72668397	72668496	72668923	+
2310045N01Rik	MmuEX0000937	chr8	72669033	72669710	72669789	72688128	+
2310046A06Rik	MmuEX0000938	chr9	77087591	77091379	77091534	77099554	-
2310046A06Rik	MmuEX0000939	chr9	77038544	77087199	77087591	77099554	-
2310046A06Rik	MmuEX0000940	chr9	77038544	77064784	77064855	77077292	-
2310046A06Rik	MmuEX0000941	chr9	77029203	77038479	77038544	77064784	-
2310046A06Rik	MmuEX0000942	chr9	77038190	77038314	77038397	77038479	-
2310046A06Rik	MmuEX0000943	chr9	77029203	77038131	77038190	77038479	-
2310046A06Rik	MmuEX0000944	chr9	77021810	77029159	77029203	77038131	-
2310046A06Rik	MmuEX0000945	chr9	76950200	77012572	77012700	77021766	-
2310046A06Rik	MmuEX0000946	chr9	76950200	76960781	76960855	77012572	-
2310046K01Rik	MmuEX0000947	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
2310046O06Rik	MmuEX0000948	chr9	57385641	57385831	57385918	57386618	+
2310046O06Rik	MmuEX0000949	chr9	57386695	57387053	57387101	57388462	+
2310057M21Rik	MmuEX0000956	chr7	1.38E+08	1.39E+08	1.39E+08	1.39E+08	-
2310057M21Rik	MmuEX0000957	chr7	1.38E+08	1.38E+08	1.38E+08	1.39E+08	-
2310057M21Rik	MmuEX0000958	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
2310057M21Rik	MmuEX0000959	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
2310061C15Rik	MmuEX0000960	chr8	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
2310061C15Rik	MmuEX0000961	chr8	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
2310061I04Rik	MmuEX0000962	chr17	36033017	36033205	36033390	36034136	-
2310067B10Rik	MmuEX0000963	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310067B10Rik	MmuEX0000964	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310067B10Rik	MmuEX0000965	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310067B10Rik	MmuEX0000967	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310067B10Rik	MmuEX0000968	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310067B10Rik	MmuEX0000969	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310067B10Rik	MmuEX0000970	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
2310079F23Rik	MmuEX0000971	chr5	35907104	35908010	35908193	35909071	-
2310079F23Rik	MmuEX0000972	chr5	35913761	35915352	35915540	35916729	-
2310079F23Rik	MmuEX0000973	chr5	35911481	35912520	35912627	35913693	-

2310079F23Rik	MmuEX0000974	chr5	35909177	35911410	35911481	35912520	-
2310079F23Rik	MmuEX0000975	chr5	35908193	35909071	35909177	35911410	-
2400001E08Rik	MmuEX0000977	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
2400003C14Rik	MmuEX0000978	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2400003C14Rik	MmuEX0000979	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2400003C14Rik	MmuEX0000980	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2400003C14Rik	MmuEX0000981	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2400003C14Rik	MmuEX0000982	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2400003C14Rik	MmuEX0000983	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2400003C14Rik	MmuEX0000984	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
2410001C21Rik	MmuEX0000985	chr2	1.72E+08	1.72E+08	1.72E+08	1.72E+08	+
2410002F23Rik	MmuEX0000986	chr7	51502193	51502621	51502786	51503622	+
2410002F23Rik	MmuEX0000987	chr7	51502193	51503280	51503429	51503622	+
2410002I01Rik	MmuEX0000988	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2410002I01Rik	MmuEX0000989	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2410002I01Rik	MmuEX0000990	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
2410002O22Rik	MmuEX0000991	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
2410002O22Rik	MmuEX0000992	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
2410002O22Rik	MmuEX0000993	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
2410002O22Rik	MmuEX0000994	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
2410003K15Rik	MmuEX0000995	chr6	49024102	49025085	49025263	49032844	+
2410004B18Rik	MmuEX0000997	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
2410004B18Rik	MmuEX0000998	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
2410004N09Rik	MmuEX0000999	chr18	33954778	33955037	33955099	33955507	+
2410006H16Rik	MmuEX0001002	chr11	62416784	62417099	62417148	62417905	+
2410015M20Rik	MmuEX0001003	chr17	56748446	56748580	56748755	56749063	-
2410015M20Rik	MmuEX0001004	chr17	56747264	56748061	56748115	56748269	-
2410022L05Rik	MmuEX0001005	chr8	13885881	13886705	13886908	13887760	-
2410022L05Rik	MmuEX0001006	chr8	13885201	13885666	13885881	13887760	-
2410042D21Rik	MmuEX0001007	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
2410042D21Rik	MmuEX0001008	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
2410089E03Rik	MmuEX0001024	chr15	8210685	8212327	8212385	8212928	+
2410089E03Rik	MmuEX0001025	chr15	8214441	8218401	8218404	8219619	+
2410089E03Rik	MmuEX0001028	chr15	8138877	8144324	8144488	8149181	+
2410089E03Rik	MmuEX0001030	chr15	8179330	8180215	8180369	8181112	+
2410089E03Rik	MmuEX0001031	chr15	8182100	8183764	8183868	8192270	+
2410089E03Rik	MmuEX0001032	chr15	8183868	8192270	8192341	8193803	+
2410091C18Rik	MmuEX0001033	chr17	79342651	79343174	79343284	79344281	+
2410091C18Rik	MmuEX0001034	chr17	79336541	79336831	79336994	79337881	+
2410091C18Rik	MmuEX0001035	chr17	79343284	79344281	79344424	79345636	+
2410091C18Rik	MmuEX0001036	chr17	79339045	79341409	79341622	79342593	+
2410091C18Rik	MmuEX0001037	chr17	79339045	79342593	79342651	79343174	+
2410127L17Rik	MmuEX0001039	chr19	18753757	18764720	18764860	18765907	+
2410127L17Rik	MmuEX0001040	chr19	18753757	18765907	18766085	18778510	+
2410127L17Rik	MmuEX0001041	chr19	18753757	18768139	18768252	18778510	+
2410127L17Rik	MmuEX0001042	chr19	18768252	18777851	18777954	18778510	+
2410131K14Rik	MmuEX0001043	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+

2500003M10Rik	MmuEX0001047	chr3	90304029	90306038	90306175	90307018	-
2500003M10Rik	MmuEX0001048	chr3	90307204	90309317	90309400	90310030	-
2510003E04Rik	MmuEX0001049	chr10	62022631	62025984	62026099	62028785	-
2510003E04Rik	MmuEX0001050	chr10	62032390	62033147	62033226	62037798	-
2510006D16Rik	MmuEX0001051	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
2510006D16Rik	MmuEX0001052	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
2510006D16Rik	MmuEX0001053	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
2510009E07Rik	MmuEX0001054	chr16	21653831	21690255	21690314	21694289	-
2510012J08Rik	MmuEX0001055	chr10	80784191	80784463	80784579	80785183	+
2510012J08Rik	MmuEX0001056	chr10	80786526	80786655	80786769	80787048	+
2510012J08Rik	MmuEX0001057	chr10	80786769	80787048	80787240	80787614	+
2510039O18Rik	MmuEX0001058	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
2610001J05Rik	MmuEX0001060	chr6	13820740	13821056	13821146	13821439	-
2610002I17Rik	MmuEX0001062	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002I17Rik	MmuEX0001063	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002I17Rik	MmuEX0001064	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002I17Rik	MmuEX0001065	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002I17Rik	MmuEX0001066	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002I17Rik	MmuEX0001067	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002I17Rik	MmuEX0001068	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
2610002M06Rik	MmuEX0001069	chrX	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
2610008E11Rik	MmuEX0001070	chr10	78530796	78531379	78531473	78551032	-
2610008E11Rik	MmuEX0001071	chr10	78551124	78555157	78555249	78557176	-
2610015P09Rik	MmuEX0001072	chr16	43939276	43943617	43944077	43944752	+
2610015P09Rik	MmuEX0001073	chr16	43944077	43944752	43944843	43946782	+
2610015P09Rik	MmuEX0001074	chr16	43957074	43959329	43959481	43960131	+
2610015P09Rik	MmuEX0001075	chr16	43959481	43960131	43960276	43963381	+
2610015P09Rik	MmuEX0001076	chr16	43907079	43908525	43908748	43915563	+
2610015P09Rik	MmuEX0001077	chr16	43915716	43931307	43931497	43939027	+
2610015P09Rik	MmuEX0001079	chr16	43890151	43892266	43892304	43898203	+
2610015P09Rik	MmuEX0001080	chr16	43890151	43898203	43898344	43905459	+
2610020H08Rik	MmuEX0001092	chr7	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
2610024G14Rik	MmuEX0001105	chr5	77726228	77728683	77728799	77733211	-
2610024G14Rik	MmuEX0001106	chr5	77723581	77726111	77726228	77728683	-
2610024G14Rik	MmuEX0001107	chr5	77733342	77735299	77735501	77736578	-
2610024G14Rik	MmuEX0001108	chr5	77728799	77733211	77733342	77735299	-
2610027L16Rik	MmuEX0001111	chr14	56368970	56369890	56370082	56370895	+
2610039C10Rik	MmuEX0001121	chr16	90720223	90720899	90720995	90721881	-
2610101N10Rik	MmuEX0001123	chr9	95393650	95394122	95394236	95396254	-
2610101N10Rik	MmuEX0001124	chr9	95386084	95389165	95389208	95390119	-
2610101N10Rik	MmuEX0001125	chr9	95396352	95401107	95401238	95402959	-
2610203C22Rik	MmuEX0001126	chr1	9609720	9611036	9611163	9621142	-
2610203C22Rik	MmuEX0001128	chr1	9553952	9609631	9609720	9621142	-
2610301B20Rik	MmuEX0001130	chr4	10806757	10808948	10809015	10809554	+
2610301B20Rik	MmuEX0001131	chr4	10809015	10809554	10809619	10820410	+
2610301G19Rik	MmuEX0001133	chr14	70539940	70540272	70540354	70540675	-
2610301G19Rik	MmuEX0001134	chr14	70551778	70552180	70552271	70552471	-

2610301G19Rik	MmuEX0001135	chr14	70551482	70551687	70551778	70552180	-
2610301G19Rik	MmuEX0001136	chr14	70551210	70551368	70551482	70551687	-
2610301G19Rik	MmuEX0001137	chr14	70543319	70543395	70543617	70545650	-
2610301G19Rik	MmuEX0001138	chr14	70542338	70542732	70542895	70543206	-
2610507B11Rik	MmuEX0001152	chr11	78078741	78079075	78079264	78079853	+
2610507B11Rik	MmuEX0001153	chr11	78080744	78080852	78080906	78081601	+
2610507B11Rik	MmuEX0001154	chr11	78085885	78086280	78086471	78086599	+
2610507B11Rik	MmuEX0001155	chr11	78086801	78086943	78087061	78087184	+
2610507B11Rik	MmuEX0001156	chr11	78087061	78087184	78087404	78087967	+
2610507B11Rik	MmuEX0001157	chr11	78087404	78087967	78088157	78088290	+
2610507B11Rik	MmuEX0001158	chr11	78097784	78098241	78098362	78098940	+
2610507B11Rik	MmuEX0001159	chr11	78099298	78099383	78099545	78100015	+
2610507B11Rik	MmuEX0001160	chr11	78100884	78101186	78101296	78101434	+
2610507B11Rik	MmuEX0001161	chr11	78101797	78102443	78102544	78102788	+
2610507B11Rik	MmuEX0001162	chr11	78078084	78078681	78078741	78079075	+
2610507B11Rik	MmuEX0001163	chr11	78093417	78096561	78096660	78097602	+
2610507B11Rik	MmuEX0001164	chr11	78093417	78097602	78097784	78098241	+
2610528E23Rik	MmuEX0001166	chr16	57318093	57323577	57323656	57606779	-
2610528E23Rik	MmuEX0001167	chr16	57316404	57318019	57318093	57323577	-
2610528E23Rik	MmuEX0001168	chr16	57312830	57316275	57316404	57318019	-
2610528E23Rik	MmuEX0001169	chr16	57312830	57314749	57314849	57316275	-
2610528E23Rik	MmuEX0001170	chr16	57303881	57306939	57307026	57307482	-
2610528E23Rik	MmuEX0001171	chr16	57302395	57303793	57303881	57306939	-
2700007P21Rik	MmuEX0001172	chr2	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
2700029M09Rik	MmuEX0001173	chr8	63369333	63372498	63372657	63382797	+
2700029M09Rik	MmuEX0001174	chr8	63369333	63374258	63374447	63382797	+
2700029M09Rik	MmuEX0001175	chr8	63369333	63375535	63375633	63382797	+
2700029M09Rik	MmuEX0001176	chr8	63369333	63378881	63379031	63382797	+
2700029M09Rik	MmuEX0001177	chr8	63369333	63382797	63382884	63384345	+
2700049A03Rik	MmuEX0001178	chr12	72261395	72262111	72262183	72263563	+
2700049A03Rik	MmuEX0001179	chr12	72263787	72265371	72265545	72268053	+
2700049A03Rik	MmuEX0001181	chr12	72268247	72271506	72271693	72274116	+
2700049A03Rik	MmuEX0001183	chr12	72243106	72249231	72249405	72251230	+
2700049A03Rik	MmuEX0001184	chr12	72255910	72258034	72258157	72259815	+
2700049A03Rik	MmuEX0001185	chr12	72241921	72243037	72243106	72249231	+
2700049A03Rik	MmuEX0001186	chr12	72251451	72252372	72252487	72253637	+
2700049A03Rik	MmuEX0001187	chr12	72253784	72255749	72255910	72258034	+
2700049A03Rik	MmuEX0001188	chr12	72279009	72280027	72280145	72285410	+
2700049A03Rik	MmuEX0001189	chr12	72280145	72285410	72285609	72288368	+
2700049A03Rik	MmuEX0001190	chr12	72295453	72317029	72317183	72343931	+
2700049A03Rik	MmuEX0001191	chr12	72295453	72320178	72320286	72343931	+
2700050L05Rik	MmuEX0001192	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
2700050L05Rik	MmuEX0001193	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
2700062C07Rik	MmuEX0001195	chr18	24629481	24629563	24629585	24631451	+
2700078E11Rik	MmuEX0001197	chr19	60639167	60639522	60639726	60640071	-
2700078E11Rik	MmuEX0001198	chr19	60621444	60639065	60639167	60640071	-
2700078E11Rik	MmuEX0001199	chr19	60610177	60613317	60613406	60618913	-

2700078K21Rik	MmuEX0001200	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
2700078K21Rik	MmuEX0001201	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
2700078K21Rik	MmuEX0001202	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
2700078K21Rik	MmuEX0001203	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
2700081O15Rik	MmuEX0001206	chr19	7496134	7496404	7496952	7497133	+
2700097O09Rik	MmuEX0001207	chr12	56162180	56163975	56164096	56180968	-
2700097O09Rik	MmuEX0001208	chr12	56146930	56149874	56149964	56154288	-
2700097O09Rik	MmuEX0001209	chr12	56160565	56162042	56162180	56163975	-
2700097O09Rik	MmuEX0001210	chr12	56158339	56160444	56160565	56162042	-
2700097O09Rik	MmuEX0001211	chr12	56154394	56158229	56158339	56160444	-
2700097O09Rik	MmuEX0001212	chr12	56149964	56154288	56154394	56158229	-
2810001G20Rik	MmuEX0001213	chr11	63893279	63893361	63893516	63896155	+
2810002N01Rik	MmuEX0001215	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
2810002N01Rik	MmuEX0001216	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
2810002N01Rik	MmuEX0001217	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
2810004N23Rik	MmuEX0001218	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
2810006K23Rik	MmuEX0001219	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
2810046L04Rik	MmuEX0001224	chr3	53271089	53273403	53273471	53274195	+
2810046L04Rik	MmuEX0001225	chr3	53279332	53279579	53279623	53281405	+
2810046L04Rik	MmuEX0001226	chr3	53277489	53278610	53278688	53279237	+
2810046L04Rik	MmuEX0001227	chr3	53268241	53271024	53271089	53273403	+
2810055F11Rik	MmuEX0001228	chr12	73180643	73184906	73184984	73185518	-
2810055F11Rik	MmuEX0001229	chr12	73178473	73180474	73180643	73185518	-
2810055F11Rik	MmuEX0001230	chr12	73178268	73178351	73178473	73185518	-
2810403A07Rik	MmuEX0001231	chr3	88512863	88513752	88513864	88514683	+
2810405K02Rik	MmuEX0001235	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
2810405K02Rik	MmuEX0001236	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
2810407C02Rik	MmuEX0001237	chr3	58380795	58382808	58383046	58389153	+
2810407C02Rik	MmuEX0001238	chr3	58392455	58393590	58393629	58394089	+
2810422J05Rik	MmuEX0001245	chr8	73042416	73043836	73043960	73046962	-
2810422J05Rik	MmuEX0001246	chr8	73039340	73042264	73042416	73043836	-
2810428I15Rik	MmuEX0001247	chr8	73029859	73030396	73030478	73030561	-
2810428I15Rik	MmuEX0001248	chr8	73028427	73028883	73028959	73029655	-
2810432L12Rik	MmuEX0001250	chr4	49600113	49602490	49602679	49606699	-
2810474O19Rik	MmuEX0001255	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
2810474O19Rik	MmuEX0001256	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
2810474O19Rik	MmuEX0001257	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
2900006K08Rik	MmuEX0001260	chr12	85750205	85751987	85752215	85754214	+
2900006K08Rik	MmuEX0001262	chr12	85764453	85766086	85766230	85769293	+
2900006K08Rik	MmuEX0001263	chr12	85764453	85767658	85768151	85769293	+
2900008C10Rik	MmuEX0001265	chrX	11711995	11713852	11714326	11737415	-
2900026A02Rik	MmuEX0001268	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
3010026O09Rik	MmuEX0001274	chr11	49990388	49995994	49996082	50007710	+
3010026O09Rik	MmuEX0001275	chr11	49996082	50007710	50007785	50010446	+
3010026O09Rik	MmuEX0001276	chr11	49996082	50001076	50001165	50007710	+
3010026O09Rik	MmuEX0001277	chr11	49996082	50004705	50004787	50007710	+
3010026O09Rik	MmuEX0001278	chr11	50007785	50010446	50010594	50011121	+

3110002H16Rik	MmuEX0001279	chr18	12327818	12330058	12330142	12334646	+
3110002H16Rik	MmuEX0001280	chr18	12330142	12334646	12334702	12336697	+
3110002H16Rik	MmuEX0001281	chr18	12346837	12347069	12347146	12347329	+
3110002H16Rik	MmuEX0001282	chr18	12336783	12337133	12337249	12337622	+
3110002H16Rik	MmuEX0001283	chr18	12327411	12327742	12327818	12330058	+
3110002H16Rik	MmuEX0001284	chr18	12337762	12337998	12338101	12338994	+
3110002H16Rik	MmuEX0001285	chr18	12339083	12339175	12339280	12340093	+
3110009E18Rik	MmuEX0001288	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
3110009E18Rik	MmuEX0001290	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
3110009E18Rik	MmuEX0001292	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
3110009E18Rik	MmuEX0001293	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
3110043O21Rik	MmuEX0001294	chr4	35141443	35144222	35144457	35153017	-
3110043O21Rik	MmuEX0001295	chr4	35166165	35169130	35169337	35173037	-
3110043O21Rik	MmuEX0001296	chr4	35158613	35160258	35160322	35160798	-
3110043O21Rik	MmuEX0001297	chr4	35144457	35153017	35153133	35158541	-
3110052M02Rik	MmuEX0001299	chr17	21794578	21795880	21796006	21797072	+
3110052M02Rik	MmuEX0001300	chr17	21787839	21788770	21788865	21789234	+
3110052M02Rik	MmuEX0001301	chr17	21789312	21793146	21793299	21794486	+
3110053B16Rik	MmuEX0001302	chr12	20880080	20880989	20881094	20882559	-
3110053B16Rik	MmuEX0001303	chr12	20908520	20921609	20921652	20926703	-
3110053B16Rik	MmuEX0001304	chr12	20908520	20920620	20920702	20926703	-
3110053B16Rik	MmuEX0001305	chr12	20882956	20908394	20908520	20926703	-
3110053B16Rik	MmuEX0001306	chr12	20882956	20908131	20908191	20926703	-
3110056O03Rik	MmuEX0001307	chr10	80328262	80328353	80328452	80328797	+
3110056O03Rik	MmuEX0001308	chr10	80324210	80324925	80325107	80325444	+
3110056O03Rik	MmuEX0001309	chr10	80326296	80326817	80326899	80327866	+
3110056O03Rik	MmuEX0001310	chr10	80327947	80328055	80328129	80328200	+
3110057O12Rik	MmuEX0001311	chr3	40651058	40671351	40671429	40708808	+
3110057O12Rik	MmuEX0001312	chr3	40651058	40708808	40708915	40714425	+
3110057O12Rik	MmuEX0001313	chr3	40651058	40709794	40709878	40714425	+
3110057O12Rik	MmuEX0001314	chr3	40709878	40710089	40710140	40714425	+
3110057O12Rik	MmuEX0001315	chr3	40709878	40714425	40714525	40720608	+
3110082I17Rik	MmuEX0001317	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
3200002M19Rik	MmuEX0001319	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
3200002M19Rik	MmuEX0001320	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
3632451O06Rik	MmuEX0001322	chr14	50302091	50302287	50302421	50308942	-
3830406C13Rik	MmuEX0001323	chr14	13119907	13129136	13129261	13130096	+
3830406C13Rik	MmuEX0001324	chr14	13119907	13130150	13130170	13133662	+
3830406C13Rik	MmuEX0001325	chr14	13119907	13132236	13132296	13133662	+
4430402I18Rik	MmuEX0001330	chr19	29003122	29012722	29012909	29013625	-
4430402I18Rik	MmuEX0001331	chr19	28998192	29002139	29002240	29003038	-
4430402I18Rik	MmuEX0001332	chr19	29020321	29023109	29023233	29028580	-
4430402I18Rik	MmuEX0001333	chr19	29018944	29020241	29020321	29023109	-
4430402I18Rik	MmuEX0001334	chr19	29016304	29018714	29018944	29020241	-
4430402I18Rik	MmuEX0001335	chr19	29023233	29034170	29034218	29038026	-
4430402I18Rik	MmuEX0001336	chr19	29023233	29028580	29028621	29034170	-
4631405J19Rik	MmuEX0001337	chr2	92870716	92871033	92871112	92871623	+

4632411B12Rik	MmuEX0001338	chr1	36408635	36408771	36408845	36410439	-
4632411B12Rik	MmuEX0001339	chr1	36405526	36405663	36405863	36406247	-
4632411B12Rik	MmuEX0001340	chr1	36394496	36398001	36398054	36400096	-
4632411B12Rik	MmuEX0001341	chr1	36402874	36404062	36404139	36405370	-
4632411B12Rik	MmuEX0001342	chr1	36422535	36424614	36424756	36425950	-
4632415K11Rik	MmuEX0001343	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
4632428C04Rik	MmuEX0001344	chr16	30008816	30016643	30016729	30019240	+
4632428N05Rik	MmuEX0001345	chr10	59821015	59821692	59821742	59826949	+
4632428N05Rik	MmuEX0001346	chr10	59821742	59826949	59827056	59830514	+
4632428N05Rik	MmuEX0001347	chr10	59827056	59830514	59830541	59831277	+
4732415M23Rik	MmuEX0001350	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
4732418C07Rik	MmuEX0001351	chr4	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
4732418C07Rik	MmuEX0001352	chr4	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
4732418C07Rik	MmuEX0001353	chr4	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
4732471D19Rik	MmuEX0001359	chr13	54641217	54642785	54642913	54648338	+
4831426I19Rik	MmuEX0001365	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
4831426I19Rik	MmuEX0001366	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
4831426I19Rik	MmuEX0001367	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
4831426I19Rik	MmuEX0001368	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
4833420G17Rik	MmuEX0001374	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001375	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001376	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001377	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001378	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001379	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001380	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001381	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833420G17Rik	MmuEX0001382	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4833439L19Rik	MmuEX0001385	chr13	54665633	54665876	54665982	54666543	-
4833439L19Rik	MmuEX0001386	chr13	54663232	54665546	54665633	54665871	-
4833439L19Rik	MmuEX0001387	chr13	54660685	54663054	54663232	54665871	-
4833439L19Rik	MmuEX0001388	chr13	54658012	54660559	54660685	54665871	-
4833442J19Rik	MmuEX0001389	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
4833442J19Rik	MmuEX0001390	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
4833442J19Rik	MmuEX0001391	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
4921504A21Rik	MmuEX0001392	chr5	18709743	18716046	18716140	18731959	-
4921504A21Rik	MmuEX0001393	chr5	18709743	18712903	18712990	18716046	-
4921513D23Rik	MmuEX0001397	chr16	14154124	14157986	14158064	14159237	-
4921513D23Rik	MmuEX0001398	chr16	14152805	14153925	14154124	14159237	-
4921513D23Rik	MmuEX0001399	chr16	14142750	14145761	14145878	14146010	-
4921513D23Rik	MmuEX0001400	chr16	14132572	14132663	14132899	14137031	-
4921513D23Rik	MmuEX0001401	chr16	14117588	14120317	14120547	14126035	-
4921513D23Rik	MmuEX0001402	chr16	14116143	14117376	14117588	14120317	-
4921513D23Rik	MmuEX0001403	chr16	14116143	14116683	14116828	14117376	-
4921513D23Rik	MmuEX0001404	chr16	14114446	14115228	14115294	14115818	-
4921513D23Rik	MmuEX0001405	chr16	14146182	14146817	14146934	14149109	-
4921513D23Rik	MmuEX0001406	chr16	14138614	14140276	14140438	14141736	-

4921517L17Rik	MmuEX0001410	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
4921524J17Rik	MmuEX0001414	chr8	87933781	87936012	87936194	87956558	-
4922501C03Rik	MmuEX0001432	chr9	87088542	87094816	87094914	87096533	-
4922501C03Rik	MmuEX0001434	chr9	87113452	87115286	87115426	87115933	-
4930402H24Rik	MmuEX0001447	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001448	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001449	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001450	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001451	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001452	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001453	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001454	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001455	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001456	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001457	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001458	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001459	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001460	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001461	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001462	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001463	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930402H24Rik	MmuEX0001464	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
4930420K17Rik	MmuEX0001484	chr5	9101395	9116480	9116530	9117459	+
4930420K17Rik	MmuEX0001485	chr5	9116530	9117459	9117563	9118454	+
4930430F08Rik	MmuEX0001508	chr10	1E+08	1E+08	1E+08	1E+08	-
4930430F08Rik	MmuEX0001509	chr10	1E+08	1E+08	1E+08	1E+08	-
4930430F08Rik	MmuEX0001510	chr10	1E+08	1E+08	1E+08	1E+08	-
4930444A02Rik	MmuEX0001526	chr8	27098112	27100122	27100213	27104559	-
4930451G09Rik	MmuEX0001552	chr16	4974272	4976236	4976382	4976623	+
4930452B06Rik	MmuEX0001554	chr14	9315134	9343376	9343707	9347767	-
4930452B06Rik	MmuEX0001555	chr14	9264232	9275370	9275464	9305865	-
4930452B06Rik	MmuEX0001561	chr14	9305926	9314931	9315134	9343376	-
4930452B06Rik	MmuEX0001562	chr14	9275464	9305865	9305926	9314931	-
4930455C21Rik	MmuEX0001568	chr16	38510891	38513669	38513747	38518451	-
4930455C21Rik	MmuEX0001569	chr16	38505574	38505862	38505929	38508923	-
4930455C21Rik	MmuEX0001570	chr16	38502760	38505496	38505574	38508923	-
4930455F23Rik	MmuEX0001571	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
4930473A06Rik	MmuEX0001580	chr4	83342340	83388832	83388977	83397758	+
4930481A15Rik	MmuEX0001592	chr19	5407083	5415008	5415112	5415607	+
4930503L19Rik	MmuEX0001614	chr18	70629431	70631327	70631633	70631945	-
4930503L19Rik	MmuEX0001615	chr18	70623718	70626191	70626347	70626985	-
4930503L19Rik	MmuEX0001616	chr18	70627139	70629157	70629431	70631327	-
4930503L19Rik	MmuEX0001617	chr18	70627139	70627708	70628171	70629103	-
4930503L19Rik	MmuEX0001618	chr18	70613042	70626989	70627110	70627413	-
4930503L19Rik	MmuEX0001619	chr18	70613042	70623616	70623718	70626985	-
4930503L19Rik	MmuEX0001620	chr18	70613042	70617971	70618102	70623616	-
4930503L19Rik	MmuEX0001621	chr18	70613042	70616128	70616198	70617971	-

4930506M07Rik	MmuEX0001624	chr19	59125384	59135121	59135173	59149945	-
4930506M07Rik	MmuEX0001625	chr19	59084337	59090017	59090116	59093295	-
4930506M07Rik	MmuEX0001627	chr19	59049698	59069508	59069628	59074383	-
4930506M07Rik	MmuEX0001628	chr19	59049698	59064679	59064871	59074383	-
4930522L14Rik	MmuEX0001636	chr5	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
4930534B04Rik	MmuEX0001665	chr12	92238099	92247273	92247375	92257732	-
4930534B04Rik	MmuEX0001667	chr12	92247375	92248003	92248066	92257732	-
4930578N16Rik	MmuEX0001713	chr2	69596522	69599779	69599943	69609989	-
4930578N16Rik	MmuEX0001716	chr2	69620175	69625244	69625443	69627472	-
4930578N16Rik	MmuEX0001717	chr2	69599943	69620002	69620175	69625217	-
4930578N16Rik	MmuEX0001718	chr2	69599943	69619696	69619889	69620002	-
4930578N16Rik	MmuEX0001719	chr2	69599943	69616117	69616273	69619696	-
4930578N16Rik	MmuEX0001720	chr2	69599943	69614187	69614326	69616117	-
4930578N16Rik	MmuEX0001721	chr2	69599943	69609989	69610181	69614187	-
4930581F22Rik	MmuEX0001724	chr9	34925931	34931186	34931279	34937417	+
4931406C07Rik	MmuEX0001746	chr9	15096620	15098876	15098977	15099130	-
4931406C07Rik	MmuEX0001747	chr9	15099203	15102287	15102385	15105811	-
4931406C07Rik	MmuEX0001748	chr9	15098977	15099130	15099203	15102287	-
4931406P16Rik	MmuEX0001749	chr7	35090941	35097108	35097195	35098511	-
4931406P16Rik	MmuEX0001750	chr7	35042527	35042651	35042746	35043032	-
4931406P16Rik	MmuEX0001751	chr7	35072084	35090804	35090941	35097108	-
4931406P16Rik	MmuEX0001752	chr7	35043172	35048572	35048769	35069721	-
4931406P16Rik	MmuEX0001753	chr7	35041589	35042366	35042527	35042651	-
4931406P16Rik	MmuEX0001754	chr7	35030997	35033126	35033251	35039006	-
4931408A02Rik	MmuEX0001760	chr16	90894900	90897609	90897698	90904349	+
4931414P19Rik	MmuEX0001762	chr14	55204834	55209959	55210276	55213951	-
4931428F04Rik	MmuEX0001770	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
4932438A13Rik	MmuEX0001788	chr3	36938459	36939243	36939393	36939924	+
4932438A13Rik	MmuEX0001789	chr3	36788824	36789717	36789867	36794181	+
4932438A13Rik	MmuEX0001790	chr3	36817471	36818777	36818955	36819102	+
4932438A13Rik	MmuEX0001791	chr3	36841385	36842041	36842291	36845170	+
4932438A13Rik	MmuEX0001795	chr3	36895475	36897112	36897356	36898938	+
4932438A13Rik	MmuEX0001796	chr3	36903929	36905907	36906118	36907316	+
4932438A13Rik	MmuEX0001797	chr3	36910716	36911802	36911932	36913327	+
4932438A13Rik	MmuEX0001798	chr3	36921396	36925012	36925265	36926962	+
4932438A13Rik	MmuEX0001799	chr3	36935758	36937447	36937584	36938202	+
4932438A13Rik	MmuEX0001800	chr3	36888810	36891599	36891649	36893697	+
4932438A13Rik	MmuEX0001801	chr3	36910716	36911407	36911607	36911802	+
4932438A13Rik	MmuEX0001802	chr3	36921396	36921892	36921954	36925012	+
4933403F05Rik	MmuEX0001809	chr18	68435928	68438921	68439082	68459728	-
4933407C03Rik	MmuEX0001830	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4933407C03Rik	MmuEX0001831	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4933407C03Rik	MmuEX0001832	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
4933407H18Rik	MmuEX0001833	chr5	33731485	33732291	33732686	33734393	+
4933407H18Rik	MmuEX0001834	chr5	33734833	33741003	33741086	33745143	+
4933407H18Rik	MmuEX0001835	chr5	33734833	33745143	33745248	33751458	+
4933407H18Rik	MmuEX0001836	chr5	33751629	33752076	33752198	33753508	+

4933421E11Rik	MmuEX0001850	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
4933421E11Rik	MmuEX0001851	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
4933421E11Rik	MmuEX0001853	chr3	1.06E+08	1.07E+08	1.07E+08	1.07E+08	+
4933424B01Rik	MmuEX0001856	chr6	1.46E+08	1.46E+08	1.46E+08	1.47E+08	-
4933424B01Rik	MmuEX0001857	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
4933424B01Rik	MmuEX0001858	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
4933424B01Rik	MmuEX0001859	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
4933424B01Rik	MmuEX0001860	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
4933424B01Rik	MmuEX0001861	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
4933424B01Rik	MmuEX0001862	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
4933426M11Rik	MmuEX0001865	chr12	81891802	81929013	81929230	81969414	+
4933426M11Rik	MmuEX0001866	chr12	81929230	81952201	81952263	81969414	+
4933426M11Rik	MmuEX0001867	chr12	81929230	81969414	81969611	81975136	+
4933426M11Rik	MmuEX0001868	chr12	81969611	81971062	81971197	81975136	+
4933427D14Rik	MmuEX0001873	chr11	72012465	72015914	72016052	72020698	-
4933427D14Rik	MmuEX0001874	chr11	71973022	71979019	71979100	71980140	-
4933427D14Rik	MmuEX0001876	chr11	71968940	71972902	71973022	71979019	-
4933427D14Rik	MmuEX0001877	chr11	71968940	71972294	71972518	71972902	-
4933427D14Rik	MmuEX0001879	chr11	71992073	71993905	71994128	72003050	-
4933427D14Rik	MmuEX0001880	chr11	71990282	71991907	71992073	72003050	-
4933433P14Rik	MmuEX0001908	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
4933434E20Rik	MmuEX0001909	chr3	89857531	89860129	89860246	89862407	+
4933434E20Rik	MmuEX0001910	chr3	89857531	89860451	89860504	89862407	+
4933436C20Rik	MmuEX0001911	chr8	94870817	94874590	94874653	94879587	-
4933436C20Rik	MmuEX0001912	chr8	94850361	94868752	94868938	94870249	-
4933436C20Rik	MmuEX0001913	chr8	94850361	94860014	94860270	94868752	-
4933436C20Rik	MmuEX0001915	chr8	94850361	94870683	94870811	94879587	-
4933436C20Rik	MmuEX0001916	chr8	94850361	94870249	94870362	94879587	-
4933439C10Rik	MmuEX0001922	chr11	59320388	59320693	59320814	59321333	+
4933439F18Rik	MmuEX0001923	chr11	60231346	60238276	60238335	60245835	+
4933439F18Rik	MmuEX0001924	chr11	60245942	60247282	60247339	60249850	+
4933439F18Rik	MmuEX0001925	chr11	60238335	60245835	60245942	60249850	+
5033414D02Rik	MmuEX0001938	chr19	29423495	29424850	29424959	29425534	-
5033414D02Rik	MmuEX0001939	chr19	29424959	29425534	29425664	29432807	-
5033414D02Rik	MmuEX0001940	chr19	29435417	29435532	29435629	29436155	-
5033414D02Rik	MmuEX0001941	chr19	29432893	29435307	29435417	29436155	-
5033428I22Rik	MmuEX0001942	chr8	59811430	59811567	59812428	59824013	+
5133401N09Rik	MmuEX0001947	chr13	58259097	58259223	58259396	58261238	+
5133401N09Rik	MmuEX0001948	chr13	58261599	58261988	58262141	58264199	+
5133401N09Rik	MmuEX0001949	chr13	58261599	58264199	58264242	58264794	+
5430407P10Rik	MmuEX0001961	chr2	6024111	6034939	6035159	6051088	-
5430411K18Rik	MmuEX0001965	chr18	78181946	78183125	78183346	78185003	+
5430411K18Rik	MmuEX0001967	chr18	78188229	78192251	78192422	78193946	+
5430411K18Rik	MmuEX0001969	chr18	78212619	78214391	78214463	78215954	+
5430411K18Rik	MmuEX0001975	chr18	78183346	78185003	78185126	78188085	+
5430411K18Rik	MmuEX0001976	chr18	78192422	78193946	78194108	78206309	+
5430435G22Rik	MmuEX0001978	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+

5430435G22Rik	MmuEX0001979	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
5430435G22Rik	MmuEX0001980	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
5430437P03Rik	MmuEX0001981	chr8	73921924	73922291	73922349	73923425	+
5430437P03Rik	MmuEX0001982	chr8	73925603	73926645	73926774	73926875	+
5430437P03Rik	MmuEX0001983	chr8	73922349	73923425	73923545	73926645	+
5430437P03Rik	MmuEX0001984	chr8	73922349	73923628	73923706	73926645	+
5430437P03Rik	MmuEX0001985	chr8	73922349	73925579	73925603	73926645	+
5530601H04Rik	MmuEX0001986	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
5530601H04Rik	MmuEX0001987	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
5530601H04Rik	MmuEX0001988	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
5530601H04Rik	MmuEX0001991	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
5530601H04Rik	MmuEX0001992	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
5730403B10Rik	MmuEX0001993	chr16	4770735	4771230	4771281	4789831	-
5730403B10Rik	MmuEX0001994	chr16	4770735	4789376	4789465	4789545	-
5730403B10Rik	MmuEX0001995	chr16	4768649	4768745	4769018	4769640	-
5730419I09Rik	MmuEX0001996	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0001998	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0001999	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002000	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002001	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002002	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002003	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002004	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002005	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002006	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002007	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002008	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002009	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002010	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002011	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002012	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002013	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002014	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002015	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730419I09Rik	MmuEX0002016	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
5730437N04Rik	MmuEX0002018	chr17	5433579	5439532	5439632	5440133	-
5730437N04Rik	MmuEX0002019	chr17	5411467	5433442	5433579	5439532	-
5730437N04Rik	MmuEX0002020	chr17	5413504	5413586	5413654	5433442	-
5730437N04Rik	MmuEX0002021	chr17	5411467	5413348	5413504	5413586	-
5730455O13Rik	MmuEX0002022	chr19	38274168	38275361	38275448	38276037	-
5730455O13Rik	MmuEX0002023	chr19	38264397	38270187	38270225	38274050	-
5730455O13Rik	MmuEX0002024	chr19	38263290	38264319	38264397	38270187	-
5730455O13Rik	MmuEX0002025	chr19	38276079	38279186	38279299	38281753	-
5730455O13Rik	MmuEX0002026	chr19	38274168	38276037	38276079	38279186	-
5730455O13Rik	MmuEX0002027	chr19	38294217	38296327	38296403	38298452	-
5730455O13Rik	MmuEX0002028	chr19	38281798	38288864	38288947	38290321	-
5730455O13Rik	MmuEX0002029	chr19	38281798	38287851	38287935	38288864	-

5730455P16Rik	MmuEX0002030	chr11	80177520	80178338	80178441	80181564	-
5730455P16Rik	MmuEX0002031	chr11	80182094	80183833	80183952	80187142	-
5730455P16Rik	MmuEX0002032	chr11	80178441	80182030	80182094	80183833	-
5730455P16Rik	MmuEX0002033	chr11	80178441	80181564	80181700	80183833	-
5730469M10Rik	MmuEX0002035	chr14	41817509	41818930	41819010	41826915	-
5730494M16Rik	MmuEX0002036	chr18	25300138	25306789	25307494	25307615	-
5730494M16Rik	MmuEX0002037	chr18	25300138	25309701	25309788	25316745	-
5730494M16Rik	MmuEX0002038	chr18	25300138	25307615	25307743	25316745	-
5730494N06Rik	MmuEX0002039	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
5730494N06Rik	MmuEX0002040	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
5730508B09Rik	MmuEX0002041	chr3	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
5830415F09Rik	MmuEX0002060	chr4	46399123	46400440	46400614	46402190	-
5830417I10Rik	MmuEX0002063	chr3	88581436	88588230	88588421	88592259	+
5830417I10Rik	MmuEX0002064	chr3	88612564	88614591	88614759	88615936	+
5830417I10Rik	MmuEX0002065	chr3	88593320	88599386	88599409	88603537	+
5830417I10Rik	MmuEX0002066	chr3	88593320	88603537	88603640	88611829	+
5830417I10Rik	MmuEX0002067	chr3	88627904	88628272	88628456	88629054	+
5830418K08Rik	MmuEX0002068	chr9	15141089	15142639	15142863	15145318	-
5830418K08Rik	MmuEX0002070	chr9	15122037	15122118	15122211	15122363	-
5830418K08Rik	MmuEX0002071	chr9	15121557	15121903	15122037	15122118	-
5830418K08Rik	MmuEX0002074	chr9	15127527	15128013	15128154	15128593	-
5830418K08Rik	MmuEX0002075	chr9	15128735	15129951	15130190	15130519	-
5830418K08Rik	MmuEX0002077	chr9	15142863	15145318	15145425	15145885	-
5830418K08Rik	MmuEX0002079	chr9	15132395	15134949	15135092	15135198	-
5830433M19Rik	MmuEX0002083	chr4	94187826	94217956	94218156	94223153	-
5830433M19Rik	MmuEX0002084	chr4	94215885	94217113	94217197	94217956	-
5830433M19Rik	MmuEX0002085	chr4	94187826	94215810	94215885	94217113	-
5830433M19Rik	MmuEX0002086	chr4	94168107	94187753	94187821	94215806	-
5930416I19Rik	MmuEX0002090	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
5930434B04Rik	MmuEX0002091	chr2	26871129	26873893	26874000	26874408	+
5930434B04Rik	MmuEX0002092	chr2	26869685	26871004	26871129	26873893	+
5930434B04Rik	MmuEX0002093	chr2	26871129	26872599	26872672	26873893	+
6030446N20Rik	MmuEX0002108	chr18	12225614	12226807	12226855	12228589	-
6030446N20Rik	MmuEX0002110	chr18	12217469	12222713	12222748	12225569	-
6030446N20Rik	MmuEX0002111	chr18	12206143	12217435	12217469	12222713	-
6030446N20Rik	MmuEX0002114	chr18	12271981	12276913	12276959	12279890	-
6030446N20Rik	MmuEX0002115	chr18	12262689	12271904	12271981	12276913	-
6030446N20Rik	MmuEX0002116	chr18	12262689	12264363	12264512	12271904	-
6030446N20Rik	MmuEX0002117	chr18	12242578	12262608	12262689	12271904	-
6030446N20Rik	MmuEX0002118	chr18	12233152	12242501	12242578	12262608	-
6030446N20Rik	MmuEX0002119	chr18	12228640	12233127	12233152	12242501	-
6030458C11Rik	MmuEX0002120	chr15	12744012	12744692	12744817	12745605	-
6030458C11Rik	MmuEX0002121	chr15	12741827	12742379	12743009	12743946	-
6030458C11Rik	MmuEX0002122	chr15	12748039	12748694	12748852	12751159	-
6030458C11Rik	MmuEX0002123	chr15	12741827	12743946	12744012	12745605	-
6030458C11Rik	MmuEX0002124	chr15	12751308	12753316	12753461	12754222	-
6230400D17Rik	MmuEX0002125	chr14	21507835	21511607	21511744	21522134	-

6230400D17Rik	MmuEX0002126	chr14	21507835	21507987	21508061	21522134	-
6330406I15Rik	MmuEX0002133	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
6330406I15Rik	MmuEX0002134	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
6330406I15Rik	MmuEX0002135	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
6330408A02Rik	MmuEX0002137	chr7	13854996	13862495	13862777	13863993	-
6330408A02Rik	MmuEX0002138	chr7	13846989	13854887	13854996	13862495	-
6330409N04Rik	MmuEX0002140	chr14	62159076	62161975	62162138	62164519	-
6330409N04Rik	MmuEX0002141	chr14	62154078	62158974	62159076	62164519	-
6330416G13Rik	MmuEX0002142	chr4	63219991	63221946	63222029	63223474	+
6330416G13Rik	MmuEX0002144	chr4	63238945	63239075	63239266	63240967	+
6330416G13Rik	MmuEX0002145	chr4	63238945	63240967	63241047	63241327	+
6330416G13Rik	MmuEX0002146	chr4	63241047	63241327	63241506	63244820	+
6330416G13Rik	MmuEX0002147	chr4	63223665	63226691	63226800	63229495	+
6330416G13Rik	MmuEX0002148	chr4	63226800	63229495	63229602	63238835	+
6330416G13Rik	MmuEX0002149	chr4	63229602	63230978	63231127	63238835	+
6330416G13Rik	MmuEX0002150	chr4	63231127	63238835	63238945	63240967	+
6330418K02Rik	MmuEX0002151	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
6330503K22Rik	MmuEX0002160	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
6330503K22Rik	MmuEX0002162	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
6330503K22Rik	MmuEX0002163	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
6430548M08Rik	MmuEX0002174	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
6430548M08Rik	MmuEX0002175	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
6430548M08Rik	MmuEX0002176	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
6430571L13Rik	MmuEX0002184	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
6530401G17Rik	MmuEX0002194	chr12	21118030	21174065	21174137	21190959	+
6530401G17Rik	MmuEX0002195	chr12	21219086	21223836	21223939	21224049	+
6530401G17Rik	MmuEX0002196	chr12	21230253	21235100	21235148	21235235	+
6530401G17Rik	MmuEX0002197	chr12	21236817	21245416	21245510	21250547	+
6530401G17Rik	MmuEX0002198	chr12	21264036	21266113	21266320	21270992	+
6530401G17Rik	MmuEX0002199	chr12	21191104	21205405	21205479	21206741	+
6530401G17Rik	MmuEX0002200	chr12	21174137	21190959	21191104	21205405	+
6530401G17Rik	MmuEX0002201	chr12	21260328	21262336	21262470	21263871	+
6530401N04Rik	MmuEX0002202	chr12	53100860	53105284	53105357	53105866	-
6530418L21Rik	MmuEX0002205	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
6720401G13Rik	MmuEX0002209	chrX	47934126	47945102	47945262	47959185	-
6720401G13Rik	MmuEX0002210	chrX	47923468	47937856	47938024	47945102	-
6720401G13Rik	MmuEX0002213	chrX	47961991	47968538	47968692	47979614	-
6720401G13Rik	MmuEX0002214	chrX	47911561	47913986	47914176	47915853	-
6720401G13Rik	MmuEX0002215	chrX	47961991	47965882	47966027	47979614	-
6720401G13Rik	MmuEX0002222	chrX	47980486	47984068	47984172	47988122	-
6720401G13Rik	MmuEX0002223	chrX	47979686	47980384	47980427	47984068	-
6720456B07Rik	MmuEX0002224	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
6720456H20Rik	MmuEX0002225	chr14	49100019	49102925	49103008	49104614	+
6720456H20Rik	MmuEX0002226	chr14	49104728	49105593	49105803	49106416	+
6720456H20Rik	MmuEX0002227	chr14	49071732	49073237	49073530	49074756	+
6720456H20Rik	MmuEX0002228	chr14	49074985	49090104	49090272	49091999	+
6720456H20Rik	MmuEX0002229	chr14	49097369	49099979	49100019	49102925	+

6720456H20Rik	MmuEX0002230	chr14	49116138	49119682	49119830	49124920	+
6720456H20Rik	MmuEX0002231	chr14	49071732	49074756	49074985	49091999	+
6720456H20Rik	MmuEX0002232	chr14	49071732	49091999	49092176	49093641	+
6820408C15Rik	MmuEX0002238	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
6820408C15Rik	MmuEX0002240	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
6820408C15Rik	MmuEX0002241	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
6820431F20Rik	MmuEX0002242	chr8	72088754	72089582	72089799	72090659	-
6820431F20Rik	MmuEX0002243	chr8	72072383	72088731	72088754	72090659	-
8030462N17Rik	MmuEX0002249	chr18	77892035	77912639	77913423	77952460	-
8030462N17Rik	MmuEX0002250	chr18	77892035	77893875	77893989	77912639	-
8030462N17Rik	MmuEX0002251	chr18	77874067	77881807	77881933	77891868	-
8030462N17Rik	MmuEX0002252	chr18	77881933	77891868	77892035	77912639	-
8430410A17Rik	MmuEX0002255	chr6	87875804	87883236	87883428	87886084	+
8430410A17Rik	MmuEX0002256	chr6	87864689	87866657	87866761	87867833	+
8430410A17Rik	MmuEX0002257	chr6	87864689	87867833	87867976	87871520	+
8430410A17Rik	MmuEX0002258	chr6	87871645	87875626	87875804	87883236	+
8430410A17Rik	MmuEX0002259	chr6	87875808	87882857	87882976	87883236	+
8430410K20Rik	MmuEX0002260	chr9	4376623	4381550	4381758	4383537	+
8430419L09Rik	MmuEX0002261	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
9030409G11Rik	MmuEX0002278	chr4	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
9030409G11Rik	MmuEX0002279	chr4	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
9030425E11Rik	MmuEX0002280	chr9	40582568	40589196	40589337	40590390	+
9030425E11Rik	MmuEX0002281	chr9	40580611	40582446	40582568	40589196	+
9030617O03Rik	MmuEX0002282	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030617O03Rik	MmuEX0002283	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030617O03Rik	MmuEX0002284	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030617O03Rik	MmuEX0002285	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030617O03Rik	MmuEX0002286	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030617O03Rik	MmuEX0002287	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030617O03Rik	MmuEX0002288	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
9030624G23Rik	MmuEX0002295	chr12	24729719	24759224	24759284	24759487	-
9030624J02Rik	MmuEX0002296	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
9030624J02Rik	MmuEX0002297	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
9030624J02Rik	MmuEX0002298	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
9030624J02Rik	MmuEX0002299	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
9030624J02Rik	MmuEX0002300	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
9030624J02Rik	MmuEX0002301	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
9030625A04Rik	MmuEX0002302	chr14	77433990	77434600	77435212	77435619	-
9030625A04Rik	MmuEX0002303	chr14	77430769	77430954	77431051	77432993	-
9030625A04Rik	MmuEX0002304	chr14	77433158	77433812	77433990	77434600	-
9030625A04Rik	MmuEX0002305	chr14	77435212	77435619	77435797	77436304	-
9130011E15Rik	MmuEX0002306	chr19	46014993	46020492	46020593	46025152	-
9130011E15Rik	MmuEX0002307	chr19	45996195	45996917	45997023	46006841	-
9130011E15Rik	MmuEX0002308	chr19	45893468	45894764	45894880	45920598	-
9130011E15Rik	MmuEX0002309	chr19	46047420	46047615	46047713	46049457	-
9130011E15Rik	MmuEX0002310	chr19	46025245	46027115	46027190	46027914	-
9130011E15Rik	MmuEX0002311	chr19	46027960	46031170	46031230	46032897	-

9130011E15Rik	MmuEX0002312	chr19	46040824	46047313	46047420	46049457	-
9130011E15Rik	MmuEX0002313	chr19	45894880	45920598	45920676	45960442	-
9130011E15Rik	MmuEX0002314	chr19	46010917	46014935	46014993	46020492	-
9130011E15Rik	MmuEX0002315	chr19	46008345	46010852	46010917	46014935	-
9130011E15Rik	MmuEX0002316	chr19	45966638	46008276	46008345	46025152	-
9130011E15Rik	MmuEX0002317	chr19	45966638	45996107	45996195	46006841	-
9130011J15Rik	MmuEX0002318	chr8	75093917	75094773	75094814	75094903	-
9130401M01Rik	MmuEX0002330	chr15	57862655	57863539	57863634	57865639	-
9130401M01Rik	MmuEX0002331	chr15	57860599	57862512	57862655	57865639	-
9230110C19Rik	MmuEX0002335	chr9	8037535	8042437	8042490	8042629	-
9230110C19Rik	MmuEX0002336	chr9	8027267	8037460	8037535	8042409	-
9230110C19Rik	MmuEX0002339	chr9	8022544	8023900	8023966	8025962	-
9230114K14Rik	MmuEX0002340	chr5	52582176	52584157	52584835	52586040	+
9230114K14Rik	MmuEX0002341	chr5	52582176	52586040	52586129	52588132	+
9330188P03Rik	MmuEX0002357	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
9430008C03Rik	MmuEX0002358	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
9430015G10Rik	MmuEX0002359	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
9430023L20Rik	MmuEX0002367	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
9430023L20Rik	MmuEX0002368	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
9430038I01Rik	MmuEX0002370	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
9430038I01Rik	MmuEX0002371	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
9430038I01Rik	MmuEX0002372	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
9430076C15Rik	MmuEX0002379	chr6	53560526	53630930	53631253	53635287	+
9430076C15Rik	MmuEX0002380	chr6	53643001	53643581	53643609	53643918	+
9630033F20Rik	MmuEX0002398	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
9630033F20Rik	MmuEX0002399	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
9830001H06Rik	MmuEX0002400	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
9930021J03Rik	MmuEX0002412	chr19	29860939	29865839	29865934	29879772	-
9930021J03Rik	MmuEX0002413	chr19	29854284	29855548	29855642	29860739	-
9930104L06Rik	MmuEX0002416	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
9930104L06Rik	MmuEX0002417	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
A130022J15Rik	MmuEX0002418	chr6	97075617	97077700	97077843	97081346	-
A130022J15Rik	MmuEX0002419	chr6	97066056	97068616	97068783	97068875	-
A130022J15Rik	MmuEX0002420	chr6	97097445	97097871	97098002	97098055	-
A130022J15Rik	MmuEX0002421	chr6	97070209	97070706	97070798	97075514	-
A130022J15Rik	MmuEX0002422	chr6	97070043	97070138	97070209	97070706	-
A130022J15Rik	MmuEX0002423	chr6	97068943	97069957	97070043	97070138	-
A130022J15Rik	MmuEX0002424	chr6	97063956	97065995	97066056	97068875	-
A130022J15Rik	MmuEX0002425	chr6	97094034	97095390	97095478	97097389	-
A130022J15Rik	MmuEX0002426	chr6	97075617	97081346	97081452	97084273	-
A1cf	MmuEX0002427	chr19	32009323	32019454	32019590	32020276	+
A1cf	MmuEX0002428	chr19	31943349	31967545	31967688	31983282	+
A1cf	MmuEX0002429	chr19	32007188	32009142	32009323	32019454	+
A1cf	MmuEX0002430	chr19	32019590	32020276	32020427	32021849	+
A230046K03Rik	MmuEX0002443	chr10	83009669	83012207	83012260	83012344	+
A230046K03Rik	MmuEX0002444	chr10	83019668	83021343	83021466	83021563	+
A230046K03Rik	MmuEX0002445	chr10	83021690	83023111	83023271	83027156	+

A230046K03Rik	MmuEX0002446	chr10	83023271	83023672	83023869	83027156	+
A230046K03Rik	MmuEX0002447	chr10	83034984	83035103	83035182	83036521	+
A230046K03Rik	MmuEX0002448	chr10	83039574	83042227	83042301	83043002	+
A230046K03Rik	MmuEX0002449	chr10	83044136	83046000	83046108	83048563	+
A230046K03Rik	MmuEX0002450	chr10	83046108	83048168	83048265	83048563	+
A230046K03Rik	MmuEX0002451	chr10	83012409	83013009	83013054	83013626	+
A230046K03Rik	MmuEX0002452	chr10	83051049	83053036	83053132	83053732	+
A230046K03Rik	MmuEX0002453	chr10	83053132	83053732	83053928	83054434	+
A230046K03Rik	MmuEX0002454	chr10	83013693	83017479	83017561	83018318	+
A230046K03Rik	MmuEX0002455	chr10	83018360	83018758	83018861	83019548	+
A230046K03Rik	MmuEX0002456	chr10	83043106	83044002	83044136	83046000	+
A230046K03Rik	MmuEX0002457	chr10	83046108	83048563	83048629	83049379	+
A230050P20Rik	MmuEX0002459	chr9	20677415	20677554	20677708	20677986	+
A230072C01Rik	MmuEX0002462	chrX	20539783	20544855	20544934	20562552	+
A2ld1	MmuEX0002463	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
A330021E22Rik	MmuEX0002472	chr5	5584848	5586356	5586432	5587141	-
A330023F24Rik	MmuEX0002480	chr1	1.97E+08	1.97E+08	1.97E+08	1.97E+08	+
A330041J22Rik	MmuEX0002481	chr9	86589735	86593116	86593181	86593771	+
A430005L14Rik	MmuEX0002491	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
A430033K04Rik	MmuEX0002492	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
A430105I19Rik	MmuEX0002503	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
A430107O13Rik	MmuEX0002504	chr6	22071056	22072257	22072424	22073552	+
A430107O13Rik	MmuEX0002505	chr6	22073656	22082229	22082386	22085847	+
A430107O13Rik	MmuEX0002506	chr6	22095687	22165512	22165629	22172404	+
A430107O13Rik	MmuEX0002507	chr6	22165629	22172404	22172540	22183445	+
A430107O13Rik	MmuEX0002508	chr6	22187742	22187863	22188045	22189964	+
A430107O13Rik	MmuEX0002509	chr6	22009952	22035030	22035162	22038689	+
A430107O13Rik	MmuEX0002510	chr6	21937059	21966903	21967086	22001293	+
A430107O13Rik	MmuEX0002511	chr6	21967086	22001293	22001399	22009877	+
A430110N23Rik	MmuEX0002514	chr7	4881765	4884737	4885054	4887865	+
A530016L24Rik	MmuEX0002516	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
A630007B06Rik	MmuEX0002528	chr19	56872123	56873057	56873312	56874554	-
A630007B06Rik	MmuEX0002529	chr19	56882680	56883683	56883811	56884729	-
A630007B06Rik	MmuEX0002530	chr19	56876479	56881456	56881575	56882468	-
A630007B06Rik	MmuEX0002531	chr19	56873312	56874554	56874696	56875403	-
A630007B06Rik	MmuEX0002532	chr19	56865536	56866431	56866650	56867786	-
A630007B06Rik	MmuEX0002533	chr19	56884855	56887485	56888179	56896478	-
A630007B06Rik	MmuEX0002534	chr19	56883811	56884729	56884855	56896478	-
A730011L01Rik	MmuEX0002537	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
A730011L01Rik	MmuEX0002538	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
A730011L01Rik	MmuEX0002539	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
A730011L01Rik	MmuEX0002540	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
A730011L01Rik	MmuEX0002541	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
A830080D01Rik	MmuEX0002558	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
A830080D01Rik	MmuEX0002560	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
A830080D01Rik	MmuEX0002561	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
A830080D01Rik	MmuEX0002563	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+

A830080D01Rik	MmuEX0002564	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
A830080D01Rik	MmuEX0002565	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
A830093I24Rik	MmuEX0002567	chr12	4770953	4775196	4775327	4775605	-
A830093I24Rik	MmuEX0002568	chr12	4746849	4770885	4770953	4775196	-
A830093I24Rik	MmuEX0002569	chr12	4746849	4769806	4769997	4770885	-
A830093I24Rik	MmuEX0002570	chr12	4746849	4769133	4769213	4769806	-
A830093I24Rik	MmuEX0002571	chr12	4755157	4768665	4768793	4769133	-
A830093I24Rik	MmuEX0002572	chr12	4746849	4755070	4755157	4769133	-
A830093I24Rik	MmuEX0002573	chr12	4746849	4754827	4754983	4755070	-
A830093I24Rik	MmuEX0002574	chr12	4746849	4752458	4752562	4754827	-
A830093I24Rik	MmuEX0002575	chr12	4746849	4747868	4748013	4752458	-
A930001N09Rik	MmuEX0002578	chr17	26899256	26900271	26900393	26908237	+
A930001N09Rik	MmuEX0002579	chr17	26896894	26899183	26899256	26900271	+
A930001N09Rik	MmuEX0002580	chr17	26852719	26873761	26873928	26894750	+
A930001N09Rik	MmuEX0002581	chr17	26852719	26876488	26876613	26894750	+
A930001N09Rik	MmuEX0002582	chr17	26852719	26878987	26880076	26894750	+
A930005H10Rik	MmuEX0002583	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
A930005I04Rik	MmuEX0002584	chr5	35260564	35264053	35264328	35265973	+
AA408296	MmuEX0002587	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	-
AA408296	MmuEX0002588	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	-
AA408296	MmuEX0002589	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	-
AA415398	MmuEX0002590	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
AA415398	MmuEX0002591	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
AA881470	MmuEX0002593	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA881470	MmuEX0002594	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA881470	MmuEX0002595	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA881470	MmuEX0002596	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA881470	MmuEX0002597	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA881470	MmuEX0002598	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA881470	MmuEX0002599	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
AA960436	MmuEX0002600	chr8	97867962	97869189	97869272	97870427	+
AB124611	MmuEX0002611	chr9	21344329	21345030	21345067	21349121	+
AC098881.1	MmuEX0002617	chr18	32689855	32692388	32692438	32719440	-
AC113980.1	MmuEX0002624	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
AC113980.1	MmuEX0002625	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
AC113980.1	MmuEX0002626	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
AC114007.1	MmuEX0002627	chr14	59942076	59943703	59943834	59944847	-
AC114007.1	MmuEX0002628	chr14	59950134	59957458	59957579	59960110	-
AC121784.1	MmuEX0002639	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
AC121821.1	MmuEX0002642	chr18	35713123	35714081	35714115	35716270	+
AC122281.1	MmuEX0002646	chr16	77329923	77360908	77360963	77436600	+
AC122281.1	MmuEX0002647	chr16	77360963	77436600	77436647	77459619	+
AC122281.1	MmuEX0002648	chr16	77436647	77459619	77459747	77501748	+
AC151908.1	MmuEX0002666	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
AC152063.3	MmuEX0002675	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
AC154473.2	MmuEX0002682	chr16	59565469	59577624	59577690	59600571	-
AC170752.1	MmuEX0002696	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-

AC170752.1	MmuEX0002697	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
AC170752.1	MmuEX0002698	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
AC170752.1	MmuEX0002699	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
AC170752.1	MmuEX0002700	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
AI118078	MmuEX0002704	chr9	55174807	55225287	55225343	55228486	+
AI118078	MmuEX0002705	chr9	55278271	55282998	55283060	55284914	+
AI118078	MmuEX0002706	chr9	55174807	55228486	55228674	55245548	+
AI118078	MmuEX0002708	chr9	55228674	55245548	55245596	55261671	+
AI118078	MmuEX0002709	chr9	55248454	55261671	55261727	55278082	+
AI118078	MmuEX0002710	chr9	55261727	55262747	55262885	55278082	+
AI118078	MmuEX0002711	chr9	55262885	55265815	55265930	55278082	+
AI314180	MmuEX0002713	chr4	58892006	58898240	58898370	58925348	-
AI314180	MmuEX0002714	chr4	58898370	58917876	58917979	58924741	-
AI314180	MmuEX0002715	chr4	58866608	58873733	58873840	58874397	-
AI314180	MmuEX0002716	chr4	58862825	58863776	58863825	58865988	-
AI314180	MmuEX0002717	chr4	58854477	58855440	58855520	58856951	-
AI314180	MmuEX0002718	chr4	58843329	58845576	58845677	58846798	-
AI314180	MmuEX0002719	chr4	58840023	58840880	58840934	58841379	-
AI314180	MmuEX0002720	chr4	58839342	58839909	58840023	58840880	-
AI314180	MmuEX0002721	chr4	58828196	58830272	58830422	58832015	-
AI314180	MmuEX0002722	chr4	58822460	58822554	58822597	58823488	-
AI314180	MmuEX0002723	chr4	58818518	58820623	58820761	58822268	-
AI314180	MmuEX0002724	chr4	58816630	58818413	58818518	58820623	-
AI314180	MmuEX0002725	chr4	58882426	58884834	58884969	58885461	-
AI314180	MmuEX0002726	chr4	58830422	58832015	58832136	58833000	-
AI314976	MmuEX0002728	chr17	48549697	48550153	48550229	48550589	+
AI314976	MmuEX0002729	chr17	48550733	48553551	48553609	48554546	+
AI316807	MmuEX0002730	chr8	23573847	23581921	23582045	23583914	-
AI316807	MmuEX0002731	chr8	23584052	23584888	23584946	23586978	-
AI413582	MmuEX0002733	chr17	27701284	27701330	27701355	27701507	-
AI480526	MmuEX0002736	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
AI480526	MmuEX0002737	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
AI480653	MmuEX0002738	chr16	30957820	31007800	31007932	31050718	-
AI597479	MmuEX0002744	chr1	43157726	43167843	43168218	43170031	+
AI607873	MmuEX0002745	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	-
AI846148	MmuEX0002752	chr19	7449340	7450046	7450116	7457162	-
AI846148	MmuEX0002753	chr19	7432977	7445633	7445755	7448147	-
AI846148	MmuEX0002754	chr19	7448637	7449011	7449340	7457162	-
AI846148	MmuEX0002755	chr19	7448637	7448786	7448935	7449011	-
AI848100	MmuEX0002758	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002759	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002760	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002761	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002762	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002763	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002764	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002765	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-

AI848100	MmuEX0002766	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI848100	MmuEX0002767	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
AI987944	MmuEX0002773	chr7	48632242	48643478	48643625	48648597	-
AI987944	MmuEX0002774	chr7	48630744	48631861	48631918	48632116	-
AK129341	MmuEX0002776	chr9	8120787	8130196	8130315	8133236	-
AK129341	MmuEX0002777	chr9	8079559	8087228	8087425	8092244	-
AK129341	MmuEX0002779	chr9	8103516	8112080	8112191	8120642	-
AK129341	MmuEX0002780	chr9	8087425	8092244	8092316	8095214	-
AK129341	MmuEX0002781	chr9	8103516	8104653	8105788	8112080	-
AK129341	MmuEX0002782	chr9	8101841	8103318	8103516	8112080	-
AL732311.1	MmuEX0002786	chr2	26493615	26494963	26494991	26495578	-
AU019823	MmuEX0002794	chr9	50423664	50424763	50424789	50425333	-
AU021092	MmuEX0002795	chr16	5218041	5220389	5220538	5222156	-
AU021092	MmuEX0002796	chr16	5216952	5217891	5218041	5220389	-
AU021092	MmuEX0002797	chr16	5212765	5216835	5216952	5217891	-
AU021092	MmuEX0002798	chr16	5212765	5216070	5216205	5216835	-
AU021092	MmuEX0002799	chr16	5212765	5214696	5214800	5216070	-
AU022252	MmuEX0002800	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
AU022252	MmuEX0002801	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
AU040320	MmuEX0002802	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
AU040320	MmuEX0002803	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
AU040320	MmuEX0002804	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
AU040320	MmuEX0002805	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
AU040320	MmuEX0002806	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
AV249152	MmuEX0002808	chr11	21472373	21548073	21548126	21552229	+
AV249152	MmuEX0002809	chr11	21591906	21595117	21595308	21611465	+
AV249152	MmuEX0002810	chr11	21621294	21624516	21624639	21648881	+
AV249152	MmuEX0002812	chr11	21589685	21591838	21591906	21595117	+
AV249152	MmuEX0002813	chr11	21595308	21611465	21612074	21621106	+
AV249152	MmuEX0002814	chr11	21472373	21552229	21552313	21559998	+
AV249152	MmuEX0002815	chr11	21472373	21559998	21560045	21589571	+
AV249152	MmuEX0002817	chr11	21560942	21564000	21564070	21564329	+
AV249152	MmuEX0002818	chr11	21472373	21564329	21564388	21589571	+
AV249152	MmuEX0002819	chr11	21648944	21713363	21713465	21757450	+
AV249152	MmuEX0002820	chr11	21713465	21757450	21757612	21784987	+
AV249152	MmuEX0002821	chr11	21757612	21784987	21785090	21798479	+
AV249152	MmuEX0002822	chr11	21785090	21786263	21786291	21798479	+
AW146020	MmuEX0002826	chr6	81903414	81906825	81906949	81907948	+
AW146020	MmuEX0002828	chr6	81891435	81892923	81893004	81893423	+
AW549877	MmuEX0002829	chr15	3942464	3945295	3945387	3945615	-
AW549877	MmuEX0002830	chr15	3941864	3941956	3942067	3942358	-
AW554918	MmuEX0002833	chr18	25327587	25333188	25333223	25333844	+
AW554918	MmuEX0002834	chr18	25448567	25498215	25498885	25503365	+
AW554918	MmuEX0002835	chr18	25503463	25516777	25516954	25558427	+
AW554918	MmuEX0002837	chr18	25503463	25558427	25558608	25578468	+
AW554918	MmuEX0002838	chr18	25333986	25340556	25340650	25362362	+
AW554918	MmuEX0002839	chr18	25498885	25503365	25503463	25558427	+

AW555464	MmuEX0002840	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
AW555464	MmuEX0002841	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
AW555464	MmuEX0002842	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
AW555464	MmuEX0002843	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
AW555464	MmuEX0002844	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Aaas	MmuEX0002848	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002849	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002850	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002851	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002852	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002853	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002854	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aaas	MmuEX0002855	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Aacs	MmuEX0002856	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aacs	MmuEX0002857	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aacs	MmuEX0002858	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aacs	MmuEX0002859	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aacs	MmuEX0002860	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aacs	MmuEX0002861	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aacs	MmuEX0002862	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Aagab	MmuEX0002866	chr9	63467038	63483112	63483194	63484191	+
Aagab	MmuEX0002867	chr9	63467038	63484194	63484290	63486847	+
Aak1	MmuEX0002868	chr6	86915628	86917263	86917367	86920985	+
Aak1	MmuEX0002869	chr6	86906566	86909026	86909268	86913987	+
Aak1	MmuEX0002870	chr6	86887078	86894351	86894472	86896098	+
Aak1	MmuEX0002871	chr6	86894472	86896098	86896179	86899536	+
Aak1	MmuEX0002872	chr6	86917367	86920985	86921080	86945834	+
Aak1	MmuEX0002873	chr6	86917367	86931290	86931391	86945834	+
Aak1	MmuEX0002874	chr6	86917367	86932536	86932637	86945834	+
Aak1	MmuEX0002875	chr6	86917367	86933806	86933916	86945834	+
Aak1	MmuEX0002876	chr6	86917367	86936264	86936368	86945834	+
Aak1	MmuEX0002877	chr6	86917367	86937198	86945058	86945834	+
Aamp	MmuEX0002878	chr1	74329787	74330460	74330615	74331077	-
Aamp	MmuEX0002879	chr1	74328216	74328310	74328393	74328601	-
Aamp	MmuEX0002880	chr1	74328012	74328101	74328216	74328310	-
Aamp	MmuEX0002881	chr1	74327753	74327903	74328006	74328101	-
Aars	MmuEX0002882	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Aars	MmuEX0002883	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Aars2	MmuEX0002884	chr17	45652232	45652349	45652460	45652894	+
Aars2	MmuEX0002885	chr17	45654779	45654861	45654970	45655099	+
Aars2	MmuEX0002886	chr17	45646489	45651441	45651586	45651734	+
Aars2	MmuEX0002887	chr17	45651842	45652194	45652232	45652894	+
Aars2	MmuEX0002888	chr17	45651586	45651734	45651842	45652194	+
Aars2	MmuEX0002889	chr17	45651586	45651872	45652014	45652194	+
Aarsd1	MmuEX0002890	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Aarsd1	MmuEX0002891	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Aarsd1	MmuEX0002892	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-

Aasdh	MmuEX0002893	chr5	77313226	77313337	77313461	77315155	-
Aasdh	MmuEX0002894	chr5	77307551	77308935	77309098	77311292	-
Aasdh	MmuEX0002895	chr5	77306683	77307429	77307551	77308935	-
Aasdh	MmuEX0002896	chr5	77306683	77306852	77307013	77307429	-
Aasdh	MmuEX0002897	chr5	77305447	77306552	77306683	77307429	-
Aasdh	MmuEX0002898	chr5	77305447	77305567	77305703	77306552	-
Aasdh	MmuEX0002900	chr5	77315347	77316213	77316385	77317055	-
Aasdh	MmuEX0002901	chr5	77320820	77323315	77323387	77325402	-
Aasdh	MmuEX0002902	chr5	77317859	77320628	77320820	77325402	-
Aasdh	MmuEX0002903	chr5	77333405	77333984	77334037	77334296	-
Aasdh	MmuEX0002904	chr5	77331210	77333283	77333405	77334296	-
Aasdh	MmuEX0002905	chr5	77330306	77330943	77331210	77333234	-
Aasdhppt	MmuEX0002906	chr9	4302631	4308734	4308919	4309254	-
Aasdhppt	MmuEX0002907	chr9	4302631	4303094	4303215	4308694	-
Aatf	MmuEX0002919	chr11	84262689	84268449	84268575	84280963	-
Aatf	MmuEX0002920	chr11	84259209	84262622	84262689	84280963	-
Aatf	MmuEX0002921	chr11	84236521	84256068	84256139	84259129	-
Aatf	MmuEX0002922	chr11	84323919	84324985	84325080	84325643	-
Aatf	MmuEX0002923	chr11	84236521	84249236	84249401	84256068	-
Aatf	MmuEX0002924	chr11	84323298	84323701	84323919	84324985	-
Aatf	MmuEX0002925	chr11	84286668	84323161	84323298	84323701	-
Aatf	MmuEX0002926	chr11	84284230	84286554	84286668	84323161	-
Aatf	MmuEX0002927	chr11	84286668	84305147	84305625	84323161	-
Aatf	MmuEX0002928	chr11	84286668	84304965	84305052	84323161	-
Aatk	MmuEX0002929	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Abat	MmuEX0002932	chr16	8601083	8602379	8602471	8603563	+
Abat	MmuEX0002933	chr16	8609086	8611220	8611387	8614076	+
Abca1	MmuEX0002938	chr4	53063881	53072129	53072234	53073205	-
Abca1	MmuEX0002939	chr4	53053697	53054411	53054473	53055186	-
Abca1	MmuEX0002940	chr4	53049226	53049745	53049848	53051029	-
Abca1	MmuEX0002942	chr4	53063330	53063807	53063881	53072129	-
Abca17	MmuEX0002966	chr17	24402222	24402368	24402440	24402809	-
Abca2	MmuEX0002971	chr2	25299507	25299590	25299764	25299845	+
Abca2	MmuEX0002973	chr2	25300945	25301070	25301248	25301490	+
Abca3	MmuEX0002975	chr17	24494936	24497833	24498034	24501422	+
Abca3	MmuEX0002976	chr17	24524531	24529244	24529288	24529833	+
Abca3	MmuEX0002977	chr17	24524531	24529833	24529931	24533395	+
Abca3	MmuEX0002978	chr17	24537572	24537739	24537897	24539210	+
Abca3	MmuEX0002980	chr17	24501902	24503031	24503158	24503713	+
Abca3	MmuEX0002981	chr17	24533581	24534231	24534534	24535280	+
Abca3	MmuEX0002982	chr17	24542384	24544503	24544690	24546809	+
Abca3	MmuEX0002983	chr17	24542384	24545054	24545224	24546809	+
Abca3	MmuEX0002984	chr17	24542384	24545482	24545672	24546809	+
Abca3	MmuEX0002985	chr17	24542384	24545770	24545843	24546809	+
Abca3	MmuEX0002986	chr17	24542384	24546809	24547116	24547203	+
Abca4	MmuEX0002989	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Abca4	MmuEX0002991	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+

Abca4	MmuEX0002992	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Abca5	MmuEX0002993	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca5	MmuEX0002994	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca5	MmuEX0002998	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca5	MmuEX0002999	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca7	MmuEX0003003	chr10	79460425	79460514	79460607	79460759	+
Abca7	MmuEX0003004	chr10	79463835	79464235	79464464	79464780	+
Abca7	MmuEX0003005	chr10	79468920	79468997	79469054	79469178	+
Abca7	MmuEX0003006	chr10	79469455	79469631	79469667	79469881	+
Abca7	MmuEX0003007	chr10	79469667	79469881	79469973	79470045	+
Abca7	MmuEX0003008	chr10	79471177	79471284	79471316	79471408	+
Abca7	MmuEX0003009	chr10	79473925	79474020	79474143	79474458	+
Abca7	MmuEX0003010	chr10	79474780	79474869	79474931	79476057	+
Abca7	MmuEX0003011	chr10	79474931	79476057	79476163	79476364	+
Abca7	MmuEX0003012	chr10	79477077	79477213	79477305	79477692	+
Abca7	MmuEX0003014	chr10	79464464	79464780	79464956	79465252	+
Abca7	MmuEX0003015	chr10	79469973	79470069	79470196	79470399	+
Abca7	MmuEX0003016	chr10	79474143	79474458	79474587	79474660	+
Abca7	MmuEX0003017	chr10	79476505	79476591	79476725	79476974	+
Abca7	MmuEX0003018	chr10	79477305	79477692	79477932	79478051	+
Abca7	MmuEX0003019	chr10	79471316	79471408	79471585	79471673	+
Abca8a	MmuEX0003021	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8a	MmuEX0003022	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8a	MmuEX0003023	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8b	MmuEX0003027	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8b	MmuEX0003029	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8b	MmuEX0003030	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8b	MmuEX0003031	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8b	MmuEX0003033	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca8b	MmuEX0003034	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abca9	MmuEX0003042	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Abcb10	MmuEX0003045	chr8	1.26E+08	1.26E+08	1.26E+08	1.27E+08	-
Abcb10	MmuEX0003046	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Abcb10	MmuEX0003047	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Abcb10	MmuEX0003048	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Abcb10	MmuEX0003049	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Abcb1a	MmuEX0003050	chr5	8664594	8674683	8674842	8683384	+
Abcb1b	MmuEX0003051	chr5	8821443	8823932	8824045	8824187	+
Abcb1b	MmuEX0003052	chr5	8824045	8824187	8824297	8824473	+
Abcb1b	MmuEX0003053	chr5	8798806	8805433	8805481	8806008	+
Abcb1b	MmuEX0003055	chr5	8805481	8806008	8806170	8810558	+
Abcb1b	MmuEX0003056	chr5	8806170	8810558	8810615	8812655	+
Abcb1b	MmuEX0003057	chr5	8861630	8864115	8864261	8865750	+
Abcb4	MmuEX0003058	chr5	8896627	8899568	8899718	8905975	+
Abcb4	MmuEX0003059	chr5	8906032	8907208	8907399	8909102	+
Abcb4	MmuEX0003060	chr5	8910743	8914956	8915127	8918659	+
Abcb4	MmuEX0003061	chr5	8893907	8894088	8894164	8896573	+

Abcb4	MmuEX0003062	chr5	8899718	8905975	8906032	8907208	+
Abcb4	MmuEX0003063	chr5	8950105	8950660	8950857	8955389	+
Abcb6	MmuEX0003068	chr1	75169539	75170119	75170223	75170436	-
Abcb6	MmuEX0003069	chr1	75169241	75169365	75169539	75170119	-
Abcb7	MmuEX0003070	chrX	1.01E+08	1.02E+08	1.02E+08	1.02E+08	-
Abcb8	MmuEX0003071	chr5	23899520	23899974	23900401	23905731	+
Abcb8	MmuEX0003072	chr5	23908157	23908891	23908996	23911633	+
Abcb8	MmuEX0003073	chr5	23911666	23911936	23912072	23912218	+
Abcb8	MmuEX0003074	chr5	23912072	23912218	23912312	23912486	+
Abcb8	MmuEX0003075	chr5	23912619	23913126	23913273	23914386	+
Abcb8	MmuEX0003076	chr5	23906669	23906793	23906898	23907581	+
Abcb8	MmuEX0003077	chr5	23912312	23912486	23912619	23914386	+
Abcb8	MmuEX0003078	chr5	23913273	23914386	23914636	23915172	+
Abcb9	MmuEX0003079	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Abcb9	MmuEX0003080	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Abcc1	MmuEX0003081	chr16	14423353	14436600	14436746	14437739	+
Abcc1	MmuEX0003082	chr16	14390076	14391411	14391536	14394046	+
Abcc1	MmuEX0003083	chr16	14436746	14437739	14437826	14440080	+
Abcc1	MmuEX0003084	chr16	14468062	14470563	14470721	14472031	+
Abcc1	MmuEX0003085	chr16	14440152	14443441	14443567	14445386	+
Abcc1	MmuEX0003086	chr16	14459222	14459850	14460060	14460991	+
Abcc1	MmuEX0003087	chr16	14390076	14390377	14390415	14391411	+
Abcc1	MmuEX0003088	chr16	14405238	14410793	14411026	14419793	+
Abcc1	MmuEX0003089	chr16	14405238	14411542	14411719	14419793	+
Abcc1	MmuEX0003090	chr16	14411719	14413314	14413475	14419793	+
Abcc1	MmuEX0003091	chr16	14413475	14419793	14419885	14423150	+
Abcc1	MmuEX0003092	chr16	14394183	14396444	14396569	14404083	+
Abcc1	MmuEX0003093	chr16	14396569	14404083	14404144	14405107	+
Abcc1	MmuEX0003094	chr16	14445562	14447571	14447738	14457981	+
Abcc1	MmuEX0003095	chr16	14445562	14448493	14448676	14457981	+
Abcc10	MmuEX0003099	chr17	46444249	46446987	46447182	46447326	-
Abcc3	MmuEX0003107	chr11	94213540	94216327	94216428	94218287	-
Abcc4	MmuEX0003110	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003111	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003112	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003113	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003114	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003115	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003116	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003117	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc4	MmuEX0003118	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Abcc5	MmuEX0003123	chr16	20392880	20396088	20396195	20397053	-
Abcc5	MmuEX0003124	chr16	20376787	20378520	20378592	20378715	-
Abcc5	MmuEX0003125	chr16	20372292	20375064	20375207	20376584	-
Abcc5	MmuEX0003126	chr16	20366039	20368115	20368244	20368497	-
Abcc5	MmuEX0003127	chr16	20405957	20418796	20418882	20422378	-
Abcc5	MmuEX0003128	chr16	20332778	20333659	20333823	20335179	-

Abcc5	MmuEX0003129	chr16	20364234	20365678	20365806	20365886	-
Abcc5	MmuEX0003130	chr16	20378839	20389442	20389513	20392524	-
Abcc5	MmuEX0003131	chr16	20400112	20402333	20402407	20404639	-
Abcc5	MmuEX0003132	chr16	20405957	20422378	20422558	20426321	-
Abcc5	MmuEX0003133	chr16	20344867	20357442	20357631	20362255	-
Abcc5	MmuEX0003134	chr16	20339027	20344708	20344867	20357442	-
Abcc8	MmuEX0003144	chr7	53430851	53433812	53433953	53435172	-
Abcc8	MmuEX0003145	chr7	53425360	53430730	53430851	53433812	-
Abcc8	MmuEX0003146	chr7	53362058	53362322	53362430	53362608	-
Abcc8	MmuEX0003147	chr7	53363805	53364123	53364236	53364911	-
Abcc8	MmuEX0003148	chr7	53373439	53374326	53374451	53375745	-
Abcc8	MmuEX0003149	chr7	53407040	53409787	53409942	53412477	-
Abcc8	MmuEX0003150	chr7	53430851	53432012	53432250	53433812	-
Abcc8	MmuEX0003151	chr7	53360131	53360834	53360896	53361179	-
Abcc8	MmuEX0003152	chr7	53362686	53363454	53363584	53363685	-
Abcc9	MmuEX0003153	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003154	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003155	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003156	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003157	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003158	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003159	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003160	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003161	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003162	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003163	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003164	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003165	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcc9	MmuEX0003166	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Abcd1	MmuEX0003167	chrX	70976227	70979348	70979493	70979801	+
Abcd1	MmuEX0003168	chrX	70979493	70979801	70979946	70982129	+
Abcd3	MmuEX0003170	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Abcd3	MmuEX0003171	chr3	1.21E+08	1.21E+08	1.21E+08	1.22E+08	-
Abcd4	MmuEX0003172	chr12	85956394	85958072	85958128	85958233	-
Abcd4	MmuEX0003173	chr12	85945980	85946298	85946334	85946822	-
Abcd4	MmuEX0003174	chr12	85954994	85956276	85956394	85958072	-
Abcd4	MmuEX0003175	chr12	85946334	85949520	85949609	85958072	-
Abcd4	MmuEX0003176	chr12	85946334	85947050	85947258	85949520	-
Abcd4	MmuEX0003177	chr12	85946334	85946822	85946913	85947050	-
Abcd4	MmuEX0003178	chr12	85954994	85956027	85956154	85958072	-
Abcd4	MmuEX0003179	chr12	85950423	85954855	85954994	85958072	-
Abcd4	MmuEX0003180	chr12	85953400	85953730	85953846	85954855	-
Abcd4	MmuEX0003181	chr12	85950423	85953275	85953395	85958072	-
Abcd4	MmuEX0003182	chr12	85950423	85952671	85952721	85958072	-
Abcd4	MmuEX0003183	chr12	85950046	85950329	85950423	85958072	-
Abcd4	MmuEX0003184	chr12	85949847	85949925	85950046	85958072	-
Abcd4	MmuEX0003185	chr12	85946334	85949756	85949847	85958072	-

Abce1	MmuEX0003186	chr8	82227000	82229395	82229485	82231133	-
Abcf1	MmuEX0003187	chr17	36101285	36102022	36102068	36106591	-
Abcf2	MmuEX0003188	chr5	24071821	24072297	24072500	24073002	-
Abcf2	MmuEX0003189	chr5	24073381	24074023	24074133	24074385	-
Abcg1	MmuEX0003190	chr17	31194801	31195789	31195932	31201330	+
Abcg1	MmuEX0003191	chr17	31245399	31245560	31245661	31246428	+
Abcg1	MmuEX0003192	chr17	31245661	31246428	31246596	31247902	+
Abcg1	MmuEX0003194	chr17	31242585	31243005	31243119	31245251	+
Abhd1	MmuEX0003203	chr5	31252621	31255258	31255418	31255716	+
Abhd1	MmuEX0003204	chr5	31256085	31256252	31256364	31256464	+
Abhd10	MmuEX0003205	chr16	45737143	45737287	45737381	45737637	-
Abhd10	MmuEX0003206	chr16	45732072	45732851	45732892	45737006	-
Abhd10	MmuEX0003207	chr16	45740615	45741097	45741292	45742890	-
Abhd10	MmuEX0003208	chr16	45737748	45740432	45740615	45742890	-
Abhd11	MmuEX0003209	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Abhd11	MmuEX0003210	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Abhd12	MmuEX0003211	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Abhd12	MmuEX0003212	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Abhd12	MmuEX0003213	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Abhd12	MmuEX0003214	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Abhd13	MmuEX0003216	chr8	9978019	9982864	9982970	9987385	+
Abhd14a	MmuEX0003217	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Abhd14a	MmuEX0003218	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Abhd16a	MmuEX0003219	chr17	35233549	35235639	35235753	35235844	+
Abhd16a	MmuEX0003220	chr17	35237633	35237907	35238030	35238187	+
Abhd16a	MmuEX0003221	chr17	35228602	35228764	35228952	35231196	+
Abhd16a	MmuEX0003222	chr17	35231281	35233249	35233322	35233427	+
Abhd16a	MmuEX0003223	chr17	35227370	35227967	35228033	35228516	+
Abhd2	MmuEX0003224	chr7	86418225	86435463	86435606	86439394	+
Abhd2	MmuEX0003225	chr7	86418225	86441894	86442093	86468355	+
Abhd2	MmuEX0003226	chr7	86442093	86468355	86468530	86470320	+
Abhd2	MmuEX0003227	chr7	86468530	86470320	86470487	86493146	+
Abhd2	MmuEX0003228	chr7	86418225	86439394	86439493	86441894	+
Abhd3	MmuEX0003229	chr18	10682112	10704546	10704728	10705999	-
Abhd3	MmuEX0003230	chr18	10652359	10658778	10658890	10682067	-
Abhd3	MmuEX0003231	chr18	10647889	10647968	10648016	10652186	-
Abhd4	MmuEX0003232	chr14	54878994	54881301	54881389	54882326	+
Abhd4	MmuEX0003233	chr14	54882432	54882537	54882698	54882844	+
Abhd5	MmuEX0003234	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Abhd5	MmuEX0003235	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Abhd6	MmuEX0003236	chr14	8835477	8858457	8858922	8860751	+
Abhd6	MmuEX0003237	chr14	8835477	8860751	8860903	8872262	+
Abhd6	MmuEX0003238	chr14	8878139	8879877	8879972	8882088	+
Abhd6	MmuEX0003239	chr14	8878139	8881430	8881563	8882088	+
Abhd6	MmuEX0003240	chr14	8872418	8873633	8873746	8875208	+
Abhd8	MmuEX0003241	chr8	73982447	73985145	73985871	73987365	-
Abi1	MmuEX0003242	chr2	22818021	22818734	22818748	22826603	-

Abi1	MmuEX0003243	chr2	22802281	22808955	22809128	22812538	-
Abi1	MmuEX0003244	chr2	22802281	22805704	22805790	22808955	-
Abi1	MmuEX0003245	chr2	22812638	22826603	22826779	22850043	-
Abi1	MmuEX0003246	chr2	22812638	22817921	22818021	22850043	-
Abi1	MmuEX0003247	chr2	22812638	22816227	22816367	22850043	-
Abi2	MmuEX0003248	chr1	60466763	60491087	60491254	60493900	+
Abi2	MmuEX0003249	chr1	60491254	60493900	60494076	60500829	+
Abi2	MmuEX0003250	chr1	60505046	60510448	60510606	60527510	+
Abi2	MmuEX0003252	chr1	60505046	60507014	60507097	60510448	+
Abi2	MmuEX0003253	chr1	60500926	60504104	60504250	60504922	+
Abi3	MmuEX0003255	chr11	95694190	95694523	95694645	95694954	-
Abl1	MmuEX0003285	chr2	31545462	31552281	31552436	31633854	+
Abl1	MmuEX0003286	chr2	31640299	31642637	31642864	31645791	+
Abl1	MmuEX0003287	chr2	31545462	31546075	31546279	31633854	+
Abl1	MmuEX0003288	chr2	31545462	31551269	31551412	31633854	+
Abl1	MmuEX0003289	chr2	31545462	31598471	31598580	31633854	+
Abl1	MmuEX0003290	chr2	31545462	31633857	31634027	31640027	+
Abl2	MmuEX0003291	chr1	1.58E+08	1.59E+08	1.59E+08	1.59E+08	+
Abl2	MmuEX0003292	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Abl2	MmuEX0003293	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Ablim1	MmuEX0003294	chr19	57113977	57114977	57115051	57115905	-
Ablim1	MmuEX0003295	chr19	57226872	57229642	57229825	57247815	-
Ablim1	MmuEX0003297	chr19	57123999	57133575	57133694	57135743	-
Ablim1	MmuEX0003298	chr19	57123999	57125620	57125724	57135743	-
Ablim1	MmuEX0003299	chr19	57119462	57123952	57123999	57135743	-
Ablim1	MmuEX0003300	chr19	57121561	57122857	57122923	57123952	-
Ablim1	MmuEX0003301	chr19	57119462	57121415	57121555	57123952	-
Ablim1	MmuEX0003302	chr19	57143427	57151904	57151987	57154303	-
Ablim1	MmuEX0003303	chr19	57143427	57148345	57148392	57154303	-
Ablim2	MmuEX0003304	chr5	36175779	36179597	36179746	36183930	+
Ablim2	MmuEX0003305	chr5	36151958	36154775	36154868	36166674	+
Ablim2	MmuEX0003306	chr5	36215873	36217282	36217289	36217482	+
Ablim2	MmuEX0003307	chr5	36170831	36174335	36174391	36175702	+
Ablim2	MmuEX0003308	chr5	36179746	36182439	36182471	36183930	+
Ablim2	MmuEX0003309	chr5	36184050	36185817	36185915	36191453	+
Ablim2	MmuEX0003310	chr5	36184050	36191453	36191554	36199777	+
Ablim2	MmuEX0003311	chr5	36191554	36192165	36192218	36199777	+
Ablim2	MmuEX0003312	chr5	36192218	36198750	36198869	36199777	+
Ablim2	MmuEX0003313	chr5	36200617	36209354	36209415	36217282	+
Ablim2	MmuEX0003314	chr5	36200617	36215819	36215873	36217282	+
Ablim3	MmuEX0003315	chr18	62031357	62043101	62043208	62070883	-
Ablim3	MmuEX0003316	chr18	61968092	61968586	61968615	61970965	-
Ablim3	MmuEX0003317	chr18	62005537	62008952	62009078	62014857	-
Ablim3	MmuEX0003318	chr18	61964800	61965291	61965298	61966041	-
Ablim3	MmuEX0003319	chr18	61986213	61999344	61999431	62005444	-
Ablim3	MmuEX0003320	chr18	61976623	61978643	61978741	61979445	-
Ablim3	MmuEX0003321	chr18	61973986	61976576	61976623	61979445	-

Ablim3	MmuEX0003322	chr18	61973260	61973852	61973986	61979445	-
Ablim3	MmuEX0003323	chr18	61979571	61981527	61981682	61983521	-
Ablim3	MmuEX0003324	chr18	61979571	61980021	61980050	61983521	-
Abr	MmuEX0003329	chr11	76277792	76282218	76282278	76285991	-
Abr	MmuEX0003330	chr11	76292682	76299940	76300038	76322390	-
Abr	MmuEX0003331	chr11	76237675	76238416	76238525	76238769	-
Abr	MmuEX0003332	chr11	76233384	76235655	76235760	76236550	-
Abt1	MmuEX0003333	chr13	23514204	23514352	23514551	23515455	-
Abtb1	MmuEX0003334	chr6	88790759	88790832	88790894	88791763	-
Abtb1	MmuEX0003335	chr6	88788955	88789179	88789224	88789325	-
Abtb1	MmuEX0003336	chr6	88786446	88786519	88786719	88788112	-
Abtb1	MmuEX0003337	chr6	88789765	88790704	88790759	88790832	-
Abtb2	MmuEX0003338	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Abtb2	MmuEX0003339	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Acaa1a	MmuEX0003340	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Acaa2	MmuEX0003341	chr18	74954932	74956361	74956610	74957966	+
Acaca	MmuEX0003342	chr11	83984116	84037946	84038027	84039636	+
Acaca	MmuEX0003346	chr11	84009189	84027660	84027792	84029336	+
Acacb	MmuEX0003348	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003349	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003350	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003351	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003352	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003353	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003354	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acacb	MmuEX0003355	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Acad10	MmuEX0003356	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003358	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003359	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003360	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003361	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003362	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003363	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003364	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003365	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003366	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003367	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003368	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003369	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad10	MmuEX0003370	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad11	MmuEX0003371	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Acad11	MmuEX0003372	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Acad12	MmuEX0003373	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad12	MmuEX0003374	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Acad8	MmuEX0003375	chr9	26786667	26786761	26786896	26793048	-
Acad8	MmuEX0003376	chr9	26793185	26798825	26798994	26799745	-
Acad8	MmuEX0003377	chr9	26797781	26798168	26798277	26798825	-

Acad8	MmuEX0003378	chr9	26793185	26797705	26797777	26799745	-
Acad9	MmuEX0003379	chr3	35981150	35984336	35984464	35986642	+
Acad9	MmuEX0003380	chr3	35973378	35974165	35974265	35974898	+
Acad9	MmuEX0003381	chr3	35979218	35980733	35980803	35981031	+
Acad9	MmuEX0003382	chr3	35987814	35988254	35988382	35989004	+
Acadl	MmuEX0003383	chr1	66884980	66888196	66888309	66889655	-
Acadm	MmuEX0003384	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Acads	MmuEX0003385	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acads	MmuEX0003386	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acadsb	MmuEX0003387	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Acadsb	MmuEX0003388	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Acadvl	MmuEX0003389	chr11	69828360	69828619	69828697	69828765	-
Acadvl	MmuEX0003390	chr11	69825100	69825186	69825272	69825688	-
Acadvl	MmuEX0003391	chr11	69824423	69824508	69824580	69824670	-
Acadvl	MmuEX0003392	chr11	69824102	69824200	69824272	69824351	-
Acadvl	MmuEX0003393	chr11	69828205	69828295	69828360	69828619	-
Acap2	MmuEX0003399	chr16	31109818	31110587	31110656	31110979	-
Acap2	MmuEX0003400	chr16	31108273	31109727	31109818	31110587	-
Acap2	MmuEX0003401	chr16	31127519	31129700	31129711	31131346	-
Acap2	MmuEX0003402	chr16	31096532	31101911	31101972	31103585	-
Acap2	MmuEX0003403	chr16	31119533	31122707	31122727	31127407	-
Acap2	MmuEX0003404	chr16	31141883	31160417	31160474	31201025	-
Acap2	MmuEX0003405	chr16	31141883	31154659	31154778	31160417	-
Acap2	MmuEX0003406	chr16	31141883	31153792	31153845	31154659	-
Acap3	MmuEX0003407	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Acap3	MmuEX0003408	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Acap3	MmuEX0003409	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Acap3	MmuEX0003410	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Acat1	MmuEX0003411	chr9	53391699	53392945	53393009	53395558	-
Acat1	MmuEX0003412	chr9	53403505	53405741	53405749	53406190	-
Acat1	MmuEX0003413	chr9	53399562	53400073	53400216	53402511	-
Acbd3	MmuEX0003414	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Acbd3	MmuEX0003415	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Acbd4	MmuEX0003416	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Acbd4	MmuEX0003417	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Acbd4	MmuEX0003418	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Acbd5	MmuEX0003419	chr2	22950037	22955085	22955284	22965765	+
Acbd5	MmuEX0003420	chr2	22933736	22935859	22935973	22943005	+
Acbd5	MmuEX0003421	chr2	22925139	22931010	22931130	22933664	+
Acbd5	MmuEX0003422	chr2	22935973	22936188	22936220	22943005	+
Acbd6	MmuEX0003423	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Acbd6	MmuEX0003424	chr1	1.57E+08	1.58E+08	1.58E+08	1.58E+08	+
Acbd6	MmuEX0003425	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Acbd6	MmuEX0003426	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Accs	MmuEX0003438	chr2	93682119	93682706	93682772	93683076	-
Accs	MmuEX0003439	chr2	93676487	93678168	93678309	93678397	-
Accs	MmuEX0003440	chr2	93679394	93680180	93680280	93681466	-

Acd	MmuEX0003445	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Acd	MmuEX0003446	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Acd	MmuEX0003447	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Acd	MmuEX0003448	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Acd	MmuEX0003449	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ace	MmuEX0003450	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003451	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003452	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003453	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003454	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003455	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003456	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003457	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003458	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003459	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003460	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003461	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003462	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ace	MmuEX0003463	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Acer2	MmuEX0003465	chr4	86546523	86557520	86557657	86563298	+
Acer2	MmuEX0003466	chr4	86520500	86532062	86532176	86532928	+
Acer2	MmuEX0003467	chr4	86533069	86546386	86546523	86557520	+
Acer3	MmuEX0003468	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acer3	MmuEX0003469	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acer3	MmuEX0003470	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acer3	MmuEX0003471	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acer3	MmuEX0003472	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acer3	MmuEX0003473	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acer3	MmuEX0003474	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Acin1	MmuEX0003476	chr14	55270695	55281005	55281120	55282424	-
Acin1	MmuEX0003477	chr14	55263102	55263285	55263392	55263521	-
Acin1	MmuEX0003478	chr14	55266967	55268397	55269724	55270554	-
Acin1	MmuEX0003479	chr14	55270695	55272051	55272115	55281005	-
Acin1	MmuEX0003480	chr14	55285998	55297580	55297699	55298078	-
Acly	MmuEX0003481	chr11	1E+08	1E+08	1E+08	1E+08	-
Acly	MmuEX0003482	chr11	1E+08	1E+08	1E+08	1E+08	-
Acly	MmuEX0003483	chr11	1E+08	1E+08	1E+08	1E+08	-
Acly	MmuEX0003484	chr11	1E+08	1E+08	1E+08	1E+08	-
Acn9	MmuEX0003486	chr6	6906200	6907004	6907137	6988854	+
Aco1	MmuEX0003489	chr4	40123058	40123529	40123668	40124812	+
Aco1	MmuEX0003490	chr4	40123668	40124812	40124983	40126006	+
Aco1	MmuEX0003491	chr4	40126106	40127205	40127321	40128416	+
Aco1	MmuEX0003492	chr4	40128575	40129837	40129972	40130601	+
Aco1	MmuEX0003493	chr4	40132090	40133204	40133260	40133349	+
Aco1	MmuEX0003494	chr4	40135303	40136377	40136519	40137770	+
Aco1	MmuEX0003495	chr4	40136519	40137770	40137917	40140772	+
Aco1	MmuEX0003496	chr4	40137917	40140772	40140894	40143278	+

Aco1	MmuEX0003497	chr4	40107082	40110760	40110878	40111642	+
Aco1	MmuEX0003498	chr4	40110878	40111642	40111810	40114087	+
Aco2	MmuEX0003499	chr15	81743727	81744058	81744242	81744668	+
Acot13	MmuEX0003508	chr13	24912768	24923095	24923217	24923348	-
Acot7	MmuEX0003511	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Acot7	MmuEX0003512	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Acot7	MmuEX0003513	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Acot8	MmuEX0003514	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Acot8	MmuEX0003515	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Acot8	MmuEX0003516	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Acot8	MmuEX0003517	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Acot9	MmuEX0003518	chrX	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Acox1	MmuEX0003519	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acox1	MmuEX0003520	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acox1	MmuEX0003521	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acox1	MmuEX0003522	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acox1	MmuEX0003523	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Acox3	MmuEX0003527	chr5	35932432	35934725	35934868	35936959	+
Acox3	MmuEX0003528	chr5	35951081	35951448	35951547	35951669	+
Acox3	MmuEX0003529	chr5	35937047	35940964	35941060	35942341	+
Acox3	MmuEX0003530	chr5	35944274	35945570	35945690	35947263	+
Acp6	MmuEX0003537	chr3	96975665	96977007	96977160	96977726	+
Acp6	MmuEX0003538	chr3	96969894	96969997	96970127	96970463	+
Acp6	MmuEX0003539	chr3	96970539	96971739	96971782	96971910	+
Acp6	MmuEX0003540	chr3	96970539	96971910	96971997	96972364	+
Acp6	MmuEX0003541	chr3	96972496	96975565	96975665	96977726	+
Acpl2	MmuEX0003542	chr9	96726041	96729349	96729488	96739505	-
Acrbp	MmuEX0003551	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acrbp	MmuEX0003552	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acrbp	MmuEX0003553	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acsf3	MmuEX0003566	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acsf3	MmuEX0003567	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acsf3	MmuEX0003568	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acsf3	MmuEX0003569	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acsf3	MmuEX0003570	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Acs1	MmuEX0003571	chr8	47604388	47606622	47606699	47610297	+
Acs1	MmuEX0003572	chr8	47606699	47606764	47606841	47610297	+
Acs1	MmuEX0003573	chr8	47606699	47610297	47610431	47611598	+
Acs1	MmuEX0003574	chr8	47610431	47611598	47611732	47612544	+
Acs1	MmuEX0003575	chr8	47556584	47557227	47557403	47578154	+
Acs1	MmuEX0003576	chr8	47556584	47578154	47578380	47591003	+
Acs13	MmuEX0003577	chr1	78654678	78678168	78678585	78684812	+
Acs13	MmuEX0003578	chr1	78688795	78690771	78690921	78692656	+
Acs13	MmuEX0003579	chr1	78692779	78693004	78693075	78693465	+
Acs13	MmuEX0003580	chr1	78693075	78693465	78693604	78695571	+
Acs13	MmuEX0003581	chr1	78698035	78700061	78700175	78701809	+
Acs14	MmuEX0003582	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-

Acsl4	MmuEX0003583	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Acsl4	MmuEX0003584	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Acsl5	MmuEX0003585	chr19	55362452	55363295	55363390	55365636	+
Acsl5	MmuEX0003586	chr19	55363390	55365636	55365708	55365908	+
Acsl5	MmuEX0003587	chr19	55347367	55348445	55348660	55352397	+
Acsl5	MmuEX0003588	chr19	55352461	55352571	55352672	55353954	+
Acsl6	MmuEX0003589	chr11	54148627	54150438	54150515	54151914	+
Acsl6	MmuEX0003591	chr11	54117835	54133654	54133874	54136743	+
Acsl6	MmuEX0003592	chr11	54159496	54164060	54164203	54165524	+
Acss1	MmuEX0003606	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Acss1	MmuEX0003607	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Acss2	MmuEX0003608	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Acss2	MmuEX0003609	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Acss2	MmuEX0003610	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Actb	MmuEX0003612	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Actg1	MmuEX0003613	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Actl6a	MmuEX0003615	chr3	32618884	32619108	32619222	32619357	+
Actl6a	MmuEX0003616	chr3	32617047	32617290	32617396	32617489	+
Actn1	MmuEX0003621	chr12	81285886	81292273	81292356	81293355	-
Actn1	MmuEX0003622	chr12	81274129	81275067	81275201	81275447	-
Actn1	MmuEX0003623	chr12	81270003	81271673	81271753	81272716	-
Actn1	MmuEX0003624	chr12	81270003	81271170	81271235	81272716	-
Actn2	MmuEX0003625	chr13	12365031	12367345	12367491	12368630	-
Actn2	MmuEX0003626	chr13	12393283	12398541	12398628	12401167	-
Actn2	MmuEX0003627	chr13	12393283	12396581	12396659	12398541	-
Actn2	MmuEX0003628	chr13	12386669	12388742	12388827	12393202	-
Actn2	MmuEX0003629	chr13	12384157	12386577	12386669	12388742	-
Actn4	MmuEX0003635	chr7	29703810	29703973	29704087	29710179	-
Actn4	MmuEX0003636	chr7	29700319	29701179	29701265	29703691	-
Actn4	MmuEX0003637	chr7	29679678	29680451	29680531	29681108	-
Actn4	MmuEX0003638	chr7	29679678	29680140	29680205	29681108	-
Actn4	MmuEX0003639	chr7	29692083	29696509	29696594	29697259	-
Actn4	MmuEX0003640	chr7	29692083	29694922	29695007	29697259	-
Actr10	MmuEX0003641	chr12	72039018	72041785	72041857	72043246	+
Actr10	MmuEX0003642	chr12	72048546	72050691	72050758	72053937	+
Actr1a	MmuEX0003643	chr19	46462006	46466839	46467006	46470120	-
Actr1a	MmuEX0003644	chr19	46459578	46461942	46462006	46470120	-
Actr1b	MmuEX0003645	chr1	36763790	36765036	36765100	36766651	-
Actr1b	MmuEX0003646	chr1	36759445	36763390	36763493	36763715	-
Actr2	MmuEX0003647	chr11	19980175	19980665	19980801	19991298	-
Actr3b	MmuEX0003649	chr5	25338296	25354180	25354305	25354891	+
Actr3b	MmuEX0003650	chr5	25354305	25354891	25354974	25355669	+
Actr3b	MmuEX0003651	chr5	25265946	25273324	25273556	25304264	+
Actr3b	MmuEX0003652	chr5	25265946	25304264	25304319	25315603	+
Actr3b	MmuEX0003653	chr5	25265946	25315603	25315727	25328223	+
Actr3b	MmuEX0003654	chr5	25265946	25317735	25317845	25328223	+
Actr3b	MmuEX0003655	chr5	25328318	25330926	25331033	25335344	+

Actr3b	MmuEX0003656	chr5	25331033	25335348	25335392	25337429	+
Actr5	MmuEX0003657	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Actr5	MmuEX0003658	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Actr6	MmuEX0003659	chr10	89175305	89177615	89177753	89179818	-
Actr6	MmuEX0003660	chr10	89190967	89191645	89191762	89194704	-
Acvr1	MmuEX0003661	chr2	58368711	58390189	58390284	58419198	-
Acvr1	MmuEX0003662	chr2	58321071	58326584	58326683	58330016	-
Acvr1	MmuEX0003663	chr2	58300855	58308049	58308180	58311296	-
Acvr1	MmuEX0003664	chr2	58330227	58332076	58332339	58352895	-
Acvr1	MmuEX0003665	chr2	58352968	58368435	58368711	58390189	-
Acvr1	MmuEX0003666	chr2	58352968	58359688	58359932	58390189	-
Acvr1	MmuEX0003667	chr2	58332339	58352895	58352968	58390189	-
Acvr1b	MmuEX0003668	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acvr1b	MmuEX0003669	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acvr2a	MmuEX0003673	chr2	48728686	48728839	48728993	48745818	+
Acvr2a	MmuEX0003674	chr2	48752630	48753998	48754128	48755114	+
Acvr2a	MmuEX0003675	chr2	48728993	48742194	48742217	48745818	+
Acvrl1	MmuEX0003676	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acvrl1	MmuEX0003677	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acvrl1	MmuEX0003678	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acvrl1	MmuEX0003679	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acvrl1	MmuEX0003680	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Acy1	MmuEX0003681	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Acy1	MmuEX0003682	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Acy3	MmuEX0003683	chr19	3986611	3986828	3986951	3987051	+
Acy3	MmuEX0003684	chr19	3987305	3987731	3987923	3988138	+
Acyp2	MmuEX0003685	chr11	30533702	30543736	30543803	30549301	-
Acyp2	MmuEX0003686	chr11	30532317	30533686	30533702	30549301	-
Acyp2	MmuEX0003687	chr11	30515359	30532208	30532317	30549301	-
Acyp2	MmuEX0003688	chr11	30501060	30515303	30515359	30532208	-
Ada	MmuEX0003690	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Adal	MmuEX0003693	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Adal	MmuEX0003694	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Adal	MmuEX0003695	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Adal	MmuEX0003696	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Adal	MmuEX0003697	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Adam10	MmuEX0003698	chr9	70596073	70601969	70602132	70609390	+
Adam10	MmuEX0003699	chr9	70616819	70624180	70624306	70625807	+
Adam10	MmuEX0003700	chr9	70527066	70551094	70551244	70566465	+
Adam10	MmuEX0003701	chr9	70527066	70566465	70566583	70587882	+
Adam11	MmuEX0003705	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Adam11	MmuEX0003706	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Adam11	MmuEX0003707	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Adam15	MmuEX0003713	chr3	89151867	89152440	89152549	89153731	-
Adam15	MmuEX0003714	chr3	89148521	89148628	89148776	89149201	-
Adam15	MmuEX0003715	chr3	89145499	89145859	89145997	89146211	-
Adam15	MmuEX0003716	chr3	89144394	89144635	89144698	89144785	-

Adam15	MmuEX0003717	chr3	89144101	89144785	89144859	89145430	-
Adam15	MmuEX0003718	chr3	89144101	89144338	89144394	89145430	-
Adam15	MmuEX0003719	chr3	89151150	89151329	89151407	89151791	-
Adam17	MmuEX0003720	chr12	21338534	21339815	21340014	21342494	-
Adam17	MmuEX0003721	chr12	21336024	21337937	21338071	21338431	-
Adam17	MmuEX0003722	chr12	21332030	21335894	21336024	21337937	-
Adam17	MmuEX0003723	chr12	21348838	21353158	21353291	21355646	-
Adam17	MmuEX0003724	chr12	21348838	21351482	21351571	21353158	-
Adam17	MmuEX0003725	chr12	21340014	21346536	21346680	21348725	-
Adam17	MmuEX0003726	chr12	21342646	21346333	21346421	21346536	-
Adam17	MmuEX0003727	chr12	21340014	21342494	21342646	21346333	-
Adam17	MmuEX0003728	chr12	21359874	21367520	21367647	21379197	-
Adam19	MmuEX0003731	chr11	45913431	45926259	45926451	45927125	+
Adam19	MmuEX0003732	chr11	45942377	45943052	45943295	45945125	+
Adam19	MmuEX0003733	chr11	45874510	45878514	45878584	45907365	+
Adam19	MmuEX0003734	chr11	45953732	45956266	45956328	45956421	+
Adam19	MmuEX0003735	chr11	45953732	45956421	45956573	45957294	+
Adam19	MmuEX0003736	chr11	45945320	45947930	45948038	45949750	+
Adam19	MmuEX0003737	chr11	45932003	45934922	45935088	45938510	+
Adam19	MmuEX0003738	chr11	45932003	45936595	45936679	45938510	+
Adam22	MmuEX0003741	chr5	8145719	8146455	8146526	8149208	-
Adam22	MmuEX0003742	chr5	8134604	8134813	8134884	8136806	-
Adam22	MmuEX0003743	chr5	8132479	8134512	8134604	8134813	-
Adam22	MmuEX0003744	chr5	8117757	8121048	8121167	8127327	-
Adam22	MmuEX0003745	chr5	8092831	8107002	8107019	8111895	-
Adam22	MmuEX0003746	chr5	8082269	8092340	8092406	8092731	-
Adam22	MmuEX0003748	chr5	8078706	8082146	8082269	8092340	-
Adam22	MmuEX0003750	chr5	8143132	8144221	8144305	8145553	-
Adam22	MmuEX0003751	chr5	8232676	8329980	8330056	8367201	-
Adam22	MmuEX0003752	chr5	8082269	8090142	8090252	8092340	-
Adam22	MmuEX0003753	chr5	8082269	8087982	8088068	8092340	-
Adam22	MmuEX0003754	chr5	8082269	8086594	8086623	8092340	-
Adam22	MmuEX0003755	chr5	8092831	8111895	8111985	8116545	-
Adam22	MmuEX0003756	chr5	8092831	8095073	8095180	8107002	-
Adam9	MmuEX0003795	chr8	26073560	26075375	26075507	26077121	-
Adam9	MmuEX0003796	chr8	26103587	26105582	26105647	26107127	-
Adam9	MmuEX0003797	chr8	26103587	26104486	26104556	26105582	-
Adam9	MmuEX0003798	chr8	26105647	26107127	26107322	26108215	-
Adamts1	MmuEX0003799	chr16	85797059	85797963	85798138	85798249	-
Adamts10	MmuEX0003800	chr17	33665415	33665625	33665971	33667078	+
Adamts10	MmuEX0003801	chr17	33674888	33675013	33675118	33675209	+
Adamts10	MmuEX0003802	chr17	33675355	33675516	33675657	33680143	+
Adamts10	MmuEX0003803	chr17	33675657	33680143	33680250	33680581	+
Adamts10	MmuEX0003804	chr17	33680250	33680360	33680471	33680581	+
Adamts10	MmuEX0003805	chr17	33685848	33685942	33686105	33686204	+
Adamts10	MmuEX0003806	chr17	33667234	33667326	33667406	33668525	+
Adamts10	MmuEX0003807	chr17	33674369	33674845	33674888	33675013	+

Adamts10	MmuEX0003808	chr17	33661203	33665229	33665415	33665625	+
Adamts10	MmuEX0003809	chr17	33666065	33667078	33667234	33668525	+
Adamts10	MmuEX0003810	chr17	33682002	33682249	33682382	33682487	+
Adamts10	MmuEX0003811	chr17	33686554	33687411	33687615	33687959	+
Adamts10	MmuEX0003812	chr17	33680250	33680581	33680726	33680817	+
Adamts2	MmuEX0003846	chr11	50593340	50595207	50595382	50598105	+
Adamts2	MmuEX0003847	chr11	50589764	50590124	50590256	50590633	+
Adamts2	MmuEX0003848	chr11	50590256	50590367	50590517	50590633	+
Adamts2	MmuEX0003849	chr11	50481652	50550668	50550870	50570198	+
Adamts5	MmuEX0003865	chr16	85878282	85884425	85884558	85888062	-
Adamts6	MmuEX0003866	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Adamts7	MmuEX0003878	chr9	90090688	90090769	90090915	90091838	+
Adamts9	MmuEX0003885	chr6	92859798	92859900	92859983	92862617	-
Adamts9	MmuEX0003886	chr6	92858576	92858692	92858732	92859683	-
Adamts9	MmuEX0003887	chr6	92766637	92773341	92773508	92799286	-
Adamts9	MmuEX0003888	chr6	92757179	92766464	92766637	92773341	-
Adamts9	MmuEX0003889	chr6	92813440	92819929	92820093	92822282	-
Adamts9	MmuEX0003890	chr6	92810198	92813321	92813440	92819929	-
Adamtsl2	MmuEX0003898	chr2	26945279	26949053	26949410	26950923	+
Adamtsl2	MmuEX0003899	chr2	26954223	26957127	26957253	26958285	+
Adamtsl4	MmuEX0003902	chr3	95484845	95484947	95485058	95485183	-
Adamtsl4	MmuEX0003903	chr3	95481928	95483147	95483252	95483511	-
Adamtsl4	MmuEX0003904	chr3	95488162	95488284	95488621	95488882	-
Adamtsl4	MmuEX0003905	chr3	95486269	95487231	95487333	95487556	-
Adamtsl4	MmuEX0003906	chr3	95485058	95485183	95485355	95485575	-
Adamtsl5	MmuEX0003907	chr10	79805138	79805237	79805444	79805654	-
Adamtsl5	MmuEX0003908	chr10	79804967	79805052	79805138	79805654	-
Adamtsl5	MmuEX0003909	chr10	79805138	79805654	79805765	79806344	-
Adamtsl5	MmuEX0003910	chr10	79807848	79808067	79808158	79808258	-
Adamtsl5	MmuEX0003911	chr10	79808448	79810027	79810082	79810302	-
Adap1	MmuEX0003912	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Adap1	MmuEX0003913	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Adap1	MmuEX0003914	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Adap1	MmuEX0003915	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Adap1	MmuEX0003916	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Adap2	MmuEX0003917	chr11	79973744	79975372	79975556	79975650	+
Adap2	MmuEX0003918	chr11	79984263	79984584	79984641	79987590	+
Adap2	MmuEX0003919	chr11	79973744	79975650	79975762	79979175	+
Adap2	MmuEX0003920	chr11	79984263	79987590	79987652	79989558	+
Adar	MmuEX0003921	chr3	89544200	89549298	89549523	89549742	+
Adar	MmuEX0003922	chr3	89549913	89550487	89550580	89551094	+
Adar	MmuEX0003923	chr3	89551593	89553559	89553741	89554158	+
Adar	MmuEX0003924	chr3	89543893	89544016	89544200	89549298	+
Adarb1	MmuEX0003925	chr10	76822480	76848913	76849152	76880840	-
Adarb1	MmuEX0003926	chr10	76758621	76765304	76765396	76765918	-
Adarb1	MmuEX0003927	chr10	76822480	76824548	76824626	76832935	-
Adarb1	MmuEX0003928	chr10	76817454	76819647	76819813	76822312	-

Adarb1	MmuEX0003929	chr10	76785374	76788364	76788436	76788611	-
Adarb1	MmuEX0003930	chr10	76822480	76850004	76850083	76880840	-
Adarb1	MmuEX0003931	chr10	76788685	76822312	76822480	76880840	-
Adat1	MmuEX0003935	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Adat1	MmuEX0003936	chr8	1.14E+08	1.14E+08	1.14E+08	1.15E+08	-
Adat1	MmuEX0003937	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Adat1	MmuEX0003938	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Adat1	MmuEX0003939	chr8	1.14E+08	1.15E+08	1.15E+08	1.15E+08	-
Adat1	MmuEX0003940	chr8	1.14E+08	1.15E+08	1.15E+08	1.15E+08	-
Adat2	MmuEX0003941	chr10	13273167	13276658	13276762	13279920	+
Adat2	MmuEX0003942	chr10	13281616	13282443	13282515	13282621	+
Adc	MmuEX0003944	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Adc	MmuEX0003946	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Adc	MmuEX0003947	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Adck1	MmuEX0003949	chr12	89599227	89606779	89606924	89610139	+
Adck1	MmuEX0003950	chr12	89640620	89669465	89669623	89679527	+
Adck1	MmuEX0003951	chr12	89669623	89679527	89679685	89685085	+
Adck1	MmuEX0003952	chr12	89694072	89695181	89695378	89697454	+
Adck1	MmuEX0003953	chr12	89606924	89610139	89610222	89640417	+
Adck1	MmuEX0003954	chr12	89610222	89625618	89625697	89640417	+
Adck1	MmuEX0003955	chr12	89610222	89640417	89640620	89669465	+
Adck2	MmuEX0003956	chr6	39534061	39534967	39535033	39535726	+
Adck2	MmuEX0003957	chr6	39535854	39536840	39536893	39537368	+
Adck2	MmuEX0003958	chr6	39524818	39526362	39526508	39529662	+
Adck2	MmuEX0003959	chr6	39531090	39533810	39534061	39535726	+
Adck2	MmuEX0003960	chr6	39526508	39529662	39529790	39530995	+
Adck3	MmuEX0003961	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003962	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003963	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003964	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003965	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003966	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003967	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003968	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck3	MmuEX0003969	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Adck4	MmuEX0003970	chr7	28018192	28018484	28018591	28018721	+
Adck4	MmuEX0003971	chr7	28022474	28024816	28024938	28025059	+
Adck4	MmuEX0003972	chr7	28018840	28018960	28019026	28022397	+
Adck4	MmuEX0003973	chr7	28028415	28035310	28035447	28035555	+
Adck4	MmuEX0003974	chr7	28035662	28036449	28036661	28037280	+
Adck5	MmuEX0003975	chr15	76424714	76424794	76424877	76424959	+
Adck5	MmuEX0003976	chr15	76425040	76425104	76425182	76425277	+
Adck5	MmuEX0003977	chr15	76424289	76424368	76424481	76424583	+
Adck5	MmuEX0003978	chr15	76424481	76424583	76424714	76424794	+
Adcy4	MmuEX0003994	chr14	56400869	56402357	56402547	56402729	-
Adcy4	MmuEX0003995	chr14	56392396	56392503	56392587	56393310	-
Adcy4	MmuEX0003996	chr14	56400578	56400672	56400869	56402357	-

Adcy4	MmuEX0003997	chr14	56388334	56388629	56388743	56388862	-
Adcy4	MmuEX0003998	chr14	56391267	56391498	56391623	56392259	-
Adcy5	MmuEX0003999	chr16	35274651	35278581	35278603	35279282	+
Adcy6	MmuEX0004000	chr15	98427106	98427325	98427441	98427595	-
Adcy6	MmuEX0004001	chr15	98426649	98426948	98427106	98427325	-
Adcy6	MmuEX0004002	chr15	98425025	98425344	98425473	98425558	-
Adcy6	MmuEX0004003	chr15	98425473	98425558	98425593	98426471	-
Adcy7	MmuEX0004004	chr8	90835046	90836099	90836210	90837988	+
Adcy7	MmuEX0004005	chr8	90836210	90837410	90837528	90837988	+
Adcy7	MmuEX0004006	chr8	90838115	90839356	90839514	90839647	+
Adcy7	MmuEX0004007	chr8	90844142	90845683	90845767	90845996	+
Adcy7	MmuEX0004008	chr8	90845767	90845996	90846121	90846834	+
Adcy7	MmuEX0004009	chr8	90847706	90848333	90848498	90848658	+
Adcy7	MmuEX0004010	chr8	90849412	90849678	90849792	90849995	+
Adcy7	MmuEX0004011	chr8	90849412	90849995	90850099	90850290	+
Adcy7	MmuEX0004012	chr8	90819033	90819471	90819578	90830249	+
Adcy7	MmuEX0004013	chr8	90819578	90822674	90823434	90830249	+
Adcy7	MmuEX0004014	chr8	90834582	90834898	90835046	90836099	+
Adcy7	MmuEX0004015	chr8	90841945	90842203	90842237	90842698	+
Adcy7	MmuEX0004016	chr8	90830669	90832540	90832743	90833591	+
Adcy9	MmuEX0004022	chr16	4312789	4323767	4323957	4417853	-
Adcy9	MmuEX0004023	chr16	4312789	4319358	4319514	4323767	-
Adcy9	MmuEX0004024	chr16	4304585	4307156	4307258	4311525	-
Adcyap1r1	MmuEX0004026	chr6	55444200	55445568	55445609	55446977	+
Adcyap1r1	MmuEX0004032	chr6	55435027	55441224	55441304	55444071	+
Adcyap1r1	MmuEX0004033	chr6	55435027	55444071	55444200	55445568	+
Add1	MmuEX0004034	chr5	34916562	34940818	34941096	34943973	+
Add1	MmuEX0004035	chr5	34959556	34960085	34960129	34961999	+
Add1	MmuEX0004036	chr5	34968084	34971064	34971162	34973119	+
Add1	MmuEX0004037	chr5	34971162	34971788	34971821	34973119	+
Add1	MmuEX0004038	chr5	34971162	34972884	34972933	34973119	+
Add1	MmuEX0004039	chr5	34962783	34963481	34963567	34967928	+
Add3	MmuEX0004041	chr19	53217579	53271005	53271018	53277904	+
Add3	MmuEX0004042	chr19	53217579	53277904	53277965	53291291	+
Add3	MmuEX0004043	chr19	53217579	53291291	53291505	53301081	+
Add3	MmuEX0004044	chr19	53306694	53306846	53306923	53307516	+
Add3	MmuEX0004045	chr19	53317117	53318800	53318895	53319488	+
Adh5	MmuEX0004046	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Adh5	MmuEX0004047	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Adhfe1	MmuEX0004049	chr1	9548366	9548471	9548567	9550190	+
Adhfe1	MmuEX0004050	chr1	9543057	9543399	9543553	9543704	+
Adhfe1	MmuEX0004051	chr1	9543553	9543704	9543900	9545619	+
Adhfe1	MmuEX0004052	chr1	9543900	9545619	9545696	9547081	+
Adhfe1	MmuEX0004053	chr1	9538232	9539988	9540025	9543004	+
Adhfe1	MmuEX0004054	chr1	9540025	9541798	9541838	9543004	+
Adhfe1	MmuEX0004055	chr1	9538232	9543004	9543057	9543399	+
Adhfe1	MmuEX0004056	chr1	9550288	9553590	9553668	9553878	+

Adhfe1	MmuEX0004057	chr1	9550288	9553878	9553974	9556862	+
Adig	MmuEX0004058	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Adipor1	MmuEX0004059	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Adipor1	MmuEX0004060	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Adipor1	MmuEX0004061	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Adipor2	MmuEX0004062	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Adipor2	MmuEX0004063	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Adipor2	MmuEX0004064	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Adipor2	MmuEX0004065	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Adipor2	MmuEX0004066	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Adipor2	MmuEX0004067	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Adk	MmuEX0004068	chr14	22137405	22188293	22188328	22200725	+
Adk	MmuEX0004069	chr14	22059793	22137235	22137405	22188293	+
Adk	MmuEX0004070	chr14	21871922	21873167	21873238	21911589	+
Adm	MmuEX0004071	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Adnp2	MmuEX0004076	chr18	80334312	80334892	80335043	80339388	-
Adnp2	MmuEX0004077	chr18	80327733	80334223	80334312	80339388	-
Adnp2	MmuEX0004078	chr18	80334312	80339388	80339508	80348101	-
Adora2a	MmuEX0004079	chr10	74779892	74788530	74789096	74795772	+
Adora2a	MmuEX0004080	chr10	74789096	74793558	74793679	74795772	+
Adpgk	MmuEX0004082	chr9	59151358	59152439	59152565	59158035	+
Adpgk	MmuEX0004083	chr9	59158155	59159097	59159190	59160847	+
Adpgk	MmuEX0004084	chr9	59139673	59145333	59145558	59151296	+
Adpgk	MmuEX0004086	chr9	59158155	59160847	59160950	59161560	+
Adra1a	MmuEX0004087	chr14	67257297	67346283	67346837	67350401	+
Adra1b	MmuEX0004088	chr11	43589961	43648642	43649783	43650295	-
Adrbk1	MmuEX0004089	chr19	4289739	4289898	4290005	4290074	-
Adrbk1	MmuEX0004090	chr19	4287694	4287823	4287985	4288412	-
Adrbk1	MmuEX0004091	chr19	4290871	4291239	4291330	4291590	-
Adrbk1	MmuEX0004092	chr19	4287985	4288412	4288507	4288592	-
Adrbk1	MmuEX0004093	chr19	4292840	4294850	4294926	4305902	-
Adrbk2	MmuEX0004095	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Adrbk2	MmuEX0004096	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Adrbk2	MmuEX0004097	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Adrbk2	MmuEX0004098	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Adrbk2	MmuEX0004099	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Adrbk2	MmuEX0004100	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Adsl	MmuEX0004101	chr15	80786722	80790825	80790996	80791786	+
Adsl	MmuEX0004102	chr15	80794457	80796522	80796612	80797542	+
Adsl	MmuEX0004103	chr15	80786094	80786643	80786722	80790825	+
Adss	MmuEX0004104	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Adss	MmuEX0004105	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Adssl1	MmuEX0004106	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Aebp1	MmuEX0004107	chr11	5764280	5764827	5764898	5765020	+
Aebp1	MmuEX0004108	chr11	5770656	5770756	5770855	5771248	+
Aebp1	MmuEX0004109	chr11	5765456	5766436	5766513	5766923	+
Aebp1	MmuEX0004110	chr11	5767003	5767101	5767154	5767643	+

Aebp2	MmuEX0004111	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Aebp2	MmuEX0004112	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Aebp2	MmuEX0004113	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Aen	MmuEX0004114	chr7	86040900	86047230	86047716	86050729	+
Afap1	MmuEX0004116	chr5	36304935	36311219	36311368	36317037	+
Afap1	MmuEX0004117	chr5	36278781	36287837	36287945	36290684	+
Afap1	MmuEX0004118	chr5	36326955	36329704	36329970	36332203	+
Afap1l1	MmuEX0004119	chr18	61901495	61902932	61903084	61903321	-
Afap1l1	MmuEX0004120	chr18	61898923	61901284	61901495	61902932	-
Afap1l1	MmuEX0004121	chr18	61898410	61898778	61898923	61901284	-
Afap1l1	MmuEX0004122	chr18	61890964	61893358	61893486	61895222	-
Afap1l1	MmuEX0004123	chr18	61915328	61916494	61916588	61917306	-
Afap1l1	MmuEX0004124	chr18	61906524	61908350	61908529	61911320	-
Afap1l2	MmuEX0004126	chr19	56990317	56990552	56990732	56990814	-
Aff1	MmuEX0004130	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Aff1	MmuEX0004131	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Aff1	MmuEX0004132	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Aff1	MmuEX0004133	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Aff4	MmuEX0004147	chr11	53164631	53181577	53181668	53182162	+
Aff4	MmuEX0004148	chr11	53164631	53182162	53182288	53185780	+
Aff4	MmuEX0004149	chr11	53211371	53211739	53211901	53213091	+
Aff4	MmuEX0004150	chr11	53194174	53203257	53203293	53206273	+
Aff4	MmuEX0004151	chr11	53214008	53215980	53216068	53217858	+
Aff4	MmuEX0004152	chr11	53164631	53185780	53186559	53203257	+
Aff4	MmuEX0004153	chr11	53164631	53189091	53189135	53203257	+
Aff4	MmuEX0004154	chr11	53189135	53194088	53194174	53203257	+
Afg3l1	MmuEX0004155	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Afg3l1	MmuEX0004156	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Afg3l1	MmuEX0004157	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Afg3l1	MmuEX0004158	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Afg3l1	MmuEX0004159	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Afg3l2	MmuEX0004160	chr18	67602504	67607223	67607346	67608542	-
Afg3l2	MmuEX0004161	chr18	67602041	67602405	67602504	67608542	-
Afg3l2	MmuEX0004162	chr18	67569252	67573732	67573847	67575153	-
Afg3l2	MmuEX0004163	chr18	67588908	67591308	67591432	67593809	-
Afmid	MmuEX0004166	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004167	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004168	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004169	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004170	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004171	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004172	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Afmid	MmuEX0004173	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Aftph	MmuEX0004175	chr11	20609749	20612167	20612318	20625688	-
Aftph	MmuEX0004176	chr11	20612318	20625688	20627642	20641309	-
Aftph	MmuEX0004177	chr11	20592591	20598316	20598376	20603714	-
Aftph	MmuEX0004178	chr11	20592591	20596754	20596834	20598316	-

Aftph	MmuEX0004179	chr11	20586201	20592468	20592591	20603714	-
Aftph	MmuEX0004180	chr11	20608740	20609623	20609749	20612167	-
Aga	MmuEX0004181	chr8	54603222	54603970	54604049	54604270	+
Agap1	MmuEX0004182	chr1	91352167	91501173	91501231	91506071	+
Agap1	MmuEX0004183	chr1	91530869	91560236	91560363	91561609	+
Agap1	MmuEX0004184	chr1	91567846	91622536	91622640	91640303	+
Agap1	MmuEX0004185	chr1	91685899	91720432	91720509	91731009	+
Agap1	MmuEX0004186	chr1	91501231	91506071	91506158	91524336	+
Agap1	MmuEX0004187	chr1	91506158	91506859	91506870	91524336	+
Agap1	MmuEX0004188	chr1	91622640	91640303	91640471	91662881	+
Agap1	MmuEX0004189	chr1	91640471	91662881	91663039	91685738	+
Agap1	MmuEX0004190	chr1	91663039	91685738	91685899	91731009	+
Agap2	MmuEX0004191	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Agap2	MmuEX0004192	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Agap3	MmuEX0004193	chr5	23993711	23995877	23996014	23998776	+
Agap3	MmuEX0004194	chr5	24004025	24005243	24005319	24005476	+
Agap3	MmuEX0004195	chr5	23982538	23982722	23982807	23982887	+
Agap3	MmuEX0004196	chr5	23958352	23982196	23982254	23983557	+
Agap3	MmuEX0004197	chr5	23958352	23982451	23982538	23983557	+
Agap3	MmuEX0004198	chr5	23998944	24002551	24002721	24005476	+
Agap3	MmuEX0004199	chr5	24002721	24003888	24004025	24005476	+
Agap3	MmuEX0004200	chr5	23985607	23985941	23986166	23989159	+
Agap3	MmuEX0004201	chr5	23985607	23988084	23988977	23989159	+
Agbl3	MmuEX0004208	chr6	34732218	34733570	34733630	34735191	+
Agbl5	MmuEX0004220	chr5	31196883	31197370	31197572	31198139	+
Agbl5	MmuEX0004222	chr5	31207188	31207482	31207528	31208004	+
Agbl5	MmuEX0004223	chr5	31207528	31208004	31208134	31208489	+
Agfg1	MmuEX0004225	chr1	82872025	82872746	82872899	82876583	+
Agfg1	MmuEX0004226	chr1	82876702	82877322	82877393	82878803	+
Agfg1	MmuEX0004227	chr1	82836464	82854931	82855024	82867260	+
Agfg1	MmuEX0004228	chr1	82872899	82876583	82876702	82878803	+
Agfg1	MmuEX0004229	chr1	82882762	82882950	82883042	82889999	+
Agfg1	MmuEX0004230	chr1	82883042	82888035	82888082	82889999	+
Agfg2	MmuEX0004231	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Agfg2	MmuEX0004232	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Agfg2	MmuEX0004233	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Agfg2	MmuEX0004234	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Aggf1	MmuEX0004235	chr13	96134957	96136498	96136664	96138335	-
Agk	MmuEX0004236	chr6	40318674	40323257	40323305	40326221	+
Ag1	MmuEX0004239	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ag1	MmuEX0004240	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ag1	MmuEX0004241	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ag1	MmuEX0004242	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ag1	MmuEX0004243	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ag1	MmuEX0004244	chr3	1.16E+08	1.16E+08	1.16E+08	1.17E+08	-
Ag1	MmuEX0004245	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ag1	MmuEX0004246	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-

Agl	MmuEX0004247	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agl	MmuEX0004248	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agl	MmuEX0004249	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agl	MmuEX0004250	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agl	MmuEX0004251	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agl	MmuEX0004252	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agl	MmuEX0004253	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Agpat1	MmuEX0004255	chr17	34747589	34747817	34747871	34748736	+
Agpat1	MmuEX0004256	chr17	34747950	34748219	34748394	34748550	+
Agpat1	MmuEX0004257	chr17	34747589	34748550	34748645	34748736	+
Agpat2	MmuEX0004258	chr2	26450372	26451600	26451695	26451811	-
Agpat3	MmuEX0004259	chr10	77750818	77792021	77792081	77814958	-
Agpat3	MmuEX0004260	chr10	77740830	77745119	77745221	77745840	-
Agpat3	MmuEX0004261	chr10	77736520	77736817	77737015	77740755	-
Agpat3	MmuEX0004262	chr10	77747095	77747740	77747850	77750592	-
Agpat3	MmuEX0004263	chr10	77792081	77814372	77814456	77814958	-
Agpat4	MmuEX0004264	chr17	12312281	12324371	12324598	12344558	+
Agpat4	MmuEX0004265	chr17	12403658	12406321	12406423	12408142	+
Agpat4	MmuEX0004266	chr17	12344815	12391618	12391787	12403077	+
Agpat5	MmuEX0004267	chr8	18876130	18877472	18877605	18878007	+
Agpat5	MmuEX0004268	chr8	18846778	18861477	18861546	18868893	+
Agpat6	MmuEX0004269	chr8	24286108	24289887	24289972	24290241	-
Agpat9	MmuEX0004270	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agpat9	MmuEX0004271	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agpat9	MmuEX0004272	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agpat9	MmuEX0004273	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agpat9	MmuEX0004274	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agpat9	MmuEX0004275	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agpat9	MmuEX0004276	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Agps	MmuEX0004278	chr2	75670568	75679343	75679395	75689551	+
Agps	MmuEX0004279	chr2	75706470	75715528	75715655	75726173	+
Agps	MmuEX0004280	chr2	75715655	75726173	75726224	75729849	+
Agps	MmuEX0004281	chr2	75726224	75727361	75727409	75729849	+
Agps	MmuEX0004282	chr2	75692662	75695074	75695145	75696956	+
Agps	MmuEX0004283	chr2	75695145	75696956	75697035	75699991	+
Agps	MmuEX0004284	chr2	75670568	75689551	75689640	75692227	+
Agps	MmuEX0004285	chr2	75670568	75690779	75690869	75692227	+
Agps	MmuEX0004286	chr2	75726224	75729849	75729925	75738239	+
Agps	MmuEX0004287	chr2	75726224	75732102	75732214	75738239	+
Agps	MmuEX0004288	chr2	75732214	75738239	75738308	75740975	+
Agrn	MmuEX0004293	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004294	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004295	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004296	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004297	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004298	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004299	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-

Agrn	MmuEX0004300	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004301	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004302	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004303	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004304	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004305	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004306	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004307	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004308	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004309	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004310	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004311	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004312	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004313	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004314	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004315	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004316	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004317	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agrn	MmuEX0004318	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Agtppb1	MmuEX0004319	chr13	59619051	59622760	59622853	59626507	-
Agtppb1	MmuEX0004320	chr13	59609417	59612719	59612872	59613685	-
Agtppb1	MmuEX0004321	chr13	59645812	59653101	59653269	59658584	-
Agtppb1	MmuEX0004322	chr13	59637734	59645748	59645812	59658584	-
Agtppb1	MmuEX0004323	chr13	59583965	59596694	59596842	59596924	-
Agtppb1	MmuEX0004324	chr13	59583965	59595040	59595231	59596694	-
Agtppb1	MmuEX0004325	chr13	59645812	59657041	59657171	59658050	-
Agtppb1	MmuEX0004326	chr13	59615656	59619014	59619051	59626507	-
Agtppb1	MmuEX0004327	chr13	59583965	59609320	59609417	59613685	-
Agtppb1	MmuEX0004328	chr13	59575178	59575893	59576073	59577021	-
Agtppb1	MmuEX0004329	chr13	59551675	59563358	59563534	59567346	-
Agtppb1	MmuEX0004330	chr13	59551675	59561830	59561990	59563358	-
Agtppb1	MmuEX0004331	chr13	59583965	59605555	59605671	59613685	-
Agtppb1	MmuEX0004332	chr13	59583965	59601375	59602063	59613685	-
Agtppb1	MmuEX0004333	chr13	59583965	59598337	59598420	59613685	-
Agtppb1	MmuEX0004334	chr13	59583965	59596924	59597010	59613685	-
Agtppb1	MmuEX0004335	chr13	59578499	59583878	59583965	59596694	-
Agtppb1	MmuEX0004336	chr13	59634600	59637610	59637734	59645748	-
Agtppb1	MmuEX0004337	chr13	59634600	59635306	59635455	59637610	-
Agtppb1	MmuEX0004338	chr13	59629879	59632418	59632564	59633374	-
Agtrap	MmuEX0004340	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Agtrap	MmuEX0004341	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Agxt2l2	MmuEX0004346	chr11	51407188	51407418	51407643	51411778	+
Agxt2l2	MmuEX0004347	chr11	51412242	51412968	51413098	51414071	+
Agxt2l2	MmuEX0004348	chr11	51400222	51404901	51404975	51405508	+
Agxt2l2	MmuEX0004349	chr11	51404975	51405508	51405595	51405671	+
Agxt2l2	MmuEX0004350	chr11	51405787	51406415	51406529	51407106	+
Agxt2l2	MmuEX0004351	chr11	51411932	51412153	51412242	51412968	+

Ahctf1	MmuEX0004352	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004353	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004354	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004355	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004356	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004357	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004358	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004359	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004360	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004361	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahctf1	MmuEX0004362	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	-
Ahcyl1	MmuEX0004363	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ahcyl1	MmuEX0004364	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ahcyl1	MmuEX0004365	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ahcyl2	MmuEX0004366	chr6	29718906	29813140	29813251	29820568	+
Ahcyl2	MmuEX0004367	chr6	29820711	29821186	29821286	29828529	+
Ahcyl2	MmuEX0004368	chr6	29718906	29749439	29749584	29813140	+
Ahcyl2	MmuEX0004369	chr6	29718906	29770329	29770634	29813140	+
Ahcyl2	MmuEX0004370	chr6	29718906	29804016	29804139	29813140	+
Ahcyl2	MmuEX0004371	chr6	29828631	29830549	29830643	29833623	+
Ahcyl2	MmuEX0004372	chr6	29830643	29833623	29833729	29836118	+
Ahcyl2	MmuEX0004373	chr6	29833729	29836118	29836234	29840681	+
Ahdc1	MmuEX0004374	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ahdc1	MmuEX0004375	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ahi1	MmuEX0004376	chr10	20696926	20699186	20699415	20701130	+
Ahi1	MmuEX0004382	chr10	20720511	20737719	20737839	20760992	+
Ahnak	MmuEX0004386	chr19	9063919	9074152	9074262	9074590	+
Ahnak	MmuEX0004387	chr19	9111748	9120115	9120206	9121126	+
Ahnak	MmuEX0004388	chr19	9120206	9121126	9121355	9151066	+
Ahnak	MmuEX0004389	chr19	9075353	9111649	9111748	9120115	+
Ahnak	MmuEX0004390	chr19	9075353	9076189	9081150	9111649	+
Ahnak	MmuEX0004391	chr19	9075353	9083551	9083778	9111649	+
Ahnak	MmuEX0004392	chr19	9075353	9084157	9084399	9111649	+
Ahnak	MmuEX0004393	chr19	9075353	9084958	9086621	9111649	+
Ahnak	MmuEX0004394	chr19	9075353	9087385	9087502	9111649	+
Ahnak	MmuEX0004395	chr19	9075353	9089524	9091260	9111649	+
Ahsa1	MmuEX0004400	chr12	88607871	88609105	88609295	88610825	+
Ahsa1	MmuEX0004401	chr12	88613650	88614073	88614174	88614397	+
Ahsa2	MmuEX0004402	chr11	23393393	23394979	23395064	23396691	-
Ahsa2	MmuEX0004403	chr11	23392306	23393279	23393393	23394979	-
Ahsg	MmuEX0004404	chr16	22894508	22894868	22894952	22895267	+
Aif1	MmuEX0004405	chr17	35308521	35308708	35308749	35309073	-
Aif1	MmuEX0004406	chr17	35308138	35308359	35308521	35308708	-
Aifm1	MmuEX0004410	chrX	45853048	45857987	45858129	45866413	-
Aifm1	MmuEX0004411	chrX	45853048	45856760	45856890	45866413	-
Aifm1	MmuEX0004412	chrX	45835282	45835899	45835987	45836332	-
Aifm1	MmuEX0004413	chrX	45839407	45847916	45848006	45850257	-

Aifm2	MmuEX0004414	chr10	61190514	61190877	61190969	61195071	+
Aifm2	MmuEX0004415	chr10	61190969	61195071	61195179	61197025	+
Aig1	MmuEX0004428	chr10	13367512	13373392	13373555	13410330	-
Aig1	MmuEX0004429	chr10	13549204	13549434	13549635	13588424	-
Aig1	MmuEX0004430	chr10	13521755	13549049	13549204	13588424	-
Aig1	MmuEX0004431	chr10	13410445	13521654	13521755	13549049	-
Aim2	MmuEX0004437	chr1	1.75E+08	1.75E+08	1.75E+08	1.75E+08	+
Aim2	MmuEX0004438	chr1	1.75E+08	1.75E+08	1.75E+08	1.75E+08	+
Aim2	MmuEX0004441	chr1	1.75E+08	1.75E+08	1.75E+08	1.75E+08	+
Aimp2	MmuEX0004446	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Airn	MmuEX0004452	chr17	12934290	13051973	13052118	13052407	+
Ak1	MmuEX0004455	chr2	32486712	32488314	32488481	32488814	+
Akap1	MmuEX0004469	chr11	88693684	88694456	88694529	88695976	-
Akap1	MmuEX0004470	chr11	88705010	88705126	88705138	88705573	-
Akap1	MmuEX0004471	chr11	88702616	88704904	88705010	88705573	-
Akap10	MmuEX0004472	chr11	61723448	61728526	61729083	61729586	-
Akap10	MmuEX0004473	chr11	61729768	61736284	61736331	61743491	-
Akap10	MmuEX0004474	chr11	61700284	61703740	61703849	61706882	-
Akap10	MmuEX0004475	chr11	61691528	61700202	61700284	61703740	-
Akap10	MmuEX0004476	chr11	61713948	61718277	61718361	61723350	-
Akap10	MmuEX0004477	chr11	61713948	61717409	61717532	61723350	-
Akap11	MmuEX0004478	chr14	78914127	78914614	78914878	78916130	-
Akap11	MmuEX0004479	chr14	78902832	78907532	78907687	78909687	-
Akap11	MmuEX0004480	chr14	78895753	78898642	78898802	78901997	-
Akap11	MmuEX0004481	chr14	78918703	78922398	78922509	78936519	-
Akap11	MmuEX0004482	chr14	78916264	78917980	78918027	78918587	-
Akap11	MmuEX0004483	chr14	78916264	78916750	78916855	78917980	-
Akap11	MmuEX0004484	chr14	78902043	78902746	78902829	78907532	-
Akap13	MmuEX0004486	chr7	82808373	82811398	82811534	82821992	+
Akap13	MmuEX0004487	chr7	82714917	82724388	82724684	82731043	+
Akap13	MmuEX0004488	chr7	82724684	82731043	82731226	82747672	+
Akap13	MmuEX0004489	chr7	82888422	82888851	82888895	82891646	+
Akap13	MmuEX0004490	chr7	82822365	82824706	82824759	82830003	+
Akap13	MmuEX0004491	chr7	82822365	82828280	82828345	82830003	+
Akap6	MmuEX0004499	chr12	54126828	54170094	54170240	54173277	+
Akap6	MmuEX0004500	chr12	54173498	54205502	54205717	54240368	+
Akap6	MmuEX0004501	chr12	54205717	54240368	54243755	54248798	+
Akap7	MmuEX0004502	chr10	24891054	24940417	24940564	24959432	-
Akap7	MmuEX0004503	chr10	24891054	24917472	24917540	24919803	-
Akap7	MmuEX0004504	chr10	24940564	24959432	24959544	24987114	-
Akap7	MmuEX0004505	chr10	24987274	24991311	24991447	25003699	-
Akap8	MmuEX0004506	chr17	32449318	32450050	32450207	32451056	-
Akap8	MmuEX0004507	chr17	32454291	32454791	32454823	32455716	-
Akap8	MmuEX0004508	chr17	32453612	32454012	32454291	32454791	-
Akap8l	MmuEX0004509	chr17	32475459	32475736	32475768	32482269	-
Akap8l	MmuEX0004510	chr17	32470089	32470851	32470990	32471533	-
Akap8l	MmuEX0004511	chr17	32458936	32469424	32469554	32469756	-

Akap8l	MmuEX0004512	chr17	32473683	32475216	32475299	32475397	-
Akap8l	MmuEX0004513	chr17	32475768	32482269	32482343	32487432	-
Akap8l	MmuEX0004514	chr17	32471641	32472056	32472115	32472508	-
Akap9	MmuEX0004515	chr5	3962457	3968580	3968793	3970664	+
Akap9	MmuEX0004516	chr5	3976326	3981118	3981214	3992046	+
Akap9	MmuEX0004517	chr5	3992138	3997257	3997471	4001405	+
Akap9	MmuEX0004518	chr5	3992138	4001405	4001758	4003561	+
Akap9	MmuEX0004519	chr5	4008549	4013850	4014079	4028374	+
Akap9	MmuEX0004520	chr5	4030052	4031111	4031149	4032681	+
Akap9	MmuEX0004521	chr5	4032913	4034748	4034867	4038529	+
Akap9	MmuEX0004522	chr5	4034867	4038529	4038705	4039239	+
Akap9	MmuEX0004523	chr5	4046941	4049535	4049672	4050155	+
Akap9	MmuEX0004524	chr5	4055352	4055592	4055768	4058436	+
Akap9	MmuEX0004525	chr5	3951734	3954792	3954962	3956157	+
Akap9	MmuEX0004526	chr5	3970737	3971902	3972037	3972756	+
Akap9	MmuEX0004527	chr5	4014079	4028374	4028536	4029840	+
Akap9	MmuEX0004528	chr5	4044070	4044799	4044978	4045898	+
Akap9	MmuEX0004529	chr5	4077315	4077828	4077967	4079659	+
Akap9	MmuEX0004530	chr5	3951734	3954397	3954450	3954792	+
Akap9	MmuEX0004531	chr5	3981214	3992046	3992138	4001405	+
Akap9	MmuEX0004532	chr5	4001758	4003561	4003782	4005410	+
Akap9	MmuEX0004533	chr5	4003782	4004803	4004943	4005410	+
Akna	MmuEX0004535	chr4	63042963	63043377	63043504	63044921	-
Akna	MmuEX0004536	chr4	63032045	63032831	63032926	63034357	-
Akna	MmuEX0004537	chr4	63031686	63031926	63032045	63034357	-
Akr1e1	MmuEX0004553	chr13	4600541	4601927	4602043	4606637	-
Akr1e1	MmuEX0004554	chr13	4592544	4592808	4592890	4594317	-
Akr1e1	MmuEX0004555	chr13	4602043	4606637	4606804	4608331	-
Akr7a5	MmuEX0004556	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Akr7a5	MmuEX0004557	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Akt1	MmuEX0004558	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Akt1	MmuEX0004559	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Akt2	MmuEX0004560	chr7	28376898	28392262	28392424	28393642	+
Akt2	MmuEX0004562	chr7	28401174	28401260	28401287	28403227	+
Akt3	MmuEX0004563	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Akt3	MmuEX0004564	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Akt3	MmuEX0004565	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Akt3	MmuEX0004566	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Akt3	MmuEX0004567	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Akt3	MmuEX0004568	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Akt3	MmuEX0004569	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Aktip	MmuEX0004570	chr8	93653704	93654940	93655047	93657799	-
Alas1	MmuEX0004571	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Alas1	MmuEX0004572	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Alas2	MmuEX0004574	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Aldh16a1	MmuEX0004577	chr7	52404110	52405034	52405136	52409762	-
Aldh16a1	MmuEX0004578	chr7	52398668	52399883	52400084	52400237	-

Aldh16a1	MmuEX0004579	chr7	52397472	52398483	52398668	52399883	-
Aldh16a1	MmuEX0004580	chr7	52397472	52398150	52398272	52399883	-
Aldh18a1	MmuEX0004581	chr19	40628109	40629081	40629267	40631909	-
Aldh18a1	MmuEX0004582	chr19	40642885	40644958	40645082	40648261	-
Aldh18a1	MmuEX0004583	chr19	40642885	40643523	40643667	40644958	-
Aldh18a1	MmuEX0004584	chr19	40660095	40660617	40660682	40662800	-
Aldh1a1	MmuEX0004585	chr19	20568014	20627589	20627690	20676488	+
Aldh1a1	MmuEX0004587	chr19	20634354	20676488	20676567	20685403	+
Aldh1l1	MmuEX0004590	chr6	90546967	90548180	90548379	90548881	+
Aldh1l1	MmuEX0004591	chr6	90541893	90544477	90544642	90546862	+
Aldh1l2	MmuEX0004595	chr10	82958836	82960217	82960315	82962584	-
Aldh3a2	MmuEX0004598	chr11	61061543	61061921	61061984	61062364	-
Aldh3a2	MmuEX0004599	chr11	61064544	61067126	61067292	61070241	-
Aldh3b1	MmuEX0004601	chr19	3914084	3915294	3915393	3918042	-
Aldh3b1	MmuEX0004602	chr19	3918989	3920797	3920878	3921183	-
Aldh4a1	MmuEX0004603	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Aldh4a1	MmuEX0004604	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Aldh4a1	MmuEX0004605	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Aldh4a1	MmuEX0004606	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Aldh4a1	MmuEX0004607	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Aldh5a1	MmuEX0004608	chr13	25018017	25019410	25019493	25029120	-
Aldh5a1	MmuEX0004609	chr13	25003635	25004117	25004175	25005613	-
Aldh6a1	MmuEX0004610	chr12	85773498	85774382	85774480	85774806	-
Aldh6a1	MmuEX0004611	chr12	85782874	85783021	85783095	85784679	-
Aldh7a1	MmuEX0004612	chr18	56710894	56718876	56718941	56720430	-
Aldh7a1	MmuEX0004613	chr18	56691751	56692142	56692248	56693844	-
Aldh7a1	MmuEX0004614	chr18	56718941	56720430	56720483	56721687	-
Aldh7a1	MmuEX0004615	chr18	56698396	56701879	56701976	56704619	-
Aldh9a1	MmuEX0004616	chr1	1.69E+08	1.69E+08	1.69E+08	1.69E+08	+
Aldh9a1	MmuEX0004617	chr1	1.69E+08	1.69E+08	1.69E+08	1.69E+08	+
Aldh9a1	MmuEX0004618	chr1	1.69E+08	1.69E+08	1.69E+08	1.69E+08	+
Aldoa	MmuEX0004621	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Alg1	MmuEX0004624	chr16	5240275	5240552	5240611	5241379	+
Alg1	MmuEX0004625	chr16	5240611	5241379	5241489	5242582	+
Alg1	MmuEX0004626	chr16	5240120	5240237	5240275	5240552	+
Alg11	MmuEX0004627	chr8	23171242	23172358	23172588	23175472	+
Alg12	MmuEX0004628	chr15	88637151	88642486	88642589	88644859	-
Alg12	MmuEX0004629	chr15	88637151	88641727	88641950	88644859	-
Alg12	MmuEX0004630	chr15	88636904	88636988	88637151	88644859	-
Alg13	MmuEX0004634	chrX	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Alg13	MmuEX0004635	chrX	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Alg13	MmuEX0004638	chrX	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Alg13	MmuEX0004639	chrX	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Alg14	MmuEX0004642	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Alg14	MmuEX0004643	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Alg14	MmuEX0004644	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Alg3	MmuEX0004645	chr16	20608962	20609060	20609159	20610616	-

Alg3	MmuEX0004646	chr16	20605790	20606833	20607038	20607837	-
Alg3	MmuEX0004647	chr16	20605790	20606599	20606675	20606833	-
Alg3	MmuEX0004648	chr16	20605790	20605935	20606079	20606599	-
Alg3	MmuEX0004649	chr16	20607957	20608559	20608719	20608815	-
Alg5	MmuEX0004650	chr3	54539571	54541355	54541437	54542704	+
Alg5	MmuEX0004651	chr3	54549088	54549518	54549633	54550388	+
Alg6	MmuEX0004654	chr4	99417490	99419508	99419576	99428562	+
Alg6	MmuEX0004655	chr4	99419576	99419684	99419882	99428562	+
Alg8	MmuEX0004663	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Alg8	MmuEX0004664	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Alg8	MmuEX0004665	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Alg9	MmuEX0004666	chr9	50597737	50600168	50600255	50600407	+
Alg9	MmuEX0004667	chr9	50616911	50630690	50630820	50650839	+
Alg9	MmuEX0004668	chr9	50587209	50591363	50591433	50596258	+
Alg9	MmuEX0004669	chr9	50591433	50595686	50595787	50596258	+
Alg9	MmuEX0004670	chr9	50587209	50596258	50596346	50597602	+
Alg9	MmuEX0004671	chr9	50600512	50608224	50608346	50610043	+
Alg9	MmuEX0004672	chr9	50608346	50610043	50610197	50613407	+
Alkbh1	MmuEX0004676	chr12	88772488	88774773	88774845	88775069	-
Alkbh1	MmuEX0004677	chr12	88770220	88772350	88772486	88775069	-
Alkbh1	MmuEX0004678	chr12	88781364	88782593	88782730	88784592	-
Alkbh1	MmuEX0004679	chr12	88781364	88782221	88782293	88784592	-
Alkbh1	MmuEX0004680	chr12	88779509	88781256	88781364	88784592	-
Alkbh2	MmuEX0004681	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Alkbh2	MmuEX0004682	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Alkbh3	MmuEX0004683	chr2	93848749	93850420	93850565	93850840	-
Alkbh3	MmuEX0004684	chr2	93848299	93848600	93848749	93850840	-
Alkbh3	MmuEX0004685	chr2	93821771	93836340	93836549	93841582	-
Alkbh3	MmuEX0004686	chr2	93821771	93823851	93823933	93824857	-
Alkbh3	MmuEX0004687	chr2	93844937	93845844	93845994	93847004	-
Alkbh3	MmuEX0004688	chr2	93844937	93847004	93847038	93848196	-
Alkbh3	MmuEX0004689	chr2	93836549	93844890	93844934	93848196	-
Alkbh3	MmuEX0004690	chr2	93836549	93841582	93841670	93843210	-
Alkbh6	MmuEX0004691	chr7	31093853	31093873	31093953	31094500	+
Alkbh6	MmuEX0004692	chr7	31096919	31097256	31097407	31097610	+
Alkbh6	MmuEX0004693	chr7	31093853	31094500	31094578	31095005	+
Alkbh6	MmuEX0004694	chr7	31097407	31097610	31097726	31098938	+
Alkbh6	MmuEX0004695	chr7	31097726	31098492	31098617	31098938	+
Alkbh7	MmuEX0004696	chr17	57136990	57137812	57137985	57138094	+
Alkbh7	MmuEX0004697	chr17	57137985	57138094	57138218	57138353	+
Alkbh8	MmuEX0004698	chr9	3335594	3338456	3338591	3343015	+
Alkbh8	MmuEX0004700	chr9	3359590	3367864	3367980	3369658	+
Alkbh8	MmuEX0004701	chr9	3345876	3347262	3347409	3347804	+
Alkbh8	MmuEX0004702	chr9	3345876	3347804	3347908	3349358	+
Alox12	MmuEX0004712	chr11	70060848	70063549	70063758	70064952	-
Alox12	MmuEX0004713	chr11	70056579	70059363	70059484	70060397	-
Alox12	MmuEX0004714	chr11	70060566	70060762	70060848	70063549	-

Alox5	MmuEX0004718	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Alox5	MmuEX0004719	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Alox5ap	MmuEX0004720	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Alox5ap	MmuEX0004721	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Alpk1	MmuEX0004728	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Alpk1	MmuEX0004729	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Alpk2	MmuEX0004734	chr18	65425944	65436300	65436348	65440532	-
Alpk3	MmuEX0004735	chr7	88239940	88240288	88240415	88240544	+
Alpk3	MmuEX0004736	chr7	88202658	88208835	88208873	88212765	+
Alpl	MmuEX0004737	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Als2	MmuEX0004738	chr1	59259941	59263363	59263440	59264604	-
Als2	MmuEX0004739	chr1	59259941	59260269	59260307	59263363	-
Als2	MmuEX0004740	chr1	59259941	59260407	59260545	59263363	-
Als2	MmuEX0004741	chr1	59256035	59259759	59259941	59263363	-
Als2	MmuEX0004742	chr1	59256035	59259126	59259168	59259759	-
Als2	MmuEX0004743	chr1	59250942	59253035	59253215	59255864	-
Als2	MmuEX0004744	chr1	59225278	59226681	59226857	59227281	-
Als2	MmuEX0004745	chr1	59224456	59224995	59225056	59225233	-
Als2	MmuEX0004746	chr1	59264700	59265793	59265961	59267975	-
Als2	MmuEX0004747	chr1	59272865	59274771	59274925	59277219	-
Als2cl	MmuEX0004748	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004749	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004750	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004751	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004752	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004753	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004754	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cl	MmuEX0004755	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Als2cr4	MmuEX0004764	chr1	59164371	59164882	59165073	59165519	-
Amacr	MmuEX0004767	chr15	10914601	10918514	10918700	10924595	+
Ambra1	MmuEX0004768	chr2	91664697	91665409	91665509	91715873	+
Ambra1	MmuEX0004769	chr2	91740794	91750064	91750137	91750454	+
Ambra1	MmuEX0004770	chr2	91727135	91740655	91740794	91750454	+
Ambra1	MmuEX0004771	chr2	91613904	91645181	91645267	91650187	+
Ambra1	MmuEX0004772	chr2	91613904	91650187	91650366	91664617	+
Amdhd2	MmuEX0004774	chr17	24300082	24300163	24300299	24300549	-
Amdhd2	MmuEX0004775	chr17	24293639	24294084	24294320	24294495	-
Amdhd2	MmuEX0004776	chr17	24293639	24294495	24294563	24294707	-
Amdhd2	MmuEX0004777	chr17	24295661	24298549	24298680	24299943	-
Amdhd2	MmuEX0004778	chr17	24295489	24295607	24295661	24299943	-
Amfr	MmuEX0004781	chr8	96500068	96504218	96504321	96507212	-
Ammecr1	MmuEX0004789	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Ammecr1	MmuEX0004790	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Ammecr1	MmuEX0004791	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Ammecr1l	MmuEX0004792	chr18	31919848	31921434	31921544	31931324	+
Ammecr1l	MmuEX0004793	chr18	31938607	31939550	31939603	31939696	+
Ammecr1l	MmuEX0004794	chr18	31938607	31939696	31939823	31940298	+

Ammechr1l	MmuEX0004795	chr18	31921544	31923475	31923680	31931324	+
Ammechr1l	MmuEX0004796	chr18	31935731	31936444	31936514	31938511	+
Amn1	MmuEX0004798	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Amn1	MmuEX0004799	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Amn1	MmuEX0004800	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Amn1	MmuEX0004801	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Amot	MmuEX0004802	chrX	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Amotl1	MmuEX0004803	chr9	14398155	14400895	14401044	14419178	-
Amotl1	MmuEX0004804	chr9	14379883	14397198	14398152	14400895	-
Amotl2	MmuEX0004806	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Amotl2	MmuEX0004807	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Amotl2	MmuEX0004808	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Ampd2	MmuEX0004813	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ampd2	MmuEX0004814	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ampd3	MmuEX0004815	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Ampd3	MmuEX0004816	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Ampd3	MmuEX0004817	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Ampd3	MmuEX0004818	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Ampd3	MmuEX0004819	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Ampd3	MmuEX0004820	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Amz2	MmuEX0004829	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Amz2	MmuEX0004830	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Anapc1	MmuEX0004831	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004832	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004833	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Anapc1	MmuEX0004834	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004835	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004836	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004837	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004838	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004839	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004840	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004841	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004842	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004843	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Anapc1	MmuEX0004844	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Anapc1	MmuEX0004845	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Anapc1	MmuEX0004846	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Anapc1	MmuEX0004847	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Anapc10	MmuEX0004848	chr8	82243647	82253029	82253149	82298831	+
Anapc10	MmuEX0004849	chr8	82253149	82256680	82256711	82298831	+
Anapc13	MmuEX0004850	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Anapc16	MmuEX0004851	chr10	59459362	59465166	59465215	59465704	-
Anapc16	MmuEX0004852	chr10	59453655	59459196	59459362	59465704	-
Anapc2	MmuEX0004853	chr2	25133273	25133844	25134025	25134692	+
Anapc2	MmuEX0004854	chr2	25134833	25135647	25135722	25135803	+
Anapc4	MmuEX0004855	chr5	53233307	53234060	53234144	53234726	+

Anapc4	MmuEX0004856	chr5	53239875	53239994	53240070	53241697	+
Anapc5	MmuEX0004857	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Anapc5	MmuEX0004858	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Anapc5	MmuEX0004859	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Anapc7	MmuEX0004860	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Angel1	MmuEX0004861	chr12	88058791	88061180	88061613	88062261	-
Angel1	MmuEX0004862	chr12	88062330	88062791	88063017	88063795	-
Angel2	MmuEX0004864	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Angel2	MmuEX0004865	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Angel2	MmuEX0004866	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Angel2	MmuEX0004867	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Angpt1	MmuEX0004868	chr15	42308051	42327776	42328005	42507711	-
Angpt1	MmuEX0004869	chr15	42299803	42307924	42308051	42327773	-
Angpt1	MmuEX0004870	chr15	42269951	42291213	42291379	42299702	-
Angptl2	MmuEX0004874	chr2	33071973	33083086	33083144	33083695	+
Angptl2	MmuEX0004875	chr2	33071973	33083695	33084552	33097720	+
Angptl2	MmuEX0004876	chr2	33097913	33099199	33099469	33101607	+
Angptl3	MmuEX0004877	chr4	98701249	98701520	98701615	98704061	+
Angptl3	MmuEX0004878	chr4	98701615	98704061	98704327	98704524	+
Angptl6	MmuEX0004879	chr9	20679880	20679958	20680145	20680836	-
Ank	MmuEX0004881	chr15	27492649	27494657	27494791	27497270	+
Ank1	MmuEX0004885	chr8	24251776	24252068	24252192	24258753	+
Ank2	MmuEX0004888	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004890	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004891	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004892	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004894	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004895	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004896	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004897	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004898	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004899	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004900	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004901	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004902	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004903	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank2	MmuEX0004904	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ank3	MmuEX0004905	chr10	69418898	69419416	69419514	69421666	+
Ank3	MmuEX0004906	chr10	69436681	69438796	69439003	69440461	+
Ank3	MmuEX0004907	chr10	69467739	69469551	69469601	69476720	+
Ank3	MmuEX0004908	chr10	69476803	69476938	69476994	69478316	+
Ank3	MmuEX0004909	chr10	69285141	69285826	69285849	69287066	+
Ank3	MmuEX0004910	chr10	69390566	69392195	69392206	69395142	+
Ank3	MmuEX0004911	chr10	69478401	69484627	69484629	69486580	+
Ank3	MmuEX0004912	chr10	68997032	69340578	69340676	69395142	+
Ank3	MmuEX0004913	chr10	69340676	69342641	69342739	69395142	+
Ank3	MmuEX0004914	chr10	69342739	69345109	69345306	69395142	+

Ank3	MmuEX0004915	chr10	69345306	69347495	69347593	69395142	+
Ank3	MmuEX0004916	chr10	69347593	69347887	69347985	69355070	+
Ank3	MmuEX0004917	chr10	69347985	69355070	69355267	69395142	+
Ank3	MmuEX0004918	chr10	69355267	69356193	69356291	69395142	+
Ank3	MmuEX0004919	chr10	69356291	69360789	69360887	69395142	+
Ank3	MmuEX0004920	chr10	69360887	69360976	69361074	69395142	+
Ank3	MmuEX0004921	chr10	69361074	69361742	69361837	69395142	+
Ank3	MmuEX0004922	chr10	69361837	69366946	69367018	69395142	+
Ank3	MmuEX0004923	chr10	69367018	69367196	69367258	69390443	+
Ank3	MmuEX0004924	chr10	69367258	69383186	69383239	69390443	+
Ank3	MmuEX0004925	chr10	69367018	69390443	69390566	69395142	+
Ank3	MmuEX0004926	chr10	69390566	69395157	69395244	69413700	+
Ank3	MmuEX0004927	chr10	68997032	69278443	69278541	69312854	+
Ank3	MmuEX0004928	chr10	69278541	69284956	69285141	69287066	+
Ank3	MmuEX0004929	chr10	68997032	69287066	69287164	69312854	+
Ank3	MmuEX0004930	chr10	68997032	69333750	69333947	69413700	+
Ank3	MmuEX0004931	chr10	69443142	69443572	69443598	69444864	+
Ank3	MmuEX0004932	chr10	69443142	69444864	69444909	69448831	+
Ank3	MmuEX0004933	chr10	69444945	69448831	69451380	69457120	+
Ank3	MmuEX0004934	chr10	69413806	69416188	69416220	69418674	+
Ankfy1	MmuEX0004944	chr11	72554103	72558860	72559006	72560358	+
Ankfy1	MmuEX0004945	chr11	72560455	72562802	72563030	72563582	+
Ankfy1	MmuEX0004946	chr11	72544123	72545750	72545915	72551754	+
Ankfy1	MmuEX0004947	chr11	72545915	72551754	72551958	72553491	+
Ankfy1	MmuEX0004948	chr11	72570971	72571955	72572102	72573418	+
Ankfy1	MmuEX0004949	chr11	72503536	72525659	72525851	72527867	+
Ankfy1	MmuEX0004950	chr11	72527985	72536130	72536265	72542263	+
Ankhd1	MmuEX0004951	chr18	36784921	36785658	36785811	36791721	+
Ankhd1	MmuEX0004952	chr18	36785811	36788131	36788261	36791721	+
Ankhd1	MmuEX0004953	chr18	36791866	36792004	36792115	36792362	+
Ankhd1	MmuEX0004954	chr18	36794459	36795259	36795319	36797859	+
Ankhd1	MmuEX0004955	chr18	36798034	36798200	36798362	36799919	+
Ankhd1	MmuEX0004956	chr18	36798362	36799919	36800014	36801231	+
Ankhd1	MmuEX0004957	chr18	36801347	36802580	36802748	36803915	+
Ankhd1	MmuEX0004958	chr18	36804368	36804759	36804893	36806345	+
Ankhd1	MmuEX0004959	chr18	36808394	36813747	36813920	36815077	+
Ankhd1	MmuEX0004960	chr18	36815331	36816340	36816488	36817628	+
Ankhd1	MmuEX0004961	chr18	36743413	36749002	36749235	36751101	+
Ankhd1	MmuEX0004962	chr18	36738428	36740722	36740869	36743266	+
Ankhd1	MmuEX0004963	chr18	36774471	36784163	36784921	36791721	+
Ankhd1	MmuEX0004964	chr18	36800014	36801053	36801132	36801231	+
Ankib1	MmuEX0004965	chr5	3704592	3704788	3704874	3706189	-
Ankib1	MmuEX0004966	chr5	3694893	3700356	3700407	3701805	-
Ankib1	MmuEX0004967	chr5	3701983	3702892	3703037	3704526	-
Ankib1	MmuEX0004968	chr5	3722634	3725987	3726123	3727489	-
Ankib1	MmuEX0004969	chr5	3713238	3722546	3722634	3727489	-
Ankib1	MmuEX0004970	chr5	3734184	3772517	3772787	3802597	-

Ankib1	MmuEX0004971	chr5	3734184	3769429	3769711	3802597	-
Ankib1	MmuEX0004972	chr5	3734184	3755594	3755776	3802597	-
Ankib1	MmuEX0004973	chr5	3734184	3747021	3747138	3755594	-
Ankle2	MmuEX0004976	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ankle2	MmuEX0004977	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ankle2	MmuEX0004978	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ankle2	MmuEX0004979	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ankmy2	MmuEX0004981	chr12	36892521	36896765	36896843	36897036	+
Ankmy2	MmuEX0004982	chr12	36892521	36897036	36897174	36903167	+
Ankmy2	MmuEX0004983	chr12	36897174	36903167	36903265	36908935	+
Ankmy2	MmuEX0004984	chr12	36909095	36913313	36913527	36914237	+
Ankra2	MmuEX0004985	chr13	99038450	99041010	99041107	99041609	+
Ankra2	MmuEX0004986	chr13	99041107	99041609	99041734	99042181	+
Ankra2	MmuEX0004987	chr13	99033431	99036106	99036487	99037271	+
Ankrd10	MmuEX0004988	chr8	11615910	11616706	11616841	11619062	-
Ankrd10	MmuEX0004989	chr8	11612947	11613615	11613617	11615815	-
Ankrd10	MmuEX0004990	chr8	11628530	11632866	11633018	11635411	-
Ankrd10	MmuEX0004991	chr8	11619297	11623697	11623858	11628439	-
Ankrd10	MmuEX0004992	chr8	11619297	11620262	11620373	11628439	-
Ankrd10	MmuEX0004993	chr8	11615910	11619062	11619297	11628439	-
Ankrd11	MmuEX0004994	chr8	1.25E+08	1.25E+08	1.25E+08	1.26E+08	-
Ankrd11	MmuEX0004995	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd11	MmuEX0004996	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd11	MmuEX0004998	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd11	MmuEX0004999	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd11	MmuEX0005000	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd11	MmuEX0005001	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd11	MmuEX0005002	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ankrd12	MmuEX0005003	chr17	66328940	66331412	66331489	66332176	-
Ankrd12	MmuEX0005004	chr17	66321732	66325361	66325504	66328842	-
Ankrd12	MmuEX0005005	chr17	66317514	66319490	66319677	66321637	-
Ankrd12	MmuEX0005006	chr17	66328940	66332176	66336833	66373416	-
Ankrd12	MmuEX0005007	chr17	66314518	66321637	66321732	66325361	-
Ankrd13a	MmuEX0005011	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ankrd13a	MmuEX0005012	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ankrd13b	MmuEX0005013	chr11	77285380	77285516	77285595	77285804	-
Ankrd13c	MmuEX0005014	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005015	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005016	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005017	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005018	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005019	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005020	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd13c	MmuEX0005021	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ankrd16	MmuEX0005028	chr2	11706079	11707851	11707929	11711361	+
Ankrd16	MmuEX0005029	chr2	11701524	11703104	11703146	11705268	+
Ankrd16	MmuEX0005030	chr2	11703146	11704271	11704346	11705268	+

Ankrd16	MmuEX0005031	chr2	11706079	11706797	11706887	11707851	+
Ankrd16	MmuEX0005032	chr2	11707929	11709032	11709198	11711361	+
Ankrd17	MmuEX0005033	chr5	90724843	90727012	90727159	90727565	-
Ankrd17	MmuEX0005034	chr5	90683836	90687459	90687575	90689110	-
Ankrd17	MmuEX0005035	chr5	90659995	90661266	90661444	90662926	-
Ankrd17	MmuEX0005036	chr5	90727712	90729014	90729170	90732937	-
Ankrd17	MmuEX0005037	chr5	90658366	90659831	90659995	90661266	-
Ankrd17	MmuEX0005038	chr5	90707416	90711876	90712628	90714066	-
Ankrd23	MmuEX0005040	chr1	36589245	36589426	36589551	36590832	-
Ankrd23	MmuEX0005041	chr1	36588666	36588754	36588852	36588957	-
Ankrd23	MmuEX0005042	chr1	36588486	36588568	36588666	36588957	-
Ankrd23	MmuEX0005043	chr1	36591282	36593342	36593401	36596057	-
Ankrd24	MmuEX0005051	chr10	81106638	81107721	81107888	81109050	+
Ankrd24	MmuEX0005052	chr10	81109178	81109538	81109603	81109845	+
Ankrd26	MmuEX0005060	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd26	MmuEX0005061	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd26	MmuEX0005065	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd26	MmuEX0005066	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd26	MmuEX0005067	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd26	MmuEX0005068	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd26	MmuEX0005069	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ankrd27	MmuEX0005070	chr7	36389308	36390802	36390923	36392120	+
Ankrd27	MmuEX0005071	chr7	36390923	36392120	36392198	36393340	+
Ankrd27	MmuEX0005072	chr7	36397574	36399474	36399601	36400047	+
Ankrd27	MmuEX0005073	chr7	36405681	36407324	36407368	36410666	+
Ankrd27	MmuEX0005074	chr7	36407368	36410666	36410785	36412423	+
Ankrd27	MmuEX0005075	chr7	36385444	36385981	36386074	36386509	+
Ankrd27	MmuEX0005076	chr7	36418067	36421250	36421328	36421549	+
Ankrd27	MmuEX0005077	chr7	36387601	36388574	36388633	36388718	+
Ankrd27	MmuEX0005078	chr7	36393477	36397482	36397574	36399474	+
Ankrd27	MmuEX0005079	chr7	36416323	36417956	36418067	36421250	+
Ankrd27	MmuEX0005080	chr7	36376901	36385334	36385444	36386509	+
Ankrd27	MmuEX0005081	chr7	36376901	36386525	36386665	36387447	+
Ankrd28	MmuEX0005082	chr14	32577518	32592108	32592191	32643513	-
Ankrd28	MmuEX0005083	chr14	32550024	32556409	32556621	32558407	-
Ankrd28	MmuEX0005084	chr14	32528621	32531192	32531417	32532527	-
Ankrd28	MmuEX0005085	chr14	32524362	32524565	32524631	32525115	-
Ankrd28	MmuEX0005086	chr14	32568989	32577440	32577518	32592108	-
Ankrd28	MmuEX0005087	chr14	32562029	32568919	32568989	32577440	-
Ankrd28	MmuEX0005088	chr14	32556621	32561829	32562029	32568919	-
Ankrd28	MmuEX0005089	chr14	32556621	32560099	32560186	32561829	-
Ankrd28	MmuEX0005090	chr14	32556621	32558407	32558549	32560099	-
Ankrd29	MmuEX0005092	chr18	12413210	12419443	12419541	12420621	-
Ankrd29	MmuEX0005097	chr18	12427057	12434215	12434313	12438199	-
Ankrd32	MmuEX0005099	chr13	77265701	77265862	77265975	77274614	-
Ankrd32	MmuEX0005100	chr13	77206008	77229566	77229729	77230446	-
Ankrd32	MmuEX0005101	chr13	77206008	77223593	77223721	77229566	-

Ankrd32	MmuEX0005102	chr13	77206008	77222702	77222867	77223593	-
Ankrd32	MmuEX0005103	chr13	77190555	77205861	77206008	77222702	-
Ankrd32	MmuEX0005104	chr13	77189302	77190410	77190555	77205861	-
Ankrd32	MmuEX0005105	chr13	77186463	77189139	77189302	77190410	-
Ankrd32	MmuEX0005106	chr13	77245365	77251833	77251995	77264491	-
Ankrd32	MmuEX0005107	chr13	77240317	77243795	77243938	77245237	-
Ankrd32	MmuEX0005108	chr13	77240317	77242742	77242885	77243795	-
Ankrd32	MmuEX0005109	chr13	77206008	77231619	77231672	77240183	-
Ankrd32	MmuEX0005110	chr13	77229729	77230446	77230604	77231619	-
Ankrd33b	MmuEX0005113	chr15	31234887	31254841	31254970	31296794	-
Ankrd33b	MmuEX0005114	chr15	31227739	31234747	31234887	31254841	-
Ankrd37	MmuEX0005127	chr8	47083174	47083751	47083842	47084605	-
Ankrd46	MmuEX0005144	chr15	36409228	36412195	36412330	36413736	-
Ankrd50	MmuEX0005148	chr3	38382489	38382853	38382906	38383593	-
Ankrd50	MmuEX0005149	chr3	38356507	38361822	38362051	38381613	-
Ankrd50	MmuEX0005150	chr3	38351427	38352963	38356507	38361822	-
Ankrd52	MmuEX0005151	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ankrd52	MmuEX0005152	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ankrd52	MmuEX0005153	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ankrd52	MmuEX0005154	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ankrd52	MmuEX0005155	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ankrd52	MmuEX0005156	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ankrd54	MmuEX0005158	chr15	78885972	78886444	78886515	78888385	-
Ankrd54	MmuEX0005159	chr15	78884514	78884696	78884744	78884926	-
Ankrd54	MmuEX0005160	chr15	78886515	78888385	78888478	78891594	-
Ankrd6	MmuEX0005171	chr4	32897286	32902210	32902362	32903886	-
Ankrd6	MmuEX0005172	chr4	32904525	32905580	32905684	32908232	-
Ankrd9	MmuEX0005174	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Anks1	MmuEX0005175	chr17	28132999	28144794	28145377	28175025	+
Anks1	MmuEX0005176	chr17	28145377	28175025	28175091	28179515	+
Anks1	MmuEX0005177	chr17	28175091	28177912	28178139	28179515	+
Anks1	MmuEX0005178	chr17	28179621	28187511	28187609	28188442	+
Anks1	MmuEX0005179	chr17	28188777	28189584	28189748	28190835	+
Anks1	MmuEX0005180	chr17	28113662	28115372	28115434	28122011	+
Anks1	MmuEX0005181	chr17	28122307	28123197	28123272	28123496	+
Anks1	MmuEX0005182	chr17	28125861	28128253	28128345	28132879	+
Anks1	MmuEX0005183	chr17	28195405	28195693	28195791	28196239	+
Anks3	MmuEX0005197	chr16	4943705	4946060	4946184	4947270	-
Anks3	MmuEX0005198	chr16	4943705	4945560	4945666	4946060	-
Anks3	MmuEX0005199	chr16	4954047	4955951	4956032	4957734	-
Anks3	MmuEX0005200	chr16	4954047	4954367	4954969	4955951	-
Anks3	MmuEX0005201	chr16	4950861	4953912	4954047	4955951	-
Anks3	MmuEX0005202	chr16	4942783	4943084	4943256	4943564	-
Anks3	MmuEX0005203	chr16	4942318	4942698	4942783	4943084	-
Anks3	MmuEX0005204	chr16	4941802	4942216	4942270	4942635	-
Anks3	MmuEX0005205	chr16	4941802	4941904	4941987	4942216	-
Anks3	MmuEX0005206	chr16	4957855	4960490	4960661	4964213	-

Anks3	MmuEX0005207	chr16	4957855	4958061	4958259	4964213	-
Anks3	MmuEX0005208	chr16	4954047	4957734	4957855	4964213	-
Anks3	MmuEX0005209	chr16	4956032	4956643	4956712	4957734	-
Anks3	MmuEX0005210	chr16	4948368	4950706	4950861	4953912	-
Anks3	MmuEX0005211	chr16	4947763	4948231	4948368	4950706	-
Anks3	MmuEX0005212	chr16	4947437	4947654	4947763	4948231	-
Anks6	MmuEX0005221	chr4	47040156	47043536	47043723	47045988	-
Ankzf1	MmuEX0005222	chr1	75189252	75190753	75190859	75191416	+
Ankzf1	MmuEX0005223	chr1	75192287	75192376	75192523	75192728	+
Anln	MmuEX0005230	chr9	22137617	22138446	22138618	22142376	-
Ano10	MmuEX0005241	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ano10	MmuEX0005242	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ano6	MmuEX0005272	chr15	95621487	95663852	95663985	95694656	+
Ano6	MmuEX0005273	chr15	95621487	95694656	95694738	95724844	+
Ano6	MmuEX0005274	chr15	95780387	95786322	95786452	95792507	+
Ano6	MmuEX0005275	chr15	95694738	95724844	95724972	95742736	+
Ano6	MmuEX0005276	chr15	95724972	95742736	95742801	95743803	+
Ano6	MmuEX0005277	chr15	95621487	95661075	95661137	95694656	+
Ano8	MmuEX0005284	chr8	74005141	74005518	74005649	74005851	-
Ano8	MmuEX0005285	chr8	74008780	74008899	74009009	74009653	-
Ano8	MmuEX0005286	chr8	74007463	74008167	74008263	74008333	-
Ano8	MmuEX0005287	chr8	74002730	74002826	74002957	74003050	-
Ano8	MmuEX0005288	chr8	74005141	74005851	74005925	74006032	-
Ano8	MmuEX0005289	chr8	74006309	74006406	74006558	74006879	-
Ano8	MmuEX0005290	chr8	74007266	74007347	74007463	74008167	-
Ano8	MmuEX0005291	chr8	74008471	74008648	74008780	74008899	-
Anp32a	MmuEX0005299	chr9	62221484	62222461	62222558	62225107	+
Anp32a	MmuEX0005300	chr9	62222558	62222832	62222834	62225107	+
Anp32b	MmuEX0005301	chr4	46482879	46484270	46484339	46484959	+
Anp32b	MmuEX0005302	chr4	46465415	46469258	46469299	46472962	+
Anp32e	MmuEX0005303	chr3	95733573	95737832	95737981	95740947	+
Anp32e	MmuEX0005304	chr3	95733573	95738699	95738821	95740947	+
Anp32e	MmuEX0005305	chr3	95741118	95741805	95741926	95749103	+
Anpep	MmuEX0005307	chr7	86981292	86983128	86983193	86983299	-
Anpep	MmuEX0005308	chr7	86967262	86970189	86970270	86970592	-
Anpep	MmuEX0005309	chr7	86983364	86983533	86983676	86983774	-
Antxr2	MmuEX0005312	chr5	98367186	98367422	98367586	98377264	-
Antxr2	MmuEX0005313	chr5	98404409	98406620	98406718	98408993	-
Antxr2	MmuEX0005314	chr5	98389724	98394701	98394779	98404340	-
Antxr2	MmuEX0005315	chr5	98406718	98408993	98409053	98432246	-
Anubl1	MmuEX0005318	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Anubl1	MmuEX0005321	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Anubl1	MmuEX0005322	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Anxa11	MmuEX0005327	chr14	26661781	26662193	26662270	26688350	+
Anxa11	MmuEX0005328	chr14	26689667	26689857	26689972	26691998	+
Anxa2	MmuEX0005329	chr9	69335455	69335862	69335920	69337459	+
Anxa2	MmuEX0005330	chr9	69327598	69330781	69330871	69331587	+

Anxa3	MmuEX0005331	chr5	97253985	97257173	97257274	97257367	+
Anxa3	MmuEX0005332	chr5	97222582	97223212	97223360	97226420	+
Anxa3	MmuEX0005333	chr5	97226472	97240069	97240156	97241861	+
Anxa3	MmuEX0005334	chr5	97259507	97263794	97263852	97274520	+
Anxa3	MmuEX0005335	chr5	97259507	97267312	97267434	97274520	+
Anxa4	MmuEX0005336	chr6	86698974	86700222	86700907	86701057	-
Anxa5	MmuEX0005337	chr3	36352486	36352602	36352808	36355915	-
Anxa5	MmuEX0005338	chr3	36356460	36359365	36359455	36360803	-
Anxa5	MmuEX0005339	chr3	36355971	36356381	36356460	36359365	-
Anxa6	MmuEX0005340	chr11	54807876	54807969	54808082	54808387	-
Anxa6	MmuEX0005341	chr11	54798673	54799624	54799717	54800553	-
Anxa6	MmuEX0005342	chr11	54827417	54835039	54835082	54846861	-
Anxa6	MmuEX0005343	chr11	54799717	54800553	54800570	54804893	-
Anxa6	MmuEX0005344	chr11	54809896	54812037	54812115	54813297	-
Anxa7	MmuEX0005345	chr14	21287157	21288610	21288711	21290590	-
Anxa7	MmuEX0005346	chr14	21284168	21287093	21287157	21288610	-
Anxa7	MmuEX0005347	chr14	21288711	21290590	21290794	21292497	-
Anxa7	MmuEX0005348	chr14	21292551	21298506	21298562	21299002	-
Anxa7	MmuEX0005349	chr14	21284168	21286680	21286745	21287093	-
Aoc2	MmuEX0005364	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Aox1	MmuEX0005365	chr1	58127007	58130022	58130118	58132908	+
Aox1	MmuEX0005366	chr1	58133032	58134287	58134420	58135270	+
Aox1	MmuEX0005367	chr1	58135357	58138347	58138433	58138856	+
Aox1	MmuEX0005368	chr1	58138433	58138856	58139047	58142278	+
Aox1	MmuEX0005369	chr1	58139047	58142278	58142505	58149338	+
Aox1	MmuEX0005370	chr1	58115068	58115879	58116030	58116223	+
Aox1	MmuEX0005371	chr1	58106333	58109113	58109120	58110508	+
Aox1	MmuEX0005372	chr1	58153856	58154710	58154824	58159429	+
Ap1ar	MmuEX0005380	chr3	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Ap1ar	MmuEX0005381	chr3	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Ap1ar	MmuEX0005382	chr3	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Ap1ar	MmuEX0005383	chr3	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Ap1ar	MmuEX0005384	chr3	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Ap1b1	MmuEX0005385	chr11	4887054	4909533	4909595	4912885	+
Ap1b1	MmuEX0005386	chr11	4924470	4925597	4925712	4926248	+
Ap1b1	MmuEX0005387	chr11	4932622	4933690	4933845	4937635	+
Ap1b1	MmuEX0005388	chr11	4940424	4940924	4940932	4941721	+
Ap1b1	MmuEX0005389	chr11	4909595	4912885	4912990	4915609	+
Ap1b1	MmuEX0005390	chr11	4932622	4933245	4933265	4933690	+
Ap1g1	MmuEX0005391	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ap1g1	MmuEX0005392	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ap1g1	MmuEX0005393	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ap1g1	MmuEX0005394	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ap1g1	MmuEX0005395	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ap1g1	MmuEX0005396	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ap1g2	MmuEX0005397	chr14	55723295	55723419	55723495	55723668	-
Ap1g2	MmuEX0005398	chr14	55724006	55724143	55724267	55724762	-

Ap1m1	MmuEX0005400	chr8	74779721	74780006	74780081	74780634	+
Ap1m1	MmuEX0005401	chr8	74764366	74765623	74765837	74770538	+
Ap1m1	MmuEX0005402	chr8	74764366	74770552	74770694	74773648	+
Ap1m1	MmuEX0005403	chr8	74764366	74773012	74773079	74773648	+
Ap1m1	MmuEX0005404	chr8	74774727	74775642	74775768	74779596	+
Ap1m1	MmuEX0005405	chr8	74775768	74776734	74776876	74779596	+
Ap1m1	MmuEX0005406	chr8	74774727	74777108	74777179	74779596	+
Ap1m1	MmuEX0005407	chr8	74777179	74777374	74777532	74779596	+
Ap1s2	MmuEX0005410	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	+
Ap1s2	MmuEX0005411	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	+
Ap1s2	MmuEX0005412	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	+
Ap2a1	MmuEX0005414	chr7	52161849	52162204	52162354	52163094	-
Ap2a1	MmuEX0005415	chr7	52158897	52159111	52159271	52159359	-
Ap2a1	MmuEX0005416	chr7	52158570	52158832	52158897	52159111	-
Ap2a1	MmuEX0005417	chr7	52171840	52179177	52179285	52184650	-
Ap2a1	MmuEX0005418	chr7	52165198	52171772	52171840	52184650	-
Ap2a1	MmuEX0005419	chr7	52165198	52171533	52171675	52184650	-
Ap2a1	MmuEX0005420	chr7	52165198	52171211	52171404	52184650	-
Ap2a2	MmuEX0005421	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Ap2a2	MmuEX0005422	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Ap2a2	MmuEX0005423	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Ap2a2	MmuEX0005424	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Ap2b1	MmuEX0005425	chr11	83116339	83119064	83119081	83121717	+
Ap2b1	MmuEX0005426	chr11	83116339	83121717	83121776	83129922	+
Ap2b1	MmuEX0005427	chr11	83156200	83158553	83158641	83160150	+
Ap2b1	MmuEX0005428	chr11	83164673	83178297	83178338	83179149	+
Ap3b1	MmuEX0005429	chr13	95216092	95218408	95218470	95220908	+
Ap3b1	MmuEX0005430	chr13	95221040	95225351	95225460	95232351	+
Ap3b1	MmuEX0005431	chr13	95225460	95232351	95232527	95241631	+
Ap3b1	MmuEX0005432	chr13	95312831	95313969	95313977	95317710	+
Ap3b1	MmuEX0005433	chr13	95129186	95160747	95160822	95164674	+
Ap3b1	MmuEX0005434	chr13	95213971	95215877	95215931	95216021	+
Ap3b1	MmuEX0005435	chr13	95232527	95241631	95241817	95246921	+
Ap3b1	MmuEX0005436	chr13	95232527	95242754	95242884	95246921	+
Ap3b1	MmuEX0005437	chr13	95263696	95271873	95271979	95298120	+
Ap3b1	MmuEX0005438	chr13	95271979	95298120	95298351	95301937	+
Ap3b1	MmuEX0005439	chr13	95298351	95301937	95302021	95312734	+
Ap3b1	MmuEX0005440	chr13	95312838	95317710	95317848	95335560	+
Ap3b1	MmuEX0005441	chr13	95317848	95335120	95335155	95335560	+
Ap3d1	MmuEX0005446	chr10	80184385	80185658	80185707	80186278	-
Ap3d1	MmuEX0005447	chr10	80182557	80183865	80183913	80184336	-
Ap3d1	MmuEX0005448	chr10	80190734	80192442	80192602	80192723	-
Ap3d1	MmuEX0005449	chr10	80173577	80174857	80174952	80175341	-
Ap3d1	MmuEX0005450	chr10	80193699	80195596	80195691	80204641	-
Ap3d1	MmuEX0005451	chr10	80172701	80172834	80173037	80173165	-
Ap3d1	MmuEX0005452	chr10	80178757	80180444	80180675	80181754	-
Ap3d1	MmuEX0005453	chr10	80178757	80179219	80179364	80181754	-

Ap3m1	MmuEX0005455	chr14	21860312	21864710	21864933	21871362	-
Ap3m1	MmuEX0005456	chr14	21860312	21864037	21864046	21871362	-
Ap3m1	MmuEX0005457	chr14	21859359	21860175	21860312	21871362	-
Ap3m2	MmuEX0005458	chr8	23899925	23901353	23901497	23901717	-
Ap3m2	MmuEX0005459	chr8	23901924	23903190	23903323	23903538	-
Ap3s1	MmuEX0005460	chr18	46914116	46917036	46917089	46917657	+
Ap3s1	MmuEX0005461	chr18	46917089	46917657	46917768	46938842	+
Ap3s1	MmuEX0005463	chr18	46938913	46940315	46940422	46949551	+
Ap3s1	MmuEX0005464	chr18	46940422	46943413	46943453	46949551	+
Ap3s2	MmuEX0005465	chr7	87060144	87060902	87060993	87065395	-
Ap3s2	MmuEX0005466	chr7	87025498	87027352	87027459	87054721	-
Ap4b1	MmuEX0005467	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ap4b1	MmuEX0005468	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ap4b1	MmuEX0005469	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ap4b1	MmuEX0005470	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ap4b1	MmuEX0005471	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ap4b1	MmuEX0005472	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ap4e1	MmuEX0005473	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005474	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005475	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005476	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005477	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005478	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005479	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005480	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005481	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005482	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005483	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4e1	MmuEX0005484	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ap4m1	MmuEX0005485	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4m1	MmuEX0005486	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4m1	MmuEX0005487	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4m1	MmuEX0005488	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4m1	MmuEX0005489	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4m1	MmuEX0005490	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4m1	MmuEX0005491	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ap4s1	MmuEX0005492	chr12	52818137	52821623	52821709	52823967	+
Ap4s1	MmuEX0005493	chr12	52792301	52806099	52806232	52817929	+
Ap4s1	MmuEX0005494	chr12	52821709	52823967	52824035	52831875	+
Apaf1	MmuEX0005495	chr10	90542381	90542632	90542833	90544928	-
Apaf1	MmuEX0005497	chr10	90540476	90542192	90542381	90542632	-
Apaf1	MmuEX0005498	chr10	90481830	90483401	90483526	90486465	-
Apaf1	MmuEX0005499	chr10	90524961	90529826	90530009	90540279	-
Apaf1	MmuEX0005500	chr10	90524574	90524849	90524961	90529826	-
Apaf1	MmuEX0005501	chr10	90483526	90486465	90486593	90494294	-
Apaf1	MmuEX0005502	chr10	90494455	90499655	90499780	90502530	-
Apaf1	MmuEX0005503	chr10	90460082	90462397	90462522	90463755	-

Apba3	MmuEX0005514	chr10	80732206	80732290	80732329	80733713	+
Apba3	MmuEX0005515	chr10	80734577	80734930	80735142	80735329	+
Apbb1	MmuEX0005516	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1	MmuEX0005517	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1	MmuEX0005518	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1	MmuEX0005519	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1	MmuEX0005520	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1	MmuEX0005521	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1	MmuEX0005522	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Apbb1ip	MmuEX0005523	chr2	22708730	22713743	22713853	22722413	+
Apbb1ip	MmuEX0005524	chr2	22691559	22705057	22705143	22708587	+
Apbb1ip	MmuEX0005525	chr2	22672544	22675125	22675212	22678815	+
Apbb2	MmuEX0005526	chr5	66883411	66934701	66934856	67009807	-
Apbb2	MmuEX0005527	chr5	66754084	66756213	66756359	66782866	-
Apbb2	MmuEX0005528	chr5	66698953	66700059	66700124	66700317	-
Apbb2	MmuEX0005529	chr5	66853405	66883297	66883411	66934701	-
Apbb2	MmuEX0005530	chr5	66783096	66783512	66783574	66791315	-
Apbb2	MmuEX0005531	chr5	66756359	66783011	66783096	66791315	-
Apbb2	MmuEX0005532	chr5	66756359	66782866	66782926	66791315	-
Apbb2	MmuEX0005533	chr5	66843522	66853337	66853405	66883297	-
Apbb3	MmuEX0005534	chr18	36834795	36834935	36835050	36835317	-
Apbb3	MmuEX0005535	chr18	36831329	36834604	36834795	36834935	-
Apbb3	MmuEX0005536	chr18	36835400	36835825	36835909	36836017	-
Apbb3	MmuEX0005537	chr18	36836131	36836271	36836276	36836519	-
Apbb3	MmuEX0005538	chr18	36835050	36835317	36835400	36835825	-
Apbb3	MmuEX0005539	chr18	36834795	36835051	36835178	36835317	-
Apbb3	MmuEX0005540	chr18	36837159	36838204	36838367	36838651	-
Apbb3	MmuEX0005541	chr18	36837159	36838048	36838124	36838651	-
Apc	MmuEX0005542	chr18	34439006	34449492	34449596	34455685	+
Apc	MmuEX0005543	chr18	34455783	34457357	34457421	34458077	+
Apc	MmuEX0005544	chr18	34459715	34460916	34460969	34464237	+
Apc	MmuEX0005545	chr18	34459715	34464237	34464376	34465220	+
Apc	MmuEX0005546	chr18	34380930	34420659	34420811	34427952	+
Apc	MmuEX0005547	chr18	34420811	34425712	34425876	34427952	+
Apeh	MmuEX0005549	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Apeh	MmuEX0005550	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Apeh	MmuEX0005551	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Apeh	MmuEX0005552	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Apeh	MmuEX0005553	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Apex2	MmuEX0005554	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Apex2	MmuEX0005555	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Aph1b	MmuEX0005557	chr9	66632452	66637453	66637575	66638405	-
Aph1b	MmuEX0005558	chr9	66632452	66636006	66636258	66637453	-
Api5	MmuEX0005559	chr2	94262635	94263569	94263658	94265131	-
Apip	MmuEX0005560	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Apip	MmuEX0005561	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Apip	MmuEX0005562	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+

Apip	MmuEX0005563	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Apitd1	MmuEX0005564	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ap1f	MmuEX0005565	chr6	87613851	87618410	87618481	87621854	-
Ap1f	MmuEX0005566	chr6	87603886	87608835	87608982	87613679	-
Ap1f	MmuEX0005567	chr6	87603886	87608427	87608559	87613679	-
Ap1p2	MmuEX0005569	chr9	30961084	30963775	30963810	30965280	-
Ap1p2	MmuEX0005570	chr9	30972258	30975146	30975313	30976293	-
Apoa1bp	MmuEX0005571	chr3	87861953	87862052	87862160	87862249	-
Apoa1bp	MmuEX0005572	chr3	87861759	87861843	87861953	87862052	-
Apoa1bp	MmuEX0005573	chr3	87861055	87861646	87861759	87861843	-
Apoa1bp	MmuEX0005574	chr3	87860698	87860908	87861055	87861642	-
Apoa2	MmuEX0005575	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
Apobec1	MmuEX0005576	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Apobec1	MmuEX0005577	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Apobec1	MmuEX0005578	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Apobec1	MmuEX0005579	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Apobec2	MmuEX0005580	chr17	48558958	48562266	48562830	48571804	-
Apobec3	MmuEX0005581	chr15	79728655	79729450	79729548	79735874	+
Apobec3	MmuEX0005582	chr15	79736030	79736771	79737032	79737281	+
Apobec3	MmuEX0005583	chr15	79722999	79725841	79725988	79728125	+
Apoc1	MmuEX0005586	chr7	20277384	20277760	20277835	20277958	-
Apoc1	MmuEX0005587	chr7	20274985	20277237	20277384	20277760	-
Apoc2	MmuEX0005588	chr7	20257197	20258578	20258728	20258896	-
Apoc3	MmuEX0005589	chr9	46042623	46042742	46042809	46043342	-
Apod	MmuEX0005590	chr16	31311250	31314485	31314554	31314638	-
Apool	MmuEX0005602	chrX	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Apool	MmuEX0005603	chrX	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Apool	MmuEX0005604	chrX	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
App	MmuEX0005605	chr16	85103580	85120775	85120942	85173747	-
App	MmuEX0005606	chr16	85083133	85103451	85103580	85120775	-
App	MmuEX0005607	chr16	84966015	84971653	84971706	84978309	-
App	MmuEX0005608	chr16	85030610	85043821	85043988	85056569	-
App	MmuEX0005609	chr16	85030610	85040496	85040552	85056569	-
Appbp2	MmuEX0005610	chr11	85005401	85008077	85008242	85009568	-
Appbp2	MmuEX0005611	chr11	85017825	85023442	85023610	85027738	-
Appl1	MmuEX0005612	chr14	27763896	27764143	27764267	27764621	-
Appl1	MmuEX0005613	chr14	27739195	27740915	27741061	27741626	-
Appl1	MmuEX0005614	chr14	27774224	27775296	27775351	27775992	-
Appl1	MmuEX0005615	chr14	27771697	27772611	27772652	27774137	-
Appl1	MmuEX0005616	chr14	27741919	27753430	27753482	27755834	-
Appl1	MmuEX0005617	chr14	27756016	27757098	27757189	27758731	-
Appl1	MmuEX0005618	chr14	27760349	27762628	27762816	27763738	-
Appl1	MmuEX0005619	chr14	27774224	27775992	27776063	27776833	-
Appl1	MmuEX0005620	chr14	27772652	27774137	27774224	27775992	-
Appl2	MmuEX0005621	chr10	83091578	83092423	83092530	83103751	-
Appl2	MmuEX0005622	chr10	83080174	83083443	83083589	83084274	-
Appl2	MmuEX0005623	chr10	83073811	83073888	83073944	83074195	-

Appl2	MmuEX0005624	chr10	83084498	83087364	83087451	83090974	-
Appl2	MmuEX0005625	chr10	83084332	83084457	83084498	83087364	-
Appl2	MmuEX0005626	chr10	83068679	83071445	83071497	83071682	-
Appl2	MmuEX0005627	chr10	83077047	83080092	83080174	83083443	-
Appl2	MmuEX0005628	chr10	83091578	83098830	83098898	83103751	-
Appl2	MmuEX0005629	chr10	83087451	83090974	83091045	83103751	-
Appl2	MmuEX0005630	chr10	83087451	83090070	83090215	83090974	-
Aprt	MmuEX0005631	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Aprt	MmuEX0005632	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Aptx	MmuEX0005633	chr4	40642456	40644250	40644386	40650170	-
Aptx	MmuEX0005634	chr4	40642456	40643530	40643666	40644250	-
Aptx	MmuEX0005635	chr4	40642169	40642410	40642451	40644250	-
Aptx	MmuEX0005636	chr4	40640482	40641885	40642169	40642410	-
Aqp7	MmuEX0005640	chr4	40982004	40982168	40982286	40982526	-
Aqp7	MmuEX0005641	chr4	40982286	40982526	40982663	40983047	-
Aqp7	MmuEX0005642	chr4	40992448	40993417	40993555	40994906	-
Aqr	MmuEX0005648	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005649	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005650	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005651	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005652	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005653	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005654	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005655	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005656	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005657	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005658	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005659	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005660	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005661	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005662	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005663	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Aqr	MmuEX0005664	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Araf	MmuEX0005665	chrX	20425745	20426795	20426910	20427053	+
Araf	MmuEX0005666	chrX	20430585	20430686	20430713	20434738	+
Araf	MmuEX0005667	chrX	20430585	20430803	20430942	20434738	+
Araf	MmuEX0005668	chrX	20430942	20431039	20431241	20434738	+
Araf	MmuEX0005669	chrX	20431241	20434537	20434648	20434738	+
Araf	MmuEX0005670	chrX	20435638	20435892	20435999	20437105	+
Araf	MmuEX0005671	chrX	20435999	20436811	20436945	20437105	+
Arap1	MmuEX0005672	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005673	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005674	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005675	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005676	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005677	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005679	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+

Arap1	MmuEX0005680	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005681	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005682	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005683	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap1	MmuEX0005684	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arap2	MmuEX0005685	chr5	63089658	63097847	63097967	63105972	-
Arap2	MmuEX0005686	chr5	63076915	63089480	63089658	63097847	-
Arap2	MmuEX0005687	chr5	63034181	63037422	63037527	63040928	-
Arap2	MmuEX0005688	chr5	63027308	63030201	63030275	63032567	-
Arap2	MmuEX0005689	chr5	63021500	63027191	63027308	63030201	-
Arap2	MmuEX0005690	chr5	63013205	63021372	63021500	63027191	-
Arap2	MmuEX0005691	chr5	63005268	63006243	63006325	63013078	-
Arap2	MmuEX0005692	chr5	63003006	63005233	63005268	63006243	-
Arap2	MmuEX0005693	chr5	62995895	62997314	62997448	63002943	-
Arap2	MmuEX0005694	chr5	63030275	63032567	63032635	63034034	-
Arap2	MmuEX0005695	chr5	63097967	63105972	63106041	63121760	-
Arap3	MmuEX0005696	chr18	38134335	38135041	38135076	38135170	-
Arap3	MmuEX0005697	chr18	38133305	38133756	38133794	38134019	-
Arap3	MmuEX0005698	chr18	38150742	38150982	38151051	38151193	-
Arf3	MmuEX0005699	chr15	98571865	98573024	98573260	98593411	-
Arf4	MmuEX0005700	chr14	27457972	27466145	27466225	27466400	+
Arfgap1	MmuEX0005701	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Arfgap1	MmuEX0005702	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Arfgap1	MmuEX0005703	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Arfgap1	MmuEX0005704	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Arfgap1	MmuEX0005705	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Arfgap1	MmuEX0005706	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Arfgap2	MmuEX0005707	chr2	91107573	91108314	91108395	91108609	+
Arfgap2	MmuEX0005708	chr2	91107573	91108609	91108665	91113698	+
Arfgap2	MmuEX0005709	chr2	91108665	91109227	91109268	91109609	+
Arfgap2	MmuEX0005710	chr2	91109268	91109609	91109661	91113698	+
Arfgap2	MmuEX0005712	chr2	91110226	91110315	91110446	91113698	+
Arfgap3	MmuEX0005713	chr15	83167156	83173452	83173570	83180511	-
Arfgap3	MmuEX0005714	chr15	83138606	83140680	83140814	83143899	-
Arfgap3	MmuEX0005715	chr15	83161036	83161858	83161992	83163116	-
Arfgap3	MmuEX0005716	chr15	83165039	83167084	83167156	83173452	-
Arfgef1	MmuEX0005717	chr1	10164276	10169907	10170058	10170951	-
Arfgef1	MmuEX0005718	chr1	10163433	10164148	10164276	10169907	-
Arfgef1	MmuEX0005719	chr1	10137616	10141882	10141954	10143467	-
Arfgef1	MmuEX0005720	chr1	10132825	10134799	10134938	10137484	-
Arfgef1	MmuEX0005721	chr1	10129077	10130548	10130665	10131640	-
Arfgef1	MmuEX0005722	chr1	10134938	10137484	10137616	10141882	-
Arfgef1	MmuEX0005723	chr1	10143605	10143688	10143823	10144362	-
Arfgef1	MmuEX0005724	chr1	10206074	10206610	10206640	10222452	-
Arfgef2	MmuEX0005725	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005726	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005727	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+

Arfgef2	MmuEX0005728	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005729	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005730	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005731	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005732	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005733	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005734	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfgef2	MmuEX0005735	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Arfip1	MmuEX0005736	chr3	84338617	84351856	84351957	84386336	-
Arfip1	MmuEX0005737	chr3	84338617	84344492	84344544	84351856	-
Arfip1	MmuEX0005738	chr3	84333187	84338509	84338617	84351856	-
Arfip1	MmuEX0005739	chr3	85589246	85621094	85621213	85691049	-
Arfip1	MmuEX0005740	chr3	84331720	84333113	84333187	84338509	-
Arfip1	MmuEX0005741	chr3	84323625	84331608	84331720	84338509	-
Arfip1	MmuEX0005742	chr3	84319712	84323404	84323625	84331608	-
Arfip1	MmuEX0005743	chr3	84313904	84319555	84319712	84323404	-
Arfip1	MmuEX0005744	chr3	84301813	84313730	84313904	84338509	-
Arfip2	MmuEX0005745	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Arfip2	MmuEX0005746	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Arfrp1	MmuEX0005747	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Arfrp1	MmuEX0005748	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Arfrp1	MmuEX0005749	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Arfrp1	MmuEX0005750	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Arfrp1	MmuEX0005751	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Arfrp1	MmuEX0005752	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Arglu1	MmuEX0005754	chr8	8681467	8681891	8681948	8683748	-
Arglu1	MmuEX0005755	chr8	8667416	8681384	8681467	8683748	-
Arhgap1	MmuEX0005756	chr2	91490409	91491656	91491811	91491906	+
Arhgap1	MmuEX0005757	chr2	91490409	91491921	91491980	91494200	+
Arhgap1	MmuEX0005758	chr2	91490409	91494230	91494364	91502455	+
Arhgap1	MmuEX0005759	chr2	91490409	91494593	91494688	91502455	+
Arhgap1	MmuEX0005760	chr2	91494688	91495519	91495548	91502455	+
Arhgap1	MmuEX0005761	chr2	91494688	91502455	91502542	91508354	+
Arhgap10	MmuEX0005762	chr8	79889059	79934921	79935027	79937397	-
Arhgap10	MmuEX0005763	chr8	79801206	79868539	79868698	79870171	-
Arhgap10	MmuEX0005764	chr8	79801206	79834630	79834780	79868539	-
Arhgap10	MmuEX0005765	chr8	79781316	79801047	79801206	79834630	-
Arhgap10	MmuEX0005766	chr8	79781316	79782956	79783108	79801047	-
Arhgap10	MmuEX0005767	chr8	79889059	79933447	79933541	79937397	-
Arhgap10	MmuEX0005768	chr8	79889059	79912553	79912634	79933447	-
Arhgap10	MmuEX0005769	chr8	79889059	79908650	79908695	79937397	-
Arhgap10	MmuEX0005770	chr8	79889059	79906624	79906689	79908650	-
Arhgap10	MmuEX0005771	chr8	79882533	79888985	79889059	79906624	-
Arhgap10	MmuEX0005772	chr8	79801206	79882446	79882533	79888985	-
Arhgap10	MmuEX0005773	chr8	79801206	79875513	79875571	79882446	-
Arhgap10	MmuEX0005774	chr8	79801206	79870171	79870276	79875513	-
Arhgap10	MmuEX0005775	chr8	79956710	79974727	79974822	80041529	-

Arhgap10	MmuEX0005776	chr8	79956710	79974592	79974653	80041529	-
Arhgap10	MmuEX0005777	chr8	79950330	79956639	79956710	79974592	-
Arhgap12	MmuEX0005781	chr18	6052921	6056977	6056991	6057515	-
Arhgap12	MmuEX0005782	chr18	6049356	6052860	6052921	6057515	-
Arhgap12	MmuEX0005783	chr18	6028269	6031728	6031826	6033139	-
Arhgap12	MmuEX0005784	chr18	6028092	6028192	6028269	6031728	-
Arhgap12	MmuEX0005785	chr18	6052921	6057515	6057589	6061845	-
Arhgap12	MmuEX0005786	chr18	6034550	6037016	6037114	6039352	-
Arhgap12	MmuEX0005787	chr18	6070089	6115812	6115848	6135802	-
Arhgap12	MmuEX0005788	chr18	6070089	6111683	6112437	6135802	-
Arhgap12	MmuEX0005789	chr18	6070089	6073209	6073284	6111683	-
Arhgap12	MmuEX0005790	chr18	6064419	6069829	6070089	6111683	-
Arhgap12	MmuEX0005791	chr18	6064419	6065703	6065769	6069829	-
Arhgap17	MmuEX0005797	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap17	MmuEX0005798	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap17	MmuEX0005799	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap17	MmuEX0005800	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap17	MmuEX0005801	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap17	MmuEX0005802	chr7	1.3E+08	1.3E+08	1.3E+08	1.31E+08	-
Arhgap17	MmuEX0005803	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap17	MmuEX0005804	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Arhgap18	MmuEX0005805	chr10	26598856	26599516	26599591	26600494	+
Arhgap18	MmuEX0005806	chr10	26592570	26593904	26594066	26596963	+
Arhgap18	MmuEX0005807	chr10	26598856	26600494	26600576	26607587	+
Arhgap18	MmuEX0005808	chr10	26609678	26632413	26632537	26636199	+
Arhgap19	MmuEX0005811	chr19	41844686	41847540	41847618	41848556	-
Arhgap20	MmuEX0005813	chr9	51635018	51637435	51637501	51639744	+
Arhgap20	MmuEX0005814	chr9	51639932	51646903	51647081	51648499	+
Arhgap20	MmuEX0005815	chr9	51633039	51633944	51634028	51634941	+
Arhgap21	MmuEX0005816	chr2	20813804	20833904	20833928	20836259	-
Arhgap21	MmuEX0005817	chr2	20787017	20789429	20789465	20793019	-
Arhgap21	MmuEX0005818	chr2	20784991	20786892	20787017	20789429	-
Arhgap21	MmuEX0005819	chr2	20781423	20781508	20781663	20781931	-
Arhgap21	MmuEX0005820	chr2	20776667	20776981	20777022	20777208	-
Arhgap21	MmuEX0005821	chr2	20774696	20775585	20775605	20776562	-
Arhgap21	MmuEX0005822	chr2	20803478	20804827	20804856	20808733	-
Arhgap22	MmuEX0005825	chr14	34177700	34179756	34180629	34182536	+
Arhgap23	MmuEX0005827	chr11	97315639	97315760	97315817	97317769	+
Arhgap23	MmuEX0005828	chr11	97317912	97324698	97325015	97326109	+
Arhgap23	MmuEX0005829	chr11	97326170	97326373	97326503	97327324	+
Arhgap23	MmuEX0005830	chr11	97305659	97307823	97307865	97309484	+
Arhgap23	MmuEX0005831	chr11	97307865	97309484	97309579	97309759	+
Arhgap23	MmuEX0005832	chr11	97313858	97315179	97315334	97315528	+
Arhgap23	MmuEX0005833	chr11	97352544	97352958	97352980	97354365	+
Arhgap25	MmuEX0005835	chr6	87410127	87412925	87413457	87415495	-
Arhgap25	MmuEX0005836	chr6	87426344	87438186	87438302	87442172	-
Arhgap26	MmuEX0005839	chr18	39153283	39257284	39257379	39259226	+

Arhgap26	MmuEX0005840	chr18	39259287	39261823	39261894	39270109	+
Arhgap26	MmuEX0005841	chr18	39271554	39279773	39279877	39281428	+
Arhgap26	MmuEX0005842	chr18	39281557	39286487	39286587	39291710	+
Arhgap26	MmuEX0005843	chr18	39291804	39309694	39309772	39364938	+
Arhgap26	MmuEX0005844	chr18	39309772	39364938	39364974	39387022	+
Arhgap26	MmuEX0005845	chr18	39456577	39466356	39466506	39517207	+
Arhgap26	MmuEX0005848	chr18	39466506	39517207	39517317	39522771	+
Arhgap26	MmuEX0005849	chr18	39517317	39517453	39517482	39522771	+
Arhgap27	MmuEX0005850	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Arhgap27	MmuEX0005851	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Arhgap27	MmuEX0005852	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Arhgap27	MmuEX0005853	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Arhgap29	MmuEX0005855	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Arhgap29	MmuEX0005856	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Arhgap30	MmuEX0005857	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
Arhgap31	MmuEX0005858	chr16	38624067	38624660	38624767	38625664	-
Arhgap32	MmuEX0005862	chr9	31997646	32015769	32015850	32046847	+
Arhgap39	MmuEX0005867	chr15	76557906	76560514	76560556	76560794	-
Arhgap39	MmuEX0005868	chr15	76568239	76571943	76572026	76581958	-
Arhgap39	MmuEX0005869	chr15	76560886	76565307	76565868	76566886	-
Arhgap39	MmuEX0005870	chr15	76557906	76560794	76560886	76565307	-
Arhgap39	MmuEX0005871	chr15	76555922	76556353	76556444	76557059	-
Arhgap39	MmuEX0005872	chr15	76555606	76555753	76555922	76556353	-
Arhgap4	MmuEX0005874	chrX	71143531	71144880	71144982	71145184	-
Arhgap4	MmuEX0005875	chrX	71140302	71141287	71141386	71141724	-
Arhgap4	MmuEX0005876	chrX	71142997	71143308	71143352	71143471	-
Arhgap4	MmuEX0005877	chrX	71142997	71143093	71143227	71143308	-
Arhgap4	MmuEX0005878	chrX	71142801	71142892	71142997	71143471	-
Arhgap4	MmuEX0005879	chrX	71146075	71151768	71151930	71152008	-
Arhgap4	MmuEX0005883	chrX	71146075	71149587	71149808	71149919	-
Arhgap42	MmuEX0005887	chr9	9009436	9011336	9011441	9015300	-
Arhgap42	MmuEX0005888	chr9	9005890	9006257	9006640	9007968	-
Arhgap42	MmuEX0005890	chr9	8998245	9003620	9003682	9005734	-
Arhgap42	MmuEX0005894	chr9	9059159	9074909	9075010	9115690	-
Arhgap44	MmuEX0005895	chr11	64888043	64888673	64888712	64976088	-
Arhgap44	MmuEX0005896	chr11	64855012	64866601	64866718	64870799	-
Arhgap44	MmuEX0005897	chr11	64845697	64851907	64851970	64852118	-
Arhgap44	MmuEX0005898	chr11	64837806	64840306	64840386	64845153	-
Arhgap44	MmuEX0005899	chr11	64873437	64880582	64880658	64887939	-
Arhgap44	MmuEX0005900	chr11	64873437	64879806	64879882	64880582	-
Arhgap44	MmuEX0005901	chr11	64816952	64818956	64819007	64821565	-
Arhgap44	MmuEX0005902	chr11	64836719	64837693	64837806	64840306	-
Arhgap44	MmuEX0005903	chr11	64825600	64826409	64826426	64835443	-
Arhgap44	MmuEX0005904	chr11	64823541	64825373	64825600	64835443	-
Arhgap5	MmuEX0005905	chr12	53620954	53643479	53643623	53658476	+
Arhgap5	MmuEX0005906	chr12	53661086	53663309	53663414	53667998	+
Arhgap9	MmuEX0005916	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+

Arhgdia	MmuEX0005917	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Arhgdib	MmuEX0005918	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Arhgdib	MmuEX0005919	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Arhgdib	MmuEX0005920	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Arhgef1	MmuEX0005924	chr7	25698517	25698639	25698735	25701037	+
Arhgef1	MmuEX0005925	chr7	25698735	25701037	25701072	25701820	+
Arhgef1	MmuEX0005926	chr7	25701072	25701823	25701960	25702914	+
Arhgef1	MmuEX0005927	chr7	25703019	25704203	25704370	25704650	+
Arhgef1	MmuEX0005928	chr7	25708989	25709815	25709902	25709995	+
Arhgef1	MmuEX0005929	chr7	25710338	25710420	25710506	25710803	+
Arhgef1	MmuEX0005930	chr7	25697174	25697329	25697371	25697574	+
Arhgef1	MmuEX0005931	chr7	25692953	25693330	25693443	25697076	+
Arhgef1	MmuEX0005932	chr7	25693443	25697076	25697174	25697329	+
Arhgef1	MmuEX0005933	chr7	25710506	25710803	25710966	25711043	+
Arhgef1	MmuEX0005934	chr7	25710966	25711043	25711142	25711259	+
Arhgef1	MmuEX0005935	chr7	25703028	25703542	25703550	25704650	+
Arhgef10	MmuEX0005936	chr8	14925220	14928772	14928936	14929964	+
Arhgef10	MmuEX0005937	chr8	14975988	14977548	14977669	14978437	+
Arhgef10	MmuEX0005938	chr8	14977669	14978437	14978523	14979800	+
Arhgef10	MmuEX0005939	chr8	14980709	14982319	14982435	14983770	+
Arhgef10	MmuEX0005940	chr8	14932420	14934770	14934846	14936741	+
Arhgef10	MmuEX0005941	chr8	14934846	14936741	14936797	14940209	+
Arhgef10	MmuEX0005942	chr8	14930245	14932357	14932420	14934770	+
Arhgef10	MmuEX0005943	chr8	14940372	14942610	14942726	14945280	+
Arhgef10l	MmuEX0005944	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef10l	MmuEX0005945	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef10l	MmuEX0005946	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef10l	MmuEX0005947	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef10l	MmuEX0005948	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef10l	MmuEX0005949	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef10l	MmuEX0005950	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Arhgef11	MmuEX0005951	chr3	87422714	87488390	87488488	87489921	+
Arhgef11	MmuEX0005952	chr3	87501312	87501910	87501986	87502687	+
Arhgef11	MmuEX0005953	chr3	87515464	87516546	87516610	87516933	+
Arhgef11	MmuEX0005954	chr3	87464613	87485782	87485814	87487408	+
Arhgef11	MmuEX0005955	chr3	87531417	87531885	87532002	87532438	+
Arhgef11	MmuEX0005956	chr3	87532002	87532438	87532616	87533127	+
Arhgef11	MmuEX0005957	chr3	87533202	87533407	87533574	87534331	+
Arhgef11	MmuEX0005958	chr3	87489970	87490837	87490894	87491736	+
Arhgef11	MmuEX0005959	chr3	87422714	87487072	87487086	87487408	+
Arhgef11	MmuEX0005960	chr3	87422714	87485195	87485207	87487408	+
Arhgef11	MmuEX0005961	chr3	87492772	87499320	87499439	87501267	+
Arhgef11	MmuEX0005962	chr3	87501986	87502687	87502824	87506080	+
Arhgef11	MmuEX0005963	chr3	87533574	87534331	87534421	87535098	+
Arhgef11	MmuEX0005964	chr3	87537426	87538346	87538474	87539267	+
Arhgef11	MmuEX0005965	chr3	87539493	87539728	87539917	87540966	+
Arhgef11	MmuEX0005966	chr3	87521442	87522151	87522180	87526279	+

Arhgef11	MmuEX0005967	chr3	87521442	87526279	87526405	87529401	+
Arhgef12	MmuEX0005968	chr9	42850759	42852347	42852370	42913262	-
Arhgef12	MmuEX0005969	chr9	42814029	42816099	42816194	42818262	-
Arhgef12	MmuEX0005970	chr9	42808145	42808440	42808472	42809052	-
Arhgef12	MmuEX0005971	chr9	42805869	42806710	42807018	42807149	-
Arhgef12	MmuEX0005972	chr9	42798204	42798664	42798708	42799957	-
Arhgef12	MmuEX0005973	chr9	42787556	42790031	42790131	42792457	-
Arhgef12	MmuEX0005974	chr9	42800111	42800619	42800654	42801072	-
Arhgef12	MmuEX0005975	chr9	42826495	42828688	42828866	42830894	-
Arhgef12	MmuEX0005976	chr9	42835378	42848623	42848679	42850674	-
Arhgef12	MmuEX0005977	chr9	42834312	42835280	42835378	42850674	-
Arhgef12	MmuEX0005978	chr9	42830955	42834263	42834312	42850674	-
Arhgef15	MmuEX0005979	chr11	68768575	68770348	68770479	68770863	-
Arhgef15	MmuEX0005980	chr11	68758331	68759868	68759972	68760063	-
Arhgef15	MmuEX0005981	chr11	68765471	68766989	68767043	68767314	-
Arhgef15	MmuEX0005982	chr11	68760145	68760486	68760638	68760738	-
Arhgef15	MmuEX0005983	chr11	68759972	68760063	68760145	68760486	-
Arhgef15	MmuEX0005984	chr11	68761170	68761268	68761342	68763473	-
Arhgef17	MmuEX0005988	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Arhgef17	MmuEX0005989	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Arhgef17	MmuEX0005990	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Arhgef18	MmuEX0005991	chr8	3393102	3426498	3426559	3427349	+
Arhgef18	MmuEX0005992	chr8	3393102	3427349	3427490	3429232	+
Arhgef18	MmuEX0005993	chr8	3437099	3439487	3439738	3441220	+
Arhgef18	MmuEX0005994	chr8	3439738	3441220	3441296	3444889	+
Arhgef18	MmuEX0005995	chr8	3427490	3429232	3429344	3429499	+
Arhgef18	MmuEX0005996	chr8	3429639	3432619	3432869	3434872	+
Arhgef18	MmuEX0005997	chr8	3448568	3450296	3450436	3450781	+
Arhgef19	MmuEX0006000	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Arhgef19	MmuEX0006002	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Arhgef19	MmuEX0006003	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Arhgef19	MmuEX0006004	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Arhgef2	MmuEX0006006	chr3	88438582	88438905	88439030	88439523	+
Arhgef2	MmuEX0006007	chr3	88448155	88448338	88448441	88450099	+
Arhgef25	MmuEX0006008	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef25	MmuEX0006009	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef25	MmuEX0006010	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef25	MmuEX0006011	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef25	MmuEX0006012	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef25	MmuEX0006013	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef25	MmuEX0006014	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Arhgef3	MmuEX0006018	chr14	28199127	28199279	28199355	28207119	+
Arhgef3	MmuEX0006019	chr14	28078771	28165616	28165796	28175976	+
Arhgef3	MmuEX0006020	chr14	28022141	28078709	28078771	28175976	+
Arhgef3	MmuEX0006021	chr14	28192947	28197340	28197402	28199031	+
Arhgef3	MmuEX0006022	chr14	27966241	28022075	28022141	28078709	+
Arhgef3	MmuEX0006023	chr14	28078771	28175976	28176083	28192777	+

Arhgef40	MmuEX0006034	chr14	52613864	52613958	52614073	52614555	+
Arhgef40	MmuEX0006035	chr14	52617522	52617819	52617905	52619498	+
Arhgef40	MmuEX0006036	chr14	52609890	52610579	52610705	52611276	+
Arhgef40	MmuEX0006037	chr14	52624417	52624554	52624574	52624664	+
Arhgef40	MmuEX0006040	chr14	52622137	52623329	52623433	52624275	+
Arhgef40	MmuEX0006041	chr14	52623433	52623648	52623791	52624275	+
Arhgef5	MmuEX0006042	chr6	43226597	43226803	43227056	43229442	+
Arhgef6	MmuEX0006044	chrX	54509436	54527072	54527194	54529055	-
Arhgef6	MmuEX0006045	chrX	54533483	54542398	54542468	54552637	-
Arhgef6	MmuEX0006046	chrX	54493864	54496567	54496692	54497782	-
Arhgef6	MmuEX0006047	chrX	54493864	54494983	54495003	54497782	-
Arhgef7	MmuEX0006048	chr8	11785914	11786172	11786260	11791456	+
Arhgef7	MmuEX0006049	chr8	11791544	11800460	11800554	11800773	+
Arhgef7	MmuEX0006050	chr8	11800554	11800773	11800868	11805201	+
Arhgef7	MmuEX0006051	chr8	11815300	11817660	11817884	11819638	+
Arhgef7	MmuEX0006052	chr8	11822049	11824505	11824681	11831493	+
Arhgef7	MmuEX0006053	chr8	11728416	11758431	11758517	11781155	+
Arhgef7	MmuEX0006054	chr8	11758521	11781155	11781239	11782525	+
Arhgef7	MmuEX0006055	chr8	11781239	11782525	11782655	11791456	+
Arhgef7	MmuEX0006056	chr8	11782655	11782832	11782932	11785713	+
Arhgef7	MmuEX0006057	chr8	11782655	11785713	11785914	11791456	+
Arhgef7	MmuEX0006058	chr8	11785914	11791456	11791544	11800460	+
Arhgef9	MmuEX0006059	chrX	92247493	92249568	92249629	92250282	-
Arhgef9	MmuEX0006060	chrX	92249629	92250282	92250350	92254156	-
Arhgef9	MmuEX0006061	chrX	92296475	92307694	92307885	92326175	-
Arhgef9	MmuEX0006062	chrX	92326354	92360939	92361309	92391749	-
Arhgef9	MmuEX0006063	chrX	92307885	92326175	92326354	92391749	-
Arid1a	MmuEX0006064	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1a	MmuEX0006065	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1a	MmuEX0006066	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1a	MmuEX0006067	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1a	MmuEX0006068	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1a	MmuEX0006069	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1a	MmuEX0006070	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Arid1b	MmuEX0006071	chr17	4996492	5040580	5040774	5097574	+
Arid1b	MmuEX0006072	chr17	5279382	5290956	5291283	5305749	+
Arid1b	MmuEX0006073	chr17	5305894	5311835	5311944	5313874	+
Arid1b	MmuEX0006074	chr17	5327821	5332487	5332637	5334964	+
Arid1b	MmuEX0006075	chr17	5097732	5126914	5127024	5242828	+
Arid1b	MmuEX0006076	chr17	5040774	5097574	5097732	5126914	+
Arid1b	MmuEX0006077	chr17	5243071	5264032	5264121	5279203	+
Arid1b	MmuEX0006078	chr17	5264121	5279203	5279382	5290956	+
Arid2	MmuEX0006079	chr15	96118217	96118325	96118418	96119486	+
Arid2	MmuEX0006080	chr15	96118418	96119486	96119583	96180424	+
Arid2	MmuEX0006081	chr15	96203193	96209245	96209393	96221307	+
Arid2	MmuEX0006082	chr15	96119583	96180424	96180557	96187124	+
Arid2	MmuEX0006083	chr15	96180557	96183098	96183615	96187124	+

Arid2	MmuEX0006084	chr15	96189418	96192005	96192071	96192164	+
Arid3b	MmuEX0006086	chr9	57658287	57681423	57682039	57684283	-
Arid3b	MmuEX0006087	chr9	57646032	57658216	57658287	57681423	-
Arid3b	MmuEX0006088	chr9	57646032	57657972	57658044	57658146	-
Arid3b	MmuEX0006090	chr9	57638416	57643914	57644159	57644279	-
Arid3b	MmuEX0006091	chr9	57640492	57642743	57642841	57643914	-
Arid4a	MmuEX0006093	chr12	72118135	72120361	72120471	72123180	+
Arid4a	MmuEX0006094	chr12	72148347	72161049	72161121	72162269	+
Arid4a	MmuEX0006095	chr12	72168325	72168455	72168674	72170821	+
Arid4a	MmuEX0006096	chr12	72172879	72173261	72173326	72173577	+
Arid4b	MmuEX0006097	chr13	14218783	14221442	14221532	14224703	+
Arid4b	MmuEX0006098	chr13	14228526	14235247	14235385	14237554	+
Arid4b	MmuEX0006099	chr13	14247402	14249408	14249538	14250041	+
Arid4b	MmuEX0006100	chr13	14224782	14228435	14228526	14235247	+
Arid4b	MmuEX0006101	chr13	14257209	14262186	14262338	14273487	+
Arid4b	MmuEX0006102	chr13	14280298	14283410	14283523	14285633	+
Arid4b	MmuEX0006103	chr13	14283523	14284216	14284368	14285633	+
Arid5a	MmuEX0006104	chr1	36375026	36375333	36375498	36375837	+
Arid5a	MmuEX0006105	chr1	36364681	36373057	36373172	36374929	+
Arid5a	MmuEX0006106	chr1	36373172	36374049	36374169	36374455	+
Arid5a	MmuEX0006107	chr1	36374169	36374455	36374507	36374929	+
Arid5b	MmuEX0006108	chr10	67581096	67589447	67589499	67591537	-
Arih1	MmuEX0006111	chr9	59251232	59253532	59253662	59255683	-
Arih1	MmuEX0006112	chr9	59262643	59273930	59273985	59274421	-
Arih1	MmuEX0006113	chr9	59260338	59262577	59262643	59273930	-
Arih1	MmuEX0006114	chr9	59284722	59302209	59302276	59333786	-
Arih1	MmuEX0006115	chr9	59274513	59284578	59284722	59333786	-
Arih2	MmuEX0006116	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Arih2	MmuEX0006118	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Arih2	MmuEX0006119	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Arih2	MmuEX0006120	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Arih2	MmuEX0006121	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Arl10	MmuEX0006123	chr13	54676638	54677111	54677309	54680154	+
Arl13b	MmuEX0006124	chr16	62811877	62812985	62813090	62826990	-
Arl13b	MmuEX0006125	chr16	62795534	62801548	62801616	62802546	-
Arl13b	MmuEX0006126	chr16	62827239	62830569	62830635	62846511	-
Arl13b	MmuEX0006127	chr16	62813090	62826990	62827239	62846511	-
Arl15	MmuEX0006129	chr13	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Arl15	MmuEX0006130	chr13	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Arl15	MmuEX0006132	chr13	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Arl16	MmuEX0006133	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Arl16	MmuEX0006134	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Arl2	MmuEX0006135	chr19	6136059	6137478	6137640	6137730	-
Arl2bp	MmuEX0006136	chr8	97191558	97194221	97194327	97195195	+
Arl2bp	MmuEX0006137	chr8	97194327	97195195	97195280	97195962	+
Arl5a	MmuEX0006141	chr2	52257952	52260426	52260577	52267582	-
Arl5a	MmuEX0006142	chr2	52267665	52271584	52271731	52272156	-

Arl5b	MmuEX0006143	chr2	14977201	14981707	14981797	14989766	+
Arl5c	MmuEX0006147	chr11	97851653	97853596	97853747	97855652	-
Arl6	MmuEX0006148	chr16	59624167	59632137	59632286	59638756	-
Arl6	MmuEX0006149	chr16	59613670	59618492	59618504	59618621	-
Arl6	MmuEX0006150	chr16	59621174	59622230	59622334	59622847	-
Arl6	MmuEX0006151	chr16	59618676	59621045	59621174	59622847	-
Arl6ip1	MmuEX0006152	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Arl6ip1	MmuEX0006153	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Arl6ip6	MmuEX0006154	chr2	53051556	53051688	53051822	53053318	+
Arl6ip6	MmuEX0006155	chr2	53051556	53053318	53053371	53061953	+
Arl6ip6	MmuEX0006156	chr2	53053371	53061953	53062085	53076329	+
Arl8a	MmuEX0006157	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Arl8a	MmuEX0006158	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Arl8b	MmuEX0006159	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Arl8b	MmuEX0006160	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Armc1	MmuEX0006161	chr3	19049577	19053461	19053520	19057472	-
Armc1	MmuEX0006162	chr3	19034223	19034843	19034917	19035007	-
Armc2	MmuEX0006165	chr10	41642088	41642372	41642504	41643554	-
Armc5	MmuEX0006179	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Armc6	MmuEX0006180	chr8	72744776	72746005	72746142	72746417	-
Armc7	MmuEX0006181	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Armc8	MmuEX0006182	chr9	99383612	99384385	99384457	99388283	-
Armc8	MmuEX0006183	chr9	99423758	99425772	99425832	99427310	-
Armc8	MmuEX0006184	chr9	99388378	99396570	99396665	99397662	-
Armc8	MmuEX0006185	chr9	99421001	99423558	99423758	99425772	-
Armc8	MmuEX0006186	chr9	99429830	99433517	99433609	99436214	-
Armc8	MmuEX0006187	chr9	99438178	99451962	99452038	99469021	-
Armc8	MmuEX0006188	chr9	99403017	99406069	99406151	99420906	-
Armc8	MmuEX0006189	chr9	99403017	99405684	99405765	99420906	-
Armc8	MmuEX0006190	chr9	99399804	99402931	99403017	99420906	-
Armc9	MmuEX0006191	chr1	88087677	88090852	88090942	88092894	+
Armc9	MmuEX0006192	chr1	88099139	88104528	88104618	88109625	+
Armc9	MmuEX0006194	chr1	88070289	88073389	88073487	88082680	+
Armc9	MmuEX0006195	chr1	88073487	88082680	88082714	88085452	+
Armc9	MmuEX0006196	chr1	88056698	88059240	88059410	88061271	+
Armc9	MmuEX0006197	chr1	88141245	88148852	88148967	88153801	+
Armcx2	MmuEX0006203	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Armcx2	MmuEX0006204	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Arnt	MmuEX0006208	chr3	95274312	95278461	95278674	95280002	+
Arnt	MmuEX0006209	chr3	95280104	95284117	95284182	95284676	+
Arnt	MmuEX0006210	chr3	95252405	95255580	95255656	95256507	+
Arnt	MmuEX0006211	chr3	95297782	95298369	95298535	95299226	+
Arnt	MmuEX0006212	chr3	95294300	95294475	95294577	95294945	+
Arnt	MmuEX0006213	chr3	95238483	95252294	95252405	95256507	+
Arnt	MmuEX0006214	chr3	95252405	95256507	95256551	95264299	+
Arnt	MmuEX0006215	chr3	95264343	95270715	95270759	95274099	+
Arnt	MmuEX0006216	chr3	95284761	95287694	95287770	95291171	+

Arnt	MmuEX0006217	chr3	95287774	95288781	95288915	95291171	+
Arnt	MmuEX0006218	chr3	95288915	95291171	95291245	95293514	+
Arntl	MmuEX0006223	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006224	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006225	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006226	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006227	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006228	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006229	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006230	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl	MmuEX0006231	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Arntl2	MmuEX0006235	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Arpc1a	MmuEX0006236	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Arpc3	MmuEX0006237	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Arpc4	MmuEX0006238	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Arpc4	MmuEX0006239	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Arpc5	MmuEX0006240	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Arpc5	MmuEX0006241	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Arpc5l	MmuEX0006242	chr2	38864090	38868635	38868707	38869243	+
Arrb1	MmuEX0006260	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Arrb1	MmuEX0006261	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Arrb2	MmuEX0006262	chr11	70246255	70249044	70249074	70249665	+
Arrb2	MmuEX0006263	chr11	70250259	70250371	70250430	70251073	+
Arrb2	MmuEX0006264	chr11	70250259	70250812	70250879	70251073	+
Arrdc1	MmuEX0006265	chr2	24782696	24783249	24783359	24790548	-
Arrdc1	MmuEX0006266	chr2	24782552	24782646	24782696	24783249	-
Arrdc1	MmuEX0006267	chr2	24781968	24782065	24782247	24782398	-
Arrdc2	MmuEX0006268	chr8	73360919	73361009	73361265	73361343	-
Arrdc2	MmuEX0006269	chr8	73360276	73360757	73360919	73361009	-
Arrdc2	MmuEX0006271	chr8	73362740	73362878	73362944	73363027	-
Arrdc2	MmuEX0006272	chr8	73361445	73362593	73362740	73362878	-
Arrdc3	MmuEX0006273	chr13	81026748	81028350	81028497	81029357	+
Arrdc4	MmuEX0006274	chr7	75886787	75887458	75887560	75889668	-
Arsa	MmuEX0006276	chr15	89303988	89304100	89304202	89304438	-
Arsa	MmuEX0006277	chr15	89304565	89304659	89304783	89304971	-
Arsa	MmuEX0006278	chr15	89305436	89305553	89305793	89305939	-
Arsb	MmuEX0006279	chr13	94650513	94703827	94703842	94709182	+
Arsb	MmuEX0006280	chr13	94577658	94632042	94632285	94650443	+
Arsb	MmuEX0006281	chr13	94632285	94650443	94650513	94709182	+
Arsk	MmuEX0006293	chr13	76204307	76212223	76212499	76229106	-
Arsk	MmuEX0006294	chr13	76204307	76209548	76209719	76229106	-
Art1	MmuEX0006295	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Art3	MmuEX0006297	chr5	92831054	92832621	92832653	92833863	+
Art3	MmuEX0006298	chr5	92833892	92835002	92835005	92838296	+
Art3	MmuEX0006300	chr5	92840221	92841191	92841220	92843268	+
Art5	MmuEX0006301	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Art5	MmuEX0006302	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-

Arv1	MmuEX0006304	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Arvcf	MmuEX0006306	chr16	18404638	18405195	18405314	18405700	+
Arvcf	MmuEX0006307	chr16	18400346	18400874	18400891	18401660	+
Arvcf	MmuEX0006309	chr16	18352930	18389253	18389483	18397052	+
As3mt	MmuEX0006311	chr19	46799528	46813003	46813048	46814951	+
As3mt	MmuEX0006312	chr19	46794946	46799394	46799528	46814951	+
As3mt	MmuEX0006313	chr19	46782687	46783458	46783608	46784037	+
As3mt	MmuEX0006314	chr19	46783608	46784037	46784151	46789679	+
As3mt	MmuEX0006315	chr19	46784173	46786711	46786780	46789679	+
Asah1	MmuEX0006316	chr8	42433487	42433786	42433880	42434904	-
Asah1	MmuEX0006317	chr8	42431542	42431650	42431704	42432285	-
Asah1	MmuEX0006318	chr8	42433487	42434904	42434978	42437248	-
Asah1	MmuEX0006319	chr8	42440271	42445607	42445653	42459860	-
Asah2	MmuEX0006320	chr19	32091278	32093432	32093518	32096744	-
Asah2	MmuEX0006321	chr19	32066580	32069832	32069891	32078174	-
Asah2	MmuEX0006322	chr19	32061437	32066492	32066580	32069832	-
Asah2	MmuEX0006323	chr19	32135950	32142994	32143105	32176040	-
Asah2	MmuEX0006324	chr19	32091056	32091174	32091275	32093432	-
Asah2	MmuEX0006325	chr19	32088807	32090975	32091056	32091174	-
Asap1	MmuEX0006326	chr15	64040118	64143911	64144037	64181390	-
Asap1	MmuEX0006327	chr15	63981237	63984392	63984492	63990444	-
Asap1	MmuEX0006328	chr15	63953677	63955234	63955301	63955427	-
Asap1	MmuEX0006329	chr15	64040118	64127231	64127384	64143911	-
Asap1	MmuEX0006330	chr15	64023191	64040046	64040118	64143911	-
Asap1	MmuEX0006331	chr15	64040118	64069557	64069641	64143911	-
Asap1	MmuEX0006332	chr15	63926070	63931094	63931152	63933965	-
Asap1	MmuEX0006333	chr15	64004296	64004780	64004854	64023046	-
Asap1	MmuEX0006334	chr15	63984492	63985406	63985414	63990444	-
Asap1	MmuEX0006335	chr15	63934034	63942468	63942638	63951520	-
Asap1	MmuEX0006336	chr15	64144037	64181390	64181475	64214279	-
Asap2	MmuEX0006337	chr12	21219086	21220228	21220231	21223836	+
Asap3	MmuEX0006338	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Asap3	MmuEX0006339	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Asb1	MmuEX0006346	chr1	93440874	93440948	93441084	93443505	+
Asb1	MmuEX0006347	chr1	93440874	93443505	93443807	93448631	+
Asb11	MmuEX0006348	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Asb11	MmuEX0006349	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Asb11	MmuEX0006350	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Asb13	MmuEX0006351	chr13	3644296	3645022	3645261	3648143	+
Asb13	MmuEX0006352	chr13	3644296	3648565	3648756	3649426	+
Asb13	MmuEX0006353	chr13	3644296	3648143	3648239	3648565	+
Asb13	MmuEX0006354	chr13	3633421	3641311	3641498	3642721	+
Asb13	MmuEX0006355	chr13	3633421	3642721	3642871	3644162	+
Asb14	MmuEX0006356	chr14	27713664	27714033	27714164	27714253	+
Asb14	MmuEX0006357	chr14	27707858	27710794	27710990	27713609	+
Asb15	MmuEX0006358	chr6	24478269	24506506	24506614	24508509	+
Asb2	MmuEX0006360	chr12	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-

Asb2	MmuEX0006361	chr12	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Asb3	MmuEX0006362	chr11	30854569	30896534	30896602	30898313	+
Asb3	MmuEX0006363	chr11	30961586	30963996	30964087	30981362	+
Asb3	MmuEX0006364	chr11	30929066	30930773	30930853	30955458	+
Asb3	MmuEX0006365	chr11	30854569	30898313	30898521	30928908	+
Asb3	MmuEX0006366	chr11	30898521	30928693	30928805	30928908	+
Asb3	MmuEX0006367	chr11	30898521	30928908	30929066	30955458	+
Asb3	MmuEX0006368	chr11	30956237	30958822	30958999	30961389	+
Asb3	MmuEX0006369	chr11	30961586	30981399	30981622	31001037	+
Asb3	MmuEX0006370	chr11	30981622	30985001	30985131	31001037	+
Asb5	MmuEX0006371	chr8	55670162	55670332	55670466	55671124	+
Asb7	MmuEX0006372	chr7	73792811	73804536	73805141	73823966	-
Asb7	MmuEX0006373	chr7	73805141	73823043	73823131	73823966	-
Asb7	MmuEX0006374	chr7	73826694	73832770	73832844	73833709	-
Asb8	MmuEX0006376	chr15	97971819	97972476	97972542	97973082	-
Ascc1	MmuEX0006377	chr10	59476522	59504869	59505005	59512500	+
Ascc1	MmuEX0006378	chr10	59470574	59475210	59475307	59476344	+
Ascc2	MmuEX0006379	chr11	4568939	4570279	4570465	4572286	+
Ascc2	MmuEX0006380	chr11	4568425	4568583	4568651	4568865	+
Ascc2	MmuEX0006381	chr11	4556339	4557885	4557978	4558218	+
Ascc2	MmuEX0006382	chr11	4558328	4558643	4558732	4559275	+
Ascc2	MmuEX0006383	chr11	4537829	4540386	4540483	4546565	+
Ascc2	MmuEX0006384	chr11	4549872	4556272	4556339	4564232	+
Ascc2	MmuEX0006385	chr11	4556339	4558218	4558328	4559275	+
Ascc2	MmuEX0006386	chr11	4558328	4559275	4559387	4564232	+
Ascc2	MmuEX0006387	chr11	4570465	4572286	4572500	4579255	+
Ascc2	MmuEX0006388	chr11	4570465	4573331	4573450	4579255	+
Ascc2	MmuEX0006389	chr11	4573450	4579255	4579348	4579434	+
Ascc3	MmuEX0006391	chr10	50312703	50324557	50324688	50327726	+
Ascc3	MmuEX0006392	chr10	50427588	50430686	50430850	50432982	+
Ascc3	MmuEX0006393	chr10	50433068	50434072	50434248	50436291	+
Ascc3	MmuEX0006394	chr10	50327876	50337518	50338077	50357714	+
Ascc3	MmuEX0006395	chr10	50473928	50486897	50487008	50487179	+
Ascc3	MmuEX0006396	chr10	50338077	50354839	50354907	50357714	+
Ascc3	MmuEX0006397	chr10	50560255	50561949	50562096	50565337	+
Ascc3	MmuEX0006398	chr10	50562096	50565337	50565546	50569277	+
Ascc3	MmuEX0006399	chr10	50324688	50327726	50327876	50337518	+
Ascc3	MmuEX0006400	chr10	50419937	50420238	50420462	50427469	+
Ascc3	MmuEX0006401	chr10	50468749	50468841	50468961	50470259	+
Ascc3	MmuEX0006402	chr10	50487313	50543442	50543666	50560104	+
Asf1a	MmuEX0006403	chr10	53317104	53320201	53320375	53322154	+
Asf1a	MmuEX0006404	chr10	53326091	53326262	53326274	53327471	+
Asf1b	MmuEX0006405	chr8	86479836	86488930	86489045	86491718	+
Asf1b	MmuEX0006406	chr8	86489045	86491733	86491909	86493033	+
Ash1l	MmuEX0006410	chr3	88754910	88769734	88770250	88785155	+
Ash1l	MmuEX0006411	chr3	88839184	88839295	88839403	88847041	+
Ash1l	MmuEX0006412	chr3	88839403	88847041	88847247	88847419	+

Ash1l	MmuEX0006413	chr3	88847565	88852356	88852460	88855911	+
Ash1l	MmuEX0006414	chr3	88789712	88803650	88803797	88805695	+
Ash1l	MmuEX0006415	chr3	88871163	88871957	88872053	88872909	+
Ash1l	MmuEX0006416	chr3	88805796	88811064	88811799	88826953	+
Ash1l	MmuEX0006417	chr3	88811799	88826953	88827132	88830334	+
Ash1l	MmuEX0006418	chr3	88827132	88830334	88830428	88837181	+
Ash1l	MmuEX0006419	chr3	88830428	88834162	88834274	88837181	+
Ash1l	MmuEX0006420	chr3	88830428	88837181	88837254	88839139	+
Ash1l	MmuEX0006421	chr3	88862562	88867573	88867627	88867708	+
Ash1l	MmuEX0006422	chr3	88754033	88754883	88754910	88769734	+
Ash1l	MmuEX0006423	chr3	88770250	88785155	88789712	88805695	+
Ash1l	MmuEX0006424	chr3	88874568	88876368	88876534	88879898	+
Ash1l	MmuEX0006425	chr3	88876534	88878647	88878687	88879898	+
Ash1l	MmuEX0006426	chr3	88870342	88871077	88871163	88872909	+
Ash2l	MmuEX0006427	chr8	26943207	26944223	26944318	26945432	-
Ash2l	MmuEX0006428	chr8	26939331	26943112	26943201	26944219	-
Ash2l	MmuEX0006429	chr8	26939331	26941745	26941820	26943112	-
Ash2l	MmuEX0006430	chr8	26939331	26940847	26940864	26941745	-
Asl	MmuEX0006431	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Asl	MmuEX0006432	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Asl	MmuEX0006433	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Asna1	MmuEX0006434	chr8	87542618	87543659	87543807	87548077	-
Asna1	MmuEX0006435	chr8	87542618	87543421	87543571	87548077	-
Asna1	MmuEX0006436	chr8	87542618	87542710	87542817	87548077	-
Asns	MmuEX0006437	chr6	7632456	7635169	7635406	7639252	-
Asns	MmuEX0006438	chr6	7639523	7640935	7641109	7642897	-
Asns	MmuEX0006439	chr6	7635406	7639252	7639523	7642897	-
Asnsd1	MmuEX0006440	chr1	53406906	53407724	53407777	53409374	-
Asnsd1	MmuEX0006441	chr1	53403605	53403859	53404202	53405290	-
Asph	MmuEX0006455	chr4	9444881	9459062	9459212	9464826	-
Asph	MmuEX0006456	chr4	9444881	9457033	9457169	9464826	-
Asph	MmuEX0006457	chr4	9441825	9444783	9444881	9457033	-
Asph	MmuEX0006458	chr4	9563116	9564806	9564850	9566345	-
Asph	MmuEX0006459	chr4	9511003	9528454	9528510	9529616	-
Asph	MmuEX0006460	chr4	9525448	9525880	9525927	9528454	-
Asph	MmuEX0006461	chr4	9538085	9563058	9563116	9566345	-
Asph	MmuEX0006462	chr4	9538085	9551507	9551548	9563048	-
Asph	MmuEX0006463	chr4	9531776	9537990	9538085	9563048	-
Asph	MmuEX0006464	chr4	9531776	9534944	9535018	9537990	-
Asph	MmuEX0006465	chr4	9529648	9531663	9531776	9534944	-
Asph	MmuEX0006466	chr4	9528510	9529616	9529648	9531663	-
Aspscr1	MmuEX0006471	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006472	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006473	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006474	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006475	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006476	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+

Aspscr1	MmuEX0006477	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006478	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006479	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006480	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006481	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Aspscr1	MmuEX0006482	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Asrgl1	MmuEX0006483	chr19	9193820	9195498	9195582	9209277	-
Aste1	MmuEX0006486	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Aste1	MmuEX0006487	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Aste1	MmuEX0006488	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Astn2	MmuEX0006496	chr4	65653468	65720164	65720271	65780091	-
Asxl1	MmuEX0006500	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Asxl1	MmuEX0006501	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Asxl2	MmuEX0006502	chr12	3474613	3475229	3475433	3476026	+
Asxl2	MmuEX0006503	chr12	3476169	3476949	3477206	3484445	+
Asxl2	MmuEX0006504	chr12	3457209	3469300	3469395	3469478	+
Asxl2	MmuEX0006505	chr12	3457209	3466489	3466606	3469478	+
Asxl2	MmuEX0006506	chr12	3457209	3469478	3469593	3474490	+
Asxl2	MmuEX0006507	chr12	3442556	3442795	3442797	3451662	+
Asxl2	MmuEX0006508	chr12	3474613	3476026	3476169	3484445	+
Asxl2	MmuEX0006509	chr12	3451770	3455547	3455640	3457062	+
Asxl2	MmuEX0006510	chr12	3451770	3457062	3457209	3469478	+
Atad1	MmuEX0006516	chr19	32761812	32769274	32769474	32770282	-
Atad1	MmuEX0006517	chr19	32781499	32782562	32782628	32784065	-
Atad1	MmuEX0006518	chr19	32777128	32779570	32779605	32781325	-
Atad2	MmuEX0006520	chr15	57931644	57933932	57934091	57934753	-
Atad2	MmuEX0006522	chr15	57950004	57952497	57952614	57954008	-
Atad2	MmuEX0006523	chr15	57934091	57934753	57934949	57935986	-
Atad2b	MmuEX0006524	chr12	4972806	4973346	4973474	4976158	+
Atad2b	MmuEX0006525	chr12	4972806	4976158	4976248	4980774	+
Atad2b	MmuEX0006526	chr12	4976248	4977212	4977274	4980774	+
Atad2b	MmuEX0006527	chr12	4946511	4946898	4947051	4948778	+
Atad2b	MmuEX0006528	chr12	4997864	5013412	5013597	5017059	+
Atad2b	MmuEX0006529	chr12	5040966	5041274	5041402	5050812	+
Atad2b	MmuEX0006530	chr12	4948880	4949961	4950069	4951712	+
Atad2b	MmuEX0006531	chr12	4961463	4964306	4964421	4964863	+
Atad2b	MmuEX0006532	chr12	4997864	5007446	5007499	5013412	+
Atad3a	MmuEX0006533	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Atad3a	MmuEX0006534	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Atad3a	MmuEX0006535	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Atad3a	MmuEX0006536	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Atad3a	MmuEX0006537	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Atat1	MmuEX0006554	chr17	36035295	36035333	36035412	36038313	-
Atat1	MmuEX0006555	chr17	36034860	36035202	36035244	36035333	-
Atat1	MmuEX0006556	chr17	36038556	36041235	36041280	36045508	-
Atat1	MmuEX0006557	chr17	36038999	36041053	36041121	36041235	-
Atat1	MmuEX0006558	chr17	36038999	36039301	36039383	36041053	-

Atat1	MmuEX0006559	chr17	36038556	36038928	36038999	36041053	-
Ate1	MmuEX0006562	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006563	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006564	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006565	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006566	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006567	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006568	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Ate1	MmuEX0006569	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Atf1	MmuEX0006570	chr15	1E+08	1E+08	1E+08	1E+08	+
Atf2	MmuEX0006572	chr2	73701295	73711727	73711802	73718342	-
Atf2	MmuEX0006573	chr2	73675541	73678346	73678432	73680417	-
Atf2	MmuEX0006574	chr2	73666735	73667849	73667998	73680417	-
Atf2	MmuEX0006575	chr2	73661363	73666529	73666735	73667849	-
Atf2	MmuEX0006576	chr2	73661363	73663316	73663460	73666529	-
Atf2	MmuEX0006577	chr2	73701295	73702419	73702558	73708680	-
Atf2	MmuEX0006578	chr2	73657205	73661258	73661363	73666529	-
Atf2	MmuEX0006579	chr2	73701295	73708680	73708742	73711727	-
Atf2	MmuEX0006580	chr2	73711802	73718342	73718436	73730532	-
Atf2	MmuEX0006581	chr2	73689039	73691852	73691948	73701226	-
Atf2	MmuEX0006582	chr2	73680503	73688921	73689034	73701226	-
Atf2	MmuEX0006583	chr2	73680503	73688646	73688774	73701226	-
Atf2	MmuEX0006584	chr2	73680503	73684254	73684432	73688646	-
Atf2	MmuEX0006585	chr2	73680503	73683496	73683610	73684254	-
Atf6	MmuEX0006586	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Atf6	MmuEX0006587	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Atf6	MmuEX0006588	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Atf7	MmuEX0006589	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Atf7	MmuEX0006590	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Atf7	MmuEX0006591	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Atf7	MmuEX0006592	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Atf7	MmuEX0006593	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Atf7ip	MmuEX0006594	chr6	1.36E+08	1.37E+08	1.37E+08	1.37E+08	+
Atf7ip	MmuEX0006595	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Atf7ip	MmuEX0006596	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Atf7ip	MmuEX0006597	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Atf7ip	MmuEX0006598	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Atg10	MmuEX0006601	chr13	91293917	91347923	91348038	91363544	-
Atg10	MmuEX0006602	chr13	91075850	91076192	91076307	91076898	-
Atg10	MmuEX0006603	chr13	91180593	91293822	91293917	91347923	-
Atg10	MmuEX0006604	chr13	91162272	91180455	91180593	91293822	-
Atg10	MmuEX0006605	chr13	91076995	91162175	91162272	91180455	-
Atg10	MmuEX0006606	chr13	91180593	91284961	91285053	91293822	-
Atg12	MmuEX0006607	chr18	46894971	46897049	46897185	46901035	-
Atg13	MmuEX0006608	chr2	91532704	91533808	91533898	91534082	-
Atg13	MmuEX0006609	chr2	91519586	91520077	91520154	91520500	-
Atg13	MmuEX0006610	chr2	91519012	91519470	91519586	91520077	-

Atg13	MmuEX0006611	chr2	91525406	91526658	91526698	91528798	-
Atg13	MmuEX0006612	chr2	91525406	91525939	91526035	91526658	-
Atg13	MmuEX0006613	chr2	91521852	91522960	91523058	91524826	-
Atg13	MmuEX0006614	chr2	91521852	91522183	91522266	91524826	-
Atg14	MmuEX0006615	chr14	48180358	48180478	48180596	48187861	-
Atg16l1	MmuEX0006616	chr1	89652889	89656626	89656719	89661913	+
Atg16l1	MmuEX0006617	chr1	89678317	89682451	89682571	89682816	+
Atg16l1	MmuEX0006618	chr1	89682921	89685906	89686055	89686147	+
Atg16l1	MmuEX0006619	chr1	89686194	89687161	89687262	89687791	+
Atg16l1	MmuEX0006620	chr1	89670806	89671388	89671444	89672332	+
Atg16l1	MmuEX0006621	chr1	89670806	89671656	89671703	89672332	+
Atg16l2	MmuEX0006622	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006623	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006624	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006625	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006626	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006627	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006628	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006629	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg16l2	MmuEX0006630	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atg2a	MmuEX0006631	chr19	6248289	6249772	6249927	6250024	+
Atg2a	MmuEX0006632	chr19	6252577	6252690	6252883	6252988	+
Atg2a	MmuEX0006633	chr19	6258633	6258864	6258985	6259989	+
Atg2a	MmuEX0006634	chr19	6258985	6259144	6259217	6259989	+
Atg2a	MmuEX0006635	chr19	6245693	6246304	6246400	6246488	+
Atg2a	MmuEX0006636	chr19	6246400	6246488	6246649	6246752	+
Atg2a	MmuEX0006637	chr19	6254666	6255101	6255265	6255409	+
Atg2a	MmuEX0006638	chr19	6256376	6256552	6256687	6257439	+
Atg2b	MmuEX0006639	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006640	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006641	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006642	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006643	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006644	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006645	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006646	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006647	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006648	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg2b	MmuEX0006649	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Atg3	MmuEX0006650	chr16	45159284	45159451	45159525	45162519	+
Atg3	MmuEX0006651	chr16	45178424	45182769	45182803	45182934	+
Atg3	MmuEX0006652	chr16	45162560	45167093	45167142	45169979	+
Atg4b	MmuEX0006654	chr1	95681067	95681206	95681244	95681330	+
Atg4b	MmuEX0006655	chr1	95681475	95682321	95682383	95682487	+
Atg4b	MmuEX0006656	chr1	95664731	95664830	95664901	95670347	+
Atg4b	MmuEX0006657	chr1	95664901	95670347	95670445	95671710	+
Atg4b	MmuEX0006658	chr1	95671811	95672205	95672277	95674862	+

Atg4c	MmuEX0006659	chr4	98891241	98895247	98895325	98901758	+
Atg4c	MmuEX0006660	chr4	98891241	98896179	98896255	98901758	+
Atg4c	MmuEX0006661	chr4	98891241	98901758	98901877	98925088	+
Atg4d	MmuEX0006662	chr9	21073113	21075164	21075294	21076912	+
Atg4d	MmuEX0006663	chr9	21075294	21076021	21076248	21076912	+
Atg4d	MmuEX0006664	chr9	21077156	21077235	21077354	21077698	+
Atg5	MmuEX0006665	chr10	43988390	43994447	43994500	44005838	+
Atg5	MmuEX0006666	chr10	44066880	44067023	44067087	44082722	+
Atg5	MmuEX0006667	chr10	44006003	44009669	44009796	44014402	+
Atg5	MmuEX0006668	chr10	44009796	44014402	44014480	44023373	+
Atg5	MmuEX0006669	chr10	44023535	44039266	44039360	44066763	+
Atg7	MmuEX0006670	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006671	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006672	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006673	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006674	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006675	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006676	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006677	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg7	MmuEX0006678	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Atg9a	MmuEX0006679	chr1	75186729	75186877	75187008	75187397	-
Atg9a	MmuEX0006680	chr1	75187008	75187397	75187451	75188398	-
Atg9a	MmuEX0006681	chr1	75179690	75181030	75181147	75181263	-
Atg9a	MmuEX0006682	chr1	75179311	75179468	75179690	75181030	-
Atg9b	MmuEX0006685	chr5	23890889	23891042	23891181	23891264	-
Ath11	MmuEX0006687	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ath11	MmuEX0006688	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ath11	MmuEX0006689	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ath11	MmuEX0006690	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ath11	MmuEX0006691	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ath11	MmuEX0006692	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ath11	MmuEX0006693	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Atl1	MmuEX0006694	chr12	71055499	71056303	71056374	71060028	+
Atl1	MmuEX0006695	chr12	71060459	71061535	71061549	71064215	+
Atl1	MmuEX0006696	chr12	71033308	71035857	71035907	71038062	+
Atl1	MmuEX0006697	chr12	71038118	71047200	71047292	71048434	+
Atl2	MmuEX0006698	chr17	80275386	80286940	80287056	80295249	-
Atl2	MmuEX0006699	chr17	80264516	80275142	80275386	80295249	-
Atl2	MmuEX0006700	chr17	80252296	80253174	80253245	80253894	-
Atl2	MmuEX0006701	chr17	80249618	80249901	80250133	80250227	-
Atl2	MmuEX0006702	chr17	80260499	80260769	80260819	80264043	-
Atl2	MmuEX0006703	chr17	80253950	80255476	80255603	80256448	-
Atl2	MmuEX0006704	chr17	80249618	80250227	80250241	80251865	-
Atl3	MmuEX0006705	chr19	7569151	7583838	7584052	7584473	+
Atl3	MmuEX0006706	chr19	7568851	7569044	7569151	7583838	+
Atm	MmuEX0006707	chr9	53339881	53341765	53342071	53344668	-
Atm	MmuEX0006709	chr9	53295051	53296011	53296175	53296655	-

Atm	MmuEX0006711	chr9	53268052	53268996	53269115	53270586	-
Atm	MmuEX0006712	chr9	53259794	53261458	53261540	53261637	-
Atm	MmuEX0006713	chr9	53258739	53259654	53259794	53261458	-
Atm	MmuEX0006714	chr9	53269115	53269217	53269225	53270586	-
Atn1	MmuEX0006717	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Atn1	MmuEX0006718	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Atoh8	MmuEX0006719	chr6	72157149	72173736	72173927	72184388	-
Atoh8	MmuEX0006720	chr6	72173927	72177101	72177252	72184388	-
Atp10a	MmuEX0006723	chr7	66082720	66083145	66083332	66083489	+
Atp11a	MmuEX0006727	chr8	12834708	12835161	12835234	12837912	+
Atp11a	MmuEX0006728	chr8	12838015	12842057	12842172	12842826	+
Atp11a	MmuEX0006729	chr8	12843007	12843639	12843742	12844404	+
Atp11a	MmuEX0006730	chr8	12847885	12848803	12848862	12849775	+
Atp11a	MmuEX0006731	chr8	12849902	12851037	12851172	12856934	+
Atp11a	MmuEX0006732	chr8	12856999	12857883	12857986	12859314	+
Atp11a	MmuEX0006733	chr8	12859479	12861640	12861724	12861912	+
Atp11a	MmuEX0006734	chr8	12817015	12820390	12820518	12822613	+
Atp11a	MmuEX0006735	chr8	12851172	12851633	12851656	12856934	+
Atp11a	MmuEX0006736	chr8	12859479	12863759	12863862	12864920	+
Atp11b	MmuEX0006737	chr3	35653332	35676947	35677063	35681434	+
Atp11b	MmuEX0006738	chr3	35705887	35707531	35707646	35708279	+
Atp11b	MmuEX0006739	chr3	35681523	35683429	35683509	35687009	+
Atp11b	MmuEX0006740	chr3	35711058	35711135	35711238	35712966	+
Atp11b	MmuEX0006741	chr3	35711238	35712078	35712170	35712966	+
Atp11b	MmuEX0006742	chr3	35683509	35686267	35686386	35687009	+
Atp11b	MmuEX0006743	chr3	35683509	35687009	35687116	35687348	+
Atp11b	MmuEX0006744	chr3	35713147	35716026	35716912	35718831	+
Atp11b	MmuEX0006745	chr3	35727625	35728339	35728517	35730288	+
Atp11b	MmuEX0006746	chr3	35730433	35731843	35731902	35733217	+
Atp11b	MmuEX0006747	chr3	35733344	35733625	35733894	35734161	+
Atp11b	MmuEX0006748	chr3	35736511	35737035	35737064	35737971	+
Atp11b	MmuEX0006749	chr3	35687476	35688480	35688583	35694681	+
Atp11b	MmuEX0006750	chr3	35687116	35687348	35687476	35688480	+
Atp11b	MmuEX0006751	chr3	35704806	35705690	35705887	35708279	+
Atp11b	MmuEX0006752	chr3	35709636	35710985	35711058	35711135	+
Atp11b	MmuEX0006753	chr3	35711238	35712966	35713147	35718831	+
Atp11b	MmuEX0006754	chr3	35694728	35697516	35697580	35699406	+
Atp11b	MmuEX0006755	chr3	35694728	35699406	35699487	35704656	+
Atp11b	MmuEX0006756	chr3	35738136	35739952	35740037	35748356	+
Atp11b	MmuEX0006757	chr3	35738136	35742493	35742618	35748356	+
Atp11c	MmuEX0006758	chrX	57562982	57574611	57574730	57656980	-
Atp11c	MmuEX0006759	chrX	57533985	57534745	57534906	57543071	-
Atp11c	MmuEX0006760	chrX	57494015	57495939	57496074	57498341	-
Atp11c	MmuEX0006761	chrX	57491750	57493950	57494015	57495939	-
Atp11c	MmuEX0006762	chrX	57560454	57562893	57562982	57574611	-
Atp11c	MmuEX0006763	chrX	57482429	57489549	57489614	57489734	-
Atp11c	MmuEX0006764	chrX	57482429	57483100	57483190	57489734	-

Atp11c	MmuEX0006765	chrX	57478970	57482325	57482429	57489734	-
Atp11c	MmuEX0006766	chrX	57545178	57545496	57545560	57546784	-
Atp11c	MmuEX0006767	chrX	57534906	57543071	57543268	57543747	-
Atp11c	MmuEX0006768	chrX	57545580	57546784	57546834	57548366	-
Atp13a1	MmuEX0006769	chr8	72322412	72322483	72322620	72322711	+
Atp13a1	MmuEX0006770	chr8	72324021	72324801	72324926	72325933	+
Atp13a1	MmuEX0006771	chr8	72326041	72327359	72327558	72327639	+
Atp13a1	MmuEX0006772	chr8	72329276	72329347	72329461	72329545	+
Atp13a1	MmuEX0006773	chr8	72329461	72329545	72329741	72330660	+
Atp13a1	MmuEX0006774	chr8	72321050	72321124	72321230	72321606	+
Atp13a2	MmuEX0006775	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Atp13a2	MmuEX0006776	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Atp13a2	MmuEX0006777	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Atp13a2	MmuEX0006778	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Atp13a3	MmuEX0006779	chr16	30367021	30387693	30387738	30388434	-
Atp13a3	MmuEX0006780	chr16	30359835	30361506	30361576	30361900	-
Atp13a3	MmuEX0006781	chr16	30355973	30357291	30357360	30359755	-
Atp13a3	MmuEX0006782	chr16	30367021	30368376	30368489	30387693	-
Atp13a3	MmuEX0006783	chr16	30336348	30337588	30337684	30338518	-
Atp13a3	MmuEX0006784	chr16	30334013	30336276	30336348	30337588	-
Atp13a3	MmuEX0006785	chr16	30334013	30334655	30334695	30336276	-
Atp13a3	MmuEX0006786	chr16	30323038	30329042	30329130	30332285	-
Atp13a3	MmuEX0006787	chr16	30338627	30338713	30338755	30339699	-
Atp13a3	MmuEX0006788	chr16	30348197	30349771	30349959	30351049	-
Atp13a3	MmuEX0006789	chr16	30357360	30359755	30359835	30361506	-
Atp13a3	MmuEX0006790	chr16	30315987	30322958	30323038	30329042	-
Atp13a3	MmuEX0006791	chr16	30315987	30321892	30321981	30322958	-
Atp1a1	MmuEX0006801	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Atp1a2	MmuEX0006802	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Atp1b1	MmuEX0006806	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Atp2a2	MmuEX0006811	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Atp2a2	MmuEX0006812	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Atp2a3	MmuEX0006813	chr11	72793847	72793941	72794276	72795230	+
Atp2a3	MmuEX0006814	chr11	72795450	72795582	72795690	72796126	+
Atp2a3	MmuEX0006815	chr11	72784432	72785647	72785751	72785905	+
Atp2a3	MmuEX0006816	chr11	72801609	72801965	72802082	72802472	+
Atp2a3	MmuEX0006817	chr11	72802589	72802977	72803049	72805191	+
Atp2b1	MmuEX0006818	chr10	98377427	98403162	98403243	98431328	+
Atp2b1	MmuEX0006819	chr10	98453836	98456501	98456539	98457280	+
Atp2b1	MmuEX0006820	chr10	98459616	98462373	98462615	98463922	+
Atp2b1	MmuEX0006821	chr10	98462615	98463922	98464163	98465775	+
Atp2b1	MmuEX0006822	chr10	98478329	98479557	98479664	98481349	+
Atp2b1	MmuEX0006823	chr10	98479664	98481349	98481531	98481912	+
Atp2b1	MmuEX0006824	chr10	98473414	98477093	98477284	98477518	+
Atp2b4	MmuEX0006833	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Atp2b4	MmuEX0006834	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Atp2b4	MmuEX0006835	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-

Atp2b4	MmuEX0006837	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Atp2c1	MmuEX0006838	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006839	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006840	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006841	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006842	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006843	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006844	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006845	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006846	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp2c1	MmuEX0006847	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Atp5a1	MmuEX0006855	chr18	78018717	78018818	78019042	78019724	+
Atp5a1	MmuEX0006856	chr18	78019042	78019724	78019831	78019951	+
Atp5d	MmuEX0006860	chr10	79606730	79607964	79608052	79608168	+
Atp5f1	MmuEX0006861	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Atp5g2	MmuEX0006862	chr15	1.02E+08	1.02E+08	1.03E+08	1.03E+08	-
Atp5h	MmuEX0006863	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Atp5h	MmuEX0006864	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Atp5h	MmuEX0006865	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Atp5j	MmuEX0006866	chr16	84831752	84834065	84834119	84835054	-
Atp5j2	MmuEX0006867	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Atp5s	MmuEX0006868	chr12	70842803	70843490	70843646	70844706	+
Atp5s	MmuEX0006869	chr12	70826001	70826452	70826541	70838938	+
Atp5s	MmuEX0006870	chr12	70826001	70838938	70839048	70841886	+
Atp5s	MmuEX0006871	chr12	70842094	70842632	70842803	70844706	+
Atp5sl	MmuEX0006872	chr7	26406111	26406443	26406531	26406992	+
Atp6ap1	MmuEX0006873	chrX	71543088	71544059	71544121	71545589	+
Atp6ap1	MmuEX0006874	chrX	71543088	71545589	71545663	71545917	+
Atp6ap2	MmuEX0006880	chrX	12172017	12173282	12173413	12181993	+
Atp6v0a1	MmuEX0006881	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a1	MmuEX0006882	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a1	MmuEX0006883	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a1	MmuEX0006884	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a1	MmuEX0006885	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a1	MmuEX0006886	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a1	MmuEX0006887	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Atp6v0a2	MmuEX0006888	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Atp6v0a2	MmuEX0006889	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Atp6v0a2	MmuEX0006890	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Atp6v0a2	MmuEX0006891	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Atp6v0a2	MmuEX0006892	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Atp6v0b	MmuEX0006899	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Atp6v0d1	MmuEX0006901	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atp6v0e	MmuEX0006902	chr17	26819670	26831424	26831526	26832300	+
Atp6v0e2	MmuEX0006903	chr6	48489270	48490039	48490165	48490427	+
Atp6v1c1	MmuEX0006904	chr15	38603719	38604385	38604571	38605783	+
Atp6v1c1	MmuEX0006905	chr15	38602775	38603652	38603719	38605783	+

Atp6v1c1	MmuEX0006906	chr15	38605868	38607274	38607368	38609075	+
Atp6v1c1	MmuEX0006907	chr15	38612764	38616559	38616651	38616771	+
Atp6v1e1	MmuEX0006910	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Atp6v1e1	MmuEX0006911	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Atp6v1e1	MmuEX0006912	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Atp6v1g1	MmuEX0006914	chr4	63206972	63207051	63207150	63209619	+
Atp6v1h	MmuEX0006916	chr1	5074644	5078641	5078708	5079090	+
Atp6v1h	MmuEX0006917	chr1	5079192	5083444	5083533	5085696	+
Atp6v1h	MmuEX0006918	chr1	5088214	5091151	5091204	5107471	+
Atp6v1h	MmuEX0006919	chr1	5126018	5133831	5133932	5140029	+
Atp7a	MmuEX0006920	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Atp7a	MmuEX0006921	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Atp7a	MmuEX0006922	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Atp7a	MmuEX0006923	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Atp7a	MmuEX0006924	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Atp7a	MmuEX0006925	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Atp8a1	MmuEX0006929	chr5	68160402	68165962	68166089	68167368	-
Atp8a1	MmuEX0006930	chr5	68158424	68160291	68160402	68165962	-
Atp8a1	MmuEX0006931	chr5	68152441	68153755	68153832	68156103	-
Atp8a1	MmuEX0006932	chr5	68140395	68140935	68141002	68142252	-
Atp8a1	MmuEX0006933	chr5	68051407	68058560	68058670	68058763	-
Atp8a1	MmuEX0006934	chr5	68039820	68042827	68042888	68047145	-
Atp8a1	MmuEX0006935	chr5	68022022	68022726	68022814	68038932	-
Atp8a1	MmuEX0006936	chr5	68123492	68129652	68129721	68136819	-
Atp8a1	MmuEX0006937	chr5	68142324	68147889	68147933	68152353	-
Atp8a1	MmuEX0006938	chr5	68177905	68196896	68196941	68203327	-
Atp8a1	MmuEX0006939	chr5	68074169	68097145	68097283	68121031	-
Atp8a1	MmuEX0006940	chr5	68074169	68094219	68094283	68121031	-
Atp8a1	MmuEX0006941	chr5	68167437	68172227	68172300	68177865	-
Atp8a1	MmuEX0006942	chr5	68167437	68170199	68170272	68177865	-
Atp8a1	MmuEX0006943	chr5	68156230	68158259	68158424	68160291	-
Atp8a1	MmuEX0006944	chr5	68153832	68156103	68156230	68165962	-
Atp8a2	MmuEX0006945	chr14	60479150	60543844	60544016	60616838	-
Atp8a2	MmuEX0006946	chr14	60392859	60410018	60410096	60412704	-
Atp8a2	MmuEX0006947	chr14	60266761	60273386	60273477	60303752	-
Atp8a2	MmuEX0006948	chr14	60664939	60665498	60665597	60705419	-
Atp8a2	MmuEX0006949	chr14	60273477	60303752	60303856	60310289	-
Atp8a2	MmuEX0006950	chr14	60390583	60392538	60392594	60392798	-
Atp8a2	MmuEX0006951	chr14	60655874	60657811	60657884	60663154	-
Atp8b1	MmuEX0006952	chr18	64721867	64723997	64724205	64727720	-
Atp8b1	MmuEX0006954	chr18	64691218	64693248	64693378	64698205	-
Atp8b1	MmuEX0006955	chr18	64737340	64738747	64738860	64741555	-
Atp8b2	MmuEX0006956	chr3	89761290	89761731	89761803	89761900	-
Atp8b2	MmuEX0006957	chr3	89762309	89762431	89762544	89762913	-
Atp8b2	MmuEX0006958	chr3	89753939	89754255	89754261	89756597	-
Atp8b2	MmuEX0006959	chr3	89745353	89745597	89745727	89747252	-
Atp9a	MmuEX0006980	chr2	1.69E+08	1.69E+08	1.69E+08	1.69E+08	-

Atp9b	MmuEX0006981	chr18	80975714	80992029	80992171	81005351	-
Atp9b	MmuEX0006982	chr18	80946666	80948851	80948983	80949497	-
Atp9b	MmuEX0006983	chr18	81074112	81087918	81088032	81088554	-
Atp9b	MmuEX0006984	chr18	81066532	81067970	81068032	81074054	-
Atp9b	MmuEX0006985	chr18	80932888	80933551	80933583	80935392	-
Atp9b	MmuEX0006986	chr18	80955132	80958801	80958971	80959613	-
Atp9b	MmuEX0006987	chr18	81005511	81033094	81033170	81041266	-
Atp9b	MmuEX0006988	chr18	80992171	81005351	81005511	81033094	-
Atp9b	MmuEX0006989	chr18	80992171	81109536	81109686	81130563	-
Atp9b	MmuEX0006990	chr18	81088662	81106331	81106444	81109536	-
Atp9b	MmuEX0006991	chr18	81074112	81088554	81088662	81106331	-
Atp9b	MmuEX0006992	chr18	81066532	81074054	81074112	81088554	-
Atp9b	MmuEX0006993	chr18	80992171	81066481	81066532	81130563	-
Atp9b	MmuEX0006994	chr18	81043991	81055283	81055377	81066481	-
Atp9b	MmuEX0006995	chr18	81041341	81043911	81043991	81055283	-
Atp9b	MmuEX0006996	chr18	80992171	81041266	81041341	81130563	-
Atpaf2	MmuEX0006997	chr11	60223132	60225169	60225231	60230253	-
Atpaf2	MmuEX0006998	chr11	60217994	60219278	60219358	60220796	-
Atpaf2	MmuEX0006999	chr11	60220893	60222762	60222907	60223088	-
Atpbd4	MmuEX0007000	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Atpbd4	MmuEX0007001	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Atpif1	MmuEX0007002	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Atr	MmuEX0007003	chr9	95775293	95776013	95776183	95778874	+
Atr	MmuEX0007004	chr9	95785891	95788519	95788662	95791182	+
Atr	MmuEX0007005	chr9	95798161	95799456	95799569	95804082	+
Atr	MmuEX0007006	chr9	95815520	95816849	95816940	95820764	+
Atr	MmuEX0007007	chr9	95816940	95820764	95820855	95821086	+
Atr	MmuEX0007008	chr9	95766264	95767002	95767180	95767913	+
Atr	MmuEX0007009	chr9	95783627	95785761	95785891	95788519	+
Atr	MmuEX0007010	chr9	95788662	95791182	95791275	95793834	+
Atr	MmuEX0007011	chr9	95822251	95823167	95823326	95827588	+
Atr	MmuEX0007012	chr9	95832891	95835898	95835995	95836714	+
Atr	MmuEX0007013	chr9	95804197	95806157	95806277	95807715	+
Atr	MmuEX0007014	chr9	95804197	95807715	95807852	95808669	+
Atrip	MmuEX0007015	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Atrip	MmuEX0007016	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Atrip	MmuEX0007017	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Atrip	MmuEX0007018	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Atrip	MmuEX0007019	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Atrn	MmuEX0007020	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007021	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007022	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007023	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007024	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007025	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007026	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn	MmuEX0007027	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+

Atrn	MmuEX0007028	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Atrn1	MmuEX0007030	chr19	57830108	57852374	57852435	57871915	+
Atrn1	MmuEX0007031	chr19	57852435	57871915	57871993	58010087	+
Atrn1	MmuEX0007032	chr19	57871993	58010087	58010194	58116818	+
Atrn1	MmuEX0007033	chr19	58010194	58116818	58116932	58205583	+
Atrn1	MmuEX0007034	chr19	57704829	57712942	57713070	57716910	+
Atrn1	MmuEX0007035	chr19	57731728	57747609	57747763	57756861	+
Atrn1	MmuEX0007036	chr19	57761267	57827715	57827793	57852374	+
Atrn1	MmuEX0007037	chr19	57761267	57829951	57830108	57852374	+
Atrn1	MmuEX0007038	chr19	57789213	57806042	57806135	57826120	+
Atrn1	MmuEX0007039	chr19	57806135	57814670	57814722	57826120	+
Atrx	MmuEX0007042	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007043	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007044	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007045	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007046	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007047	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007048	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007049	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007050	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007051	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007052	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007053	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007054	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atrx	MmuEX0007055	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atxn1	MmuEX0007056	chr13	45947825	46051824	46051944	46060184	-
Atxn1	MmuEX0007057	chr13	45891006	45947697	45947825	46051824	-
Atxn1	MmuEX0007058	chr13	45793314	45830484	45830547	45890878	-
Atxn1	MmuEX0007059	chr13	45663949	45793190	45793314	45830484	-
Atxn1	MmuEX0007060	chr13	45663949	45776592	45776679	45793190	-
Atxn1	MmuEX0007061	chr13	45891006	45935389	45935506	45947690	-
Atxn1	MmuEX0007062	chr13	45830547	45890878	45891000	45947690	-
Atxn1l	MmuEX0007063	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Atxn2	MmuEX0007065	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007066	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007067	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007068	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007070	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007071	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007072	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007073	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007074	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007075	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007076	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2	MmuEX0007077	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Atxn2l	MmuEX0007078	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Atxn2l	MmuEX0007079	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-

Atxn2l	MmuEX0007080	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Atxn2l	MmuEX0007081	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Atxn2l	MmuEX0007082	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Atxn2l	MmuEX0007083	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Atxn3	MmuEX0007084	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atxn3	MmuEX0007085	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atxn3	MmuEX0007086	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atxn3	MmuEX0007087	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Atxn7	MmuEX0007088	chr14	14922623	14927871	14928115	14928214	+
Atxn7	MmuEX0007089	chr14	14846169	14885433	14885537	14919797	+
Atxn7	MmuEX0007090	chr14	14846169	14848160	14848234	14874959	+
Atxn7	MmuEX0007091	chr14	14885537	14918532	14918606	14919797	+
Atxn7	MmuEX0007092	chr14	14885537	14888257	14888396	14919797	+
Atxn7	MmuEX0007093	chr14	14845883	14846101	14846169	14885433	+
Atxn7	MmuEX0007094	chr14	14885537	14919797	14920046	14927871	+
Atxn7	MmuEX0007095	chr14	14885537	14921710	14921969	14927871	+
Atxn7	MmuEX0007096	chr14	14885537	14922541	14922623	14927871	+
Atxn7l1	MmuEX0007097	chr12	33833366	33902577	33902681	33934716	+
Atxn7l1	MmuEX0007098	chr12	34043713	34047838	34047959	34051837	+
Atxn7l1	MmuEX0007099	chr12	33832780	33833298	33833366	33902577	+
Atxn7l1	MmuEX0007100	chr12	34027060	34029755	34029837	34030703	+
Atxn7l1	MmuEX0007101	chr12	34047959	34049250	34049555	34051837	+
Atxn7l1	MmuEX0007102	chr12	34047959	34051837	34052503	34055848	+
Atxn7l2	MmuEX0007103	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atxn7l2	MmuEX0007104	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atxn7l2	MmuEX0007106	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atxn7l2	MmuEX0007107	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Atxn7l3	MmuEX0007110	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Atxn7l3	MmuEX0007111	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Auh	MmuEX0007112	chr13	52934977	52936246	52936433	52982610	-
Auh	MmuEX0007113	chr13	52933502	52934927	52934977	52936246	-
Auh	MmuEX0007114	chr13	52994105	53014568	53014635	53024758	-
Auh	MmuEX0007115	chr13	52994105	53014370	53014457	53024758	-
Auh	MmuEX0007116	chr13	52994105	53008277	53008430	53014370	-
Auh	MmuEX0007117	chr13	52936433	52994019	52994105	53014370	-
Auh	MmuEX0007118	chr13	52936433	52984472	52984564	52994019	-
Auh	MmuEX0007119	chr13	52936433	52982610	52982666	52984472	-
Aup1	MmuEX0007120	chr6	83004826	83004905	83005042	83005123	+
Aup1	MmuEX0007121	chr6	83005964	83006061	83006134	83006362	+
Aup1	MmuEX0007122	chr6	83006134	83006362	83006428	83006536	+
Aup1	MmuEX0007123	chr6	83005042	83005123	83005273	83005500	+
Aurka	MmuEX0007126	chr2	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Aurkaip1	MmuEX0007127	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Auts2	MmuEX0007129	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Auts2	MmuEX0007130	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Auts2	MmuEX0007131	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Auts2	MmuEX0007132	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-

Auts2	MmuEX0007133	chr5	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Auts2	MmuEX0007135	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Auts2	MmuEX0007136	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Auts2	MmuEX0007137	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Auts2	MmuEX0007138	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Aven	MmuEX0007139	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Avl9	MmuEX0007144	chr6	56680674	56685357	56685426	56686432	+
Avpi1	MmuEX0007145	chr19	42199516	42202793	42202984	42203361	-
Axin1	MmuEX0007150	chr17	26321259	26324649	26325166	26325519	+
Axin1	MmuEX0007151	chr17	26327176	26329461	26329568	26330884	+
Axin1	MmuEX0007152	chr17	26275986	26279563	26280521	26310585	+
Axin1	MmuEX0007153	chr17	26280521	26310585	26310725	26319435	+
Axin2	MmuEX0007154	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Axin2	MmuEX0007155	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Axin2	MmuEX0007157	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Axl	MmuEX0007158	chr7	26548412	26548962	26549083	26549441	-
Axl	MmuEX0007159	chr7	26572006	26572310	26572535	26573434	-
Axl	MmuEX0007160	chr7	26571029	26571906	26572006	26572310	-
Axl	MmuEX0007161	chr7	26555784	26559103	26559242	26559534	-
Axl	MmuEX0007162	chr7	26555784	26558362	26558512	26559534	-
Axl	MmuEX0007163	chr7	26555784	26558118	26558144	26558362	-
Azi1	MmuEX0007164	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi1	MmuEX0007165	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi1	MmuEX0007167	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi1	MmuEX0007168	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi1	MmuEX0007169	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi1	MmuEX0007170	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi1	MmuEX0007171	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Azi2	MmuEX0007172	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Azi2	MmuEX0007173	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Azi2	MmuEX0007174	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Azi2	MmuEX0007175	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Azi2	MmuEX0007176	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Azi2	MmuEX0007177	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Azin1	MmuEX0007178	chr15	38422114	38423229	38423391	38424047	-
Azin1	MmuEX0007179	chr15	38421445	38421999	38422114	38423229	-
Azin1	MmuEX0007180	chr15	38430226	38431159	38431355	38444228	-
Azin1	MmuEX0007181	chr15	38431355	38436942	38437101	38444228	-
B230118H07Rik	MmuEX0007185	chr2	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
B230118H07Rik	MmuEX0007187	chr2	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
B230118H07Rik	MmuEX0007188	chr2	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
B230118H07Rik	MmuEX0007189	chr2	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
B230120H23Rik	MmuEX0007191	chr2	72193702	72202685	72202786	72206458	+
B230208H17Rik	MmuEX0007200	chr2	25439508	25439623	25439681	25440296	-
B230208H17Rik	MmuEX0007201	chr2	25447923	25448287	25448427	25451953	-
B230208H17Rik	MmuEX0007202	chr2	25444232	25447818	25447923	25448287	-
B230208H17Rik	MmuEX0007203	chr2	25443147	25444129	25444232	25447818	-

B230208H17Rik	MmuEX0007204	chr2	25441353	25442388	25442538	25447818	-
B230312A22Rik	MmuEX0007207	chr4	43046859	43046957	43047025	43047248	-
B230312A22Rik	MmuEX0007208	chr4	43050078	43052687	43052771	43058976	-
B2m	MmuEX0007212	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
B3galnt2	MmuEX0007216	chr13	14083134	14083636	14083819	14086682	+
B3galnt2	MmuEX0007217	chr13	14058724	14063057	14063134	14072868	+
B3galnt2	MmuEX0007218	chr13	14063134	14067705	14067901	14072868	+
B3galnt2	MmuEX0007219	chr13	14067901	14072871	14072963	14079620	+
B3galnt2	MmuEX0007220	chr13	14072963	14079620	14079730	14083056	+
B3galnt2	MmuEX0007221	chr13	14079730	14083056	14083134	14086682	+
B3galtl	MmuEX0007225	chr5	1.5E+08	1.5E+08	1.5E+08	1.51E+08	+
B3galtl	MmuEX0007226	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
B3galtl	MmuEX0007227	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
B3galtl	MmuEX0007229	chr5	1.5E+08	1.51E+08	1.51E+08	1.51E+08	+
B3galtl	MmuEX0007230	chr5	1.5E+08	1.51E+08	1.51E+08	1.51E+08	+
B3galtl	MmuEX0007231	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
B3galtl	MmuEX0007232	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
B3gat3	MmuEX0007234	chr19	8995138	8996296	8996470	9000028	+
B3gntl1	MmuEX0007238	chr11	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
B3gntl1	MmuEX0007240	chr11	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
B3gntl1	MmuEX0007241	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
B3gntl1	MmuEX0007242	chr11	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
B3gntl1	MmuEX0007243	chr11	1.21E+08	1.21E+08	1.21E+08	1.22E+08	-
B3gntl1	MmuEX0007244	chr11	1.21E+08	1.21E+08	1.21E+08	1.22E+08	-
B4galt1	MmuEX0007252	chr4	40759905	40764976	40765120	40770472	-
B4galt1	MmuEX0007253	chr4	40759905	40761269	40761424	40764976	-
B4galt1	MmuEX0007254	chr4	40759905	40770472	40770707	40800424	-
B4galt2	MmuEX0007255	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
B4galt2	MmuEX0007256	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
B4galt2	MmuEX0007257	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
B4galt2	MmuEX0007258	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
B4galt2	MmuEX0007259	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
B4galt3	MmuEX0007260	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
B4galt3	MmuEX0007261	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
B4galt3	MmuEX0007262	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
B4galt3	MmuEX0007263	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
B4galt4	MmuEX0007264	chr16	38742481	38752115	38752512	38754032	+
B4galt4	MmuEX0007265	chr16	38752512	38753370	38753494	38754032	+
B4galt4	MmuEX0007266	chr16	38752512	38754032	38754264	38757792	+
B4galt4	MmuEX0007267	chr16	38742548	38751249	38751315	38752115	+
B4galt4	MmuEX0007268	chr16	38757979	38763182	38763242	38766028	+
B4galt5	MmuEX0007269	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
B4galt5	MmuEX0007270	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
B4galt6	MmuEX0007271	chr18	20886579	20897495	20897684	20903854	-
B4galt6	MmuEX0007272	chr18	20865030	20876845	20877016	20878530	-
B4galt6	MmuEX0007273	chr18	20851080	20859240	20859356	20864906	-
B4galt6	MmuEX0007274	chr18	20865030	20878530	20878643	20886463	-

B4galt7	MmuEX0007275	chr13	55701553	55705481	55705743	55708558	+
B4galt7	MmuEX0007276	chr13	55705743	55708558	55708783	55710059	+
B4galt7	MmuEX0007277	chr13	55708783	55709703	55709786	55710059	+
B4galt7	MmuEX0007278	chr13	55709786	55710059	55710163	55710580	+
B9d1	MmuEX0007286	chr11	61319914	61321130	61321241	61322574	+
B9d1	MmuEX0007287	chr11	61321241	61322574	61322670	61322942	+
BB218582	MmuEX0007288	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
BB218582	MmuEX0007289	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
BB218582	MmuEX0007290	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
BB218582	MmuEX0007291	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
BB218582	MmuEX0007292	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
BC002230	MmuEX0007293	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
BC002230	MmuEX0007294	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
BC002230	MmuEX0007295	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
BC002230	MmuEX0007296	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
BC002230	MmuEX0007297	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
BC002230	MmuEX0007298	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
BC003331	MmuEX0007299	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
BC003331	MmuEX0007300	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
BC003331	MmuEX0007301	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
BC003331	MmuEX0007302	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
BC003331	MmuEX0007303	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
BC003331	MmuEX0007304	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
BC004004	MmuEX0007305	chr17	29405947	29414802	29414892	29419005	+
BC004004	MmuEX0007306	chr17	29414892	29419005	29419212	29430952	+
BC004004	MmuEX0007307	chr17	29419219	29419623	29419836	29430952	+
BC006779	MmuEX0007308	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
BC006779	MmuEX0007309	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
BC006779	MmuEX0007310	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
BC013529	MmuEX0007318	chr10	7495167	7497572	7497668	7499101	-
BC013529	MmuEX0007319	chr10	7493902	7495016	7495167	7497572	-
BC013529	MmuEX0007320	chr10	7493229	7493746	7493902	7495016	-
BC013529	MmuEX0007321	chr10	7488383	7490155	7490318	7493096	-
BC016423	MmuEX0007322	chr13	3589894	3590828	3590919	3593377	-
BC016423	MmuEX0007323	chr13	3576446	3580998	3581439	3583746	-
BC016423	MmuEX0007324	chr13	3566863	3567998	3568103	3568734	-
BC016423	MmuEX0007325	chr13	3598997	3599083	3599102	3599185	-
BC016423	MmuEX0007326	chr13	3581439	3583746	3584619	3587544	-
BC016423	MmuEX0007327	chr13	3572972	3598898	3598997	3779687	-
BC016423	MmuEX0007328	chr13	3572972	3596023	3596123	3779687	-
BC016423	MmuEX0007329	chr13	3572972	3594743	3594846	3779687	-
BC016423	MmuEX0007330	chr13	3572972	3593539	3593611	3779687	-
BC016423	MmuEX0007331	chr13	3572972	3593377	3593439	3779687	-
BC016423	MmuEX0007332	chr13	3572972	3589187	3589894	3779687	-
BC016423	MmuEX0007333	chr13	3584619	3587544	3587780	3589187	-
BC016495	MmuEX0007334	chr19	18716770	18719545	18719628	18725726	+
BC016495	MmuEX0007335	chr19	18710632	18712699	18712781	18714008	+

BC016495	MmuEX0007337	chr19	18715761	18715893	18715964	18716664	+
BC016495	MmuEX0007338	chr19	18706571	18710569	18710632	18714008	+
BC016495	MmuEX0007339	chr19	18710632	18713408	18713889	18714008	+
BC016495	MmuEX0007340	chr19	18710632	18714008	18714098	18714376	+
BC017158	MmuEX0007344	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
BC017158	MmuEX0007345	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
BC017158	MmuEX0007346	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
BC017612	MmuEX0007347	chr9	15298073	15330072	15330148	15348983	+
BC017643	MmuEX0007348	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
BC017643	MmuEX0007349	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
BC017643	MmuEX0007350	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
BC018242	MmuEX0007351	chr9	21743822	21745204	21745317	21747795	+
BC018242	MmuEX0007352	chr9	21743822	21745446	21745581	21747795	+
BC018242	MmuEX0007353	chr9	21745581	21747795	21748066	21751390	+
BC018507	MmuEX0007362	chr13	70748054	70748810	70748865	70749412	-
BC018507	MmuEX0007364	chr13	70745754	70747188	70747430	70747654	-
BC018507	MmuEX0007365	chr13	70740114	70741057	70745754	70747654	-
BC019943	MmuEX0007366	chr8	32261971	32263060	32263198	32263981	+
BC019943	MmuEX0007367	chr8	32264167	32264686	32264778	32265986	+
BC019943	MmuEX0007368	chr8	32266393	32269065	32269227	32270354	+
BC019943	MmuEX0007369	chr8	32266173	32266250	32266393	32269065	+
BC020535	MmuEX0007370	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC020535	MmuEX0007371	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC020535	MmuEX0007372	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC020535	MmuEX0007373	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC022687	MmuEX0007377	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
BC023814	MmuEX0007379	chr3	87728450	87728869	87729353	87730456	-
BC023814	MmuEX0007380	chr3	87731039	87731485	87731582	87731846	-
BC023814	MmuEX0007381	chr3	87730796	87730977	87731039	87731485	-
BC023829	MmuEX0007382	chrX	67716196	67718178	67718261	67720329	-
BC023829	MmuEX0007383	chrX	67720536	67723293	67723469	67730153	-
BC024479	MmuEX0007389	chr9	37297418	37321199	37321288	37324802	+
BC024479	MmuEX0007390	chr9	37297418	37298969	37299003	37321199	+
BC024479	MmuEX0007391	chr9	37297418	37299041	37299154	37321199	+
BC024479	MmuEX0007392	chr9	37297418	37324958	37325057	37326312	+
BC024814	MmuEX0007393	chr16	8487554	8488752	8488920	8490195	+
BC024814	MmuEX0007394	chr16	8474059	8474979	8475084	8478060	+
BC024814	MmuEX0007395	chr16	8482493	8484355	8484426	8484913	+
BC024814	MmuEX0007396	chr16	8470958	8473924	8474059	8478060	+
BC024814	MmuEX0007397	chr16	8474059	8478209	8478422	8482349	+
BC024814	MmuEX0007398	chr16	8478422	8482220	8482260	8482349	+
BC024978	MmuEX0007399	chr7	27987716	27988272	27988440	27988775	+
BC024978	MmuEX0007400	chr7	27981126	27981925	27982385	27985573	+
BC024978	MmuEX0007401	chr7	27982385	27985573	27985641	27986039	+
BC024978	MmuEX0007402	chr7	27985641	27986039	27986163	27987427	+
BC026585	MmuEX0007406	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
BC026585	MmuEX0007407	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+

BC026585	MmuEX0007408	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
BC026585	MmuEX0007409	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
BC026585	MmuEX0007410	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
BC026585	MmuEX0007411	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
BC026590	MmuEX0007412	chr4	56816519	56816863	56816926	56817026	+
BC026590	MmuEX0007413	chr4	56817155	56818186	56818269	56818554	+
BC027231	MmuEX0007414	chr16	44732232	44734654	44734910	44735829	+
BC027231	MmuEX0007415	chr16	44724581	44727141	44727295	44729355	+
BC027231	MmuEX0007416	chr16	44724581	44729359	44729434	44734654	+
BC027231	MmuEX0007417	chr16	44724581	44729695	44729826	44734654	+
BC027231	MmuEX0007418	chr16	44724581	44730233	44730310	44734654	+
BC027231	MmuEX0007419	chr16	44724581	44731445	44731809	44734654	+
BC027231	MmuEX0007420	chr16	44724581	44732171	44732232	44734654	+
BC028528	MmuEX0007423	chr3	95688160	95688893	95688991	95692064	-
BC029214	MmuEX0007424	chr2	25316014	25316175	25316235	25316307	-
BC029214	MmuEX0007425	chr2	25315877	25315965	25316014	25316175	-
BC029214	MmuEX0007426	chr2	25315594	25315687	25315877	25315965	-
BC029214	MmuEX0007427	chr2	25315221	25315295	25315379	25315529	-
BC030307	MmuEX0007429	chr10	86207349	86212992	86213131	86221003	+
BC030307	MmuEX0007433	chr10	86221981	86223511	86223663	86226609	+
BC030307	MmuEX0007437	chr10	86176484	86182223	86182409	86192527	+
BC030336	MmuEX0007439	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
BC031353	MmuEX0007453	chr9	74860861	74863651	74863730	74864845	+
BC031353	MmuEX0007454	chr9	74863730	74864845	74864953	74866804	+
BC031353	MmuEX0007455	chr9	74866962	74871392	74871460	74873458	+
BC031353	MmuEX0007456	chr9	74871460	74873458	74873654	74879322	+
BC031353	MmuEX0007457	chr9	74858273	74860748	74860861	74863651	+
BC031781	MmuEX0007458	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
BC032203	MmuEX0007460	chr17	46963072	46966861	46966929	46967014	-
BC032203	MmuEX0007461	chr17	46938778	46943501	46943603	46944345	-
BC034090	MmuEX0007462	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
BC034090	MmuEX0007463	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
BC034090	MmuEX0007464	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
BC034090	MmuEX0007465	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
BC034090	MmuEX0007466	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
BC046331	MmuEX0007476	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046331	MmuEX0007477	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046331	MmuEX0007478	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046331	MmuEX0007479	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046331	MmuEX0007481	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046331	MmuEX0007482	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046331	MmuEX0007483	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
BC046404	MmuEX0007485	chr11	62419748	62422705	62422817	62433936	-
BC052040	MmuEX0007514	chr2	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
BC053749	MmuEX0007516	chr7	31324601	31324768	31324849	31324938	-
BC053749	MmuEX0007520	chr7	31328792	31334060	31334227	31337227	-
BC053749	MmuEX0007521	chr7	31328792	31331322	31331446	31337227	-

BC057079	MmuEX0007535	chr4	87740579	87767174	87767262	87770492	+
BC057079	MmuEX0007536	chr4	87875331	87875737	87875838	87876356	+
BC057079	MmuEX0007537	chr4	87920136	87924113	87924163	87925124	+
BC057079	MmuEX0007538	chr4	87955817	87972047	87972139	87976873	+
BC057079	MmuEX0007539	chr4	87972139	87976873	87976961	87982072	+
BC057079	MmuEX0007540	chr4	87990721	87992320	87992376	87994708	+
BC057079	MmuEX0007541	chr4	87994797	87995998	87996114	88001272	+
BC057079	MmuEX0007542	chr4	88016739	88037863	88037991	88039437	+
BC057079	MmuEX0007543	chr4	87774956	87800541	87800645	87815811	+
BC057079	MmuEX0007544	chr4	88053268	88054825	88054900	88056521	+
BC057079	MmuEX0007545	chr4	87800645	87815811	87815912	87820517	+
BC057079	MmuEX0007546	chr4	87770566	87774802	87774956	87800541	+
BC057079	MmuEX0007547	chr4	87831986	87842663	87842920	87875227	+
BC057079	MmuEX0007548	chr4	88043139	88043746	88043835	88046921	+
BC057079	MmuEX0007549	chr4	87994797	88001272	88001419	88003348	+
BC057079	MmuEX0007550	chr4	88001419	88003348	88003467	88005151	+
BC065397	MmuEX0007557	chrX	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
BC065397	MmuEX0007558	chrX	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
BC067068	MmuEX0007561	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007562	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007563	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007564	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007567	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007568	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007569	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC067068	MmuEX0007570	chr10	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
BC068281	MmuEX0007574	chr12	4850257	4855669	4855919	4856933	+
BC068281	MmuEX0007575	chr12	4850257	4856933	4858748	4862084	+
BC088983	MmuEX0007576	chr8	59011697	59011782	59011832	59017408	-
BC088983	MmuEX0007577	chr8	59010529	59011274	59011311	59011573	-
BC088983	MmuEX0007578	chr8	59021825	59022915	59023061	59024202	-
BC088983	MmuEX0007579	chr8	59018699	59019663	59019830	59021703	-
BC088983	MmuEX0007580	chr8	59026321	59028860	59028918	59029342	-
BC088983	MmuEX0007581	chr8	59026321	59028022	59028181	59029342	-
Bace1	MmuEX0007589	chr9	45665331	45666483	45666584	45666993	+
Bace2	MmuEX0007590	chr16	97636787	97643457	97643606	97646097	+
Bace2	MmuEX0007591	chr16	97578708	97621241	97621329	97629884	+
Bace2	MmuEX0007592	chr16	97630100	97633665	97633785	97634956	+
Bach1	MmuEX0007593	chr16	87699301	87715576	87715869	87719052	+
Bach1	MmuEX0007594	chr16	87715869	87719052	87720395	87722647	+
Bach2	MmuEX0007596	chr4	32404279	32504410	32504558	32588588	+
Bag1	MmuEX0007597	chr4	40884227	40886110	40886217	40888558	-
Bag1	MmuEX0007598	chr4	40886217	40888558	40888671	40890658	-
Bag2	MmuEX0007599	chr1	33805171	33805721	33805843	33814424	-
Bag2	MmuEX0007600	chr1	33803861	33805062	33805171	33814424	-
Bag3	MmuEX0007601	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Bag3	MmuEX0007602	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+

Bag4	MmuEX0007603	chr8	26880008	26881551	26881805	26887895	-
Bag6	MmuEX0007604	chr17	35281713	35281891	35281944	35282082	+
Bag6	MmuEX0007605	chr17	35275727	35275968	35276021	35276180	+
Bag6	MmuEX0007606	chr17	35283298	35283702	35283848	35284086	+
Bag6	MmuEX0007607	chr17	35279027	35279252	35279329	35279672	+
Bag6	MmuEX0007608	chr17	35279329	35279505	35279550	35279672	+
Bahcc1	MmuEX0007610	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Bahcc1	MmuEX0007611	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Bahd1	MmuEX0007614	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Bahd1	MmuEX0007615	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Bahd1	MmuEX0007616	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Baiap2	MmuEX0007644	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2	MmuEX0007645	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2	MmuEX0007646	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2	MmuEX0007647	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2	MmuEX0007648	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2	MmuEX0007649	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2	MmuEX0007650	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Baiap2l1	MmuEX0007651	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Baiap2l1	MmuEX0007652	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Bak1	MmuEX0007658	chr17	27158292	27158608	27158622	27159384	-
Banf1	MmuEX0007659	chr19	5365158	5365818	5365956	5366434	-
Banp	MmuEX0007665	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Banp	MmuEX0007666	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Banp	MmuEX0007667	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Banp	MmuEX0007668	chr8	1.24E+08	1.24E+08	1.24E+08	1.25E+08	+
Banp	MmuEX0007669	chr8	1.24E+08	1.24E+08	1.24E+08	1.25E+08	+
Banp	MmuEX0007670	chr8	1.24E+08	1.25E+08	1.25E+08	1.25E+08	+
Banp	MmuEX0007671	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Banp	MmuEX0007672	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Bap1	MmuEX0007673	chr14	32064840	32064936	32064965	32065086	+
Bap1	MmuEX0007674	chr14	32064965	32065086	32065140	32066114	+
Bap1	MmuEX0007675	chr14	32069481	32069847	32069977	32070475	+
Bap1	MmuEX0007676	chr14	32066246	32066642	32066761	32067219	+
Bap1	MmuEX0007677	chr14	32065140	32066114	32066246	32066642	+
Bap1	MmuEX0007678	chr14	32068395	32068699	32068846	32069297	+
Bap1	MmuEX0007679	chr14	32071227	32071470	32071562	32071644	+
Batf3	MmuEX0007688	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Bax	MmuEX0007689	chr7	52717336	52718769	52718873	52720559	-
Baz1a	MmuEX0007690	chr12	56031334	56035727	56035893	56036469	-
Baz1a	MmuEX0007691	chr12	56010134	56012297	56012448	56013564	-
Baz1a	MmuEX0007692	chr12	56001545	56009986	56010134	56012297	-
Baz1a	MmuEX0007693	chr12	56001213	56001298	56001545	56009986	-
Baz1a	MmuEX0007694	chr12	56047890	56055685	56055828	56076091	-
Baz1a	MmuEX0007695	chr12	56047890	56051949	56052008	56055685	-
Baz1a	MmuEX0007696	chr12	56036568	56042489	56042623	56044964	-
Baz1a	MmuEX0007697	chr12	56036568	56037457	56037570	56042489	-

Baz1a	MmuEX0007698	chr12	56035893	56036469	56036568	56042489	-
Baz1a	MmuEX0007699	chr12	56024251	56024372	56024467	56028551	-
Baz1a	MmuEX0007700	chr12	56045051	56047789	56047890	56055685	-
Baz1a	MmuEX0007701	chr12	56055828	56076091	56076369	56086653	-
Baz1b	MmuEX0007702	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Baz1b	MmuEX0007703	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Baz1b	MmuEX0007704	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Baz1b	MmuEX0007705	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Baz1b	MmuEX0007706	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Baz2a	MmuEX0007707	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Baz2a	MmuEX0007708	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Baz2a	MmuEX0007709	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Baz2b	MmuEX0007710	chr2	60045020	60046176	60046251	60047079	-
Baz2b	MmuEX0007711	chr2	59800687	59806684	59807079	59807275	-
Baz2b	MmuEX0007712	chr2	59774808	59780819	59780880	59780995	-
Baz2b	MmuEX0007713	chr2	59770227	59771728	59771772	59773272	-
Baz2b	MmuEX0007714	chr2	59741362	59744973	59745108	59745496	-
Baz2b	MmuEX0007715	chr2	59770227	59771469	59771495	59771728	-
Baz2b	MmuEX0007716	chr2	59771787	59773272	59773337	59774743	-
Baz2b	MmuEX0007717	chr2	59796549	59797878	59798162	59800078	-
Baz2b	MmuEX0007718	chr2	59844246	59914927	59914968	59963520	-
Baz2b	MmuEX0007720	chr2	59807475	59816600	59816758	59821839	-
Baz2b	MmuEX0007721	chr2	59807475	59815416	59815609	59816600	-
Bbc3	MmuEX0007722	chr7	16895210	16897475	16897763	16898976	+
Bbip1	MmuEX0007723	chr19	54006695	54017956	54018069	54018907	-
Bbs1	MmuEX0007726	chr19	4891787	4892888	4893021	4894261	-
Bbs2	MmuEX0007729	chr8	96600983	96603383	96603512	96604668	-
Bbs2	MmuEX0007730	chr8	96600983	96602500	96602598	96603383	-
Bbs2	MmuEX0007731	chr8	96613787	96616295	96616522	96622136	-
Bbs4	MmuEX0007732	chr9	59172666	59174994	59175165	59175263	-
Bbs4	MmuEX0007733	chr9	59175165	59175263	59175415	59176387	-
Bbs4	MmuEX0007734	chr9	59170789	59171195	59171396	59171844	-
Bbs4	MmuEX0007735	chr9	59187690	59188894	59189005	59190295	-
Bbs4	MmuEX0007736	chr9	59176455	59181287	59181414	59184171	-
Bbs4	MmuEX0007737	chr9	59176455	59178225	59178279	59184171	-
Bbs4	MmuEX0007739	chr9	59190358	59191867	59191946	59193607	-
Bbs5	MmuEX0007740	chr2	69487161	69490839	69490904	69492120	+
Bbs5	MmuEX0007741	chr2	69490904	69492120	69492169	69492303	+
Bbs5	MmuEX0007742	chr2	69492430	69493556	69493691	69494954	+
Bbs5	MmuEX0007743	chr2	69495049	69498691	69498854	69499093	+
Bbs5	MmuEX0007744	chr2	69492169	69492303	69492430	69493556	+
Bbs5	MmuEX0007745	chr2	69493691	69494954	69495049	69499093	+
Bbs7	MmuEX0007746	chr3	36501881	36503328	36503444	36504606	-
Bbs7	MmuEX0007747	chr3	36481687	36485758	36485885	36489574	-
Bbs7	MmuEX0007748	chr3	36509277	36509488	36509550	36510934	-
Bbs7	MmuEX0007750	chr3	36474774	36477318	36477482	36481548	-
Bbs7	MmuEX0007751	chr3	36509550	36510934	36510999	36512172	-

Bbs7	MmuEX0007752	chr3	36489639	36491287	36491361	36493290	-
Bbs7	MmuEX0007753	chr3	36481687	36489574	36489639	36493290	-
Bbs7	MmuEX0007754	chr3	36493482	36498261	36498345	36501751	-
Bbs7	MmuEX0007755	chr3	36493482	36497188	36497290	36498261	-
Bbs9	MmuEX0007756	chr9	22280499	22295262	22295384	22301153	+
Bbs9	MmuEX0007757	chr9	22372323	22379555	22379639	22383081	+
Bbs9	MmuEX0007759	chr9	22440131	22443174	22443227	22448189	+
Bbs9	MmuEX0007760	chr9	22448291	22450408	22450512	22459669	+
Bbs9	MmuEX0007761	chr9	22295384	22301153	22301303	22308489	+
Bbs9	MmuEX0007762	chr9	22301303	22308489	22308553	22318424	+
Bbs9	MmuEX0007764	chr9	22450512	22452464	22452478	22458516	+
Bbs9	MmuEX0007767	chr9	22463589	22475229	22475401	22483356	+
Bbs9	MmuEX0007768	chr9	22483508	22598195	22598377	22692542	+
Bbs9	MmuEX0007769	chr9	22598377	22616765	22616987	22692542	+
Bbs9	MmuEX0007770	chr9	22616987	22692025	22692132	22692542	+
Bbs9	MmuEX0007771	chr9	22692132	22692309	22692440	22692542	+
Bbx	MmuEX0007772	chr16	50280652	50290023	50290074	50320413	-
Bbx	MmuEX0007773	chr16	50251507	50262529	50262596	50266290	-
Bbx	MmuEX0007774	chr16	50241047	50247895	50247969	50251427	-
Bbx	MmuEX0007775	chr16	50280652	50331142	50331215	50429023	-
Bbx	MmuEX0007776	chr16	50225406	50240967	50241047	50247895	-
Bbx	MmuEX0007777	chr16	50247969	50251427	50251507	50262529	-
Bbx	MmuEX0007778	chr16	50209257	50210558	50210647	50220558	-
Bbx	MmuEX0007779	chr16	50202688	50209198	50209257	50220558	-
Bbx	MmuEX0007780	chr16	50280652	50320413	50320526	50330947	-
Bbx	MmuEX0007781	chr16	50266482	50274660	50274788	50330947	-
Bcam	MmuEX0007782	chr7	20352410	20353801	20353922	20355756	-
Bcam	MmuEX0007783	chr7	20352108	20352185	20352410	20353801	-
Bcap29	MmuEX0007786	chr12	32311741	32315658	32315758	32319128	-
Bcap29	MmuEX0007787	chr12	32302045	32308980	32309115	32311591	-
Bcar1	MmuEX0007788	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Bcar3	MmuEX0007789	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Bcar3	MmuEX0007791	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Bcas2	MmuEX0007796	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Bcas2	MmuEX0007797	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Bcas3	MmuEX0007798	chr11	85184665	85208841	85208922	85229154	+
Bcas3	MmuEX0007799	chr11	85184665	85190807	85190869	85208841	+
Bcas3	MmuEX0007800	chr11	85208922	85229154	85229226	85265163	+
Bcas3	MmuEX0007801	chr11	85279737	85284254	85284337	85290140	+
Bcas3	MmuEX0007802	chr11	85367816	85370825	85370990	85372573	+
Bcas3	MmuEX0007803	chr11	85370990	85372573	85372673	85390284	+
Bcas3	MmuEX0007804	chr11	85397496	85615287	85615454	85638704	+
Bcas3	MmuEX0007805	chr11	85449854	85454206	85454278	85615287	+
Bcas3	MmuEX0007806	chr11	85615454	85627502	85627567	85635524	+
Bcas3	MmuEX0007807	chr11	85168477	85173127	85173181	85179054	+
Bcas3	MmuEX0007808	chr11	85173181	85179054	85179129	85184559	+
Bcas3	MmuEX0007809	chr11	85166735	85168096	85168163	85168390	+

Bcas3	MmuEX0007810	chr11	85179129	85184559	85184665	85208841	+
Bcas3	MmuEX0007811	chr11	85309463	85322930	85323194	85345295	+
Bcas3	MmuEX0007812	chr11	85345445	85357430	85357474	85367692	+
Bcas3	MmuEX0007813	chr11	85173181	85174526	85174564	85179054	+
Bcas3	MmuEX0007814	chr11	85615454	85635524	85635614	85638704	+
Bccip	MmuEX0007820	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Bche	MmuEX0007821	chr3	73506021	73510461	73510516	73512057	-
Bche	MmuEX0007822	chr3	73452725	73504494	73506021	73512057	-
Bckdha	MmuEX0007823	chr7	26426845	26429062	26429168	26443652	-
Bckdha	MmuEX0007824	chr7	26416863	26418259	26418420	26423181	-
Bckdha	MmuEX0007825	chr7	26426845	26434247	26434297	26443652	-
Bckdhb	MmuEX0007826	chr9	83818966	83846131	83846208	83847320	+
Bckdhb	MmuEX0007827	chr9	83903958	83906116	83906226	83962712	+
Bckdhb	MmuEX0007828	chr9	83906226	83962712	83962798	84015841	+
Bckdhb	MmuEX0007829	chr9	83847388	83879585	83879729	83882383	+
Bckdhb	MmuEX0007830	chr9	83885429	83903861	83903958	83906116	+
Bckdhb	MmuEX0007831	chr9	83818966	83847320	83847388	83882383	+
Bckdhb	MmuEX0007832	chr9	83818966	83882383	83882516	83903861	+
Bckdhb	MmuEX0007833	chr9	83818966	83882748	83882903	83903861	+
Bckdhb	MmuEX0007834	chr9	83818966	83885321	83885429	83903861	+
Bckdk	MmuEX0007835	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Bcl2l11	MmuEX0007841	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Bcl2l11	MmuEX0007842	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Bcl2l12	MmuEX0007843	chr7	52246824	52248114	52248401	52249550	-
Bcl2l12	MmuEX0007844	chr7	52248401	52249550	52249641	52249733	-
Bcl2l13	MmuEX0007845	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Bcl2l13	MmuEX0007846	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Bcl2l13	MmuEX0007847	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Bcl2l13	MmuEX0007848	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Bcl2l13	MmuEX0007849	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Bcl2l13	MmuEX0007850	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Bcl3	MmuEX0007852	chr7	20394608	20394845	20395012	20396406	-
Bcl3	MmuEX0007853	chr7	20394405	20394491	20394608	20394845	-
Bcl3	MmuEX0007854	chr7	20397862	20405396	20405549	20407786	-
Bcl6	MmuEX0007855	chr16	23968523	23969992	23970159	23971501	-
Bcl6b	MmuEX0007856	chr11	70040575	70041129	70041253	70041536	-
Bcl7a	MmuEX0007857	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Bcl7b	MmuEX0007858	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Bcl7c	MmuEX0007859	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Bcl7c	MmuEX0007860	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Bcl9	MmuEX0007862	chr3	97016894	97017608	97017797	97019035	-
Bcl9	MmuEX0007863	chr3	97014639	97016795	97016894	97017608	-
Bcl9	MmuEX0007864	chr3	97025784	97027765	97027900	97101680	-
Bcl9l	MmuEX0007865	chr9	44309213	44309885	44310004	44313136	+
Bcl9l	MmuEX0007866	chr9	44313346	44313499	44313583	44313667	+
Bcl9l	MmuEX0007867	chr9	44315953	44316236	44316517	44316779	+
Bcl9l	MmuEX0007868	chr9	44291569	44297738	44297794	44308828	+

Bcl9l	MmuEX0007869	chr9	44291569	44307531	44307632	44308828	+
Bclaf1	MmuEX0007870	chr10	20048013	20049116	20049200	20051892	+
Bclaf1	MmuEX0007871	chr10	20052067	20052202	20052363	20053198	+
Bclaf1	MmuEX0007872	chr10	20053378	20054305	20054451	20059515	+
Bclaf1	MmuEX0007873	chr10	20045905	20046970	20047197	20047908	+
Bcor	MmuEX0007880	chrX	11624874	11625429	11625773	11626121	-
Bcor	MmuEX0007881	chrX	11624239	11624549	11624874	11625429	-
Bcor	MmuEX0007882	chrX	11632281	11632765	11632818	11633470	-
Bcor	MmuEX0007883	chrX	11615043	11616038	11616194	11616376	-
Bcorl1	MmuEX0007884	chrX	45724209	45728200	45728365	45730174	+
Bcorl1	MmuEX0007885	chrX	45732507	45737099	45737322	45742253	+
Bcorl1	MmuEX0007887	chrX	45730254	45732121	45732507	45737099	+
Bcr	MmuEX0007888	chr10	74525055	74587769	74587941	74593766	+
Bcr	MmuEX0007890	chr10	74619942	74620755	74620830	74622531	+
Bcr	MmuEX0007891	chr10	74630983	74636426	74636912	74638022	+
Bcs1l	MmuEX0007893	chr1	74637308	74637534	74637703	74638163	+
Bcs1l	MmuEX0007894	chr1	74635178	74636060	74636452	74636534	+
Bcs1l	MmuEX0007895	chr1	74636673	74636839	74637033	74637245	+
Bcs1l	MmuEX0007896	chr1	74637033	74637245	74637308	74637534	+
Bdh1	MmuEX0007897	chr16	31446750	31447639	31447749	31449910	+
Bdh1	MmuEX0007898	chr16	31438203	31445432	31445519	31446678	+
Bdp1	MmuEX0007904	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Bdp1	MmuEX0007905	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Bdp1	MmuEX0007906	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Bdp1	MmuEX0007907	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007912	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007913	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007914	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007915	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007916	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007917	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Becn1	MmuEX0007918	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Bend5	MmuEX0007925	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Bend5	MmuEX0007926	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Bend5	MmuEX0007927	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Bend7	MmuEX0007930	chr2	4641610	4661585	4661750	4665265	+
Bend7	MmuEX0007931	chr2	4641610	4665265	4665567	4670582	+
Bend7	MmuEX0007932	chr2	4639338	4641527	4641610	4665265	+
Bend7	MmuEX0007933	chr2	4684349	4709502	4709621	4717576	+
Bet1	MmuEX0007940	chr6	4028036	4029961	4030017	4032458	-
Bet1	MmuEX0007941	chr6	4030017	4030398	4031632	4032458	-
Bet1l	MmuEX0007942	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Bet1l	MmuEX0007943	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Bet1l	MmuEX0007944	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Bfar	MmuEX0007946	chr16	13689018	13692526	13692670	13697426	+
Bfar	MmuEX0007947	chr16	13692670	13697426	13697599	13698966	+
Bfar	MmuEX0007948	chr16	13685491	13687484	13687688	13692526	+

Bfar	MmuEX0007949	chr16	13685491	13688849	13688991	13692526	+
Bfar	MmuEX0007950	chr16	13689018	13690351	13690422	13692526	+
Bgn	MmuEX0007955	chrX	70729101	70735207	70735270	70736118	+
Bhlhe41	MmuEX0007956	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Bicc1	MmuEX0007958	chr10	70490715	70541938	70541984	70622169	-
Bicc1	MmuEX0007959	chr10	70394993	70398580	70398736	70403234	-
Bicc1	MmuEX0007960	chr10	70423962	70490646	70490715	70541938	-
Bicc1	MmuEX0007961	chr10	70419123	70419770	70419964	70420409	-
Bicc1	MmuEX0007962	chr10	70412873	70416143	70416274	70418872	-
Bicc1	MmuEX0007963	chr10	70388126	70390463	70390542	70393339	-
Bicc1	MmuEX0007964	chr10	70403787	70406118	70406283	70407973	-
Bicc1	MmuEX0007965	chr10	70410681	70412687	70412873	70416143	-
Bicd1	MmuEX0007968	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Bicd1	MmuEX0007969	chr6	1.49E+08	1.49E+08	1.49E+08	1.5E+08	+
Bicd2	MmuEX0007970	chr13	49478622	49479707	49479794	49480340	+
Bik	MmuEX0007972	chr15	83364581	83371725	83371872	83373495	+
Bin1	MmuEX0007973	chr18	32581614	32582929	32582940	32584474	+
Bin1	MmuEX0007974	chr18	32573944	32574599	32574691	32579497	+
Bin1	MmuEX0007975	chr18	32584621	32585878	32586006	32591637	+
Bin1	MmuEX0007976	chr18	32584621	32588850	32588957	32591637	+
Bin1	MmuEX0007977	chr18	32584621	32589354	32589377	32591637	+
Bin1	MmuEX0007978	chr18	32584621	32590404	32590511	32591325	+
Bin1	MmuEX0007979	chr18	32584621	32591325	32591396	32591637	+
Bin1	MmuEX0007980	chr18	32584621	32591637	32591747	32591978	+
Bin3	MmuEX0007982	chr14	70518459	70523648	70523688	70523990	+
Bin3	MmuEX0007983	chr14	70524051	70526102	70526322	70528657	+
Bin3	MmuEX0007984	chr14	70500003	70505626	70505794	70518411	+
Bin3	MmuEX0007985	chr14	70523849	70523990	70524051	70528657	+
Bin3	MmuEX0007986	chr14	70529365	70534257	70534398	70534543	+
Birc2	MmuEX0007987	chr9	7819561	7820974	7821219	7825615	-
Birc2	MmuEX0007988	chr9	7821219	7823992	7824065	7825615	-
Birc2	MmuEX0007989	chr9	7819062	7819307	7819561	7820974	-
Birc2	MmuEX0007990	chr9	7821219	7826931	7827009	7833505	-
Birc2	MmuEX0007991	chr9	7821219	7825615	7825663	7833505	-
Birc3	MmuEX0007992	chr9	7860362	7860463	7861407	7872823	-
Birc3	MmuEX0007993	chr9	7849713	7850920	7851086	7854367	-
Birc3	MmuEX0007994	chr9	7857438	7860317	7860362	7860463	-
Birc6	MmuEX0007997	chr17	74996378	74997379	74997512	74998323	+
Birc6	MmuEX0007998	chr17	74997512	74998323	74998484	74998577	+
Birc6	MmuEX0007999	chr17	74998708	74999210	74999307	75002305	+
Birc6	MmuEX0008000	chr17	75008728	75008977	75009076	75010335	+
Birc6	MmuEX0008002	chr17	75013772	75014560	75014697	75017776	+
Birc6	MmuEX0008003	chr17	75017903	75019047	75019178	75021376	+
Birc6	MmuEX0008004	chr17	75019178	75021376	75021591	75022249	+
Birc6	MmuEX0008005	chr17	75023246	75024446	75024579	75026302	+
Birc6	MmuEX0008006	chr17	75030454	75030951	75031077	75034136	+
Birc6	MmuEX0008007	chr17	75035236	75037683	75037810	75039120	+

Birc6	MmuEX0008008	chr17	75039682	75039783	75039909	75040973	+
Birc6	MmuEX0008009	chr17	75041148	75041601	75041697	75041832	+
Birc6	MmuEX0008010	chr17	75047679	75048963	75049743	75051248	+
Birc6	MmuEX0008011	chr17	75057691	75058499	75058695	75059722	+
Birc6	MmuEX0008012	chr17	75058695	75059722	75060022	75061941	+
Birc6	MmuEX0008013	chr17	75076719	75085461	75085633	75088558	+
Birc6	MmuEX0008014	chr17	75081766	75088558	75088703	75089698	+
Birc6	MmuEX0008015	chr17	75092865	75095577	75095765	75096725	+
Birc6	MmuEX0008016	chr17	74992589	74993704	74993793	74994210	+
Bivm	MmuEX0008018	chr1	44195504	44198623	44198719	44199694	+
Bivm	MmuEX0008019	chr1	44177119	44183111	44183711	44184483	+
Blm	MmuEX0008025	chr7	87605738	87608659	87608851	87609624	-
Blm	MmuEX0008027	chr7	87603882	87605616	87605738	87608659	-
Blm	MmuEX0008029	chr7	87639417	87640876	87640989	87642291	-
Blm	MmuEX0008030	chr7	87642409	87644639	87644830	87647169	-
Blmh	MmuEX0008032	chr11	76766091	76768012	76768104	76779317	+
Blmh	MmuEX0008033	chr11	76779472	76780234	76780392	76780496	+
Blmh	MmuEX0008034	chr11	76780392	76780496	76780563	76782105	+
Blmh	MmuEX0008035	chr11	76782222	76785411	76785480	76799978	+
Blmh	MmuEX0008036	chr11	76785480	76785718	76785751	76799978	+
Blmh	MmuEX0008037	chr11	76759941	76763462	76763571	76764546	+
Blvra	MmuEX0008039	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Blvra	MmuEX0008040	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Blvra	MmuEX0008041	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Blvra	MmuEX0008042	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Blvra	MmuEX0008043	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Blvra	MmuEX0008044	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Blzf1	MmuEX0008045	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Bmf	MmuEX0008046	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bmf	MmuEX0008048	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bmf	MmuEX0008049	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bmp1	MmuEX0008050	chr14	70894622	70904489	70904604	70905139	-
Bmp1	MmuEX0008051	chr14	70907365	70907806	70907984	70908263	-
Bmp1	MmuEX0008052	chr14	70904604	70905139	70905263	70907260	-
Bmp1	MmuEX0008053	chr14	70890058	70890354	70890514	70891158	-
Bmp1	MmuEX0008054	chr14	70892161	70892212	70892357	70892586	-
Bmp1	MmuEX0008055	chr14	70886079	70888277	70888988	70889827	-
Bmp1	MmuEX0008056	chr14	70886079	70886361	70886737	70889827	-
Bmp2k	MmuEX0008057	chr5	97466057	97467440	97467561	97469692	+
Bmp2k	MmuEX0008058	chr5	97497575	97503652	97503762	97515762	+
Bmper	MmuEX0008065	chr9	23204123	23210939	23211275	23277890	+
Bmper	MmuEX0008066	chr9	23105466	23170636	23170735	23178277	+
Bmper	MmuEX0008067	chr9	23178386	23180010	23180150	23182082	+
Bmper	MmuEX0008068	chr9	23185918	23203794	23204123	23210939	+
Bmpr1a	MmuEX0008069	chr14	35273798	35299391	35299527	35315581	-
Bmpr1a	MmuEX0008070	chr14	35261164	35273685	35273798	35315581	-
Bmpr2	MmuEX0008076	chr1	59898385	59899587	59899678	59902322	+

Bmpr2	MmuEX0008077	chr1	59920797	59923637	59923695	59924180	+
Bms1	MmuEX0008078	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bms1	MmuEX0008079	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bms1	MmuEX0008080	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bms1	MmuEX0008081	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bms1	MmuEX0008082	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bms1	MmuEX0008083	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bms1	MmuEX0008084	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Bnip1	MmuEX0008095	chr17	26919576	26920212	26920277	26920390	+
Bnip1	MmuEX0008096	chr17	26918121	26919523	26919576	26920390	+
Bnip1	MmuEX0008097	chr17	26920482	26923642	26923733	26926640	+
Bnip1	MmuEX0008098	chr17	26926741	26926865	26926909	26927871	+
Bnip2	MmuEX0008099	chr9	69851474	69852113	69852148	69854871	+
Bnip2	MmuEX0008100	chr9	69845064	69846055	69846113	69846901	+
Bnip2	MmuEX0008101	chr9	69845064	69846901	69847077	69848650	+
Bod1l	MmuEX0008105	chr5	42201337	42204361	42204445	42205370	-
Bod1l	MmuEX0008106	chr5	42224064	42224897	42225087	42229279	-
Bod1l	MmuEX0008107	chr5	42192479	42196391	42196470	42197928	-
Bod1l	MmuEX0008108	chr5	42186202	42186309	42186358	42189277	-
Bod1l	MmuEX0008109	chr5	42217840	42218348	42218459	42219992	-
Bod1l	MmuEX0008110	chr5	42213399	42215208	42215280	42217702	-
Bod1l	MmuEX0008111	chr5	42180188	42183036	42183176	42185466	-
Bod1l	MmuEX0008112	chr5	42205443	42207447	42207650	42208239	-
Bok	MmuEX0008113	chr1	95582523	95582995	95583246	95585734	+
Bola2	MmuEX0008115	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Bop1	MmuEX0008124	chr15	76285173	76285248	76285328	76285400	-
Bop1	MmuEX0008125	chr15	76286456	76297202	76297282	76305178	-
Bpgm	MmuEX0008126	chr6	34437950	34443336	34443398	34454271	+
Bphl	MmuEX0008127	chr13	34152434	34155779	34155902	34165545	+
Bphl	MmuEX0008128	chr13	34142303	34149681	34149871	34152303	+
Bphl	MmuEX0008129	chr13	34142303	34152303	34152434	34155779	+
Bphl	MmuEX0008130	chr13	34136396	34138655	34138821	34142150	+
Bpnt1	MmuEX0008135	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Bpnt1	MmuEX0008136	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Bpnt1	MmuEX0008137	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Bpnt1	MmuEX0008138	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Bpnt1	MmuEX0008139	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Bpnt1	MmuEX0008140	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Bptf	MmuEX0008141	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008142	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008143	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008144	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008145	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008146	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008147	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008148	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008149	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-

Bptf	MmuEX0008150	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008151	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008152	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008153	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008154	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008155	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Bptf	MmuEX0008156	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Braf	MmuEX0008157	chr6	39627640	39638243	39638344	39675106	-
Braf	MmuEX0008158	chr6	39589765	39590450	39590534	39593099	-
Braf	MmuEX0008159	chr6	39577839	39578608	39578654	39589589	-
Braf	MmuEX0008160	chr6	39560403	39564131	39564284	39565660	-
Braf	MmuEX0008161	chr6	39594379	39596724	39596843	39598449	-
Braf	MmuEX0008162	chr6	39598485	39598820	39598855	39601604	-
Brap	MmuEX0008163	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brap	MmuEX0008164	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brap	MmuEX0008165	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brap	MmuEX0008166	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brap	MmuEX0008167	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brap	MmuEX0008168	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brap	MmuEX0008169	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Brca2	MmuEX0008185	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Brca2	MmuEX0008186	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Brcc3	MmuEX0008191	chrX	72680891	72681445	72681533	72683275	+
Brcc3	MmuEX0008192	chrX	72692626	72693142	72693185	72695308	+
Brcc3	MmuEX0008193	chrX	72662180	72662916	72662932	72663750	+
Brd1	MmuEX0008194	chr15	88522314	88531203	88531700	88537464	-
Brd1	MmuEX0008195	chr15	88522314	88531390	88531700	88537464	-
Brd1	MmuEX0008196	chr15	88522314	88526791	88527104	88531203	-
Brd2	MmuEX0008197	chr17	34252209	34252307	34252521	34252613	-
Brd2	MmuEX0008198	chr17	34251423	34251523	34251595	34251835	-
Brd2	MmuEX0008199	chr17	34254156	34254431	34254511	34255551	-
Brd2	MmuEX0008200	chr17	34253280	34253543	34253634	34253853	-
Brd2	MmuEX0008201	chr17	34256845	34257140	34257531	34258428	-
Brd3	MmuEX0008202	chr2	27317263	27317941	27318088	27318975	-
Brd3	MmuEX0008203	chr2	27315348	27317049	27317263	27317941	-
Brd3	MmuEX0008204	chr2	27315348	27316444	27316522	27317049	-
Brd3	MmuEX0008205	chr2	27308594	27308920	27308970	27309833	-
Brd3	MmuEX0008206	chr2	27319713	27328096	27328134	27328919	-
Brd4	MmuEX0008207	chr17	32366680	32389986	32390145	32421463	-
Brd4	MmuEX0008208	chr17	32361167	32362521	32362658	32366362	-
Brd4	MmuEX0008209	chr17	32359110	32361032	32361167	32362521	-
Brd4	MmuEX0008210	chr17	32339665	32348112	32348222	32349784	-
Brd4	MmuEX0008211	chr17	32339665	32345642	32345720	32348112	-
Brd4	MmuEX0008213	chr17	32366680	32379191	32379383	32389986	-
Brd4	MmuEX0008214	chr17	32362658	32366362	32366680	32389986	-
Brd4	MmuEX0008215	chr17	32361167	32361804	32361931	32362521	-
Brd7	MmuEX0008216	chr8	90881928	90883683	90883824	90885401	-

Brd7	MmuEX0008217	chr8	90869123	90869729	90869852	90870773	-
Brd7	MmuEX0008218	chr8	90858115	90860980	90861036	90863308	-
Brd7	MmuEX0008219	chr8	90875809	90878031	90878164	90878528	-
Brd7	MmuEX0008220	chr8	90861036	90863308	90863419	90866634	-
Brd8	MmuEX0008221	chr18	34770922	34771079	34771144	34771407	-
Brd8	MmuEX0008222	chr18	34766120	34766329	34766422	34766693	-
Brd8	MmuEX0008223	chr18	34759895	34761857	34761901	34762326	-
Brd8	MmuEX0008224	chr18	34759895	34760261	34760502	34761857	-
Brd8	MmuEX0008225	chr18	34772755	34772870	34772950	34774102	-
Brd8	MmuEX0008226	chr18	34771144	34771407	34771577	34772691	-
Brd8	MmuEX0008227	chr18	34767709	34768072	34768281	34769459	-
Brd8	MmuEX0008228	chr18	34769603	34770064	34770282	34770786	-
Brd8	MmuEX0008229	chr18	34765342	34766074	34766120	34766329	-
Brd8	MmuEX0008230	chr18	34765342	34765582	34765640	34766074	-
Brd8	MmuEX0008231	chr18	34764320	34764485	34764577	34765128	-
Brd8	MmuEX0008232	chr18	34774224	34774402	34774451	34776319	-
Brd8	MmuEX0008233	chr18	34772950	34774102	34774224	34774402	-
Brd9	MmuEX0008234	chr13	74085220	74087523	74087655	74088982	+
Brd9	MmuEX0008235	chr13	74087655	74088982	74089093	74091993	+
Brd9	MmuEX0008236	chr13	74092972	74093878	74093964	74095161	+
Brd9	MmuEX0008237	chr13	74076445	74077685	74077745	74078094	+
Brd9	MmuEX0008238	chr13	74078238	74079392	74079502	74080139	+
Brd9	MmuEX0008239	chr13	74078238	74078356	74078564	74079392	+
Bre	MmuEX0008242	chr5	32133532	32203428	32203537	32303734	+
Bre	MmuEX0008243	chr5	32203537	32303734	32303833	32307083	+
Bre	MmuEX0008244	chr5	32000450	32004199	32004300	32033340	+
Bre	MmuEX0008245	chr5	32004350	32004404	32004476	32033340	+
Bre	MmuEX0008246	chr5	32004350	32033340	32033416	32087951	+
Bre	MmuEX0008247	chr5	32088045	32122851	32123045	32133458	+
Bre	MmuEX0008248	chr5	32123045	32133458	32133532	32203428	+
Brf1	MmuEX0008249	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Brf1	MmuEX0008250	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Brf1	MmuEX0008251	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Brf1	MmuEX0008252	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Brf1	MmuEX0008253	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Brf1	MmuEX0008254	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Brf2	MmuEX0008255	chr8	28235092	28235922	28236111	28236292	-
Bri3	MmuEX0008256	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Bri3bp	MmuEX0008257	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Bri3bp	MmuEX0008258	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Brix1	MmuEX0008269	chr15	10413161	10415110	10415171	10415490	-
Brms1	MmuEX0008270	chr19	5046911	5047392	5047484	5048509	+
Brms1	MmuEX0008271	chr19	5046911	5047146	5047288	5047392	+
Brms1	MmuEX0008272	chr19	5048573	5048993	5049032	5049407	+
Brms1l	MmuEX0008273	chr12	56937632	56940480	56940558	56942558	+
Brms1l	MmuEX0008274	chr12	56945510	56946271	56946350	56961078	+
Brms1l	MmuEX0008275	chr12	56967064	56969149	56969392	56969484	+

Brms1l	MmuEX0008276	chr12	56946350	56961078	56961174	56962075	+
Brms1l	MmuEX0008277	chr12	56946350	56962075	56962158	56966938	+
Brms1l	MmuEX0008278	chr12	56946350	56962377	56962441	56966938	+
Brms1l	MmuEX0008279	chr12	56962441	56964121	56964160	56966938	+
Brp16	MmuEX0008281	chr15	76199999	76200082	76200182	76200286	+
Brp44	MmuEX0008282	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Brp44l	MmuEX0008283	chr17	8481603	8486280	8486283	8487535	+
Brpf1	MmuEX0008284	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Brpf1	MmuEX0008285	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Brpf1	MmuEX0008286	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Brpf3	MmuEX0008288	chr17	28947614	28951531	28951662	28954010	+
Brpf3	MmuEX0008289	chr17	28954743	28955281	28955583	28958031	+
Brpf3	MmuEX0008290	chr17	28961011	28962214	28962371	28965289	+
Brpf3	MmuEX0008292	chr17	28944344	28945438	28945461	28947458	+
Brpf3	MmuEX0008293	chr17	28958537	28960918	28961011	28972707	+
Brpf3	MmuEX0008294	chr17	28961011	28965289	28965386	28972707	+
Brpf3	MmuEX0008295	chr17	28965386	28968259	28968356	28972707	+
Brsk1	MmuEX0008297	chr7	4659774	4660420	4660618	4662024	+
Brwd1	MmuEX0008305	chr16	96269054	96274132	96274266	96275439	-
Brwd1	MmuEX0008306	chr16	96264701	96266071	96266254	96267952	-
Brwd1	MmuEX0008307	chr16	96290234	96303421	96303480	96303585	-
Brwd1	MmuEX0008308	chr16	96262990	96264608	96264701	96266071	-
Brwd1	MmuEX0008309	chr16	96259592	96262859	96262990	96264608	-
Brwd1	MmuEX0008310	chr16	96249895	96252242	96252324	96253134	-
Brwd1	MmuEX0008311	chr16	96288201	96290084	96290234	96303421	-
Brwd1	MmuEX0008312	chr16	96249013	96249784	96249895	96252242	-
Brwd1	MmuEX0008313	chr16	96245130	96245328	96245483	96248952	-
Brwd1	MmuEX0008314	chr16	96241067	96241286	96241361	96242823	-
Brwd1	MmuEX0008315	chr16	96235482	96237715	96237867	96239188	-
Brwd1	MmuEX0008316	chr16	96287792	96288103	96288201	96290084	-
Brwd1	MmuEX0008317	chr16	96286578	96287632	96287792	96288103	-
Brwd1	MmuEX0008318	chr16	96239331	96241026	96241067	96241286	-
Brwd3	MmuEX0008323	chrX	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Brwd3	MmuEX0008325	chrX	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Brwd3	MmuEX0008326	chrX	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Bscl2	MmuEX0008328	chr19	8920814	8920956	8921053	8921896	+
Bscl2	MmuEX0008329	chr19	8921053	8921896	8922037	8922157	+
Bscl2	MmuEX0008330	chr19	8914274	8915598	8915914	8917499	+
Bscl2	MmuEX0008331	chr19	8915914	8917499	8917580	8919661	+
Bscl2	MmuEX0008332	chr19	8915914	8916919	8917092	8917499	+
Bscl2	MmuEX0008333	chr19	8922037	8922157	8922223	8922404	+
Bsdc1	MmuEX0008334	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Bsdc1	MmuEX0008335	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Bsdc1	MmuEX0008336	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Bsdc1	MmuEX0008337	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Bsg	MmuEX0008338	chr10	79167329	79171636	79171789	79172416	+
Bst2	MmuEX0008348	chr8	74059724	74060258	74060333	74061027	-

Bst2	MmuEX0008349	chr8	74058691	74059685	74059724	74060258	-
Btaf1	MmuEX0008350	chr19	37000891	37019702	37019825	37023558	+
Btaf1	MmuEX0008351	chr19	37041077	37041166	37041342	37043546	+
Btaf1	MmuEX0008352	chr19	37043686	37044404	37044528	37047388	+
Btaf1	MmuEX0008353	chr19	37044528	37047388	37047508	37052805	+
Btaf1	MmuEX0008354	chr19	37047508	37052805	37052909	37055067	+
Btaf1	MmuEX0008355	chr19	37056311	37057302	37057493	37057939	+
Btaf1	MmuEX0008356	chr19	37056311	37057939	37058142	37060945	+
Btaf1	MmuEX0008357	chr19	37019825	37023558	37023672	37025524	+
Btaf1	MmuEX0008358	chr19	37058142	37060945	37061371	37062471	+
Btaf1	MmuEX0008359	chr19	37023672	37025524	37025667	37030861	+
Btaf1	MmuEX0008360	chr19	37069456	37071020	37071097	37071996	+
Btaf1	MmuEX0008361	chr19	37079133	37084070	37084229	37084502	+
Btaf1	MmuEX0008362	chr19	37025667	37030861	37031024	37032863	+
Btaf1	MmuEX0008363	chr19	37032999	37036129	37036258	37036921	+
Btaf1	MmuEX0008364	chr19	37036258	37036921	37036989	37040108	+
Btaf1	MmuEX0008365	chr19	37031024	37032863	37032999	37036129	+
Btbd10	MmuEX0008366	chr7	1.2E+08	1.21E+08	1.21E+08	1.21E+08	-
Btbd10	MmuEX0008367	chr7	1.2E+08	1.2E+08	1.2E+08	1.21E+08	-
Btbd11	MmuEX0008369	chr10	85094173	85094834	85095054	85096429	+
Btbd19	MmuEX0008374	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Btbd19	MmuEX0008375	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Btbd19	MmuEX0008376	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Btbd2	MmuEX0008379	chr10	80106436	80106571	80106717	80107007	-
Btbd3	MmuEX0008381	chr2	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Btbd6	MmuEX0008382	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Btbd7	MmuEX0008383	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd7	MmuEX0008384	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd7	MmuEX0008385	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd7	MmuEX0008386	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd7	MmuEX0008388	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd7	MmuEX0008389	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd7	MmuEX0008390	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Btbd9	MmuEX0008394	chr17	30365823	30411799	30411906	30436476	-
Btbd9	MmuEX0008395	chr17	30357515	30365745	30365823	30411799	-
Btbd9	MmuEX0008396	chr17	30471277	30565032	30565094	30650501	-
Btbd9	MmuEX0008397	chr17	30436665	30471168	30471277	30650501	-
Btbd9	MmuEX0008398	chr17	30471277	30650501	30650620	30654049	-
Btbd9	MmuEX0008399	chr17	30654268	30667099	30667284	30713091	-
Btbd9	MmuEX0008400	chr17	30654268	30664247	30664610	30713091	-
Btbd9	MmuEX0008401	chr17	30654268	30661658	30661922	30713091	-
Btd	MmuEX0008402	chr14	32475511	32479068	32479217	32479927	+
Btd	MmuEX0008403	chr14	32454321	32475256	32475511	32479068	+
Btf3l4	MmuEX0008404	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Btnl9	MmuEX0008411	chr11	48994390	48996468	48996594	49000490	-
Btrc	MmuEX0008412	chr19	45438376	45481035	45481076	45497623	+
Btrc	MmuEX0008413	chr19	45438376	45497623	45497730	45531023	+

Btrc	MmuEX0008414	chr19	45588616	45590348	45590597	45591505	+
Btrc	MmuEX0008415	chr19	45497730	45511822	45511893	45531023	+
Btrc	MmuEX0008416	chr19	45497730	45531023	45531100	45545505	+
Btrc	MmuEX0008417	chr19	45531100	45545505	45545594	45577422	+
Btrc	MmuEX0008418	chr19	45545594	45577422	45577653	45582174	+
Btrc	MmuEX0008419	chr19	45582360	45587135	45587231	45587877	+
Bub1b	MmuEX0008430	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Bub1b	MmuEX0008431	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Bub1b	MmuEX0008432	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Bub3	MmuEX0008433	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Bud13	MmuEX0008434	chr9	46091256	46094426	46094516	46095100	+
Bud31	MmuEX0008435	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Bves	MmuEX0008436	chr10	45073723	45074557	45074698	45088997	+
Bves	MmuEX0008437	chr10	45055687	45059026	45059262	45062840	+
Bzw2	MmuEX0008446	chr12	36836462	36840555	36840664	36845574	-
Bzw2	MmuEX0008447	chr12	36819676	36830270	36830413	36830849	-
Bzw2	MmuEX0008448	chr12	36819676	36827192	36827330	36830849	-
Bzw2	MmuEX0008449	chr12	36847371	36850522	36850625	36856579	-
C030006K11Rik	MmuEX0008450	chr15	76553413	76553601	76553649	76554085	-
C030037D09Rik	MmuEX0008457	chr11	88580331	88581810	88581886	88588855	+
C030037D09Rik	MmuEX0008458	chr11	88581886	88582007	88582145	88588855	+
C030037D09Rik	MmuEX0008459	chr11	88581886	88583964	88584012	88588855	+
C030037D09Rik	MmuEX0008460	chr11	88581886	88588855	88588954	88589473	+
C030039L03Rik	MmuEX0008461	chr7	28474505	28476234	28476314	28477501	+
C030046E11Rik	MmuEX0008463	chr19	29654458	29655613	29655656	29658665	+
C030046E11Rik	MmuEX0008464	chr19	29607762	29609664	29609728	29615746	+
C030046E11Rik	MmuEX0008465	chr19	29607762	29615746	29615825	29636475	+
C030046E11Rik	MmuEX0008466	chr19	29672395	29672480	29672616	29674322	+
C030046E11Rik	MmuEX0008467	chr19	29674608	29675308	29675499	29676763	+
C030046E11Rik	MmuEX0008468	chr19	29654458	29658665	29658703	29658957	+
C030046E11Rik	MmuEX0008469	chr19	29658703	29658957	29659067	29660271	+
C030046I01Rik	MmuEX0008470	chr10	79376091	79376302	79376456	79379568	-
C030046I01Rik	MmuEX0008471	chr10	79376456	79376891	79377000	79378092	-
C030046I01Rik	MmuEX0008472	chr10	79375514	79375970	79376091	79376302	-
C030048B08Rik	MmuEX0008473	chr5	3591815	3595255	3595445	3595966	-
C130026I21Rik	MmuEX0008476	chr1	85242282	85242872	85243711	85244874	-
C130026I21Rik	MmuEX0008477	chr1	85251151	85253961	85254044	85256270	-
C130039O16Rik	MmuEX0008479	chr12	85497526	85499205	85499293	85499926	-
C130039O16Rik	MmuEX0008480	chr12	85496057	85497377	85497526	85499205	-
C130039O16Rik	MmuEX0008481	chr12	85493981	85495845	85496057	85497377	-
C1galt1	MmuEX0008485	chr6	7814141	7816376	7817043	7821054	+
C1qbp	MmuEX0008486	chr11	70791746	70791930	70792052	70792191	-
C1qtnf2	MmuEX0008487	chr11	43294471	43299323	43299575	43304226	+
C1qtnf6	MmuEX0008489	chr15	78357898	78359698	78359833	78361723	-
C1qtnf6	MmuEX0008490	chr15	78355617	78355784	78355828	78357658	-
C1qtnf7	MmuEX0008491	chr5	43907225	44000292	44000537	44006859	+
C1qtnf9	MmuEX0008493	chr14	61387005	61391113	61391299	61395862	+

C1rl	MmuEX0008494	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
C230052I12Rik	MmuEX0008504	chr7	36178110	36179994	36180146	36180256	-
C230081A13Rik	MmuEX0008505	chr9	56108569	56166470	56166627	56222183	-
C230081A13Rik	MmuEX0008506	chr9	56089151	56102504	56102691	56105334	-
C230081A13Rik	MmuEX0008507	chr9	56166627	56222183	56222246	56265668	-
C230096C10Rik	MmuEX0008508	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C230096C10Rik	MmuEX0008509	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C230096C10Rik	MmuEX0008510	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C230096C10Rik	MmuEX0008511	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C230096C10Rik	MmuEX0008512	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C230096C10Rik	MmuEX0008513	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C230096C10Rik	MmuEX0008514	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
C2cd2	MmuEX0008515	chr16	98113915	98134216	98134314	98143665	-
C2cd2	MmuEX0008516	chr16	98091887	98093951	98093990	98096736	-
C2cd2	MmuEX0008517	chr16	98090523	98091760	98091887	98096736	-
C2cd2	MmuEX0008518	chr16	98081183	98081943	98082024	98086361	-
C2cd2	MmuEX0008519	chr16	98105003	98107694	98107816	98111620	-
C2cd2	MmuEX0008520	chr16	98081183	98086361	98086397	98090199	-
C2cd2	MmuEX0008521	chr16	98096849	98096936	98097028	98097827	-
C2cd2	MmuEX0008522	chr16	98107816	98113796	98113915	98134216	-
C2cd2	MmuEX0008523	chr16	98107816	98111620	98111724	98134216	-
C2cd2l	MmuEX0008524	chr9	44122094	44122238	44122339	44122963	-
C2cd2l	MmuEX0008525	chr9	44119350	44121589	44121874	44121961	-
C2cd2l	MmuEX0008526	chr9	44124901	44125083	44125202	44125666	-
C2cd3	MmuEX0008527	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008528	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008529	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008530	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008531	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008532	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008533	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008534	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008535	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008536	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008537	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008538	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008540	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C2cd3	MmuEX0008541	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
C3	MmuEX0008543	chr17	57345168	57345613	57345718	57346757	-
C3	MmuEX0008544	chr17	57343809	57343890	57343973	57344720	-
C330006K01Rik	MmuEX0008549	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
C330006K01Rik	MmuEX0008550	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
C330006K01Rik	MmuEX0008551	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
C330006K01Rik	MmuEX0008552	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
C330006K01Rik	MmuEX0008553	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
C330006K01Rik	MmuEX0008554	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
C330018D20Rik	MmuEX0008557	chr18	57117575	57117772	57117841	57118177	-

C330018D20Rik	MmuEX0008558	chr18	57122172	57132459	57132597	57133038	-
C330018D20Rik	MmuEX0008559	chr18	57122172	57126747	57126843	57133038	-
C330018D20Rik	MmuEX0008560	chr18	57117575	57122055	57122172	57133038	-
C330018D20Rik	MmuEX0008561	chr18	57117575	57118177	57118233	57133038	-
C330019G07Rik	MmuEX0008563	chr5	33163413	33164716	33164787	33169607	-
C330019G07Rik	MmuEX0008565	chr5	33174507	33178265	33178337	33186693	-
C330019G07Rik	MmuEX0008567	chr5	33178337	33186693	33187213	33196742	-
C330019L16Rik	MmuEX0008568	chr7	49871403	49871603	49871729	49897823	-
C330019L16Rik	MmuEX0008569	chr7	49869626	49871343	49871403	49871603	-
C330027C09Rik	MmuEX0008573	chr16	49013984	49014078	49014188	49015006	+
C330027C09Rik	MmuEX0008574	chr16	48994492	48997484	48997604	48999068	+
C4a	MmuEX0008582	chr17	34948808	34949768	34949827	34950335	-
C4a	MmuEX0008583	chr17	34948808	34948940	34949143	34949768	-
C4a	MmuEX0008584	chr17	34947154	34948715	34948808	34949768	-
C4a	MmuEX0008585	chr17	34947154	34948495	34948628	34948715	-
C4a	MmuEX0008586	chr17	34947154	34948263	34948353	34948448	-
C4a	MmuEX0008587	chr17	34947154	34948059	34948133	34948263	-
C4a	MmuEX0008588	chr17	34947321	34947443	34947545	34948059	-
C4a	MmuEX0008589	chr17	34947154	34947232	34947321	34947443	-
C4a	MmuEX0008590	chr17	34946553	34947056	34947154	34947232	-
C4a	MmuEX0008591	chr17	34946553	34946838	34946921	34947056	-
C4b	MmuEX0008594	chr17	34876785	34876881	34877066	34877212	-
C4b	MmuEX0008595	chr17	34868114	34869115	34869174	34869669	-
C4b	MmuEX0008596	chr17	34866610	34866749	34866851	34867365	-
C4b	MmuEX0008597	chr17	34866443	34866521	34866610	34866749	-
C4b	MmuEX0008598	chr17	34865842	34866127	34866210	34866345	-
C630004H02Rik	MmuEX0008611	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
C630004H02Rik	MmuEX0008613	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
C630004H02Rik	MmuEX0008614	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
C78339	MmuEX0008623	chr13	46769038	46769622	46769761	46770881	+
C80913	MmuEX0008630	chr7	38767967	38781706	38781740	38804129	-
C80913	MmuEX0008631	chr7	38750598	38752340	38752508	38754399	-
C80913	MmuEX0008632	chr7	38752508	38754399	38754456	38754625	-
C85492	MmuEX0008635	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
C87436	MmuEX0008638	chr6	86399859	86403603	86403707	86407810	+
C87436	MmuEX0008639	chr6	86412675	86415795	86415957	86419740	+
C87436	MmuEX0008640	chr6	86393969	86395428	86396262	86397305	+
C87436	MmuEX0008641	chr6	86397415	86399755	86399859	86403603	+
C87436	MmuEX0008642	chr6	86388841	86389118	86389252	86393721	+
C87436	MmuEX0008643	chr6	86396262	86397335	86397415	86399755	+
C87436	MmuEX0008644	chr6	86403707	86404254	86404307	86407810	+
C87436	MmuEX0008645	chr6	86407917	86412575	86412675	86415795	+
C8g	MmuEX0008651	chr2	25354343	25354425	25354463	25354534	-
CT009755.1	MmuEX0008662	chr17	22019051	22024278	22024325	22045016	-
CT485616.2	MmuEX0008665	chr17	32657575	32659063	32659184	32660947	+
CT485616.2	MmuEX0008669	chr17	32664919	32664992	32665056	32665221	+
CT485616.2	MmuEX0008670	chr17	32665056	32665221	32665303	32665662	+

Cab39	MmuEX0008671	chr1	87690396	87714932	87715088	87731898	+
Cab39	MmuEX0008672	chr1	87690396	87691932	87692048	87714932	+
Cab39l	MmuEX0008673	chr14	60145652	60147679	60147744	60157899	+
Cab39l	MmuEX0008674	chr14	60078078	60080472	60080539	60115640	+
Cab39l	MmuEX0008675	chr14	60059859	60063034	60063167	60077931	+
Cab39l	MmuEX0008676	chr14	60080539	60096869	60096910	60115640	+
Cab39l	MmuEX0008677	chr14	60080539	60097881	60098021	60115640	+
Cab39l	MmuEX0008678	chr14	60080539	60115640	60115781	60125102	+
Cab39l	MmuEX0008679	chr14	60080539	60118381	60118448	60125102	+
Cab39l	MmuEX0008680	chr14	60138571	60145593	60145652	60147679	+
Cabin1	MmuEX0008681	chr10	75206083	75207974	75208142	75209233	-
Cabin1	MmuEX0008682	chr10	75205207	75205947	75206083	75207974	-
Cabin1	MmuEX0008683	chr10	75195260	75196365	75196521	75197711	-
Cabin1	MmuEX0008684	chr10	75189764	75195145	75195260	75196365	-
Cabin1	MmuEX0008685	chr10	75162840	75174880	75175026	75176198	-
Cabin1	MmuEX0008686	chr10	75162840	75163013	75163087	75176198	-
Cabin1	MmuEX0008687	chr10	75120637	75121379	75121542	75147037	-
Cabin1	MmuEX0008688	chr10	75216256	75216996	75217109	75217557	-
Cabin1	MmuEX0008689	chr10	75110966	75115620	75115887	75118111	-
Cabin1	MmuEX0008690	chr10	75209519	75210571	75210720	75212789	-
Cabin1	MmuEX0008691	chr10	75109432	75109620	75109846	75110802	-
Cabin1	MmuEX0008692	chr10	75121542	75130287	75130663	75147037	-
Cabin1	MmuEX0008693	chr10	75189764	75191771	75191880	75195145	-
Cabin1	MmuEX0008694	chr10	75188149	75188294	75188426	75189603	-
Cabin1	MmuEX0008695	chr10	75157791	75162658	75162840	75176198	-
Cables1	MmuEX0008697	chr18	12083480	12084770	12084873	12098228	+
Cables1	MmuEX0008698	chr18	12047338	12064434	12064511	12081869	+
Cables1	MmuEX0008699	chr18	12081965	12083324	12083480	12084770	+
Cables1	MmuEX0008700	chr18	12084873	12098228	12098334	12099689	+
Cables2	MmuEX0008701	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Cables2	MmuEX0008702	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Cables2	MmuEX0008703	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Cacna1c	MmuEX0008743	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008744	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008745	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008746	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008747	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008748	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008749	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008750	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008751	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1c	MmuEX0008752	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cacna1g	MmuEX0008786	chr11	94278018	94278155	94278225	94278469	-
Cacna1g	MmuEX0008787	chr11	94280284	94284985	94285038	94287078	-
Cacna1s	MmuEX0008804	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Cacna1s	MmuEX0008805	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Cacna2d1	MmuEX0008806	chr5	15752615	15770076	15770145	15772505	+

Cacna2d1	MmuEX0008807	chr5	15805905	15808111	15808215	15818319	+
Cacna2d1	MmuEX0008808	chr5	15846601	15847808	15847828	15848501	+
Cacna2d1	MmuEX0008809	chr5	15531683	15668811	15668870	15700573	+
Cacna2d1	MmuEX0008810	chr5	15848561	15855230	15855327	15858409	+
Cacna2d1	MmuEX0008811	chr5	15865054	15865214	15865319	15867638	+
Cacna2d1	MmuEX0008812	chr5	15825976	15828357	15828413	15832130	+
Cacnb1	MmuEX0008832	chr11	97870992	97871172	97871230	97871610	-
Cacnb1	MmuEX0008834	chr11	97871690	97872657	97872811	97873180	-
Cacnb1	MmuEX0008836	chr11	97871230	97871610	97871686	97873180	-
Cacnb2	MmuEX0008838	chr2	14885609	14889569	14889702	14893189	+
Cacnb2	MmuEX0008839	chr2	14535983	14796397	14796516	14880393	+
Cacnb3	MmuEX0008843	chr15	98471889	98472047	98472156	98472370	+
Cacng7	MmuEX0008851	chr7	3336880	3338545	3338631	3338986	+
Cacng7	MmuEX0008852	chr7	3333136	3336656	3336880	3338545	+
Cad	MmuEX0008855	chr5	31371606	31371892	31372059	31372668	+
Cad	MmuEX0008857	chr5	31375646	31375864	31376065	31376371	+
Cad	MmuEX0008858	chr5	31377068	31377210	31377366	31377462	+
Cad	MmuEX0008859	chr5	31361192	31361354	31361495	31361806	+
Cad	MmuEX0008860	chr5	31378497	31378591	31378665	31379047	+
Cad	MmuEX0008861	chr5	31362584	31362854	31362999	31363201	+
Cad	MmuEX0008862	chr5	31374477	31374675	31374756	31374930	+
Cad	MmuEX0008863	chr5	31377558	31377844	31377894	31378182	+
Cad	MmuEX0008864	chr5	31379259	31379466	31379591	31379724	+
Cadm1	MmuEX0008865	chr9	47637492	47656250	47656381	47658355	+
Cadm1	MmuEX0008866	chr9	47605627	47607455	47607613	47618127	+
Cadm1	MmuEX0008867	chr9	47607613	47618127	47618226	47621856	+
Cadm1	MmuEX0008868	chr9	47622028	47626817	47626900	47637460	+
Cadm1	MmuEX0008869	chr9	47626900	47637460	47637492	47656250	+
Cadm4	MmuEX0008877	chr7	25267181	25284175	25284321	25284532	+
Cadm4	MmuEX0008878	chr7	25285077	25285495	25285659	25285751	+
Cage1	MmuEX0008907	chr13	38120059	38124234	38124493	38128657	-
Cage1	MmuEX0008908	chr13	38115337	38119972	38120059	38128657	-
Cage1	MmuEX0008910	chr13	38111182	38114282	38115337	38117152	-
Calcoco1	MmuEX0008916	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Calcr1	MmuEX0008919	chr2	84247743	84254880	84254991	84265227	-
Calcr1	MmuEX0008920	chr2	84179586	84185180	84185246	84185327	-
Calcr1	MmuEX0008921	chr2	84178701	84179368	84179586	84185180	-
Calcr1	MmuEX0008922	chr2	84217202	84247676	84247743	84265227	-
Cald1	MmuEX0008923	chr6	34708124	34712110	34712153	34712251	+
Cald1	MmuEX0008924	chr6	34548665	34612128	34612216	34635963	+
Cald1	MmuEX0008925	chr6	34696090	34697892	34697969	34703443	+
Cald1	MmuEX0008926	chr6	34716198	34719549	34719662	34721048	+
Calm1	MmuEX0008927	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Calm2	MmuEX0008928	chr17	87835274	87842036	87842066	87846133	-
Calr	MmuEX0008936	chr8	87368864	87369761	87369964	87370149	-
Calr3	MmuEX0008937	chr8	74962534	74967294	74967395	74967492	-
Calr3	MmuEX0008938	chr8	74949758	74951061	74951192	74951969	-

Calu	MmuEX0008940	chr6	29311753	29316040	29316206	29316917	+
Calu	MmuEX0008941	chr6	29306697	29311294	29311487	29316040	+
Calu	MmuEX0008942	chr6	29306697	29311560	29311753	29316040	+
Camk1	MmuEX0008944	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Camk2a	MmuEX0008952	chr18	61129696	61137594	61137669	61139714	+
Camk2a	MmuEX0008953	chr18	61137669	61139714	61139808	61143980	+
Camk2a	MmuEX0008954	chr18	61139808	61140433	61140520	61143980	+
Camk2a	MmuEX0008956	chr18	61123617	61128665	61128697	61129648	+
Camk2b	MmuEX0008961	chr11	5890249	5890323	5890425	5892823	-
Camk2b	MmuEX0008963	chr11	5872891	5878402	5878515	5879676	-
Camk2b	MmuEX0008964	chr11	5872891	5877815	5877943	5879676	-
Camk2b	MmuEX0008965	chr11	5872891	5876768	5876896	5879676	-
Camk2b	MmuEX0008966	chr11	5879724	5881073	5881117	5882504	-
Camk2d	MmuEX0008967	chr3	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Camk2d	MmuEX0008968	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Camk2d	MmuEX0008969	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Camk2d	MmuEX0008970	chr3	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Camk2d	MmuEX0008971	chr3	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Camk2d	MmuEX0008972	chr3	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Camk2d	MmuEX0008973	chr3	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Camk2d	MmuEX0008974	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Camk2d	MmuEX0008975	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Camk2d	MmuEX0008976	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Camk2g	MmuEX0008977	chr14	21579702	21581550	21581666	21583368	-
Camk2g	MmuEX0008978	chr14	21558624	21560600	21560713	21561927	-
Camk2g	MmuEX0008979	chr14	21556074	21556481	21556725	21558071	-
Camk2g	MmuEX0008980	chr14	21590283	21597385	21597460	21598426	-
Camk2g	MmuEX0008981	chr14	21585236	21585375	21585447	21589286	-
Camk2g	MmuEX0008982	chr14	21583490	21584083	21584177	21584618	-
Camk2g	MmuEX0008983	chr14	21574924	21576888	21576950	21579366	-
Camk2g	MmuEX0008984	chr14	21563870	21567041	21567073	21574881	-
Camk2g	MmuEX0008985	chr14	21563870	21565014	21565082	21574881	-
Camk2g	MmuEX0008986	chr14	21590283	21598426	21598485	21611741	-
Camk2g	MmuEX0008987	chr14	21589351	21590229	21590283	21598426	-
Camk2n1	MmuEX0008988	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Camkk1	MmuEX0008993	chr11	72851479	72851914	72852017	72853723	+
Camkk2	MmuEX0008997	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Camkk2	MmuEX0008998	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Camkk2	MmuEX0008999	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Caml	MmuEX0009000	chr13	55726532	55729938	55730003	55733170	+
Camsap1	MmuEX0009002	chr2	25789855	25790982	25791081	25791370	-
Camsap1l1	MmuEX0009006	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Camsap1l1	MmuEX0009007	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Camsap1l1	MmuEX0009008	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Camsap1l1	MmuEX0009009	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Camsap1l1	MmuEX0009010	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Camsap1l1	MmuEX0009011	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-

Camta1	MmuEX0009013	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta1	MmuEX0009014	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta1	MmuEX0009015	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Camta1	MmuEX0009016	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta1	MmuEX0009017	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta1	MmuEX0009018	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Camta1	MmuEX0009019	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Camta1	MmuEX0009020	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta1	MmuEX0009021	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta1	MmuEX0009022	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Camta2	MmuEX0009025	chr11	70491920	70493029	70493155	70494327	-
Camta2	MmuEX0009026	chr11	70488336	70488658	70488736	70489055	-
Camta2	MmuEX0009027	chr11	70483922	70484051	70484238	70484393	-
Camta2	MmuEX0009028	chr11	70484238	70484393	70484413	70484510	-
Camta2	MmuEX0009029	chr11	70496549	70496781	70496852	70497392	-
Camta2	MmuEX0009030	chr11	70485582	70487456	70487757	70488658	-
Cand1	MmuEX0009031	chr10	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cand1	MmuEX0009032	chr10	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cand1	MmuEX0009033	chr10	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cand1	MmuEX0009034	chr10	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cand2	MmuEX0009035	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Cand2	MmuEX0009036	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Cand2	MmuEX0009037	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Cand2	MmuEX0009038	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Cand2	MmuEX0009039	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Cant1	MmuEX0009040	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cant1	MmuEX0009041	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Canx	MmuEX0009042	chr11	50123932	50124296	50124369	50125106	-
Canx	MmuEX0009043	chr11	50121893	50122290	50122431	50123874	-
Canx	MmuEX0009044	chr11	50111738	50112631	50112846	50114400	-
Cap2	MmuEX0009045	chr13	46597580	46620307	46620391	46620784	+
Cap2	MmuEX0009046	chr13	46735491	46741895	46742035	46743650	+
Cap2	MmuEX0009047	chr13	46735491	46740100	46740347	46741895	+
Cap2	MmuEX0009048	chr13	46705108	46705433	46705518	46710619	+
Capg	MmuEX0009049	chr6	72505643	72505745	72505899	72506079	+
Capg	MmuEX0009050	chr6	72505302	72505471	72505643	72505745	+
Capn1	MmuEX0009051	chr19	6007412	6007500	6007574	6008676	-
Capn1	MmuEX0009052	chr19	6009170	6011015	6011183	6011297	-
Capn1	MmuEX0009053	chr19	6013707	6013996	6014065	6014201	-
Capn10	MmuEX0009054	chr1	94831591	94834522	94834653	94835900	+
Capn10	MmuEX0009055	chr1	94841474	94841594	94841855	94843351	+
Capn10	MmuEX0009056	chr1	94843550	94843792	94843837	94844086	+
Capn10	MmuEX0009057	chr1	94836096	94836860	94837077	94839059	+
Capn2	MmuEX0009065	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Capn2	MmuEX0009066	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Capn7	MmuEX0009073	chr14	32153329	32153687	32153749	32157628	+
Capn7	MmuEX0009074	chr14	32167366	32168451	32168544	32171792	+

Capn7	MmuEX0009075	chr14	32171938	32172393	32172499	32173311	+
Capn7	MmuEX0009076	chr14	32173431	32174217	32174431	32176665	+
Capn7	MmuEX0009077	chr14	32174431	32176665	32176809	32177634	+
Capn7	MmuEX0009078	chr14	32176809	32177634	32177733	32178642	+
Capn7	MmuEX0009079	chr14	32179429	32181242	32181387	32182384	+
Capn7	MmuEX0009080	chr14	32158712	32160844	32161044	32162985	+
Capn7	MmuEX0009081	chr14	32157785	32158645	32158712	32160844	+
Capn7	MmuEX0009082	chr14	32165679	32167281	32167366	32168451	+
Capn7	MmuEX0009083	chr14	32183037	32183888	32183980	32184064	+
Capns1	MmuEX0009090	chr7	30975187	30975498	30975576	30975678	-
Capns1	MmuEX0009091	chr7	30972748	30975071	30975187	30975498	-
Capns1	MmuEX0009092	chr7	30977919	30978063	30978772	30978897	-
Caprin1	MmuEX0009093	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Caprin1	MmuEX0009094	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Caprin1	MmuEX0009095	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Caprin2	MmuEX0009096	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Caprin2	MmuEX0009097	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Caprin2	MmuEX0009098	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Caprin2	MmuEX0009099	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Caprin2	MmuEX0009100	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Caprin2	MmuEX0009101	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Caprin2	MmuEX0009102	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Capza2	MmuEX0009112	chr6	17587160	17598520	17598583	17600003	+
Capzb	MmuEX0009113	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Capzb	MmuEX0009114	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Car11	MmuEX0009117	chr7	52958298	52958432	52958504	52958829	+
Car11	MmuEX0009118	chr7	52955709	52955796	52955870	52956594	+
Car11	MmuEX0009119	chr7	52958983	52959083	52959248	52959859	+
Car14	MmuEX0009123	chr3	95705195	95705382	95705892	95706034	-
Car14	MmuEX0009124	chr3	95704308	95705016	95705195	95706034	-
Car2	MmuEX0009126	chr3	14888031	14895022	14895140	14895535	+
Car4	MmuEX0009127	chr11	84776995	84777595	84777740	84777850	+
Car7	MmuEX0009136	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Car8	MmuEX0009137	chr4	8116539	8146701	8147612	8148697	-
Car8	MmuEX0009138	chr4	8073363	8096743	8096912	8110400	-
Car8	MmuEX0009139	chr4	8116539	8148697	8148821	8165066	-
Car8	MmuEX0009140	chr4	8112785	8116444	8116539	8148697	-
Card10	MmuEX0009147	chr15	78611150	78611503	78611614	78611905	-
Card10	MmuEX0009148	chr15	78632200	78632811	78633062	78633285	-
Card10	MmuEX0009149	chr15	78625830	78629526	78629851	78632063	-
Card10	MmuEX0009150	chr15	78621662	78622729	78622885	78623316	-
Card6	MmuEX0009159	chr15	5051095	5054903	5055436	5058088	-
Card9	MmuEX0009160	chr2	26212403	26212705	26212848	26212985	-
Carf	MmuEX0009164	chr1	60184917	60188688	60188877	60193108	+
Carf	MmuEX0009165	chr1	60196187	60197810	60197927	60198179	+
Carf	MmuEX0009166	chr1	60166293	60181695	60181755	60182764	+
Carf	MmuEX0009167	chr1	60155151	60159471	60159628	60162155	+

Carf	MmuEX0009168	chr1	60162278	60164927	60165044	60166066	+
Carf	MmuEX0009169	chr1	60181755	60181923	60181989	60182764	+
Carf	MmuEX0009170	chr1	60182878	60184833	60184917	60188688	+
Carf	MmuEX0009171	chr1	60188877	60193108	60193228	60196044	+
Carf	MmuEX0009172	chr1	60193228	60196044	60196187	60198179	+
Carf	MmuEX0009173	chr1	60196187	60198179	60198412	60202953	+
Carf	MmuEX0009174	chr1	60198412	60200838	60201000	60202953	+
Carkd	MmuEX0009177	chr8	11504930	11505431	11505519	11506707	+
Carkd	MmuEX0009178	chr8	11510347	11511877	11511997	11512895	+
Carm1	MmuEX0009179	chr9	21392029	21392295	21392363	21392493	+
Carm1	MmuEX0009180	chr9	21390978	21391345	21391482	21391569	+
Carm1	MmuEX0009181	chr9	21379037	21379338	21379458	21379858	+
Carm1	MmuEX0009182	chr9	21379962	21383843	21383953	21387483	+
Carm1	MmuEX0009183	chr9	21383953	21384753	21384930	21387483	+
Carns1	MmuEX0009184	chr19	4173220	4175005	4175031	4175394	-
Carns1	MmuEX0009185	chr19	4171899	4172146	4172235	4172959	-
Carns1	MmuEX0009186	chr19	4166564	4169899	4170071	4170826	-
Carns1	MmuEX0009187	chr19	4166564	4169528	4169808	4169899	-
Cars	MmuEX0009188	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars	MmuEX0009189	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars	MmuEX0009190	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars	MmuEX0009191	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars	MmuEX0009192	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars	MmuEX0009193	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars	MmuEX0009194	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Cars2	MmuEX0009195	chr8	11529713	11529817	11529885	11530295	-
Cars2	MmuEX0009196	chr8	11518990	11526002	11526069	11529580	-
Cars2	MmuEX0009197	chr8	11519178	11522008	11522208	11526002	-
Cars2	MmuEX0009198	chr8	11518990	11519086	11519178	11526002	-
Cars2	MmuEX0009199	chr8	11547844	11550258	11550308	11550499	-
Cars2	MmuEX0009200	chr8	11537355	11541898	11542003	11542519	-
Cars2	MmuEX0009201	chr8	11516249	11517819	11517942	11518406	-
Cars2	MmuEX0009202	chr8	11514699	11516151	11516249	11517819	-
Cars2	MmuEX0009203	chr8	11542590	11546677	11547087	11547727	-
Cars2	MmuEX0009204	chr8	11542590	11542902	11542977	11547727	-
Cars2	MmuEX0009205	chr8	11542003	11542519	11542590	11547727	-
Cars2	MmuEX0009206	chr8	11518990	11530295	11530424	11537272	-
Cars2	MmuEX0009207	chr8	11518990	11529580	11529713	11537272	-
Casc1	MmuEX0009215	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Casc1	MmuEX0009216	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Casc1	MmuEX0009217	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Casc3	MmuEX0009218	chr11	98692724	98692857	98692922	98693575	+
Casc4	MmuEX0009219	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Casc4	MmuEX0009220	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Casc4	MmuEX0009221	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Casc4	MmuEX0009222	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Casc4	MmuEX0009223	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+

Casd1	MmuEX0009230	chr6	4571286	4574052	4574474	4575466	+
Casd1	MmuEX0009231	chr6	4571286	4573109	4573214	4574052	+
Casd1	MmuEX0009232	chr6	4575555	4579962	4580081	4581008	+
Casd1	MmuEX0009233	chr6	4558079	4558634	4558754	4563235	+
Casd1	MmuEX0009234	chr6	4558754	4563235	4563279	4569289	+
Casd1	MmuEX0009235	chr6	4563279	4564649	4564711	4569289	+
Casd1	MmuEX0009236	chr6	4564711	4569289	4569333	4574052	+
Casd1	MmuEX0009237	chr6	4569333	4569761	4569884	4574052	+
Casd1	MmuEX0009238	chr6	4569884	4571072	4571286	4574052	+
Casd1	MmuEX0009239	chr6	4581598	4584002	4584103	4585746	+
Casd1	MmuEX0009240	chr6	4581598	4585746	4585886	4586969	+
Cask	MmuEX0009241	chrX	13148237	13163970	13164091	13177483	-
Cask	MmuEX0009242	chrX	13103207	13110466	13110668	13114712	-
Cask	MmuEX0009243	chrX	13260174	13291792	13291897	13363063	-
Cask	MmuEX0009244	chrX	13164091	13173812	13173820	13177483	-
Cask	MmuEX0009245	chrX	13099473	13101951	13101977	13103124	-
Cask	MmuEX0009246	chrX	13128108	13129499	13129567	13132004	-
Cask	MmuEX0009247	chrX	13126487	13128073	13128108	13129499	-
Caskin2	MmuEX0009252	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Caskin2	MmuEX0009253	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Caskin2	MmuEX0009254	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Caskin2	MmuEX0009255	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Caskin2	MmuEX0009256	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Casp1	MmuEX0009257	chr9	5299546	5299803	5299865	5302417	+
Casp1	MmuEX0009258	chr9	5298824	5299280	5299546	5299803	+
Casp12	MmuEX0009259	chr9	5348958	5350400	5350477	5352197	+
Casp12	MmuEX0009260	chr9	5352845	5353634	5353868	5354534	+
Casp2	MmuEX0009261	chr6	42224044	42226694	42226784	42229776	+
Casp2	MmuEX0009262	chr6	42226784	42226869	42226929	42229776	+
Casp4	MmuEX0009263	chr9	5308914	5321258	5321512	5322820	+
Casp4	MmuEX0009264	chr9	5322917	5323625	5323798	5324724	+
Casp4	MmuEX0009265	chr9	5321512	5322820	5322917	5323625	+
Casp4	MmuEX0009266	chr9	5327319	5328433	5328542	5335996	+
Casp6	MmuEX0009267	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Casp6	MmuEX0009268	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Casp7	MmuEX0009269	chr19	56479015	56507732	56507868	56508292	+
Casp8	MmuEX0009270	chr1	58859537	58860843	58860958	58880759	+
Casp8	MmuEX0009271	chr1	58884156	58885717	58885855	58885940	+
Casp8	MmuEX0009272	chr1	58888511	58890477	58890618	58901188	+
Casp8	MmuEX0009273	chr1	58881091	58884051	58884156	58885717	+
Casp8	MmuEX0009274	chr1	58885993	58888450	58888511	58890477	+
Casp8ap2	MmuEX0009275	chr4	32711141	32717153	32717221	32718041	+
Casp8ap2	MmuEX0009277	chr4	32721858	32726339	32728533	32730515	+
Casp8ap2	MmuEX0009278	chr4	32728533	32730515	32733635	32735002	+
Casp9	MmuEX0009279	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Casp9	MmuEX0009280	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Casp9	MmuEX0009281	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+

Casp9	MmuEX0009282	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Casq1	MmuEX0009284	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Casq2	MmuEX0009285	chr3	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cast	MmuEX0009290	chr13	74878865	74882078	74882167	74883439	-
Cast	MmuEX0009291	chr13	74885691	74891759	74891818	74917951	-
Cast	MmuEX0009292	chr13	74832281	74833339	74833400	74836553	-
Cast	MmuEX0009293	chr13	74832281	74832710	74832742	74833339	-
Cast	MmuEX0009294	chr13	74884084	74885653	74885691	74891759	-
Cast	MmuEX0009295	chr13	74874282	74874384	74874470	74875038	-
Cast	MmuEX0009296	chr13	74885691	74886253	74886309	74891759	-
Cast	MmuEX0009297	chr13	74891818	74917951	74918022	74936104	-
Casz1	MmuEX0009298	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Casz1	MmuEX0009299	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Casz1	MmuEX0009300	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Casz1	MmuEX0009301	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Casz1	MmuEX0009302	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Casz1	MmuEX0009303	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Casz1	MmuEX0009305	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Cat	MmuEX0009306	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cat	MmuEX0009307	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Catsper2	MmuEX0009311	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009312	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009313	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009314	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009315	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009316	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009317	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Catsper2	MmuEX0009318	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cav2	MmuEX0009341	chr6	17231510	17231899	17232082	17236897	+
Cbara1	MmuEX0009342	chr10	59165435	59184148	59184218	59190705	+
Cbara1	MmuEX0009343	chr10	59231000	59232747	59232819	59250689	+
Cbara1	MmuEX0009344	chr10	59290074	59302423	59302531	59324311	+
Cbara1	MmuEX0009345	chr10	59195905	59203408	59203570	59213252	+
Cbara1	MmuEX0009346	chr10	59203570	59213252	59213295	59230886	+
Cbara1	MmuEX0009347	chr10	59213295	59230886	59231000	59250689	+
Cbfa2t2	MmuEX0009348	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cbfa2t2	MmuEX0009349	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cbfa2t2	MmuEX0009350	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cbfa2t2	MmuEX0009351	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cbfa2t3	MmuEX0009352	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cbfa2t3	MmuEX0009353	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cbfb	MmuEX0009354	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cbfb	MmuEX0009355	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cbfb	MmuEX0009356	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cbl	MmuEX0009357	chr9	43961941	43962273	43962413	43964699	-
Cbl	MmuEX0009358	chr9	43975414	43977103	43977259	43981336	-
Cbl	MmuEX0009359	chr9	43959820	43960872	43961051	43961844	-

Cblb	MmuEX0009360	chr16	52031798	52033122	52033303	52047312	+
Cblb	MmuEX0009361	chr16	52152827	52164409	52164594	52166102	+
Cblb	MmuEX0009362	chr16	52183471	52186248	52186345	52189126	+
Cblb	MmuEX0009363	chr16	52033303	52034607	52034832	52047312	+
Cblb	MmuEX0009364	chr16	52033303	52047312	52047562	52112214	+
Cblb	MmuEX0009365	chr16	52112360	52131178	52131334	52135872	+
Cblb	MmuEX0009366	chr16	52174561	52183325	52183471	52186248	+
Cblb	MmuEX0009367	chr16	52031798	52032291	52032372	52033122	+
Cblb	MmuEX0009368	chr16	52186345	52186462	52186593	52189126	+
Cblb	MmuEX0009369	chr16	52186345	52189126	52189266	52204546	+
Cblb	MmuEX0009370	chr16	52189266	52194272	52194391	52204546	+
Cblc	MmuEX0009371	chr7	20366196	20366319	20366425	20370152	-
Cbll1	MmuEX0009375	chr12	32173179	32175333	32175406	32176377	-
Cbll1	MmuEX0009376	chr12	32173179	32173802	32173996	32175333	-
Cbr2	MmuEX0009379	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cbr2	MmuEX0009380	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cbr2	MmuEX0009381	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cbr3	MmuEX0009383	chr16	93683858	93685292	93685399	93690573	+
Cbr4	MmuEX0009384	chr8	63966787	63968737	63968857	63970342	+
Cbr4	MmuEX0009385	chr8	63968857	63969383	63969490	63970342	+
Cbwd1	MmuEX0009389	chr19	25006210	25012886	25012930	25015239	-
Cbwd1	MmuEX0009390	chr19	25002865	25006154	25006210	25012886	-
Cbwd1	MmuEX0009391	chr19	25015325	25017173	25017219	25022559	-
Cbwd1	MmuEX0009392	chr19	25023751	25027750	25027841	25029826	-
Cbwd1	MmuEX0009393	chr19	25029922	25032394	25032480	25035807	-
Cbx1	MmuEX0009394	chr11	96650667	96659506	96659537	96662085	+
Cbx1	MmuEX0009395	chr11	96664312	96667930	96668078	96669117	+
Cbx1	MmuEX0009396	chr11	96650667	96662743	96662920	96664042	+
Cbx5	MmuEX0009400	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cbx7	MmuEX0009401	chr15	79753967	79761016	79761059	79762878	-
Cbx8	MmuEX0009403	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cbx8	MmuEX0009404	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cby1	MmuEX0009405	chr15	79489723	79491801	79491954	79496076	+
Cc2d1a	MmuEX0009406	chr8	86668120	86670213	86670348	86671546	-
Cc2d1a	MmuEX0009407	chr8	86663322	86664140	86664212	86664283	-
Cc2d1a	MmuEX0009408	chr8	86657278	86657363	86657439	86657663	-
Cc2d1a	MmuEX0009409	chr8	86664576	86664662	86664734	86664980	-
Cc2d1a	MmuEX0009410	chr8	86657439	86657663	86657789	86657876	-
Cc2d1b	MmuEX0009411	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009412	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009413	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009414	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009415	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009416	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009417	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d1b	MmuEX0009418	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Cc2d2a	MmuEX0009420	chr5	44107084	44109792	44109959	44111580	+

Cc2d2a	MmuEX0009421	chr5	44121299	44123617	44123706	44125067	+
Cc2d2a	MmuEX0009422	chr5	44126689	44127273	44127395	44128735	+
Cc2d2a	MmuEX0009423	chr5	44130714	44131044	44131182	44131905	+
Cc2d2a	MmuEX0009428	chr5	44127395	44128735	44128793	44130537	+
Ccar1	MmuEX0009429	chr10	62243382	62244374	62245040	62245982	-
Ccar1	MmuEX0009430	chr10	62233764	62234684	62234813	62239316	-
Ccar1	MmuEX0009431	chr10	62229530	62233603	62233764	62234684	-
Ccar1	MmuEX0009432	chr10	62228803	62229305	62229530	62233603	-
Ccar1	MmuEX0009433	chr10	62214602	62215922	62216161	62219231	-
Ccar1	MmuEX0009434	chr10	62213441	62213685	62213764	62214491	-
Ccar1	MmuEX0009435	chr10	62209834	62210092	62210212	62213295	-
Ccar1	MmuEX0009436	chr10	62248342	62249728	62249740	62253669	-
Ccar1	MmuEX0009437	chr10	62219422	62222842	62223027	62226188	-
Ccar1	MmuEX0009438	chr10	62226271	62227072	62227282	62228015	-
Ccar1	MmuEX0009439	chr10	62246675	62248179	62248342	62253669	-
Ccar1	MmuEX0009440	chr10	62246014	62246631	62246675	62248179	-
Ccbl1	MmuEX0009442	chr2	30047592	30049574	30049632	30061153	-
Ccbl1	MmuEX0009443	chr2	30043884	30047445	30047592	30049574	-
Ccbl1	MmuEX0009444	chr2	30047592	30047708	30047805	30049574	-
Ccbl1	MmuEX0009445	chr2	30042429	30042707	30042827	30043209	-
Ccbl2	MmuEX0009446	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Ccbl2	MmuEX0009447	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Ccbl2	MmuEX0009448	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Ccbl2	MmuEX0009449	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Ccbl2	MmuEX0009450	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Ccdc101	MmuEX0009452	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009453	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009454	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009455	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009456	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009457	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009458	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc101	MmuEX0009459	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ccdc102a	MmuEX0009460	chr8	97431824	97432174	97432290	97433644	-
Ccdc102a	MmuEX0009461	chr8	97429260	97429832	97430002	97431615	-
Ccdc104	MmuEX0009463	chr11	29134472	29144059	29144160	29145086	-
Ccdc104	MmuEX0009464	chr11	29130673	29134358	29134472	29144059	-
Ccdc107	MmuEX0009465	chr4	43506631	43507369	43507413	43508067	+
Ccdc109a	MmuEX0009476	chr10	58930544	58953835	58953904	59079272	-
Ccdc109a	MmuEX0009477	chr10	58914070	58917694	58917897	58919397	-
Ccdc109a	MmuEX0009478	chr10	58919557	58929202	58929306	58930374	-
Ccdc109b	MmuEX0009481	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ccdc109b	MmuEX0009482	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ccdc111	MmuEX0009489	chr8	47679057	47685073	47685220	47690439	-
Ccdc111	MmuEX0009490	chr8	47678109	47678824	47679057	47685073	-
Ccdc111	MmuEX0009493	chr8	47666838	47666922	47667004	47671697	-
Ccdc122	MmuEX0009505	chr14	77467760	77468644	77468756	77491475	+

Ccdc122	MmuEX0009506	chr14	77468756	77488739	77488780	77491475	+
Ccdc122	MmuEX0009507	chr14	77468756	77491475	77491873	77511214	+
Ccdc122	MmuEX0009508	chr14	77468756	77492577	77492693	77511214	+
Ccdc123	MmuEX0009509	chr7	36183115	36188029	36188187	36190637	+
Ccdc123	MmuEX0009510	chr7	36190814	36194600	36194711	36199163	+
Ccdc123	MmuEX0009511	chr7	36214317	36214934	36215130	36217537	+
Ccdc123	MmuEX0009512	chr7	36214317	36217537	36217626	36220493	+
Ccdc123	MmuEX0009513	chr7	36182225	36183009	36183115	36190637	+
Ccdc123	MmuEX0009514	chr7	36206048	36208319	36208422	36209676	+
Ccdc123	MmuEX0009515	chr7	36206048	36209676	36209791	36212619	+
Ccdc123	MmuEX0009516	chr7	36209791	36210064	36210213	36212619	+
Ccdc123	MmuEX0009517	chr7	36194711	36199163	36199191	36202661	+
Ccdc123	MmuEX0009518	chr7	36194711	36201436	36201478	36202661	+
Ccdc126	MmuEX0009523	chr6	49269479	49279415	49279502	49283910	+
Ccdc126	MmuEX0009524	chr6	49284296	49289262	49289331	49289825	+
Ccdc127	MmuEX0009525	chr13	74487856	74490310	74490434	74493904	+
Ccdc127	MmuEX0009526	chr13	74490434	74493904	74494265	74498053	+
Ccdc127	MmuEX0009527	chr13	74494265	74497139	74497274	74498053	+
Ccdc130	MmuEX0009533	chr8	86782825	86783012	86783150	86784193	-
Ccdc132	MmuEX0009535	chr6	3501104	3504996	3505090	3505368	+
Ccdc132	MmuEX0009536	chr6	3472373	3472683	3472718	3474093	+
Ccdc132	MmuEX0009537	chr6	3505466	3512268	3512358	3515516	+
Ccdc132	MmuEX0009538	chr6	3544901	3548472	3548593	3550128	+
Ccdc132	MmuEX0009539	chr6	3483570	3486832	3486972	3495510	+
Ccdc132	MmuEX0009540	chr6	3486972	3495510	3495642	3501013	+
Ccdc132	MmuEX0009541	chr6	3454937	3467789	3467860	3474093	+
Ccdc132	MmuEX0009542	chr6	3454937	3469217	3469270	3474093	+
Ccdc132	MmuEX0009543	chr6	3469270	3470207	3470277	3474093	+
Ccdc132	MmuEX0009544	chr6	3470277	3472256	3472373	3472683	+
Ccdc132	MmuEX0009545	chr6	3472718	3474093	3474175	3482158	+
Ccdc132	MmuEX0009546	chr6	3474175	3482158	3482200	3495510	+
Ccdc132	MmuEX0009547	chr6	3482200	3483472	3483570	3495510	+
Ccdc134	MmuEX0009548	chr15	81958479	81960482	81960600	81965011	+
Ccdc134	MmuEX0009549	chr15	81958479	81961854	81961975	81965011	+
Ccdc134	MmuEX0009550	chr15	81961975	81962175	81962259	81965011	+
Ccdc136	MmuEX0009555	chr6	29361385	29361710	29361868	29371991	+
Ccdc136	MmuEX0009557	chr6	29361385	29362364	29362534	29371991	+
Ccdc136	MmuEX0009558	chr6	29361385	29362902	29363087	29371991	+
Ccdc136	MmuEX0009559	chr6	29361385	29364786	29364980	29371991	+
Ccdc136	MmuEX0009560	chr6	29361385	29365431	29365655	29371991	+
Ccdc136	MmuEX0009561	chr6	29361385	29367072	29367578	29371991	+
Ccdc136	MmuEX0009562	chr6	29361385	29367932	29368153	29371991	+
Ccdc137	MmuEX0009565	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ccdc137	MmuEX0009566	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ccdc137	MmuEX0009567	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ccdc138	MmuEX0009572	chr10	57976005	57986886	57987044	57990090	+
Ccdc14	MmuEX0009576	chr16	34697472	34704915	34705133	34705247	+

Ccdc14	MmuEX0009577	chr16	34705341	34706473	34706983	34709610	+
Ccdc141	MmuEX0009578	chr2	76896069	76897597	76897738	76912893	-
Ccdc141	MmuEX0009579	chr2	76883842	76887636	76887815	76892634	-
Ccdc141	MmuEX0009580	chr2	76882842	76883357	76883443	76883663	-
Ccdc141	MmuEX0009581	chr2	76868764	76877493	76877642	76879422	-
Ccdc141	MmuEX0009582	chr2	76858086	76861503	76861615	76865649	-
Ccdc141	MmuEX0009583	chr2	76858086	76860705	76860781	76861503	-
Ccdc141	MmuEX0009584	chr2	76853304	76857970	76858086	76861503	-
Ccdc141	MmuEX0009585	chr2	76962432	76966286	76966394	76970239	-
Ccdc141	MmuEX0009586	chr2	76913065	76927127	76927321	76946420	-
Ccdc141	MmuEX0009587	chr2	76970430	77003124	77003287	77006568	-
Ccdc146	MmuEX0009596	chr5	20824031	20825347	20825420	20826982	-
Ccdc15	MmuEX0009612	chr9	37084150	37086552	37086700	37087159	-
Ccdc15	MmuEX0009613	chr9	37084150	37084943	37085066	37086552	-
Ccdc157	MmuEX0009650	chr11	4046721	4047172	4047362	4047703	-
Ccdc157	MmuEX0009651	chr11	4046405	4046545	4046721	4047172	-
Ccdc157	MmuEX0009652	chr11	4043938	4044029	4044117	4044513	-
Ccdc157	MmuEX0009653	chr11	4053059	4058163	4058292	4060162	-
Ccdc157	MmuEX0009655	chr11	4050105	4051675	4051799	4060162	-
Ccdc157	MmuEX0009656	chr11	4050105	4051392	4051527	4051675	-
Ccdc157	MmuEX0009657	chr11	4049087	4049934	4050105	4060162	-
Ccdc157	MmuEX0009658	chr11	4047780	4048442	4049087	4060162	-
Ccdc157	MmuEX0009659	chr11	4047362	4047703	4047780	4048442	-
Ccdc159	MmuEX0009667	chr9	21733978	21735229	21735418	21735754	+
Ccdc159	MmuEX0009668	chr9	21736231	21736309	21736390	21737248	+
Ccdc159	MmuEX0009669	chr9	21732186	21733537	21733670	21733752	+
Ccdc159	MmuEX0009670	chr9	21733978	21735754	21735787	21736143	+
Ccdc159	MmuEX0009671	chr9	21737434	21737990	21738057	21738140	+
Ccdc163	MmuEX0009675	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc163	MmuEX0009676	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc163	MmuEX0009677	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc163	MmuEX0009678	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc163	MmuEX0009679	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc163	MmuEX0009680	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc17	MmuEX0009683	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ccdc21	MmuEX0009701	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009702	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009703	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009704	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009705	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009706	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009707	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc21	MmuEX0009708	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ccdc23	MmuEX0009709	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Ccdc23	MmuEX0009710	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Ccdc25	MmuEX0009714	chr14	66459332	66465133	66465172	66470454	+
Ccdc25	MmuEX0009715	chr14	66479052	66482543	66482870	66483967	+

Ccdc25	MmuEX0009716	chr14	66465172	66470454	66470505	66472939	+
Ccdc25	MmuEX0009717	chr14	66456321	66459285	66459332	66465133	+
Ccdc28a	MmuEX0009718	chr10	17944866	17946534	17946676	17950225	-
Ccdc28a	MmuEX0009719	chr10	17944866	17950225	17950424	17954658	-
Ccdc28b	MmuEX0009720	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Ccdc28b	MmuEX0009721	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Ccdc32	MmuEX0009733	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ccdc32	MmuEX0009734	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ccdc34	MmuEX0009741	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Ccdc34	MmuEX0009742	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Ccdc34	MmuEX0009743	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Ccdc34	MmuEX0009744	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Ccdc34	MmuEX0009745	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Ccdc41	MmuEX0009778	chr10	94151791	94181597	94181864	94182337	+
Ccdc41	MmuEX0009779	chr10	94229262	94231564	94231721	94233690	+
Ccdc41	MmuEX0009780	chr10	94233819	94242547	94242586	94249489	+
Ccdc41	MmuEX0009781	chr10	94182487	94183425	94184078	94188392	+
Ccdc43	MmuEX0009782	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Ccdc45	MmuEX0009783	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009784	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009785	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009786	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009787	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009788	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009789	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc45	MmuEX0009790	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ccdc46	MmuEX0009802	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ccdc46	MmuEX0009803	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ccdc47	MmuEX0009804	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ccdc47	MmuEX0009805	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ccdc47	MmuEX0009806	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ccdc47	MmuEX0009807	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ccdc47	MmuEX0009808	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ccdc50	MmuEX0009811	chr16	27436688	27436771	27436794	27438387	+
Ccdc53	MmuEX0009812	chr10	87664037	87664557	87664655	87676392	+
Ccdc53	MmuEX0009813	chr10	87664655	87676392	87676457	87678712	+
Ccdc55	MmuEX0009814	chr11	76868502	76890156	76890246	76891881	-
Ccdc57	MmuEX0009822	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ccdc57	MmuEX0009823	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ccdc58	MmuEX0009829	chr16	36073299	36082216	36082267	36082777	+
Ccdc58	MmuEX0009830	chr16	36072223	36082777	36082902	36085103	+
Ccdc58	MmuEX0009831	chr16	36072223	36085103	36085249	36089987	+
Ccdc58	MmuEX0009832	chr16	36085249	36089987	36090046	36091920	+
Ccdc6	MmuEX0009833	chr10	69637915	69644908	69645008	69650439	+
Ccdc61	MmuEX0009838	chr7	19478422	19478534	19478697	19479116	-
Ccdc61	MmuEX0009839	chr7	19476736	19477388	19477448	19477623	-
Ccdc61	MmuEX0009840	chr7	19489288	19495482	19495606	19495692	-

Ccdc61	MmuEX0009841	chr7	19479494	19489131	19489288	19495482	-
Ccdc61	MmuEX0009842	chr7	19479494	19488819	19488901	19489131	-
Ccdc61	MmuEX0009843	chr7	19479494	19486268	19486425	19488819	-
Ccdc61	MmuEX0009844	chr7	19479494	19484907	19485031	19486268	-
Ccdc61	MmuEX0009845	chr7	19479198	19479284	19479494	19484907	-
Ccdc62	MmuEX0009848	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc62	MmuEX0009850	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc62	MmuEX0009851	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc62	MmuEX0009852	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc62	MmuEX0009854	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc62	MmuEX0009855	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc62	MmuEX0009856	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Ccdc64	MmuEX0009861	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc66	MmuEX0009865	chr14	28303993	28304974	28305135	28306205	-
Ccdc66	MmuEX0009866	chr14	28300136	28303220	28303330	28303849	-
Ccdc66	MmuEX0009867	chr14	28300136	28300521	28300619	28303220	-
Ccdc66	MmuEX0009868	chr14	28295788	28296127	28296376	28296994	-
Ccdc66	MmuEX0009869	chr14	28307398	28310525	28310637	28311627	-
Ccdc66	MmuEX0009870	chr14	28306289	28306458	28306708	28307267	-
Ccdc66	MmuEX0009871	chr14	28295788	28297251	28297504	28298279	-
Ccdc66	MmuEX0009872	chr14	28295788	28296994	28297118	28297251	-
Ccdc66	MmuEX0009873	chr14	28313868	28318824	28318849	28319837	-
Ccdc66	MmuEX0009874	chr14	28312075	28313427	28313868	28318824	-
Ccdc68	MmuEX0009883	chr18	70103516	70106705	70106833	70115636	+
Ccdc68	MmuEX0009884	chr18	70106833	70115636	70115718	70120055	+
Ccdc68	MmuEX0009885	chr18	70115718	70120055	70120160	70126444	+
Ccdc68	MmuEX0009886	chr18	70120160	70121114	70121197	70126444	+
Ccdc69	MmuEX0009887	chr11	54864060	54864654	54864751	54865850	-
Ccdc72	MmuEX0009892	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ccdc75	MmuEX0009908	chr17	79236260	79237171	79237242	79238327	+
Ccdc75	MmuEX0009909	chr17	79237242	79237590	79237723	79238327	+
Ccdc75	MmuEX0009910	chr17	79237242	79238327	79238553	79239418	+
Ccdc75	MmuEX0009911	chr17	79238553	79239418	79239459	79240303	+
Ccdc75	MmuEX0009912	chr17	79235018	79236134	79236260	79237171	+
Ccdc76	MmuEX0009913	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc76	MmuEX0009914	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc76	MmuEX0009915	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc76	MmuEX0009916	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc76	MmuEX0009917	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc76	MmuEX0009918	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Ccdc77	MmuEX0009919	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Ccdc77	MmuEX0009924	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Ccdc77	MmuEX0009925	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Ccdc77	MmuEX0009926	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Ccdc80	MmuEX0009933	chr16	45104649	45113307	45113382	45116359	+
Ccdc80	MmuEX0009934	chr16	45096870	45104493	45104649	45116359	+
Ccdc80	MmuEX0009935	chr16	45094538	45094985	45096870	45104493	+

Ccdc82	MmuEX0009937	NT_166314	78404	80642	80725	83454	+
Ccdc82	MmuEX0009938	NT_166314	80725	83454	84181	84609	+
Ccdc82	MmuEX0009939	NT_166314	84813	94119	94211	97727	+
Ccdc82	MmuEX0009940	NT_166314	94211	97727	97851	103714	+
Ccdc82	MmuEX0009941	NT_166314	112963	120330	120387	120730	+
Ccdc84	MmuEX0009942	chr9	44225045	44225194	44225292	44225716	-
Ccdc84	MmuEX0009943	chr9	44218663	44218774	44218863	44220536	-
Ccdc84	MmuEX0009944	chr9	44222251	44224929	44225045	44225194	-
Ccdc84	MmuEX0009945	chr9	44221756	44222051	44222251	44225194	-
Ccdc84	MmuEX0009946	chr9	44220566	44221220	44221284	44221526	-
Ccdc84	MmuEX0009947	chr9	44220566	44221000	44221097	44221220	-
Ccdc85a	MmuEX0009948	chr11	28296165	28334081	28334157	28476391	-
Ccdc85c	MmuEX0009951	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ccdc85c	MmuEX0009952	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ccdc85c	MmuEX0009953	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ccdc88a	MmuEX0009954	chr11	29274410	29274507	29274607	29300184	+
Ccdc88a	MmuEX0009955	chr11	29274607	29300184	29300292	29322540	+
Ccdc88a	MmuEX0009956	chr11	29353277	29355370	29355516	29356458	+
Ccdc88a	MmuEX0009957	chr11	29355516	29356458	29356602	29360849	+
Ccdc88a	MmuEX0009958	chr11	29361033	29361711	29361848	29363120	+
Ccdc88a	MmuEX0009959	chr11	29377458	29380490	29380651	29382109	+
Ccdc88a	MmuEX0009960	chr11	29386011	29389582	29389727	29393700	+
Ccdc88a	MmuEX0009962	chr11	29404311	29407125	29407223	29407695	+
Ccdc88a	MmuEX0009964	chr11	29394093	29397343	29397426	29398409	+
Ccdc88a	MmuEX0009965	chr11	29394093	29398409	29398612	29399335	+
Ccdc88a	MmuEX0009966	chr11	29399406	29400976	29401056	29403383	+
Ccdc88a	MmuEX0009967	chr11	29401056	29403383	29403651	29403852	+
Ccdc88a	MmuEX0009968	chr11	29403651	29403883	29404311	29407125	+
Ccdc88b	MmuEX0009969	chr19	6919609	6920837	6920905	6921053	-
Ccdc88c	MmuEX0009975	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ccdc88c	MmuEX0009976	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ccdc88c	MmuEX0009977	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ccdc88c	MmuEX0009979	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ccdc9	MmuEX0009981	chr7	16862122	16863706	16863887	16865947	-
Ccdc9	MmuEX0009982	chr7	16867954	16868101	16868199	16869620	-
Ccdc90a	MmuEX0009983	chr13	43639939	43641057	43641110	43644020	-
Ccdc90a	MmuEX0009984	chr13	43641110	43643101	43643216	43644020	-
Ccdc90b	MmuEX0009985	chr7	99710145	99713026	99713318	99716132	+
Ccdc90b	MmuEX0009986	chr7	99723173	99723254	99723325	99723839	+
Ccdc91	MmuEX0009987	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ccdc91	MmuEX0009988	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ccdc91	MmuEX0009989	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ccdc91	MmuEX0009991	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ccdc91	MmuEX0009992	chr6	1.47E+08	1.47E+08	1.47E+08	1.48E+08	+
Ccdc91	MmuEX0009993	chr6	1.47E+08	1.48E+08	1.48E+08	1.48E+08	+
Ccdc93	MmuEX0009995	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ccdc93	MmuEX0009996	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+

Ccdc93	MmuEX0009997	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ccdc93	MmuEX0009998	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ccdc94	MmuEX0009999	chr17	56104712	56105931	56106060	56106951	+
Ccdc97	MmuEX0010000	chr7	26501206	26503164	26503298	26503915	-
Ccdc97	MmuEX0010001	chr7	26501206	26501873	26502018	26503915	-
Ccdc97	MmuEX0010002	chr7	26501206	26501656	26501833	26503915	-
Ccdc97	MmuEX0010003	chr7	26500039	26500754	26501206	26503915	-
Cchr1	MmuEX0010009	chr17	35665911	35665990	35666091	35667093	+
Cchr1	MmuEX0010010	chr17	35666091	35666427	35666667	35667093	+
Cchr1	MmuEX0010011	chr17	35667244	35667389	35667503	35667646	+
Cchr1	MmuEX0010012	chr17	35655537	35656877	35657137	35657820	+
Cchr1	MmuEX0010013	chr17	35655537	35657820	35658123	35661391	+
Cchr1	MmuEX0010014	chr17	35658123	35658261	35658341	35661391	+
Cchr1	MmuEX0010016	chr17	35655228	35655324	35655537	35657820	+
Cchr1	MmuEX0010017	chr17	35658123	35661391	35661554	35661644	+
Ccl11	MmuEX0010018	chr11	81871544	81875181	81875292	81875708	+
Ccl25	MmuEX0010020	chr8	4349655	4349772	4349894	4353883	+
Ccl25	MmuEX0010021	chr8	4349894	4353236	4353329	4353883	+
Ccl27a	MmuEX0010022	chr4	41718168	41720338	41720397	41720609	-
Ccl27a	MmuEX0010023	chr4	41716849	41718011	41718086	41720338	-
Ccl27b	MmuEX0010024	chr4	42664596	42664808	42664867	42667737	+
Ccl7	MmuEX0010025	chr11	81859361	81860020	81860131	81860487	+
Ccm2	MmuEX0010026	chr11	6489571	6490463	6490542	6490756	+
Ccm2	MmuEX0010027	chr11	6447032	6469967	6470140	6484523	+
Ccm2	MmuEX0010028	chr11	6470140	6484523	6484606	6489435	+
Ccm2	MmuEX0010029	chr11	6484606	6485037	6485220	6489435	+
Ccm2	MmuEX0010030	chr11	6485220	6489435	6489571	6490756	+
Ccna2	MmuEX0010035	chr3	36465204	36465463	36465596	36465922	-
Ccnc	MmuEX0010039	chr4	21673921	21674630	21674723	21675284	+
Ccnc	MmuEX0010040	chr4	21657650	21659365	21659449	21659636	+
Ccnc	MmuEX0010041	chr4	21670461	21673497	21673576	21686572	+
Ccnc	MmuEX0010042	chr4	21670461	21673803	21673921	21686572	+
Ccnd3	MmuEX0010043	chr17	47642215	47709069	47709243	47715658	+
Ccnd3	MmuEX0010044	chr17	47642215	47712855	47712982	47715658	+
Ccnd3	MmuEX0010045	chr17	47642215	47715658	47715722	47730558	+
Ccndbp1	MmuEX0010046	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Ccndbp1	MmuEX0010047	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Ccndbp1	MmuEX0010048	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Ccndbp1	MmuEX0010049	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Ccne1	MmuEX0010051	chr7	38887940	38888065	38888213	38891298	-
Ccne1	MmuEX0010052	chr7	38884168	38884266	38884377	38884487	-
Ccne1	MmuEX0010053	chr7	38888213	38891298	38891366	38891615	-
Ccne2	MmuEX0010054	chr4	11126578	11128452	11128563	11129337	+
Ccng1	MmuEX0010058	chr11	40564861	40564942	40565020	40565606	-
Ccng2	MmuEX0010059	chr5	93700070	93700227	93700305	93700389	+
Ccng2	MmuEX0010060	chr5	93696823	93697648	93697785	93699820	+
Ccng2	MmuEX0010061	chr5	93697785	93698291	93698428	93699820	+

Ccnh	MmuEX0010062	chr13	85330481	85335857	85335930	85336956	+
Ccnh	MmuEX0010063	chr13	85335930	85336956	85337166	85341938	+
Ccnh	MmuEX0010064	chr13	85337166	85340916	85341054	85341938	+
Ccnh	MmuEX0010065	chr13	85345803	85348383	85348494	85351459	+
Ccni	MmuEX0010066	chr5	93632388	93634468	93634733	93634940	-
Ccni	MmuEX0010067	chr5	93631488	93632293	93632388	93634940	-
Ccni	MmuEX0010068	chr5	93612446	93612666	93612821	93616614	-
Ccnj	MmuEX0010069	chr19	40906578	40911407	40911617	40919150	+
Ccnk	MmuEX0010071	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ccnk	MmuEX0010072	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ccnk	MmuEX0010073	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ccnk	MmuEX0010074	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ccnl1	MmuEX0010075	chr3	65752712	65754135	65754148	65754402	-
Ccnl1	MmuEX0010076	chr3	65755476	65759126	65759198	65760775	-
Ccnl1	MmuEX0010077	chr3	65755476	65756659	65756781	65759052	-
Ccnl2	MmuEX0010078	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ccnl2	MmuEX0010079	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ccnl2	MmuEX0010080	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ccnt1	MmuEX0010082	chr15	98385092	98390482	98390523	98390628	-
Ccnt1	MmuEX0010083	chr15	98379142	98382345	98382407	98385032	-
Ccnt1	MmuEX0010084	chr15	98382407	98385032	98385092	98390628	-
Ccnt1	MmuEX0010085	chr15	98377025	98377176	98377339	98379097	-
Ccnt1	MmuEX0010086	chr15	98375039	98376955	98377025	98377176	-
Ccnt2	MmuEX0010087	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ccnt2	MmuEX0010088	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ccnt2	MmuEX0010089	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ccnt2	MmuEX0010090	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ccnt2	MmuEX0010091	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ccnt2	MmuEX0010092	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ccny	MmuEX0010093	chr18	9386807	9399210	9399276	9449516	-
Ccny	MmuEX0010094	chr18	9332948	9339130	9339245	9345192	-
Ccny	MmuEX0010095	chr18	9316670	9319407	9319569	9332782	-
Ccny	MmuEX0010096	chr18	9353505	9377265	9377322	9377792	-
Ccny	MmuEX0010097	chr18	9353505	9376062	9376183	9377792	-
Ccny	MmuEX0010098	chr18	9377826	9386733	9386807	9449516	-
Ccny	MmuEX0010099	chr18	9353505	9377792	9377826	9386733	-
Ccny	MmuEX0010100	chr18	9332948	9353405	9353505	9377792	-
Ccny	MmuEX0010101	chr18	9332948	9349386	9349421	9353405	-
Ccs	MmuEX0010109	chr19	4825664	4825770	4825873	4825944	-
Ccs	MmuEX0010110	chr19	4826021	4834173	4834310	4838831	-
Ccs	MmuEX0010111	chr19	4826021	4833341	4833518	4838831	-
Ccs	MmuEX0010112	chr19	4826021	4832833	4832893	4838831	-
Cct3	MmuEX0010113	chr3	88104772	88104851	88104913	88106690	+
Cct6a	MmuEX0010114	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Cct8	MmuEX0010119	chr16	87491696	87493952	87494031	87494582	-
Ccz1	MmuEX0010120	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Ccz1	MmuEX0010121	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-

Ccz1	MmuEX0010122	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Ccz1	MmuEX0010123	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Cd109	MmuEX0010129	chr9	78555390	78557940	78558087	78560344	+
Cd151	MmuEX0010131	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Cd151	MmuEX0010132	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Cd163	MmuEX0010135	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Cd163	MmuEX0010136	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Cd163	MmuEX0010137	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Cd164	MmuEX0010141	chr10	41239957	41240133	41240190	41241724	+
Cd164	MmuEX0010142	chr10	41243951	41246633	41246689	41248478	+
Cd200	MmuEX0010148	chr16	45392501	45393636	45393690	45394706	-
Cd200	MmuEX0010149	chr16	45397408	45400335	45400416	45408836	-
Cd200	MmuEX0010150	chr16	45394978	45397082	45397408	45408836	-
Cd276	MmuEX0010181	chr9	58378537	58385076	58385414	58388474	-
Cd276	MmuEX0010183	chr9	58378537	58383263	58383559	58388474	-
Cd2bp2	MmuEX0010185	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cd300a	MmuEX0010186	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Cd300a	MmuEX0010187	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Cd300lg	MmuEX0010189	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cd300lg	MmuEX0010190	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cd302	MmuEX0010191	chr2	60110269	60117562	60117704	60122117	-
Cd302	MmuEX0010192	chr2	60090548	60093128	60093154	60095090	-
Cd320	MmuEX0010193	chr17	33980576	33982961	33983086	33984440	+
Cd33	MmuEX0010194	chr7	50784378	50784843	50784925	50785236	-
Cd33	MmuEX0010195	chr7	50787686	50788201	50788352	50788428	-
Cd36	MmuEX0010196	chr5	17303001	17304047	17304116	17316999	-
Cd36	MmuEX0010197	chr5	17335367	17341436	17341489	17355475	-
Cd37	MmuEX0010198	chr7	52489348	52490054	52490137	52490777	-
Cd37	MmuEX0010200	chr7	52493942	52494030	52494104	52494330	-
Cd38	MmuEX0010201	chr5	44294919	44297403	44297476	44298752	+
Cd38	MmuEX0010202	chr5	44297476	44298752	44298844	44299162	+
Cd38	MmuEX0010203	chr5	44298844	44299162	44299248	44301519	+
Cd40	MmuEX0010210	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Cd40	MmuEX0010211	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Cd44	MmuEX0010212	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010213	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010214	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010215	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010216	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010217	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010218	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010219	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010220	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd44	MmuEX0010221	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cd47	MmuEX0010229	chr16	49884367	49894290	49894397	49895482	+
Cd47	MmuEX0010230	chr16	49884367	49886687	49886769	49894290	+
Cd47	MmuEX0010231	chr16	49894397	49895482	49895574	49896469	+

Cd47	MmuEX0010232	chr16	49868225	49869131	49869193	49884278	+
Cd47	MmuEX0010233	chr16	49898245	49899969	49900013	49906894	+
Cd47	MmuEX0010234	chr16	49898245	49906894	49906925	49910982	+
Cd47	MmuEX0010235	chr16	49906925	49908167	49908191	49910982	+
Cd47	MmuEX0010236	chr16	49908191	49908816	49908848	49910982	+
Cd48	MmuEX0010237	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd48	MmuEX0010238	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd48	MmuEX0010239	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd48	MmuEX0010240	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd53	MmuEX0010242	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cd53	MmuEX0010243	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cd53	MmuEX0010244	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cd59a	MmuEX0010245	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cd59a	MmuEX0010246	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cd59b	MmuEX0010247	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cd59b	MmuEX0010248	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cd68	MmuEX0010252	chr11	69478615	69478749	69478868	69479005	-
Cd68	MmuEX0010253	chr11	69478006	69478253	69478423	69478537	-
Cd68	MmuEX0010254	chr11	69478868	69479005	69479438	69479522	-
Cd72	MmuEX0010256	chr4	43460908	43461132	43461287	43462324	-
Cd72	MmuEX0010257	chr4	43461287	43462324	43462421	43462942	-
Cd72	MmuEX0010258	chr4	43465511	43467114	43467221	43467318	-
Cd72	MmuEX0010259	chr4	43465511	43466513	43466584	43467114	-
Cd72	MmuEX0010260	chr4	43465511	43465955	43466044	43466513	-
Cd74	MmuEX0010261	chr18	60963664	60967562	60967731	60967886	+
Cd74	MmuEX0010262	chr18	60970072	60970948	60971139	60971513	+
Cd79b	MmuEX0010263	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cd80	MmuEX0010265	chr16	38474265	38479146	38479427	38482702	+
Cd82	MmuEX0010266	chr2	93260099	93260397	93260480	93260712	-
Cd82	MmuEX0010267	chr2	93277627	93283526	93283601	93302487	-
Cd83	MmuEX0010268	chr13	43893097	43894971	43895077	43896926	+
Cd84	MmuEX0010269	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd84	MmuEX0010270	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd84	MmuEX0010271	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd84	MmuEX0010272	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Cd86	MmuEX0010274	chr16	36618712	36620790	36621125	36629056	-
Cd97	MmuEX0010280	chr8	86258024	86258201	86258251	86265006	-
Cd97	MmuEX0010281	chr8	86253424	86257908	86258024	86265006	-
Cd97	MmuEX0010282	chr8	86253424	86257313	86257465	86257908	-
Cd97	MmuEX0010283	chr8	86253424	86255802	86255936	86257313	-
Cd97	MmuEX0010284	chr8	86253424	86254010	86254156	86255802	-
Cd99I2	MmuEX0010285	chrX	68677264	68678590	68678607	68682222	-
Cd99I2	MmuEX0010286	chrX	68691374	68693700	68693786	68694249	-
Cd99I2	MmuEX0010287	chrX	68683524	68691309	68691374	68693700	-
Cd99I2	MmuEX0010288	chrX	68683524	68688008	68688098	68691309	-
Cd99I2	MmuEX0010289	chrX	68682341	68683486	68683524	68691309	-
Cd99I2	MmuEX0010290	chrX	68694320	68703114	68703182	68703786	-

Cda	MmuEX0010291	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Cda	MmuEX0010292	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Cdadc1	MmuEX0010293	chr14	60183432	60187785	60187845	60192484	-
Cdadc1	MmuEX0010294	chr14	60179758	60183355	60183432	60187785	-
Cdadc1	MmuEX0010295	chr14	60208802	60211298	60211372	60215699	-
Cdadc1	MmuEX0010296	chr14	60208802	60209988	60210061	60211298	-
Cdadc1	MmuEX0010297	chr14	60205445	60208625	60208802	60211298	-
Cdadc1	MmuEX0010298	chr14	60200211	60203639	60203986	60204876	-
Cdadc1	MmuEX0010299	chr14	60211372	60215712	60215796	60216592	-
Cdan1	MmuEX0010301	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010302	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010303	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010304	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010305	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010306	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010307	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010308	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdan1	MmuEX0010309	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Cdc123	MmuEX0010310	chr2	5728552	5730752	5731064	5731842	-
Cdc123	MmuEX0010311	chr2	5715926	5716595	5716732	5719407	-
Cdc123	MmuEX0010312	chr2	5719535	5728477	5728552	5731842	-
Cdc123	MmuEX0010313	chr2	5725021	5725957	5726079	5728477	-
Cdc123	MmuEX0010314	chr2	5719535	5724993	5725021	5731842	-
Cdc123	MmuEX0010315	chr2	5744243	5754127	5754159	5754702	-
Cdc123	MmuEX0010316	chr2	5731890	5744148	5744243	5754127	-
Cdc123	MmuEX0010317	chr2	5731890	5742322	5742428	5744148	-
Cdc14b	MmuEX0010326	chr13	64348626	64349713	64349807	64375899	-
Cdc14b	MmuEX0010327	chr13	64348626	64349316	64349569	64349713	-
Cdc14b	MmuEX0010328	chr13	64326956	64344942	64345034	64347833	-
Cdc14b	MmuEX0010329	chr13	64322054	64326880	64326956	64344942	-
Cdc14b	MmuEX0010330	chr13	64321256	64321988	64322054	64326880	-
Cdc14b	MmuEX0010331	chr13	64317607	64321194	64321256	64321988	-
Cdc14b	MmuEX0010332	chr13	64297983	64306806	64306891	64310415	-
Cdc14b	MmuEX0010333	chr13	64297983	64306579	64306725	64310415	-
Cdc14b	MmuEX0010334	chr13	64297983	64302640	64302756	64310415	-
Cdc14b	MmuEX0010335	chr13	64297983	64298288	64298353	64302640	-
Cdc14b	MmuEX0010336	chr13	64291660	64297183	64297983	64310415	-
Cdc16	MmuEX0010337	chr8	13768634	13769377	13769502	13771298	+
Cdc16	MmuEX0010338	chr8	13767587	13768561	13768634	13769377	+
Cdc16	MmuEX0010339	chr8	13757854	13758998	13759052	13759140	+
Cdc23	MmuEX0010343	chr18	34797127	34800537	34800662	34800750	-
Cdc23	MmuEX0010344	chr18	34790955	34793737	34793818	34794047	-
Cdc23	MmuEX0010345	chr18	34803784	34804720	34804762	34806556	-
Cdc25a	MmuEX0010346	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cdc25a	MmuEX0010347	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cdc25a	MmuEX0010348	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cdc25a	MmuEX0010349	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+

Cdc25a	MmuEX0010350	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cdc25a	MmuEX0010351	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cdc25a	MmuEX0010352	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cdc25b	MmuEX0010355	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cdc25b	MmuEX0010356	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cdc25b	MmuEX0010357	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cdc25b	MmuEX0010358	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cdc25b	MmuEX0010359	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cdc25b	MmuEX0010360	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cdc26	MmuEX0010367	chr4	62063949	62065490	62065561	62069586	-
Cdc27	MmuEX0010368	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010369	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010370	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010371	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010372	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010373	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010374	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010375	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc27	MmuEX0010376	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cdc34	MmuEX0010377	chr10	79147847	79147978	79148112	79150594	+
Cdc37	MmuEX0010378	chr9	20947669	20951479	20951622	20954200	-
Cdc37l1	MmuEX0010379	chr19	29065159	29069531	29069812	29073751	+
Cdc37l1	MmuEX0010380	chr19	29069812	29071420	29071590	29073751	+
Cdc37l1	MmuEX0010381	chr19	29086543	29087278	29087400	29090332	+
Cdc37l1	MmuEX0010382	chr19	29069812	29073751	29073841	29081462	+
Cdc37l1	MmuEX0010383	chr19	29081577	29082063	29082185	29086379	+
Cdc37l1	MmuEX0010384	chr19	29086543	29088301	29088443	29099294	+
Cdc40	MmuEX0010385	chr10	40561293	40561506	40561621	40562848	-
Cdc40	MmuEX0010386	chr10	40570875	40572303	40572386	40577353	-
Cdc42	MmuEX0010387	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cdc42	MmuEX0010388	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cdc42bpa	MmuEX0010389	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010390	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010391	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010392	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010393	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010394	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010395	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010396	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010397	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010398	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010399	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpa	MmuEX0010400	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cdc42bpb	MmuEX0010401	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Cdc42bpb	MmuEX0010402	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Cdc42bpb	MmuEX0010403	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Cdc42bpb	MmuEX0010404	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-

Cdc42bpb	MmuEX0010405	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Cdc42bpb	MmuEX0010406	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Cdc42bpg	MmuEX0010407	chr19	6314617	6314705	6314780	6314990	+
Cdc42bpg	MmuEX0010408	chr19	6314780	6314990	6315096	6315172	+
Cdc42bpg	MmuEX0010409	chr19	6320842	6321657	6321754	6321827	+
Cdc42bpg	MmuEX0010410	chr19	6309382	6309727	6309822	6310218	+
Cdc42bpg	MmuEX0010411	chr19	6310366	6310795	6310888	6311022	+
Cdc42bpg	MmuEX0010412	chr19	6310366	6310448	6310472	6310795	+
Cdc42bpg	MmuEX0010413	chr19	6310888	6311022	6311222	6311322	+
Cdc42bpg	MmuEX0010414	chr19	6318574	6319925	6319936	6320079	+
Cdc42bpg	MmuEX0010415	chr19	6317514	6317604	6317685	6318358	+
Cdc42bpg	MmuEX0010416	chr19	6318574	6320079	6320141	6320243	+
Cdc42bpg	MmuEX0010417	chr19	6316578	6316829	6316934	6317161	+
Cdc42bpg	MmuEX0010418	chr19	6316934	6317161	6317294	6317375	+
Cdc42ep1	MmuEX0010419	chr15	78673155	78677525	78678249	78679595	+
Cdc42ep3	MmuEX0010420	chr17	79735056	79744980	79745098	79749076	-
Cdc42ep3	MmuEX0010421	chr17	79735056	79740874	79741010	79741921	-
Cdc42ep5	MmuEX0010422	chr7	4103389	4115695	4115789	4116061	-
Cdc42se2	MmuEX0010423	chr11	54570061	54573683	54573841	54601062	-
Cdc42se2	MmuEX0010424	chr11	54554052	54569908	54570061	54601062	-
Cdc42se2	MmuEX0010425	chr11	54554052	54569328	54569426	54569908	-
Cdc42se2	MmuEX0010426	chr11	54537177	54553740	54554052	54569908	-
Cdc45	MmuEX0010427	chr16	18786945	18787023	18787161	18793271	-
Cdc45	MmuEX0010428	chr16	18785284	18786862	18786945	18787023	-
Cdc45	MmuEX0010429	chr16	18784975	18785166	18785284	18786862	-
Cdc45	MmuEX0010430	chr16	18810574	18811398	18811457	18811608	-
Cdc45	MmuEX0010431	chr16	18807516	18808825	18808962	18810482	-
Cdc7	MmuEX0010439	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cdc73	MmuEX0010441	chr1	1.45E+08	1.45E+08	1.45E+08	1.46E+08	-
Cdc73	MmuEX0010442	chr1	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Cdc73	MmuEX0010443	chr1	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Cdc73	MmuEX0010444	chr1	1.45E+08	1.45E+08	1.45E+08	1.46E+08	-
Cdc73	MmuEX0010445	chr1	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Cdc73	MmuEX0010446	chr1	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Cdca8	MmuEX0010457	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cdh13	MmuEX0010464	chr8	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Cdh5	MmuEX0010503	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cdk10	MmuEX0010525	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk10	MmuEX0010526	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk10	MmuEX0010527	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk10	MmuEX0010528	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk10	MmuEX0010529	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk10	MmuEX0010530	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk10	MmuEX0010531	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Cdk11b	MmuEX0010532	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk11b	MmuEX0010533	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk11b	MmuEX0010534	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+

Cdk11b	MmuEX0010535	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk11b	MmuEX0010536	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk11b	MmuEX0010537	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk11b	MmuEX0010538	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk11b	MmuEX0010539	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cdk12	MmuEX0010540	chr11	98085945	98091427	98091483	98092298	+
Cdk12	MmuEX0010541	chr11	98106983	98111024	98111414	98124784	+
Cdk13	MmuEX0010542	chr13	17864791	17893140	17893291	17895272	-
Cdk13	MmuEX0010543	chr13	17864791	17892628	17892740	17895272	-
Cdk13	MmuEX0010544	chr13	17813127	17814980	17815027	17818954	-
Cdk13	MmuEX0010545	chr13	17842147	17843505	17843694	17854938	-
Cdk13	MmuEX0010546	chr13	17831026	17832507	17832512	17842091	-
Cdk13	MmuEX0010547	chr13	17831026	17842091	17842147	17843505	-
Cdk13	MmuEX0010548	chr13	17820017	17830925	17831026	17842091	-
Cdk13	MmuEX0010549	chr13	17820017	17830751	17830828	17830925	-
Cdk14	MmuEX0010550	chr5	5135413	5195278	5195357	5227164	-
Cdk14	MmuEX0010552	chr5	4888980	4894028	4894167	4922127	-
Cdk16	MmuEX0010555	chrX	20265932	20269915	20269991	20270450	+
Cdk16	MmuEX0010556	chrX	20272887	20273144	20273267	20273473	+
Cdk16	MmuEX0010557	chrX	20274090	20274246	20274336	20275577	+
Cdk17	MmuEX0010558	chr10	92623945	92644356	92644418	92670917	+
Cdk17	MmuEX0010559	chr10	92695245	92696935	92697076	92698183	+
Cdk17	MmuEX0010560	chr10	92700629	92701711	92701788	92702333	+
Cdk17	MmuEX0010561	chr10	92689520	92691390	92691513	92695125	+
Cdk18	MmuEX0010562	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cdk18	MmuEX0010563	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cdk18	MmuEX0010564	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cdk18	MmuEX0010565	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cdk19	MmuEX0010566	chr10	40069527	40114131	40114206	40154110	+
Cdk19	MmuEX0010567	chr10	40196060	40196695	40196773	40197508	+
Cdk19	MmuEX0010568	chr10	40196773	40197508	40197774	40199481	+
Cdk19	MmuEX0010569	chr10	40114206	40128053	40128172	40154110	+
Cdk19	MmuEX0010570	chr10	40114206	40154110	40154220	40173821	+
Cdk19	MmuEX0010571	chr10	40114206	40155878	40156018	40173821	+
Cdk19	MmuEX0010572	chr10	40156018	40173821	40173878	40186444	+
Cdk19	MmuEX0010573	chr10	40173878	40186444	40186575	40195375	+
Cdk19	MmuEX0010574	chr10	40186575	40189385	40189528	40195375	+
Cdk19	MmuEX0010575	chr10	40189528	40189692	40189761	40195375	+
Cdk2	MmuEX0010576	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Cdk20	MmuEX0010577	chr13	64538820	64538899	64538979	64539185	+
Cdk20	MmuEX0010578	chr13	64533978	64534285	64534398	64537426	+
Cdk20	MmuEX0010579	chr13	64537922	64538074	64538136	64538697	+
Cdk20	MmuEX0010580	chr13	64538136	64538697	64538820	64539185	+
Cdk4	MmuEX0010581	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Cdk5	MmuEX0010582	chr5	23925498	23925601	23925659	23925840	-
Cdk5	MmuEX0010583	chr5	23926146	23926311	23926407	23926549	-
Cdk5	MmuEX0010584	chr5	23926623	23926773	23926853	23928150	-

Cdk5rap1	MmuEX0010585	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Cdk5rap1	MmuEX0010586	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Cdk5rap1	MmuEX0010587	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Cdk5rap1	MmuEX0010588	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Cdk5rap1	MmuEX0010589	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Cdk5rap2	MmuEX0010592	chr4	69976498	69977567	69977659	69978461	-
Cdk5rap2	MmuEX0010593	chr4	69963248	69968229	69968323	69976358	-
Cdk5rap2	MmuEX0010594	chr4	69915848	69918369	69918417	69925525	-
Cdk5rap2	MmuEX0010595	chr4	69903629	69904430	69904619	69906415	-
Cdk5rap2	MmuEX0010596	chr4	69900396	69903505	69903629	69904430	-
Cdk5rap2	MmuEX0010597	chr4	69889758	69896381	69896524	69899214	-
Cdk5rap2	MmuEX0010598	chr4	69906531	69907982	69908008	69911387	-
Cdk5rap2	MmuEX0010599	chr4	69937742	69942124	69942556	69950879	-
Cdk5rap2	MmuEX0010600	chr4	69951063	69952866	69952961	69959854	-
Cdk5rap2	MmuEX0010601	chr4	69959982	69961600	69961709	69963118	-
Cdk5rap2	MmuEX0010602	chr4	69928082	69933678	69933809	69937508	-
Cdk5rap2	MmuEX0010603	chr4	69918417	69927509	69928082	69933678	-
Cdk5rap2	MmuEX0010604	chr4	69918417	69925525	69925757	69927509	-
Cdk5rap2	MmuEX0010605	chr4	70025164	70041225	70041335	70062279	-
Cdk5rap2	MmuEX0010606	chr4	70025164	70037827	70037903	70041225	-
Cdk5rap2	MmuEX0010607	chr4	69998593	70014644	70014685	70015747	-
Cdk5rap2	MmuEX0010608	chr4	69998593	70013703	70013822	70014644	-
Cdk5rap2	MmuEX0010609	chr4	69998593	70010178	70010279	70013703	-
Cdk5rap2	MmuEX0010610	chr4	69978631	69998375	69998593	70010178	-
Cdk5rap3	MmuEX0010611	chr11	96773750	96774320	96774368	96774696	-
Cdk6	MmuEX0010612	chr5	3390816	3428991	3429158	3473119	+
Cdk6	MmuEX0010613	chr5	3429158	3473119	3473228	3515454	+
Cdk6	MmuEX0010614	chr5	3473228	3515454	3515504	3519359	+
Cdk7	MmuEX0010615	chr13	1.01E+08	1.02E+08	1.02E+08	1.02E+08	-
Cdk7	MmuEX0010616	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Cdk7	MmuEX0010617	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Cdk7	MmuEX0010618	chr13	1.01E+08	1.01E+08	1.01E+08	1.02E+08	-
Cdk7	MmuEX0010619	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Cdk7	MmuEX0010620	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Cdk7	MmuEX0010621	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Cdk7	MmuEX0010622	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Cdk8	MmuEX0010623	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Cdk8	MmuEX0010624	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Cdk8	MmuEX0010625	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Cdk8	MmuEX0010629	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Cdk8	MmuEX0010630	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Cdk8	MmuEX0010631	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Cdk9	MmuEX0010632	chr2	32566087	32566178	32566311	32567034	-
Cdk9	MmuEX0010633	chr2	32565135	32565293	32565464	32565563	-
Cdkal1	MmuEX0010634	chr13	29801012	29809590	29809686	29869086	-
Cdkal1	MmuEX0010635	chr13	29609427	29644098	29644264	29717490	-
Cdkal1	MmuEX0010636	chr13	29418097	29421249	29421326	29446499	-

Cdkal1	MmuEX0010637	chr13	29449452	29535877	29535939	29566398	-
Cdkal1	MmuEX0010638	chr13	29717593	29717747	29717823	29783468	-
Cdkal1	MmuEX0010639	chr13	29869170	29930384	29930571	29938097	-
Cdkal1	MmuEX0010640	chr13	29941977	29946767	29946810	29947204	-
Cdkl1	MmuEX0010641	chr12	70851761	70855112	70855194	70857433	-
Cdkl2	MmuEX0010643	chr5	92466388	92468264	92468462	92471825	-
Cdkl2	MmuEX0010644	chr5	92438079	92443620	92443652	92446148	-
Cdkl2	MmuEX0010645	chr5	92454050	92460009	92460154	92462150	-
Cdkl2	MmuEX0010646	chr5	92449339	92451129	92451258	92453962	-
Cdkl2	MmuEX0010647	chr5	92437160	92437991	92438079	92446148	-
Cdkl2	MmuEX0010648	chr5	92462783	92466194	92466388	92468264	-
Cdkl3	MmuEX0010649	chr11	51847113	51849449	51849522	51850933	+
Cdkl3	MmuEX0010652	chr11	51818594	51824633	51824827	51831779	+
Cdkl3	MmuEX0010653	chr11	51839429	51840261	51840420	51840515	+
Cdkl3	MmuEX0010654	chr11	51840843	51843344	51843437	51845864	+
Cdkl3	MmuEX0010655	chr11	51847113	51854063	51854122	51897873	+
Cdkl3	MmuEX0010656	chr11	51854122	51865986	51866120	51897873	+
Cdkl3	MmuEX0010657	chr11	51854122	51897876	51897992	51903091	+
Cdkn2aip	MmuEX0010662	chr8	48797648	48798273	48798372	48798874	-
Cdkn2aipnl	MmuEX0010663	chr11	51781459	51783646	51783745	51789402	+
Cdkn2c	MmuEX0010664	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Cdnf	MmuEX0010669	chr2	3430513	3431156	3431218	3436573	+
Cdon	MmuEX0010670	chr9	35265251	35271460	35271813	35277450	+
Cdon	MmuEX0010673	chr9	35299509	35310745	35311004	35311642	+
Cdr2	MmuEX0010677	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Cdr2l	MmuEX0010679	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Cds1	MmuEX0010681	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cds1	MmuEX0010682	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cds1	MmuEX0010683	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cds1	MmuEX0010685	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cds1	MmuEX0010686	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Cds2	MmuEX0010687	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Cds2	MmuEX0010688	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Cds2	MmuEX0010689	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Cdv3	MmuEX0010690	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cdyl	MmuEX0010693	chr13	35830507	35833271	35833757	35881970	+
Cdyl	MmuEX0010694	chr13	35833757	35881970	35882044	35907778	+
Cdyl	MmuEX0010695	chr13	35833757	35907778	35908444	35948532	+
Cdyl	MmuEX0010696	chr13	35950117	35955068	35955278	35963447	+
Cdyl2	MmuEX0010697	chr8	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cdyl2	MmuEX0010698	chr8	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Cdyl2	MmuEX0010699	chr8	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ceacam1	MmuEX0010700	chr7	26249899	26251336	26251456	26256817	-
Ceacam1	MmuEX0010702	chr7	26248919	26249868	26249899	26256817	-
Ceacam1	MmuEX0010703	chr7	26257092	26259539	26259823	26261363	-
Ceacam1	MmuEX0010704	chr7	26257092	26258817	26259071	26261363	-
Cebpz	MmuEX0010715	chr17	79321061	79321470	79321654	79321854	-

Cecr2	MmuEX0010716	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Cecr2	MmuEX0010717	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Cecr2	MmuEX0010718	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Cecr2	MmuEX0010719	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Cecr5	MmuEX0010720	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Cecr5	MmuEX0010721	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Cecr5	MmuEX0010722	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Cecr5	MmuEX0010723	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Celf1	MmuEX0010727	chr2	90838924	90839230	90839356	90841163	+
Celf1	MmuEX0010728	chr2	90848457	90849362	90849472	90850550	+
Celf1	MmuEX0010729	chr2	90853559	90853648	90853752	90856723	+
Celf1	MmuEX0010730	chr2	90780798	90794446	90794498	90838737	+
Celf1	MmuEX0010731	chr2	90780798	90827822	90827973	90838737	+
Celf1	MmuEX0010732	chr2	90849472	90850550	90850735	90852856	+
Celf2	MmuEX0010733	chr2	6481836	6507020	6507154	6521080	-
Celf2	MmuEX0010734	chr2	6475010	6481717	6481836	6507020	-
Celf2	MmuEX0010735	chr2	6471021	6474831	6475010	6475326	-
Celf2	MmuEX0010736	chr2	6585243	6642463	6642659	6793402	-
Celf2	MmuEX0010737	chr2	6468259	6470878	6471021	6474831	-
Celf2	MmuEX0010738	chr2	6525228	6528928	6529007	6536734	-
Cenpa	MmuEX0010774	chr5	30969486	30971372	30971425	30972065	+
Cenpa	MmuEX0010775	chr5	30969486	30972065	30972201	30972748	+
Cenpa	MmuEX0010776	chr5	30969486	30972748	30972783	30974837	+
Cenpa	MmuEX0010777	chr5	30972201	30972989	30973086	30974837	+
Cenpa	MmuEX0010778	chr5	30974947	30975360	30975432	30975640	+
Cenpa	MmuEX0010779	chr5	30975432	30975666	30975816	30976411	+
Cenpc1	MmuEX0010780	chr5	86487271	86489550	86489578	86491029	-
Cenpc1	MmuEX0010781	chr5	86487271	86488090	86488176	86489550	-
Cenpc1	MmuEX0010782	chr5	86447509	86449854	86449976	86451404	-
Cenpc1	MmuEX0010783	chr5	86463535	86464441	86464614	86466337	-
Cenpc1	MmuEX0010784	chr5	86475605	86476609	86476708	86481196	-
Cenpc1	MmuEX0010785	chr5	86481266	86487180	86487271	86491029	-
Cenpf	MmuEX0010796	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Cenpj	MmuEX0010819	chr14	57148811	57148887	57149027	57151073	-
Cenpj	MmuEX0010822	chr14	57154430	57161602	57161767	57168261	-
Cenpl	MmuEX0010830	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Cenpn	MmuEX0010839	chr8	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Cenpo	MmuEX0010840	chr12	4231682	4233531	4233657	4233752	-
Cenpo	MmuEX0010843	chr12	4216778	4217208	4217322	4231516	-
Cenpo	MmuEX0010844	chr12	4214630	4215259	4215430	4216519	-
Cenpo	MmuEX0010845	chr12	4217322	4231516	4231682	4233531	-
Cenpp	MmuEX0010846	chr13	49560155	49561048	49561127	49722624	-
Cenpp	MmuEX0010847	chr13	49561127	49658810	49658903	49722624	-
Cenpp	MmuEX0010848	chr13	49561127	49655498	49655683	49722624	-
Cenpp	MmuEX0010849	chr13	49561127	49654160	49654270	49722624	-
Cenpp	MmuEX0010850	chr13	49561127	49652616	49652829	49722624	-
Cenpp	MmuEX0010851	chr13	49561127	49649289	49649338	49722624	-

Cenpp	MmuEX0010852	chr13	49561127	49644321	49644423	49722624	-
Cenpp	MmuEX0010853	chr13	49736683	49742935	49743023	49745490	-
Cenpp	MmuEX0010854	chr13	49722720	49736595	49736683	49742935	-
Cenpq	MmuEX0010855	chr17	41067028	41068599	41068725	41069745	-
Cenpq	MmuEX0010856	chr17	41060565	41061238	41061315	41061451	-
Cenpq	MmuEX0010857	chr17	41061570	41064088	41064217	41066963	-
Cenpt	MmuEX0010858	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010859	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010861	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010862	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010863	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010864	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010865	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpt	MmuEX0010866	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cenpv	MmuEX0010867	chr11	62347456	62347548	62347645	62349784	-
Cep110	MmuEX0010868	chr2	34985335	34989478	34989631	34990988	+
Cep110	MmuEX0010869	chr2	34987876	34988489	34988632	34989478	+
Cep110	MmuEX0010870	chr2	34991208	34993152	34993328	34996007	+
Cep110	MmuEX0010871	chr2	34993328	34995732	34995760	34996007	+
Cep110	MmuEX0010872	chr2	35005114	35007200	35007389	35008677	+
Cep110	MmuEX0010873	chr2	34973716	34975457	34975643	34978180	+
Cep110	MmuEX0010874	chr2	35024835	35025979	35026167	35026541	+
Cep110	MmuEX0010875	chr2	35030892	35031058	35031120	35031648	+
Cep110	MmuEX0010876	chr2	34978373	34979714	34979747	34981496	+
Cep110	MmuEX0010877	chr2	34968974	34972192	34972322	34973575	+
Cep110	MmuEX0010878	chr2	34999941	35000577	35000756	35002752	+
Cep110	MmuEX0010879	chr2	35002931	35004011	35004127	35004391	+
Cep110	MmuEX0010880	chr2	35010979	35013116	35013308	35015768	+
Cep110	MmuEX0010881	chr2	35027563	35028537	35028677	35030629	+
Cep110	MmuEX0010882	chr2	34983557	34985141	34985335	34989478	+
Cep110	MmuEX0010883	chr2	35018440	35020967	35021082	35021168	+
Cep110	MmuEX0010884	chr2	35021385	35023251	35023408	35024608	+
Cep110	MmuEX0010885	chr2	35015898	35016041	35016181	35017449	+
Cep110	MmuEX0010886	chr2	35016181	35016311	35016437	35017449	+
Cep120	MmuEX0010887	chr18	53899862	53903936	53904001	53904142	-
Cep120	MmuEX0010888	chr18	53899862	53900635	53900856	53903936	-
Cep120	MmuEX0010889	chr18	53878283	53878870	53879019	53881277	-
Cep120	MmuEX0010890	chr18	53843118	53845537	53845682	53857249	-
Cep120	MmuEX0010891	chr18	53882959	53884008	53884235	53887201	-
Cep120	MmuEX0010892	chr18	53845682	53857249	53857347	53862776	-
Cep120	MmuEX0010893	chr18	53866635	53868711	53868803	53873036	-
Cep120	MmuEX0010894	chr18	53884235	53887201	53887398	53890745	-
Cep135	MmuEX0010895	chr5	77038794	77040090	77040149	77040675	+
Cep135	MmuEX0010896	chr5	77045980	77050309	77050386	77053652	+
Cep135	MmuEX0010897	chr5	77053803	77059690	77059805	77059878	+
Cep135	MmuEX0010898	chr5	77063362	77065887	77066096	77067089	+
Cep135	MmuEX0010899	chr5	77068051	77068786	77069011	77069907	+

Cep135	MmuEX0010902	chr5	77044815	77045828	77045980	77050309	+
Cep135	MmuEX0010903	chr5	77066096	77067089	77067291	77067947	+
Cep152	MmuEX0010909	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cep164	MmuEX0010910	chr9	45599249	45601015	45601095	45602135	-
Cep164	MmuEX0010911	chr9	45617991	45626061	45626172	45631729	-
Cep164	MmuEX0010912	chr9	45631847	45634809	45634891	45636585	-
Cep164	MmuEX0010913	chr9	45583828	45583948	45584031	45584866	-
Cep164	MmuEX0010914	chr9	45583450	45583760	45583828	45583948	-
Cep164	MmuEX0010915	chr9	45609625	45617787	45617991	45626061	-
Cep164	MmuEX0010916	chr9	45611411	45614069	45615727	45617787	-
Cep164	MmuEX0010917	chr9	45610860	45611256	45611411	45617787	-
Cep164	MmuEX0010918	chr9	45609625	45610726	45610851	45611256	-
Cep164	MmuEX0010919	chr9	45587919	45593861	45594004	45595509	-
Cep164	MmuEX0010920	chr9	45587919	45592966	45593112	45595509	-
Cep164	MmuEX0010921	chr9	45587919	45590035	45590331	45595509	-
Cep170	MmuEX0010922	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep170	MmuEX0010923	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep170	MmuEX0010924	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep170	MmuEX0010925	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep170	MmuEX0010926	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep170	MmuEX0010927	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep170	MmuEX0010928	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	-
Cep192	MmuEX0010933	chr18	68011458	68011611	68011703	68012558	+
Cep192	MmuEX0010934	chr18	68015029	68015424	68015459	68015802	+
Cep192	MmuEX0010935	chr18	68015978	68016546	68016686	68017644	+
Cep192	MmuEX0010936	chr18	68015978	68017644	68017904	68018509	+
Cep192	MmuEX0010937	chr18	68018624	68020188	68020297	68022063	+
Cep192	MmuEX0010938	chr18	68025434	68026085	68026208	68028095	+
Cep192	MmuEX0010939	chr18	68037729	68038193	68038314	68040405	+
Cep192	MmuEX0010944	chr18	68013881	68014939	68015029	68015802	+
Cep250	MmuEX0010945	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010946	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010947	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010949	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010951	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010952	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010953	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010955	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010956	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010957	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010958	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep250	MmuEX0010959	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Cep290	MmuEX0010966	chr10	99981509	99985864	99986037	99991183	+
Cep290	MmuEX0010967	chr10	1E+08	1E+08	1E+08	1E+08	+
Cep290	MmuEX0010968	chr10	1E+08	1E+08	1E+08	1E+08	+
Cep290	MmuEX0010969	chr10	1E+08	1E+08	1E+08	1E+08	+
Cep290	MmuEX0010971	chr10	1E+08	1E+08	1E+08	1E+08	+

Cep290	MmuEX0010972	chr10	1E+08	1E+08	1E+08	1E+08	+
Cep290	MmuEX0010973	chr10	1E+08	1E+08	1E+08	1E+08	+
Cep350	MmuEX0010974	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep350	MmuEX0010975	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep350	MmuEX0010976	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep350	MmuEX0010977	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep350	MmuEX0010978	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep350	MmuEX0010979	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep350	MmuEX0010980	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Cep57	MmuEX0010983	chr9	13622888	13623303	13623482	13625971	-
Cep57	MmuEX0010984	chr9	13623482	13624648	13624819	13625971	-
Cep57	MmuEX0010985	chr9	13621447	13622767	13622888	13623303	-
Cep57	MmuEX0010986	chr9	13620576	13621331	13621447	13622767	-
Cep57	MmuEX0010987	chr9	13615306	13617077	13617154	13617854	-
Cep57	MmuEX0010988	chr9	13614448	13615071	13615306	13617077	-
Cep5711	MmuEX0010991	chr10	41460767	41462848	41463027	41465577	-
Cep5711	MmuEX0010993	chr10	41442811	41443667	41443744	41448434	-
Cep5711	MmuEX0010994	chr10	41441507	41442690	41442811	41443667	-
Cep5711	MmuEX0010995	chr10	41439713	41441363	41441507	41442690	-
Cep5711	MmuEX0010997	chr10	41443744	41448434	41448520	41449137	-
Cep63	MmuEX0010998	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0010999	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011000	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011001	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011002	chr9	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Cep63	MmuEX0011003	chr9	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Cep63	MmuEX0011004	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011005	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011006	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011007	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep63	MmuEX0011008	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Cep68	MmuEX0011009	chr11	20130597	20136009	20136105	20138469	-
Cep68	MmuEX0011010	chr11	20129484	20130427	20130597	20136009	-
Cep68	MmuEX0011011	chr11	20140701	20141889	20142241	20149310	-
Cep70	MmuEX0011012	chr9	99144303	99146686	99146785	99154674	+
Cep70	MmuEX0011013	chr9	99146785	99154674	99154796	99162965	+
Cep70	MmuEX0011014	chr9	99154796	99162965	99163055	99164048	+
Cep70	MmuEX0011015	chr9	99163055	99163245	99163368	99164048	+
Cep70	MmuEX0011016	chr9	99163368	99164048	99164228	99175997	+
Cep70	MmuEX0011017	chr9	99196863	99197998	99198112	99200147	+
Cep70	MmuEX0011018	chr9	99198112	99198922	99199001	99200147	+
Cep70	MmuEX0011019	chr9	99178437	99178529	99178580	99181447	+
Cep76	MmuEX0011025	chr18	67793202	67794409	67794594	67796793	-
Cep76	MmuEX0011026	chr18	67786362	67787075	67787219	67789473	-
Cep76	MmuEX0011027	chr18	67783124	67784584	67784750	67786174	-
Cep78	MmuEX0011028	chr19	16036939	16043562	16043690	16045023	-
Cep78	MmuEX0011029	chr19	16030893	16034022	16034190	16035433	-

Cep78	MmuEX0011030	chr19	16055685	16055955	16056027	16056118	-
Cep78	MmuEX0011031	chr19	16049442	16050739	16050852	16053271	-
Cep78	MmuEX0011032	chr19	16048957	16049378	16049442	16050739	-
Cep78	MmuEX0011033	chr19	16045521	16048846	16048957	16049378	-
Cep78	MmuEX0011034	chr19	16030893	16036862	16036939	16043562	-
Cep78	MmuEX0011035	chr19	16030893	16035433	16035599	16036862	-
Cep78	MmuEX0011036	chr19	16030893	16032585	16032651	16034022	-
Cep78	MmuEX0011037	chr19	16030893	16031093	16031159	16032585	-
Cep97	MmuEX0011038	chr16	55915744	55918651	55918775	55919516	-
Cep97	MmuEX0011039	chr16	55927992	55930579	55930721	55934866	-
Cep97	MmuEX0011040	chr16	55911743	55914970	55915744	55918651	-
Cep97	MmuEX0011041	chr16	55905982	55911668	55911743	55918651	-
Cept1	MmuEX0011042	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cept1	MmuEX0011043	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cept1	MmuEX0011044	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cercam	MmuEX0011045	chr2	29736260	29736435	29736638	29737216	+
Cercam	MmuEX0011046	chr2	29726912	29728083	29728217	29728328	+
Cerk	MmuEX0011049	chr15	85972042	85972442	85972690	85973112	-
Cerk	MmuEX0011050	chr15	85989649	85995143	85995278	85995398	-
Cerk	MmuEX0011051	chr15	85987081	85989524	85989649	85995398	-
Cerk	MmuEX0011052	chr15	85985549	85987018	85987081	85989524	-
Cerk	MmuEX0011053	chr15	85976820	85979708	85979860	85981965	-
Ces2g	MmuEX0011071	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cetn3	MmuEX0011079	chr13	81922356	81923640	81923775	81925842	+
Cetn3	MmuEX0011080	chr13	81925956	81930955	81931146	81935653	+
Cetn3	MmuEX0011081	chr13	81931146	81935149	81935176	81935653	+
Cetn3	MmuEX0011082	chr13	81925956	81929170	81929405	81930955	+
Cfdp1	MmuEX0011086	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Cfhr2	MmuEX0011089	chr1	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Cfhr2	MmuEX0011090	chr1	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Cfhr2	MmuEX0011091	chr1	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Cflar	MmuEX0011096	chr1	58789170	58792502	58792556	58797107	+
Cfp	MmuEX0011097	chrX	20506897	20508278	20508428	20508517	-
Cfp	MmuEX0011098	chrX	20505939	20506722	20506897	20508278	-
Cfp	MmuEX0011099	chrX	20505645	20505769	20505939	20506722	-
Cfp	MmuEX0011100	chrX	20504849	20505079	20505252	20505454	-
Cgnl1	MmuEX0011111	chr9	71504059	71552955	71553167	71563130	-
Cgrrf1	MmuEX0011112	chr14	47459971	47465552	47466007	47473054	+
Chac2	MmuEX0011113	chr11	30877746	30879565	30879600	30886112	-
Chaf1a	MmuEX0011116	chr17	56202314	56202751	56202843	56203424	+
Chaf1a	MmuEX0011119	chr17	56195900	56197141	56197343	56198407	+
Chaf1a	MmuEX0011121	chr17	56183535	56186246	56187057	56195844	+
Chaf1a	MmuEX0011122	chr17	56187057	56195844	56195900	56197141	+
Chchd3	MmuEX0011124	chr6	32754025	32789544	32789624	32802145	-
Chchd3	MmuEX0011125	chr6	32842375	32843392	32843406	32918201	-
Chchd3	MmuEX0011126	chr6	32958564	32999337	32999424	33010000	-
Chchd3	MmuEX0011127	chr6	32742926	32751178	32751284	32753890	-

Chchd5	MmuEX0011128	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Chchd5	MmuEX0011129	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Chchd6	MmuEX0011130	chr6	89519406	89524362	89524584	89545453	-
Chchd6	MmuEX0011131	chr6	89417467	89517581	89517725	89519337	-
Chchd6	MmuEX0011132	chr6	89369812	89417384	89417467	89517581	-
Chchd6	MmuEX0011133	chr6	89417467	89519337	89519406	89545453	-
Chchd6	MmuEX0011134	chr6	89334733	89369742	89369812	89417384	-
Chchd7	MmuEX0011135	chr4	3869966	3870135	3870173	3870535	+
Chchd7	MmuEX0011136	chr4	3866278	3866571	3866673	3869782	+
Chchd7	MmuEX0011137	chr4	3866278	3868393	3868458	3869782	+
Chd1	MmuEX0011138	chr17	15872808	15873824	15873913	15875446	+
Chd1	MmuEX0011139	chr17	15876658	15879121	15879283	15880042	+
Chd1	MmuEX0011140	chr17	15880194	15884099	15884170	15884732	+
Chd1	MmuEX0011141	chr17	15892045	15893724	15893765	15894581	+
Chd1	MmuEX0011142	chr17	15897414	15898243	15898371	15899346	+
Chd1	MmuEX0011143	chr17	15868003	15868818	15869043	15869503	+
Chd1l	MmuEX0011144	chr3	97376632	97384902	97385100	97386640	-
Chd1l	MmuEX0011145	chr3	97376632	97377970	97378035	97384902	-
Chd1l	MmuEX0011146	chr3	97370752	97373024	97373122	97374125	-
Chd1l	MmuEX0011147	chr3	97398093	97401615	97401696	97405945	-
Chd1l	MmuEX0011148	chr3	97394569	97395128	97395283	97397931	-
Chd1l	MmuEX0011149	chr3	97374990	97376484	97376632	97384902	-
Chd2	MmuEX0011150	chr7	80660698	80664363	80664594	80685658	-
Chd2	MmuEX0011151	chr7	80638527	80642593	80642717	80644480	-
Chd2	MmuEX0011152	chr7	80619540	80620230	80620379	80623545	-
Chd2	MmuEX0011153	chr7	80616775	80617898	80617994	80619392	-
Chd2	MmuEX0011154	chr7	80614614	80616683	80616775	80617898	-
Chd2	MmuEX0011155	chr7	80608661	80609234	80609275	80613342	-
Chd2	MmuEX0011156	chr7	80600798	80608522	80608661	80609234	-
Chd2	MmuEX0011157	chr7	80586685	80589121	80589220	80592021	-
Chd2	MmuEX0011158	chr7	80574886	80580621	80580864	80586472	-
Chd2	MmuEX0011159	chr7	80594177	80596585	80596725	80597985	-
Chd2	MmuEX0011160	chr7	80629483	80635365	80635555	80636221	-
Chd2	MmuEX0011161	chr7	80636310	80638311	80638527	80642593	-
Chd2	MmuEX0011162	chr7	80644869	80645821	80645921	80646795	-
Chd2	MmuEX0011163	chr7	80647020	80648267	80648400	80649874	-
Chd2	MmuEX0011164	chr7	80664594	80685658	80685790	80686132	-
Chd2	MmuEX0011165	chr7	80592199	80592406	80592449	80594043	-
Chd2	MmuEX0011166	chr7	80652799	80658976	80659037	80660612	-
Chd2	MmuEX0011167	chr7	80650014	80652692	80652799	80658976	-
Chd2	MmuEX0011168	chr7	80599337	80599577	80599689	80600377	-
Chd3	MmuEX0011169	chr11	69173877	69174047	69174277	69174551	-
Chd3	MmuEX0011170	chr11	69157980	69158638	69158764	69158973	-
Chd3	MmuEX0011171	chr11	69162026	69162212	69162313	69162423	-
Chd4	MmuEX0011172	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Chd4	MmuEX0011173	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Chd4	MmuEX0011174	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+

Chd4	MmuEX0011175	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Chd4	MmuEX0011176	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Chd6	MmuEX0011185	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011186	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011187	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011190	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011191	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011192	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011196	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011197	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011198	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011199	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011202	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011203	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011204	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011205	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011206	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011207	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011208	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011209	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011210	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd6	MmuEX0011211	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Chd7	MmuEX0011212	chr4	8774763	8776268	8776410	8777943	+
Chd7	MmuEX0011213	chr4	8782661	8783818	8783978	8785626	+
Chd7	MmuEX0011214	chr4	8754274	8755379	8755555	8759622	+
Chd7	MmuEX0011215	chr4	8755555	8759622	8759765	8777943	+
Chd7	MmuEX0011216	chr4	8759765	8760887	8761142	8777943	+
Chd7	MmuEX0011217	chr4	8761142	8765698	8765908	8777943	+
Chd7	MmuEX0011218	chr4	8765908	8766572	8766767	8777943	+
Chd7	MmuEX0011219	chr4	8766767	8767536	8767703	8777943	+
Chd7	MmuEX0011220	chr4	8767703	8768243	8768422	8777943	+
Chd7	MmuEX0011221	chr4	8768422	8771459	8771569	8777943	+
Chd7	MmuEX0011222	chr4	8771569	8771654	8771859	8777943	+
Chd7	MmuEX0011223	chr4	8771859	8774226	8774425	8777943	+
Chd7	MmuEX0011224	chr4	8712910	8732298	8732435	8733443	+
Chd7	MmuEX0011225	chr4	8774425	8774604	8774763	8777943	+
Chd7	MmuEX0011226	chr4	8774763	8777943	8778032	8791056	+
Chd7	MmuEX0011227	chr4	8778032	8778401	8778504	8780321	+
Chd7	MmuEX0011228	chr4	8778504	8779825	8779954	8780321	+
Chd7	MmuEX0011229	chr4	8779954	8780321	8780393	8791056	+
Chd7	MmuEX0011230	chr4	8780393	8780550	8780607	8791056	+
Chd7	MmuEX0011231	chr4	8785853	8786190	8786633	8789637	+
Chd7	MmuEX0011232	chr4	8733508	8738587	8738642	8749524	+
Chd7	MmuEX0011233	chr4	8738642	8749524	8749638	8752609	+
Chd7	MmuEX0011234	chr4	8752692	8753356	8753493	8753590	+
Chd7	MmuEX0011235	chr4	8753493	8753590	8753711	8760887	+
Chd7	MmuEX0011236	chr4	8753711	8754031	8754274	8760887	+

Chd8	MmuEX0011237	chr14	52841099	52842157	52842294	52844301	-
Chd8	MmuEX0011238	chr14	52839448	52840589	52840832	52840978	-
Chd8	MmuEX0011239	chr14	52836127	52836675	52836804	52837391	-
Chd8	MmuEX0011240	chr14	52832161	52832238	52832394	52832499	-
Chd8	MmuEX0011241	chr14	52830290	52831491	52831594	52832072	-
Chd8	MmuEX0011242	chr14	52846979	52847173	52847355	52851113	-
Chd8	MmuEX0011243	chr14	52842294	52844195	52844225	52844301	-
Chd9	MmuEX0011250	chr8	93510079	93513329	93513572	93518359	+
Chd9	MmuEX0011251	chr8	93518535	93520739	93520882	93520976	+
Chd9	MmuEX0011252	chr8	93525714	93529613	93529780	93530430	+
Chd9	MmuEX0011253	chr8	93502898	93507361	93507447	93508167	+
Chd9	MmuEX0011254	chr8	93508304	93509958	93510079	93513329	+
Chek2	MmuEX0011261	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chek2	MmuEX0011262	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chek2	MmuEX0011265	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Cherp	MmuEX0011268	chr8	74986001	74986076	74986219	74986303	-
Cherp	MmuEX0011269	chr8	74985254	74985335	74985520	74985648	-
Cherp	MmuEX0011270	chr8	74992188	74992274	74992385	74993763	-
Cherp	MmuEX0011271	chr8	74986219	74986303	74986389	74986700	-
Chfr	MmuEX0011272	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011273	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011274	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011275	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011276	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011277	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011278	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011279	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chfr	MmuEX0011280	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Chic2	MmuEX0011289	chr5	75407534	75423093	75423248	75423386	-
Chic2	MmuEX0011290	chr5	75402788	75407256	75407315	75407478	-
Chid1	MmuEX0011291	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Chid1	MmuEX0011292	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Chid1	MmuEX0011293	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Chid1	MmuEX0011294	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Chid1	MmuEX0011295	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Chka	MmuEX0011297	chr19	3864759	3884472	3884585	3885860	+
Chka	MmuEX0011299	chr19	3874798	3875367	3875471	3875735	+
Chka	MmuEX0011300	chr19	3864759	3871003	3871062	3875735	+
Chka	MmuEX0011301	chr19	3864759	3875735	3875788	3884472	+
Chka	MmuEX0011302	chr19	3875788	3882010	3882120	3884472	+
Chkb	MmuEX0011303	chr15	89258660	89258842	89258975	89259145	-
Chm	MmuEX0011308	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chm	MmuEX0011309	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chm	MmuEX0011310	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chm	MmuEX0011311	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chm	MmuEX0011312	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chm	MmuEX0011313	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-

Chm	MmuEX0011314	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chm	MmuEX0011315	chrX	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Chmp2a	MmuEX0011317	chr7	13617914	13618141	13618170	13619178	-
Chmp2a	MmuEX0011318	chr7	13617699	13617784	13617914	13617991	-
Chmp4c	MmuEX0011319	chr3	10367221	10385279	10385414	10385552	+
Chmp4c	MmuEX0011320	chr3	10385729	10387037	10387151	10389549	+
Chmp6	MmuEX0011321	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Chmp6	MmuEX0011322	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Chmp7	MmuEX0011323	chr14	70121199	70129930	70130101	70131998	-
Chmp7	MmuEX0011324	chr14	70118996	70119206	70119304	70119555	-
Chn1	MmuEX0011325	chr2	73497814	73515817	73515894	73517672	-
Chn1	MmuEX0011326	chr2	73469887	73492995	73493115	73497737	-
Chn1	MmuEX0011327	chr2	73452824	73455978	73456115	73462172	-
Chn1	MmuEX0011328	chr2	73451253	73452719	73452824	73455978	-
Chn1	MmuEX0011329	chr2	73545089	73548512	73548543	73554421	-
Chn1	MmuEX0011330	chr2	73517960	73544976	73545089	73548512	-
Chn1	MmuEX0011331	chr2	73517960	73554421	73554476	73559460	-
Chn1	MmuEX0011332	chr2	73497814	73517672	73517960	73544976	-
Chn1	MmuEX0011333	chr2	73469887	73497737	73497814	73517672	-
Chordc1	MmuEX0011339	chr9	18096904	18099744	18099793	18105450	+
Chordc1	MmuEX0011340	chr9	18108830	18109737	18109795	18113194	+
Chordc1	MmuEX0011341	chr9	18109795	18112666	18112728	18113194	+
Chordc1	MmuEX0011342	chr9	18106627	18108727	18108830	18109737	+
Chpf	MmuEX0011343	chr1	75474393	75474845	75474987	75475367	-
Chpf2	MmuEX0011344	chr5	24094118	24094915	24095479	24096127	+
Chpf2	MmuEX0011345	chr5	24095479	24096127	24096309	24096887	+
Chpt1	MmuEX0011346	chr10	87950007	87951127	87951268	87952326	-
Chpt1	MmuEX0011347	chr10	87939913	87940425	87940534	87943560	-
Chpt1	MmuEX0011348	chr10	87939913	87944976	87945060	87951127	-
Chpt1	MmuEX0011349	chr10	87943691	87944098	87944124	87944976	-
Chpt1	MmuEX0011350	chr10	87939913	87943560	87943691	87944976	-
Chrac1	MmuEX0011351	chr15	72921441	72923263	72923389	72923954	+
Chrd	MmuEX0011356	chr16	20738889	20738977	20739070	20739184	+
Chrn1	MmuEX0011380	chr11	69607114	69607386	69607494	69607652	-
Chrn1	MmuEX0011381	chr11	69600606	69606201	69606410	69606967	-
Chrn1	MmuEX0011382	chr11	69599381	69600383	69600449	69606201	-
Chrn1	MmuEX0011383	chr11	69608515	69609097	69609175	69609324	-
Chrn1	MmuEX0011384	chr11	69607761	69608471	69608515	69609097	-
Chrn1	MmuEX0011385	chr11	69607494	69607652	69607761	69608471	-
Chst1	MmuEX0011395	chr2	92440305	92448424	92448627	92451851	+
Chst15	MmuEX0011399	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Chst7	MmuEX0011401	chrX	19638334	19666907	19666966	19674091	+
Chtf8	MmuEX0011408	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Chtf8	MmuEX0011409	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Chuk	MmuEX0011411	chr19	44176341	44178148	44178242	44181778	-
Chuk	MmuEX0011412	chr19	44173163	44174640	44174709	44176227	-
Chuk	MmuEX0011413	chr19	44150020	44151753	44151869	44152783	-

Chuk	MmuEX0011414	chr19	44156485	44157076	44157185	44158907	-
Chuk	MmuEX0011415	chr19	44158968	44161398	44161549	44162406	-
Ciapin1	MmuEX0011416	chr8	97349231	97350535	97350608	97352177	-
Ciapin1	MmuEX0011417	chr8	97347107	97347553	97347631	97349116	-
Cib1	MmuEX0011418	chr7	87372968	87373048	87373166	87373284	-
Cib1	MmuEX0011419	chr7	87373434	87377230	87377264	87377396	-
Cib1	MmuEX0011420	chr7	87373434	87375202	87375310	87377396	-
Cic	MmuEX0011424	chr7	26075711	26075818	26075984	26076074	+
Cic	MmuEX0011425	chr7	26077800	26077975	26078106	26078187	+
Cic	MmuEX0011426	chr7	26070835	26070917	26071082	26071826	+
Cic	MmuEX0011427	chr7	26072872	26073093	26074320	26074407	+
Cidea	MmuEX0011428	chr18	67518508	67519750	67519896	67526029	+
Cilp	MmuEX0011434	chr9	65121630	65122337	65122445	65123651	+
Cinp	MmuEX0011436	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Cinp	MmuEX0011437	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Cinp	MmuEX0011438	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Cinp	MmuEX0011439	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Cirbp	MmuEX0011440	chr10	79633251	79633439	79633509	79633727	+
Cirh1a	MmuEX0011441	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Cirh1a	MmuEX0011442	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Cirh1a	MmuEX0011443	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Cirh1a	MmuEX0011444	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Cirh1a	MmuEX0011445	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Cirh1a	MmuEX0011446	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Cish	MmuEX0011447	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ciz1	MmuEX0011460	chr2	32225645	32225762	32225864	32226384	+
Ciz1	MmuEX0011461	chr2	32231947	32232527	32232576	32232813	+
Ciz1	MmuEX0011462	chr2	32219499	32219739	32219854	32222823	+
Ciz1	MmuEX0011463	chr2	32219854	32221323	32221394	32222823	+
Ciz1	MmuEX0011464	chr2	32225864	32226384	32226621	32227818	+
Ciz1	MmuEX0011465	chr2	32225864	32226769	32226928	32227818	+
Ciz1	MmuEX0011466	chr2	32225864	32227156	32227277	32227818	+
Ckap5	MmuEX0011472	chr2	91401068	91402911	91403000	91403106	+
Ckap5	MmuEX0011473	chr2	91403000	91403106	91403270	91404477	+
Ckap5	MmuEX0011474	chr2	91403270	91404477	91404605	91405778	+
Ckap5	MmuEX0011475	chr2	91404605	91405778	91405960	91408294	+
Ckap5	MmuEX0011476	chr2	91405960	91406825	91407052	91408294	+
Ckap5	MmuEX0011477	chr2	91405960	91408294	91408407	91408794	+
Ckap5	MmuEX0011478	chr2	91416230	91416320	91416445	91417721	+
Ckap5	MmuEX0011479	chr2	91418366	91419580	91419693	91421267	+
Ckap5	MmuEX0011480	chr2	91419693	91421267	91421395	91425879	+
Ckap5	MmuEX0011481	chr2	91421395	91425879	91426073	91426395	+
Ckap5	MmuEX0011482	chr2	91447789	91452897	91452972	91455130	+
Ckap5	MmuEX0011483	chr2	91456034	91456458	91456617	91459845	+
Ckap5	MmuEX0011484	chr2	91439535	91439761	91439784	91440798	+
Ckap5	MmuEX0011485	chr2	91456617	91459908	91459996	91460139	+
Ckmt2	MmuEX0011491	chr13	91993253	91995343	91995468	91997816	-

Ckmt2	MmuEX0011492	chr13	91998923	91999464	91999549	92000743	-
Ckmt2	MmuEX0011493	chr13	92002942	92004787	92004958	92016427	-
Clasp1	MmuEX0011495	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011496	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011497	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011498	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011499	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011500	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011501	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011502	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011503	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011504	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011505	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011506	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011507	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011508	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011509	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011510	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp1	MmuEX0011511	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Clasp2	MmuEX0011512	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011516	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011517	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011518	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011519	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011520	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011521	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011522	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011523	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011524	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011525	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011526	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011527	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011528	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011529	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011530	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011531	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011532	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011533	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011534	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011535	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011536	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011537	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011538	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasp2	MmuEX0011539	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Clasrp	MmuEX0011540	chr7	20172276	20173174	20173215	20173940	-
Clasrp	MmuEX0011541	chr7	20174173	20175588	20175684	20176439	-
Clasrp	MmuEX0011542	chr7	20177426	20179822	20179901	20180256	-

Clasrp	MmuEX0011543	chr7	20177426	20178389	20178515	20179822	-
Clasrp	MmuEX0011544	chr7	20173215	20173940	20174013	20174095	-
Clasrp	MmuEX0011545	chr7	20180905	20188539	20188650	20189761	-
Clasrp	MmuEX0011546	chr7	20180357	20180808	20180902	20188535	-
Clasrp	MmuEX0011547	chr7	20179901	20180256	20180357	20180808	-
Clcc1	MmuEX0011551	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Clcc1	MmuEX0011552	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Clcc1	MmuEX0011553	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Clcc1	MmuEX0011554	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Clcc1	MmuEX0011555	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Clcc1	MmuEX0011556	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Clcn1	MmuEX0011562	chr6	42260664	42260922	42261001	42261211	+
Clcn2	MmuEX0011567	chr16	20710022	20710345	20710500	20710628	-
Clcn2	MmuEX0011569	chr16	20707705	20707916	20707989	20708150	-
Clcn2	MmuEX0011571	chr16	20703714	20707247	20707351	20707492	-
Clcn2	MmuEX0011574	chr16	20707530	20707646	20707705	20707916	-
Clcn2	MmuEX0011576	chr16	20709388	20709643	20709702	20709953	-
Clcn2	MmuEX0011577	chr16	20708840	20709175	20709388	20709643	-
Clcn3	MmuEX0011578	chr8	63420211	63454529	63454704	63461573	-
Clcn3	MmuEX0011579	chr8	63406215	63407868	63408413	63409478	-
Clcn3	MmuEX0011580	chr8	63413404	63416097	63416284	63417345	-
Clcn3	MmuEX0011581	chr8	63412084	63413282	63413404	63416097	-
Clcn3	MmuEX0011582	chr8	63391972	63393550	63393625	63398137	-
Clcn3	MmuEX0011583	chr8	63401985	63406029	63406215	63407868	-
Clcn3	MmuEX0011584	chr8	63398353	63401587	63401985	63406029	-
Clcn4-2	MmuEX0011585	chr7	7248780	7249435	7249589	7251403	-
Clcn4-2	MmuEX0011586	chr7	7247894	7248681	7248780	7251403	-
Clcn4-2	MmuEX0011587	chr7	7244437	7244531	7244667	7245749	-
Clcn6	MmuEX0011592	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn6	MmuEX0011593	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn6	MmuEX0011594	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn6	MmuEX0011595	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn6	MmuEX0011596	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn6	MmuEX0011597	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn6	MmuEX0011598	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Clcn7	MmuEX0011599	chr17	25270559	25281375	25281443	25282514	+
Clcn7	MmuEX0011600	chr17	25284735	25285984	25286046	25286156	+
Clcn7	MmuEX0011601	chr17	25287551	25288061	25288177	25288649	+
Clcn7	MmuEX0011602	chr17	25290099	25290677	25290770	25292313	+
Clcn7	MmuEX0011603	chr17	25281443	25282514	25282585	25282713	+
Clcn7	MmuEX0011604	chr17	25296731	25297075	25297155	25297390	+
Clcn7	MmuEX0011605	chr17	25283824	25284350	25284415	25284655	+
Clcn7	MmuEX0011606	chr17	25288177	25288649	25288699	25289293	+
Clcn7	MmuEX0011607	chr17	25290770	25292313	25292482	25293746	+
Clcn7	MmuEX0011608	chr17	25292482	25293746	25293797	25294085	+
Clcn7	MmuEX0011609	chr17	25294212	25294434	25294519	25294817	+
Clcnkb	MmuEX0011612	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-

Cldn12	MmuEX0011615	chr5	5513251	5514232	5514376	5514628	-
Cldn12	MmuEX0011616	chr5	5508454	5511071	5511122	5513162	-
Cldn12	MmuEX0011617	chr5	5489595	5508233	5508454	5511071	-
Cldn15	MmuEX0011618	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Cldnd1	MmuEX0011621	chr16	58728197	58729329	58729336	58729551	+
Cldnd1	MmuEX0011622	chr16	58728197	58729293	58729336	58729551	+
Cldnd1	MmuEX0011623	chr16	58731525	58732694	58732831	58732952	+
Clec10a	MmuEX0011624	chr11	69981506	69982088	69982198	69982631	+
Clec10a	MmuEX0011625	chr11	69983579	69983662	69983768	69983920	+
Clec12a	MmuEX0011626	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Clec12a	MmuEX0011627	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Clec12a	MmuEX0011628	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Clec12a	MmuEX0011629	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Clec12b	MmuEX0011630	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Clec16a	MmuEX0011631	chr16	10694883	10720883	10720994	10721366	+
Clec16a	MmuEX0011632	chr16	10571692	10573393	10573516	10576595	+
Clec16a	MmuEX0011633	chr16	10571692	10573011	10573016	10573393	+
Clec16a	MmuEX0011634	chr16	10581135	10595895	10596078	10611096	+
Clec16a	MmuEX0011635	chr16	10630894	10635339	10635389	10644854	+
Clec16a	MmuEX0011636	chr16	10635389	10638880	10639008	10644854	+
Clec16a	MmuEX0011637	chr16	10639008	10644854	10644974	10688573	+
Clec16a	MmuEX0011638	chr16	10545735	10563230	10563363	10568475	+
Clec16a	MmuEX0011639	chr16	10691683	10694713	10694883	10731754	+
Clec16a	MmuEX0011640	chr16	10731912	10738485	10738608	10741707	+
Clec16a	MmuEX0011641	chr16	10576769	10577981	10578034	10581022	+
Clec16a	MmuEX0011642	chr16	10578034	10581022	10581135	10741707	+
Clec1a	MmuEX0011648	chr6	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Clec4a2	MmuEX0011656	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clec4a2	MmuEX0011657	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clec4a3	MmuEX0011658	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clec4b1	MmuEX0011661	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clec4n	MmuEX0011668	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clec4n	MmuEX0011670	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clec5a	MmuEX0011673	chr6	40529478	40531799	40531935	40535149	-
Clic5	MmuEX0011683	chr17	44374191	44378983	44379108	44385669	+
Clint1	MmuEX0011687	chr11	45665694	45697212	45697316	45697834	+
Clint1	MmuEX0011688	chr11	45708631	45715713	45715787	45719683	+
Clip1	MmuEX0011689	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011690	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011691	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011692	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011693	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011694	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011695	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011696	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011697	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011698	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-

Clip1	MmuEX0011699	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip1	MmuEX0011700	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Clip2	MmuEX0011701	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Clip2	MmuEX0011702	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Clip2	MmuEX0011703	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Clip2	MmuEX0011704	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Clip3	MmuEX0011705	chr7	31087283	31088389	31088532	31088627	+
Clip3	MmuEX0011706	chr7	31088532	31088627	31088750	31088931	+
Clip4	MmuEX0011707	chr17	72151276	72152896	72153014	72155845	+
Clip4	MmuEX0011708	chr17	72153014	72155845	72156081	72160187	+
Clip4	MmuEX0011709	chr17	72177990	72180545	72180679	72183524	+
Clip4	MmuEX0011710	chr17	72187098	72187382	72187393	72199232	+
Clip4	MmuEX0011711	chr17	72160322	72174030	72174170	72177032	+
Clip4	MmuEX0011712	chr17	72180679	72183524	72183647	72187034	+
Clip4	MmuEX0011713	chr17	72187098	72199232	72199304	72205568	+
Clk1	MmuEX0011714	chr1	58477055	58477927	58478152	58478618	-
Clk1	MmuEX0011715	chr1	58471528	58473857	58474023	58474111	-
Clk1	MmuEX0011716	chr1	58476577	58476965	58477055	58477927	-
Clk2	MmuEX0011717	chr3	88969028	88970604	88970736	88970957	+
Clk2	MmuEX0011718	chr3	88972845	88973540	88973624	88973971	+
Clk2	MmuEX0011719	chr3	88974331	88977299	88977465	88978119	+
Clk2	MmuEX0011720	chr3	88974331	88978119	88978213	88978867	+
Clk3	MmuEX0011721	chr9	57603175	57606091	57606157	57606434	-
Clk3	MmuEX0011722	chr9	57606157	57606434	57606530	57608631	-
Clk4	MmuEX0011723	chr11	51076771	51080673	51080833	51085302	+
Clk4	MmuEX0011724	chr11	51085524	51086580	51086670	51087062	+
Clk4	MmuEX0011725	chr11	51080833	51081667	51081733	51085302	+
Clk4	MmuEX0011726	chr11	51080833	51082271	51082348	51085302	+
Clk4	MmuEX0011727	chr11	51080833	51084039	51084097	51085302	+
ClN3	MmuEX0011734	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011735	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011736	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011737	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011738	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011739	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011740	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011741	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN3	MmuEX0011742	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
ClN5	MmuEX0011743	chr14	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
ClN5	MmuEX0011744	chr14	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
ClN6	MmuEX0011745	chr9	62686761	62687708	62687751	62688292	+
ClN6	MmuEX0011746	chr9	62692491	62693761	62693859	62694773	+
ClN6	MmuEX0011747	chr9	62693859	62694773	62694961	62695392	+
ClN6	MmuEX0011748	chr9	62686761	62688292	62688398	62692377	+
ClN6	MmuEX0011749	chr9	62694961	62695392	62695447	62696916	+
ClN8	MmuEX0011750	chr8	14889118	14890492	14890623	14894572	+
Clock	MmuEX0011754	chr5	76677487	76683399	76683488	76691700	-

Clock	MmuEX0011755	chr5	76671042	76671807	76671913	76672104	-
Clock	MmuEX0011756	chr5	76669971	76670895	76671042	76671807	-
Clock	MmuEX0011757	chr5	76666187	76669896	76669971	76670895	-
Clock	MmuEX0011758	chr5	76703068	76715891	76716059	76732449	-
Clock	MmuEX0011759	chr5	76656252	76658383	76658588	76659190	-
Clock	MmuEX0011760	chr5	76695914	76697798	76697872	76702984	-
Clock	MmuEX0011761	chr5	76660573	76664791	76664880	76665307	-
Clock	MmuEX0011762	chr5	76683488	76691700	76691791	76694816	-
Clock	MmuEX0011763	chr5	76694964	76695382	76695441	76695825	-
Clock	MmuEX0011764	chr5	76695914	76702984	76703068	76732449	-
Clp1	MmuEX0011765	chr2	84564374	84565686	84566313	84567320	-
Clpb	MmuEX0011766	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Clpb	MmuEX0011767	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Clpb	MmuEX0011768	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Clpb	MmuEX0011769	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Clpb	MmuEX0011770	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Clpp	MmuEX0011771	chr17	57130813	57132249	57132436	57132871	+
Clptm1	MmuEX0011772	chr7	20223062	20223466	20223586	20224281	-
Clptm1	MmuEX0011773	chr7	20241179	20242032	20242169	20247494	-
Clptm1	MmuEX0011774	chr7	20241179	20247494	20247691	20250283	-
Clptm1l	MmuEX0011775	chr13	73742478	73743670	73743859	73745168	+
Clptm1l	MmuEX0011776	chr13	73752120	73752621	73752671	73753411	+
Clptm1l	MmuEX0011777	chr13	73755211	73755850	73755965	73757481	+
Clptm1l	MmuEX0011778	chr13	73752671	73753411	73753493	73754263	+
Clpx	MmuEX0011779	chr9	65142372	65147708	65147871	65149655	+
Clpx	MmuEX0011780	chr9	65166558	65168626	65168790	65170351	+
Clpx	MmuEX0011781	chr9	65156429	65157959	65158118	65159905	+
Clpx	MmuEX0011782	chr9	65158118	65159905	65159946	65164451	+
Clpx	MmuEX0011783	chr9	65168790	65170351	65170650	65172014	+
Clstn1	MmuEX0011790	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Clstn1	MmuEX0011791	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Clta	MmuEX0011796	chr4	44038432	44043087	44043140	44045273	+
Clta	MmuEX0011797	chr4	44043140	44044272	44044307	44045273	+
Cltb	MmuEX0011798	chr13	54696588	54698387	54698440	54700083	-
Cltc	MmuEX0011799	chr11	86525491	86526083	86526208	86531400	-
Cltc	MmuEX0011800	chr11	86517276	86517373	86517504	86517582	-
Cltc	MmuEX0011801	chr11	86509192	86509678	86509715	86510767	-
Cltc	MmuEX0011802	chr11	86544333	86546007	86546168	86547078	-
Cltc	MmuEX0011803	chr11	86544333	86544545	86544562	86546007	-
Cltc	MmuEX0011804	chr11	86543886	86544220	86544333	86546007	-
Cltc	MmuEX0011805	chr11	86547346	86548688	86548690	86550573	-
Cltc	MmuEX0011806	chr11	86526208	86526927	86526938	86531400	-
Cltc	MmuEX0011807	chr11	86510842	86514563	86514583	86515711	-
Cluap1	MmuEX0011808	chr16	3917921	3919215	3919318	3919481	+
Cluap1	MmuEX0011809	chr16	3933814	3937286	3937363	3937559	+
Cluap1	MmuEX0011810	chr16	3937614	3937854	3937910	3940768	+
Cluap1	MmuEX0011811	chr16	3909525	3911150	3911274	3911451	+

Cluap1	MmuEX0011812	chr16	3911562	3913285	3913369	3915423	+
Clybl	MmuEX0011817	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clybl	MmuEX0011818	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clybl	MmuEX0011819	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clybl	MmuEX0011820	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clybl	MmuEX0011821	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clybl	MmuEX0011822	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Clybl	MmuEX0011823	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Cmas	MmuEX0011829	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Cmas	MmuEX0011830	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Cmas	MmuEX0011831	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Cmas	MmuEX0011832	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Cmbl	MmuEX0011833	chr15	31515192	31517923	31518014	31519439	+
Cmbl	MmuEX0011834	chr15	31513827	31515050	31515192	31517923	+
Cmc1	MmuEX0011835	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cmc1	MmuEX0011836	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cmc1	MmuEX0011837	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cmc1	MmuEX0011838	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cmc1	MmuEX0011839	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cmklr1	MmuEX0011840	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Cmpk2	MmuEX0011842	chr12	27156385	27159127	27159219	27161871	+
Cmpk2	MmuEX0011843	chr12	27156385	27158861	27159062	27161871	+
Cmtm3	MmuEX0011846	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cmtm4	MmuEX0011847	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cmtm4	MmuEX0011848	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cmtm6	MmuEX0011850	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Cmtm7	MmuEX0011851	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cmya5	MmuEX0011852	chr13	93844426	93851139	93851161	93853106	-
Cnbp	MmuEX0011856	chr6	87795787	87799009	87799103	87800898	-
Cndp2	MmuEX0011857	chr18	84846799	84848100	84848262	84850327	-
Cnih	MmuEX0011864	chr14	47398707	47399788	47399900	47403787	-
Cnih	MmuEX0011865	chr14	47399900	47403501	47403548	47403787	-
Cnih4	MmuEX0011870	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Cnih4	MmuEX0011871	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Cnksr1	MmuEX0011872	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cnksr1	MmuEX0011873	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cnksr1	MmuEX0011874	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cnksr1	MmuEX0011875	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Cnksr3	MmuEX0011879	chr10	3134909	3136627	3136688	3185734	+
Cnksr3	MmuEX0011880	chr10	3212019	3217394	3217518	3219698	+
Cnksr3	MmuEX0011881	chr10	3134909	3185734	3185897	3192056	+
Cnksr3	MmuEX0011882	chr10	3134909	3192056	3192258	3203539	+
Cnksr3	MmuEX0011883	chr10	3134909	3193590	3193677	3203539	+
Cnm2	MmuEX0011887	chr19	46931463	46931657	46931721	46933433	+
Cnm2	MmuEX0011888	chr19	46943121	46946146	46946211	46951698	+
Cnm3	MmuEX0011889	chr1	36569998	36575797	36575940	36576923	+
Cnm3	MmuEX0011890	chr1	36577072	36577364	36577533	36577664	+

Cnm3	MmuEX0011891	chr1	36578684	36580879	36580977	36582011	+
Cnot1	MmuEX0011893	chr8	98299286	98312530	98312804	98331233	-
Cnot1	MmuEX0011894	chr8	98293770	98294442	98294610	98295871	-
Cnot1	MmuEX0011895	chr8	98293511	98293644	98293770	98294442	-
Cnot1	MmuEX0011896	chr8	98284150	98284403	98284525	98285223	-
Cnot1	MmuEX0011897	chr8	98280193	98281242	98281392	98283999	-
Cnot1	MmuEX0011898	chr8	98269591	98270873	98271052	98272159	-
Cnot1	MmuEX0011899	chr8	98297386	98297471	98297539	98298530	-
Cnot1	MmuEX0011900	chr8	98296074	98297332	98297386	98297471	-
Cnot1	MmuEX0011901	chr8	98258048	98258141	98258249	98259586	-
Cnot10	MmuEX0011902	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011903	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011904	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011905	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011906	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011907	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011908	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011909	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011910	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011911	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot10	MmuEX0011912	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cnot2	MmuEX0011913	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011914	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011915	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011916	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011917	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011918	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011919	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011920	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011921	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot2	MmuEX0011922	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Cnot3	MmuEX0011923	chr7	3597186	3597595	3597667	3602400	+
Cnot3	MmuEX0011924	chr7	3597186	3602583	3602650	3602870	+
Cnot3	MmuEX0011925	chr7	3603538	3603635	3603730	3604802	+
Cnot3	MmuEX0011926	chr7	3605246	3605745	3605801	3607173	+
Cnot4	MmuEX0011927	chr6	35030226	35035690	35035799	35083502	-
Cnot4	MmuEX0011928	chr6	35015022	35017654	35017812	35018588	-
Cnot4	MmuEX0011929	chr6	35003091	35006211	35006268	35014898	-
Cnot4	MmuEX0011930	chr6	34973432	34974128	34974340	35001062	-
Cnot4	MmuEX0011931	chr6	35001559	35002842	35003091	35006211	-
Cnot4	MmuEX0011932	chr6	35020303	35029961	35030226	35083502	-
Cnot4	MmuEX0011933	chr6	35020303	35027981	35028178	35083502	-
Cnot4	MmuEX0011934	chr6	35015022	35020217	35020303	35083502	-
Cnot4	MmuEX0011935	chr6	35015022	35019370	35019471	35083502	-
Cnot4	MmuEX0011936	chr6	35015022	35018588	35018713	35083502	-
Cnot6	MmuEX0011937	chr11	49495695	49496627	49496784	49498589	-
Cnot6	MmuEX0011938	chr11	49491004	49493423	49493653	49494643	-

Cnot6	MmuEX0011939	chr11	49498854	49500349	49500434	49502667	-
Cnot6l	MmuEX0011940	chr5	96535324	96544801	96544838	96557962	-
Cnot6l	MmuEX0011941	chr5	96527332	96535235	96535324	96557962	-
Cnot6l	MmuEX0011942	chr5	96506411	96508952	96509154	96511889	-
Cnot6l	MmuEX0011943	chr5	96520757	96523180	96523337	96527264	-
Cnot6l	MmuEX0011944	chr5	96509154	96511889	96512116	96515161	-
Cnot7	MmuEX0011945	chr8	41586267	41586546	41586719	41587643	-
Cnot7	MmuEX0011946	chr8	41586267	41587643	41587681	41592809	-
Cnot7	MmuEX0011947	chr8	41581269	41584649	41584793	41586106	-
Cnot7	MmuEX0011948	chr8	41579469	41581159	41581269	41584649	-
Cnot8	MmuEX0011949	chr11	57917710	57923058	57923268	57924762	+
Cnpy2	MmuEX0011951	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Cnpy3	MmuEX0011952	chr17	46880231	46884370	46884493	46888922	-
Cnpy3	MmuEX0011953	chr17	46880231	46880334	46880391	46884370	-
Cnpy3	MmuEX0011954	chr17	46874798	46880135	46880231	46884370	-
Cnst	MmuEX0011959	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cnst	MmuEX0011960	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Cntln	MmuEX0011970	chr4	84593546	84602180	84603083	84617035	+
Cntln	MmuEX0011971	chr4	84761354	84764346	84764423	84776546	+
Cntln	MmuEX0011977	chr4	84642484	84650827	84650948	84652309	+
Cntln	MmuEX0011978	chr4	84742751	84744253	84744379	84746162	+
Cntrob	MmuEX0012030	chr11	69119131	69121445	69121703	69122850	-
Cntrob	MmuEX0012031	chr11	69134476	69134858	69134921	69135351	-
Cntrob	MmuEX0012033	chr11	69128928	69132448	69132546	69132855	-
Cntrob	MmuEX0012034	chr11	69113817	69116354	69116468	69116596	-
Cntrob	MmuEX0012035	chr11	69116766	69117760	69117823	69118989	-
Cntrob	MmuEX0012036	chr11	69133476	69134320	69134476	69134858	-
Cntrob	MmuEX0012037	chr11	69134921	69135351	69135435	69136192	-
Coasy	MmuEX0012038	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Coasy	MmuEX0012039	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Coasy	MmuEX0012040	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Cobl	MmuEX0012041	chr11	12167147	12206961	12207131	12209617	-
Cobl	MmuEX0012042	chr11	12243920	12265108	12265182	12269597	-
Cobl	MmuEX0012043	chr11	12269694	12273332	12273376	12275813	-
Cobl1	MmuEX0012045	chr2	64943885	64945069	64945143	64945815	-
Cobl1	MmuEX0012046	chr2	64927614	64928679	64928797	64933745	-
Cobl1	MmuEX0012047	chr2	64974603	64989036	64989224	65076420	-
Cobl1	MmuEX0012048	chr2	64941451	64943772	64943885	64945069	-
Cobl1	MmuEX0012049	chr2	64964362	64970553	64970591	64971636	-
Cobl1	MmuEX0012050	chr2	64971864	64974402	64974603	64989036	-
Cobl1	MmuEX0012051	chr2	64989224	65031083	65031170	65076420	-
Cobra1	MmuEX0012052	chr2	25061865	25065374	25065604	25065958	-
Cobra1	MmuEX0012053	chr2	25058767	25058868	25058932	25059407	-
Cobra1	MmuEX0012054	chr2	25059502	25060647	25060759	25061680	-
Cobra1	MmuEX0012055	chr2	25059502	25059718	25059820	25061680	-
Cog1	MmuEX0012062	chr11	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Cog1	MmuEX0012063	chr11	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+

Cog1	MmuEX0012064	chr11	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Cog2	MmuEX0012065	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Cog2	MmuEX0012066	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Cog2	MmuEX0012067	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Cog3	MmuEX0012068	chr14	76119619	76121909	76121998	76124518	-
Cog3	MmuEX0012069	chr14	76116809	76116916	76117004	76119499	-
Cog3	MmuEX0012070	chr14	76133748	76137770	76137850	76139311	-
Cog3	MmuEX0012071	chr14	76117004	76119499	76119619	76121909	-
Cog3	MmuEX0012072	chr14	76121998	76124518	76124642	76127515	-
Cog3	MmuEX0012073	chr14	76132844	76133705	76133748	76137770	-
Cog3	MmuEX0012074	chr14	76139436	76140343	76140435	76141488	-
Cog4	MmuEX0012076	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Cog4	MmuEX0012077	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Cog4	MmuEX0012078	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Cog4	MmuEX0012079	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Cog4	MmuEX0012080	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Cog4	MmuEX0012081	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Cog5	MmuEX0012082	chr12	32518251	32521660	32521686	32522060	+
Cog5	MmuEX0012083	chr12	32579073	32585762	32585838	32604516	+
Cog5	MmuEX0012084	chr12	32605498	32606574	32606625	32610510	+
Cog5	MmuEX0012085	chr12	32605498	32610510	32610656	32622042	+
Cog5	MmuEX0012086	chr12	32339848	32345582	32345721	32350330	+
Cog5	MmuEX0012087	chr12	32585838	32604516	32604642	32610510	+
Cog5	MmuEX0012088	chr12	32604642	32605419	32605498	32610510	+
Cog5	MmuEX0012089	chr12	32354689	32355181	32355250	32370518	+
Cog5	MmuEX0012090	chr12	32355250	32370518	32370638	32445712	+
Cog5	MmuEX0012091	chr12	32524719	32554284	32554394	32571070	+
Cog5	MmuEX0012092	chr12	32524719	32554937	32554999	32571070	+
Cog5	MmuEX0012093	chr12	32505071	32518047	32518251	32524620	+
Cog5	MmuEX0012094	chr12	32518251	32522060	32522221	32524620	+
Cog6	MmuEX0012095	chr3	52817808	52818723	52818795	52819391	-
Cog6	MmuEX0012096	chr3	52806259	52806335	52806463	52811168	-
Cog6	MmuEX0012097	chr3	52800047	52802179	52802270	52804403	-
Cog6	MmuEX0012098	chr3	52796844	52797362	52797493	52799930	-
Cog6	MmuEX0012099	chr3	52806463	52811168	52811261	52812975	-
Cog7	MmuEX0012100	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012101	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012102	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012103	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012104	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012105	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012106	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012107	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012108	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog7	MmuEX0012109	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Cog8	MmuEX0012110	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Cog8	MmuEX0012111	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-

Coil	MmuEX0012112	chr11	88835516	88842383	88843481	88843603	+
Coil	MmuEX0012113	chr11	88835516	88843603	88843689	88843917	+
Coil	MmuEX0012114	chr11	88843964	88846331	88846400	88851982	+
Coil	MmuEX0012115	chr11	88843964	88849293	88849381	88851982	+
Col11a2	MmuEX0012125	chr17	34197892	34198164	34198217	34198409	+
Col15a1	MmuEX0012152	chr4	47275940	47281935	47282027	47283124	+
Col15a1	MmuEX0012153	chr4	47323477	47323646	47323761	47324949	+
Col15a1	MmuEX0012154	chr4	47292826	47293021	47293086	47293724	+
Col16a1	MmuEX0012162	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Col16a1	MmuEX0012163	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Col16a1	MmuEX0012164	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Col16a1	MmuEX0012167	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Col16a1	MmuEX0012168	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Col18a1	MmuEX0012173	chr10	76539966	76540260	76540345	76540429	-
Col18a1	MmuEX0012174	chr10	76538919	76539904	76539966	76540429	-
Col18a1	MmuEX0012176	chr10	76518572	76520114	76520146	76521444	-
Col1a1	MmuEX0012181	chr11	94808801	94808932	94809093	94809197	+
Col1a1	MmuEX0012182	chr11	94810777	94811034	94811087	94811411	+
Col1a1	MmuEX0012183	chr11	94805145	94805669	94805722	94808388	+
Col1a1	MmuEX0012184	chr11	94805722	94805912	94805965	94806066	+
Col1a1	MmuEX0012185	chr11	94805965	94806066	94806119	94808388	+
Col1a1	MmuEX0012186	chr11	94806119	94806228	94806281	94808388	+
Col1a1	MmuEX0012187	chr11	94806912	94807125	94807232	94807589	+
Col1a1	MmuEX0012188	chr11	94807232	94807589	94807696	94808090	+
Col1a1	MmuEX0012189	chr11	94807696	94807888	94807941	94808090	+
Col1a1	MmuEX0012190	chr11	94807941	94808090	94808143	94808388	+
Col1a1	MmuEX0012191	chr11	94803428	94803518	94803562	94805047	+
Col1a1	MmuEX0012192	chr11	94803562	94803656	94803754	94807589	+
Col1a1	MmuEX0012193	chr11	94803754	94803874	94803927	94807125	+
Col1a1	MmuEX0012194	chr11	94804957	94805047	94805145	94808388	+
Col1a2	MmuEX0012195	chr6	4470649	4470772	4470879	4471231	+
Col1a2	MmuEX0012196	chr6	4473647	4474117	4474170	4474502	+
Col1a2	MmuEX0012197	chr6	4478413	4479068	4479121	4480172	+
Col1a2	MmuEX0012198	chr6	4479121	4480172	4480225	4480957	+
Col1a2	MmuEX0012199	chr6	4481157	4481238	4481345	4481895	+
Col1a2	MmuEX0012200	chr6	4481345	4481895	4481948	4482744	+
Col1a2	MmuEX0012201	chr6	4485884	4485976	4486083	4486208	+
Col1a2	MmuEX0012202	chr6	4455909	4458335	4458345	4458940	+
Col20a1	MmuEX0012216	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Col27a1	MmuEX0012258	chr4	62980591	62982464	62982571	62984482	+
Col27a1	MmuEX0012261	chr4	62989737	62990832	62990941	62992316	+
Col27a1	MmuEX0012262	chr4	62952610	62954235	62954288	62954504	+
Col27a1	MmuEX0012263	chr4	62963455	62964068	62964121	62966219	+
Col27a1	MmuEX0012264	chr4	62974513	62974668	62974775	62975707	+
Col27a1	MmuEX0012265	chr4	62984535	62984953	62985015	62985428	+
Col3a1	MmuEX0012270	chr1	45378837	45379251	45379364	45380568	+
Col3a1	MmuEX0012271	chr1	45390506	45390852	45390905	45391059	+

Col3a1	MmuEX0012272	chr1	45393549	45394086	45394184	45394271	+
Col3a1	MmuEX0012273	chr1	45394856	45395419	45395472	45395555	+
Col3a1	MmuEX0012274	chr1	45397153	45397475	45397528	45397711	+
Col3a1	MmuEX0012275	chr1	45380642	45382205	45382258	45382650	+
Col4a1	MmuEX0012276	chr8	11237886	11238998	11239051	11239134	-
Col4a1	MmuEX0012277	chr8	11213689	11214652	11214702	11216701	-
Col4a1	MmuEX0012278	chr8	11245084	11245211	11245264	11245737	-
Col4a1	MmuEX0012279	chr8	11203008	11204536	11204552	11206226	-
Col4a2	MmuEX0012280	chr8	11427063	11427553	11427660	11429307	+
Col4a3bp	MmuEX0012282	chr13	97313214	97319152	97319286	97341866	+
Col4a3bp	MmuEX0012283	chr13	97373111	97379729	97379886	97382216	+
Col4a3bp	MmuEX0012284	chr13	97404938	97405705	97405841	97407073	+
Col4a3bp	MmuEX0012285	chr13	97319286	97341866	97341982	97368160	+
Col4a3bp	MmuEX0012286	chr13	97341982	97354790	97355037	97368160	+
Col4a3bp	MmuEX0012287	chr13	97386504	97386949	97387026	97394650	+
Col4a3bp	MmuEX0012288	chr13	97399100	97400716	97400786	97404028	+
Col4a3bp	MmuEX0012289	chr13	97400786	97404028	97404156	97404809	+
Col4a5	MmuEX0012294	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col4a5	MmuEX0012295	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col4a5	MmuEX0012296	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col4a5	MmuEX0012297	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col4a5	MmuEX0012298	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col4a5	MmuEX0012300	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col4a5	MmuEX0012301	chrX	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Col5a1	MmuEX0012309	chr2	27822503	27823659	27823712	27825265	+
Col5a1	MmuEX0012310	chr2	27823712	27825265	27825318	27826967	+
Col5a1	MmuEX0012311	chr2	27828721	27829388	27829432	27829964	+
Col5a1	MmuEX0012312	chr2	27829432	27829964	27830017	27830213	+
Col5a1	MmuEX0012313	chr2	27863375	27864628	27864681	27865544	+
Col5a1	MmuEX0012314	chr2	27865797	27866605	27866658	27866762	+
Col5a1	MmuEX0012315	chr2	27866869	27868195	27868248	27868980	+
Col5a1	MmuEX0012316	chr2	27881225	27884487	27884555	27888111	+
Col5a1	MmuEX0012317	chr2	27884555	27888111	27888344	27892390	+
Col5a2	MmuEX0012318	chr1	45478119	45478789	45478842	45479231	-
Col5a2	MmuEX0012319	chr1	45479284	45479548	45479589	45480527	-
Col5a3	MmuEX0012320	chr9	20605565	20605660	20605716	20606211	-
Col5a3	MmuEX0012321	chr9	20603533	20603704	20603757	20603853	-
Col5a3	MmuEX0012322	chr9	20592019	20592995	20593048	20597089	-
Col5a3	MmuEX0012323	chr9	20583162	20583245	20583298	20583460	-
Col5a3	MmuEX0012324	chr9	20580810	20581436	20581543	20582921	-
Col5a3	MmuEX0012325	chr9	20580331	20580536	20580589	20580757	-
Col5a3	MmuEX0012326	chr9	20579058	20579475	20579528	20579677	-
Col5a3	MmuEX0012327	chr9	20576947	20577529	20577582	20578338	-
Col6a1	MmuEX0012328	chr10	76178078	76179006	76179068	76179464	-
Col6a1	MmuEX0012329	chr10	76172926	76173091	76173120	76173707	-
Col6a2	MmuEX0012330	chr10	76059556	76062320	76062638	76066074	-
Col6a3	MmuEX0012331	chr1	92693149	92694629	92694774	92696573	-

Col6a3	MmuEX0012332	chr1	92669625	92670012	92670275	92672106	-
Col6a3	MmuEX0012333	chr1	92704653	92706703	92707305	92707836	-
Col6a3	MmuEX0012335	chr1	92713112	92718379	92718981	92726720	-
Col6a3	MmuEX0012336	chr1	92708408	92712528	92713112	92726720	-
Col6a3	MmuEX0012337	chr1	92708408	92709792	92710391	92712528	-
Col8a1	MmuEX0012350	chr16	57632754	57678450	57678568	57754753	-
Col8a1	MmuEX0012351	chr16	57628930	57632424	57632754	57678450	-
Colec11	MmuEX0012362	chr12	29297799	29302271	29302426	29308099	-
Colec11	MmuEX0012363	chr12	29283980	29297728	29297799	29302271	-
Colec11	MmuEX0012364	chr12	29280878	29283909	29283980	29297728	-
Colec12	MmuEX0012365	chr18	9707757	9711426	9711597	9720919	+
Colec12	MmuEX0012366	chr18	9707757	9720919	9720969	9840237	+
Commd1	MmuEX0012368	chr11	22800057	22856411	22856692	22882079	-
Commd1	MmuEX0012369	chr11	22800057	22856153	22856232	22856411	-
Commd10	MmuEX0012370	chr18	47120160	47122730	47122848	47123314	+
Commd10	MmuEX0012371	chr18	47127549	47150133	47150243	47245906	+
Commd10	MmuEX0012372	chr18	47127549	47147963	47148292	47150133	+
Commd10	MmuEX0012373	chr18	47118582	47120070	47120160	47150133	+
Commd10	MmuEX0012374	chr18	47120160	47123314	47123424	47150133	+
Commd10	MmuEX0012375	chr18	47123424	47127394	47127549	47150133	+
Commd2	MmuEX0012376	chr3	57454137	57454613	57454695	57455344	-
Commd3	MmuEX0012377	chr2	18595633	18595752	18595815	18595908	+
Commd3	MmuEX0012378	chr2	18595815	18595908	18595942	18596283	+
Commd4	MmuEX0012379	chr9	57004362	57004874	57004945	57006079	-
Commd4	MmuEX0012380	chr9	57004362	57004582	57004647	57004874	-
Commd6	MmuEX0012381	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Commd7	MmuEX0012382	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Commd7	MmuEX0012383	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Commd7	MmuEX0012384	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Commd8	MmuEX0012385	chr5	72556745	72556923	72557042	72559318	-
Commd8	MmuEX0012386	chr5	72554113	72556590	72556745	72559202	-
Commd8	MmuEX0012387	chr5	72554113	72555994	72556093	72556590	-
Commd9	MmuEX0012388	chr2	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Commd9	MmuEX0012389	chr2	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Comt	MmuEX0012393	chr16	18408133	18410776	18410907	18411220	-
Comt	MmuEX0012394	chr16	18412050	18424397	18424453	18426449	-
Comt	MmuEX0012395	chr16	18410907	18411783	18412050	18424397	-
Comt	MmuEX0012396	chr16	18410907	18411220	18411413	18411783	-
Comtd1	MmuEX0012397	chr14	22666649	22666836	22666969	22667095	-
Comtd1	MmuEX0012398	chr14	22666969	22667095	22667149	22667224	-
Comtd1	MmuEX0012399	chr14	22667537	22667763	22667890	22668001	-
Comtd1	MmuEX0012400	chr14	22667342	22667432	22667537	22667763	-
Copa	MmuEX0012401	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Copa	MmuEX0012402	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Copb1	MmuEX0012403	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Copb2	MmuEX0012404	chr9	98480783	98481554	98481697	98482691	+
Copb2	MmuEX0012405	chr9	98487824	98487971	98488039	98488180	+

Cope	MmuEX0012406	chr8	72826831	72828533	72828595	72829534	+
Cope	MmuEX0012407	chr8	72830550	72831849	72831902	72832394	+
Cope	MmuEX0012408	chr8	72828595	72829534	72829634	72830398	+
Copg	MmuEX0012409	chr6	87838066	87839065	87839117	87839651	+
Copg	MmuEX0012410	chr6	87843947	87844035	87844168	87845688	+
Copg2	MmuEX0012411	chr6	30844927	30845542	30845594	30846661	-
Copg2	MmuEX0012412	chr6	30766174	30766743	30766838	30774368	-
Copg2	MmuEX0012413	chr6	30761718	30762744	30762847	30763711	-
Copg2	MmuEX0012414	chr6	30835659	30840601	30840672	30844847	-
Copg2	MmuEX0012415	chr6	30813610	30835580	30835659	30840601	-
Copg2	MmuEX0012416	chr6	30776271	30813535	30813610	30835580	-
Copg2	MmuEX0012417	chr6	30776271	30811368	30811460	30835580	-
Copg2	MmuEX0012418	chr6	30776271	30809888	30809974	30835580	-
Copg2	MmuEX0012419	chr6	30776271	30808738	30808895	30835580	-
Copg2	MmuEX0012420	chr6	30845594	30846064	30846241	30846367	-
Cops2	MmuEX0012421	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Cops2	MmuEX0012422	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Cops2	MmuEX0012423	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Cops2	MmuEX0012424	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Cops3	MmuEX0012425	chr11	59646646	59650393	59650522	59653172	-
Cops3	MmuEX0012426	chr11	59634888	59637549	59637596	59637777	-
Cops3	MmuEX0012427	chr11	59634888	59637251	59637326	59637549	-
Cops3	MmuEX0012428	chr11	59646646	59648866	59648946	59650369	-
Cops3	MmuEX0012429	chr11	59641527	59643649	59643741	59646386	-
Cops4	MmuEX0012430	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Cops4	MmuEX0012431	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Cops4	MmuEX0012432	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Cops4	MmuEX0012433	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Cops6	MmuEX0012434	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Cops7a	MmuEX0012435	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cops7a	MmuEX0012436	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cops7b	MmuEX0012437	chr1	88495780	88497011	88497043	88497658	+
Cops7b	MmuEX0012438	chr1	88479671	88483591	88483810	88485739	+
Cops7b	MmuEX0012439	chr1	88483810	88483922	88484042	88485739	+
Cops7b	MmuEX0012440	chr1	88479671	88485739	88485916	88488866	+
Cops7b	MmuEX0012441	chr1	88479671	88488866	88488941	88493326	+
Cops7b	MmuEX0012442	chr1	88488941	88493326	88493414	88495578	+
Copz1	MmuEX0012443	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Copz2	MmuEX0012444	chr11	96712055	96714749	96714830	96715372	+
Copz2	MmuEX0012445	chr11	96714830	96715372	96715463	96715898	+
Copz2	MmuEX0012446	chr11	96712055	96713425	96713468	96714749	+
Coq10a	MmuEX0012447	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Coq10a	MmuEX0012448	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Coq10b	MmuEX0012449	chr1	55109834	55118119	55118268	55121025	+
Coq10b	MmuEX0012450	chr1	55118268	55121025	55121217	55124341	+
Coq2	MmuEX0012451	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Coq2	MmuEX0012452	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-

Coq2	MmuEX0012453	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Coq3	MmuEX0012454	chr4	21826304	21827411	21827653	21835630	+
Coq5	MmuEX0012455	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Coq6	MmuEX0012456	chr12	85712508	85713089	85713291	85713369	+
Coq6	MmuEX0012457	chr12	85709659	85711206	85711336	85711874	+
Coq6	MmuEX0012458	chr12	85711981	85712058	85712120	85712354	+
Coq6	MmuEX0012459	chr12	85707969	85709093	85709151	85709536	+
Coq6	MmuEX0012460	chr12	85707969	85709536	85709659	85711206	+
Coq7	MmuEX0012461	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Coq7	MmuEX0012462	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Coq9	MmuEX0012463	chr8	97377170	97377505	97377558	97378014	+
Coq9	MmuEX0012464	chr8	97368812	97374025	97374167	97374415	+
Coq9	MmuEX0012465	chr8	97374539	97375751	97375855	97377015	+
Corin	MmuEX0012466	chr5	72731225	72734125	72734356	72745109	-
Corin	MmuEX0012467	chr5	72722160	72723907	72724020	72730200	-
Corin	MmuEX0012468	chr5	72826681	72845545	72845745	72863088	-
Corin	MmuEX0012469	chr5	72751997	72763337	72763450	72813264	-
Coro1a	MmuEX0012470	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Coro1b	MmuEX0012471	chr19	4149985	4150090	4150219	4150440	+
Coro1b	MmuEX0012472	chr19	4152579	4153227	4153490	4153597	+
Coro1c	MmuEX0012473	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Coro2b	MmuEX0012476	chr9	62274038	62274338	62274450	62275743	-
Coro2b	MmuEX0012477	chr9	62273737	62273948	62274038	62274338	-
Coro2b	MmuEX0012478	chr9	62279273	62280164	62280313	62302336	-
Coro2b	MmuEX0012479	chr9	62280313	62302336	62302452	62337048	-
Coro6	MmuEX0012480	chr11	77280845	77281252	77281371	77281768	+
Coro6	MmuEX0012481	chr11	77276256	77277158	77277225	77277354	+
Coro6	MmuEX0012482	chr11	77277612	77279168	77279290	77279697	+
Coro7	MmuEX0012483	chr16	4630277	4630364	4630505	4631449	-
Coro7	MmuEX0012484	chr16	4629172	4630188	4630277	4630364	-
Coro7	MmuEX0012485	chr16	4627696	4628184	4628275	4628676	-
Coro7	MmuEX0012486	chr16	4632129	4632219	4632305	4632413	-
Coro7	MmuEX0012487	chr16	4634430	4634589	4634681	4634762	-
Coro7	MmuEX0012488	chr16	4670041	4670502	4670572	4675763	-
Coro7	MmuEX0012489	chr16	4628275	4628676	4628811	4629056	-
Coro7	MmuEX0012490	chr16	4635460	4646661	4652761	4655010	-
Coro7	MmuEX0012491	chr16	4635460	4638670	4638811	4655010	-
Coro7	MmuEX0012492	chr16	4635042	4635384	4635438	4655010	-
Coro7	MmuEX0012493	chr16	4634907	4634985	4635042	4655010	-
Coro7	MmuEX0012494	chr16	4633430	4633714	4633837	4634299	-
Coro7	MmuEX0012495	chr16	4632521	4633255	4633396	4633714	-
Cox10	MmuEX0012496	chr11	63778030	63789746	63789978	63807388	-
Cox15	MmuEX0012497	chr19	43818274	43821226	43821412	43823280	-
Cox17	MmuEX0012498	chr16	38349415	38349763	38349817	38352712	+
Cox18	MmuEX0012499	chr5	90648548	90651256	90651356	90652641	-
Cox18	MmuEX0012500	chr5	90648061	90648385	90648548	90651256	-
Cox18	MmuEX0012501	chr5	90646649	90647937	90648058	90648385	-

Cox19	MmuEX0012502	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Cox19	MmuEX0012503	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Cox19	MmuEX0012504	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Cox4i2	MmuEX0012507	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Cox4nb	MmuEX0012508	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Cox4nb	MmuEX0012509	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Cox4nb	MmuEX0012510	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Cox4nb	MmuEX0012511	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Cox4nb	MmuEX0012512	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Cox6b1	MmuEX0012513	chr7	31408534	31409519	31409632	31411070	-
Cox6b1	MmuEX0012514	chr7	31402181	31408434	31408534	31409519	-
Cox6b2	MmuEX0012515	chr7	4703763	4704326	4704451	4704555	-
Cox6b2	MmuEX0012516	chr7	4703577	4703663	4703763	4704326	-
Cox7a2l	MmuEX0012517	chr17	83902077	83903271	83903339	83903440	-
Cp	MmuEX0012519	chr3	19882102	19883393	19883521	19885560	+
Cp	MmuEX0012520	chr3	19888072	19889053	19889218	19892509	+
Cp	MmuEX0012521	chr3	19857429	19864280	19864527	19866239	+
Cp	MmuEX0012522	chr3	19885666	19887359	19887575	19887933	+
Cpa3	MmuEX0012525	chr3	20115891	20121986	20122188	20123131	-
Cpd	MmuEX0012530	chr11	76609138	76611083	76611406	76613291	-
Cpd	MmuEX0012531	chr11	76604592	76605366	76605497	76606238	-
Cpd	MmuEX0012532	chr11	76622379	76625197	76625388	76625884	-
Cpeb1	MmuEX0012533	chr7	88517086	88581089	88581263	88600098	-
Cpeb1	MmuEX0012534	chr7	88494758	88495231	88495325	88496630	-
Cpeb1	MmuEX0012535	chr7	88506695	88516898	88517086	88581089	-
Cpeb1	MmuEX0012536	chr7	88504867	88506472	88506695	88516898	-
Cpeb2	MmuEX0012537	chr5	43653023	43660108	43660131	43668670	+
Cpeb2	MmuEX0012538	chr5	43628836	43629566	43629655	43635825	+
Cpeb3	MmuEX0012539	chr19	37119193	37128750	37128864	37142663	-
Cpeb3	MmuEX0012540	chr19	37163077	37180281	37180304	37200822	-
Cpeb3	MmuEX0012541	chr19	37200878	37213621	37213711	37248457	-
Cpeb4	MmuEX0012542	chr11	31789939	31808825	31808875	31820409	+
Cpeb4	MmuEX0012543	chr11	31789939	31818801	31818824	31820409	+
Cpne1	MmuEX0012547	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Cpne2	MmuEX0012548	chr8	97079958	97081320	97081379	97082025	+
Cpne2	MmuEX0012549	chr8	97075714	97077290	97077361	97078575	+
Cpne2	MmuEX0012550	chr8	97078919	97079409	97079507	97079872	+
Cpne2	MmuEX0012551	chr8	97084063	97086638	97086689	97087857	+
Cpne3	MmuEX0012552	chr4	19463772	19467888	19467977	19470401	-
Cpne3	MmuEX0012553	chr4	19463772	19466299	19466327	19467888	-
Cpne8	MmuEX0012569	chr15	90371741	90382405	90382480	90398680	-
Cpne8	MmuEX0012570	chr15	90346520	90352339	90352385	90370663	-
Cpne8	MmuEX0012571	chr15	90415372	90432244	90432320	90445542	-
Cpped1	MmuEX0012582	chr16	11828690	11885666	11885838	11887671	-
Cpped1	MmuEX0012583	chr16	11887889	11894976	11895047	11909359	-
Cpped1	MmuEX0012584	chr16	11828690	11887671	11887847	11909359	-
Cpped1	MmuEX0012585	chr16	11805676	11828268	11828690	11887671	-

Cpsf1	MmuEX0012586	chr15	76433812	76433942	76434075	76434154	-
Cpsf1	MmuEX0012587	chr15	76427001	76427081	76427128	76427207	-
Cpsf1	MmuEX0012588	chr15	76426779	76426846	76427001	76427081	-
Cpsf1	MmuEX0012589	chr15	76427771	76427861	76428002	76428076	-
Cpsf3	MmuEX0012590	chr12	21312742	21313854	21313952	21314765	+
Cpsf3	MmuEX0012591	chr12	21292811	21294603	21294789	21296109	+
Cpsf3	MmuEX0012592	chr12	21299215	21300777	21300800	21300891	+
Cpsf3	MmuEX0012593	chr12	21299215	21300891	21301068	21302508	+
Cpsf3	MmuEX0012594	chr12	21292444	21292666	21292811	21296109	+
Cpsf3l	MmuEX0012595	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cpsf3l	MmuEX0012596	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cpsf3l	MmuEX0012597	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cpsf3l	MmuEX0012598	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cpsf3l	MmuEX0012599	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Cpsf4	MmuEX0012600	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Cpsf4	MmuEX0012601	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Cpsf6	MmuEX0012606	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Cpsf6	MmuEX0012607	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Cpsf6	MmuEX0012608	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Cpsf6	MmuEX0012609	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Cpsf6	MmuEX0012610	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Cpsf7	MmuEX0012611	chr19	10607413	10607516	10607622	10607783	+
Cpsf7	MmuEX0012612	chr19	10600090	10600442	10600550	10606748	+
Cpsf7	MmuEX0012613	chr19	10600550	10606271	10606489	10609594	+
Cpsf7	MmuEX0012614	chr19	10606489	10606621	10606686	10607310	+
Cpsf7	MmuEX0012615	chr19	10606489	10606751	10606824	10607310	+
Cpsf7	MmuEX0012616	chr19	10606489	10607310	10607413	10609594	+
Cpsf7	MmuEX0012617	chr19	10607413	10607783	10607928	10609594	+
Cpt1a	MmuEX0012618	chr19	3323374	3324573	3324693	3349189	+
Cpt1a	MmuEX0012619	chr19	3366417	3368855	3369050	3370707	+
Cpt1a	MmuEX0012620	chr19	3380169	3381610	3381723	3381932	+
Cpt1a	MmuEX0012621	chr19	3349342	3352485	3352624	3356317	+
Cpt1a	MmuEX0012622	chr19	3362222	3364478	3364555	3365675	+
Cpt1b	MmuEX0012623	chr15	89251971	89252556	89252640	89252720	-
Cpt1c	MmuEX0012627	chr7	52215045	52215214	52215306	52215420	-
Cpt1c	MmuEX0012628	chr7	52219379	52220454	52220636	52220741	-
Cpt1c	MmuEX0012629	chr7	52220936	52221996	52222080	52222167	-
Cpt2	MmuEX0012631	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cpxm1	MmuEX0012634	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Cpxm2	MmuEX0012635	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Cpxm2	MmuEX0012637	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Cpxm2	MmuEX0012638	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Cramp1l	MmuEX0012651	chr17	25122043	25122467	25122552	25129215	-
Cramp1l	MmuEX0012652	chr17	25120970	25121920	25122043	25122467	-
Cramp1l	MmuEX0012653	chr17	25134551	25140157	25140350	25150633	-
Cramp1l	MmuEX0012654	chr17	25101891	25105871	25106016	25107360	-
Cramp1l	MmuEX0012655	chr17	25110204	25110449	25110553	25111650	-

Crat	MmuEX0012656	chr2	30265595	30266637	30266843	30268503	-
Crat	MmuEX0012657	chr2	30259161	30260048	30260110	30260458	-
Crat	MmuEX0012658	chr2	30263400	30263576	30263741	30264261	-
Crat	MmuEX0012659	chr2	30268766	30269380	30269516	30270715	-
Crbn	MmuEX0012672	chr6	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Crbn	MmuEX0012673	chr6	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Crbn	MmuEX0012674	chr6	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Crcp	MmuEX0012675	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Crcp	MmuEX0012676	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Creb1	MmuEX0012677	chr1	64597544	64598400	64598461	64605077	+
Creb1	MmuEX0012678	chr1	64620829	64621770	64621833	64622753	+
Creb1	MmuEX0012679	chr1	64606342	64612791	64612891	64616708	+
Creb1	MmuEX0012680	chr1	64579594	64597423	64597544	64605077	+
Creb1	MmuEX0012683	chr1	64616850	64620647	64620829	64622753	+
Creb3l2	MmuEX0012684	chr6	37314143	37329812	37330028	37391699	-
Creb3l2	MmuEX0012685	chr6	37305789	37308463	37308647	37312358	-
Creb3l2	MmuEX0012686	chr6	37312445	37313968	37314143	37329812	-
Crebbp	MmuEX0012690	chr16	4155033	4179424	4180133	4213139	-
Crebbp	MmuEX0012691	chr16	4119856	4124170	4124214	4124636	-
Crebbp	MmuEX0012692	chr16	4101638	4107428	4107516	4108036	-
Crebbp	MmuEX0012693	chr16	4088405	4089374	4089484	4091792	-
Crebbp	MmuEX0012694	chr16	4086198	4087681	4087962	4088244	-
Crebbp	MmuEX0012695	chr16	4128686	4137366	4137479	4138745	-
Crebbp	MmuEX0012696	chr16	4138985	4154857	4155033	4179424	-
Crebl2	MmuEX0012697	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Crebl2	MmuEX0012698	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Crebl2	MmuEX0012699	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Creld1	MmuEX0012700	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Creld1	MmuEX0012701	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Creld2	MmuEX0012702	chr15	88650264	88650361	88650443	88650959	+
Creld2	MmuEX0012703	chr15	88650443	88650959	88651069	88651565	+
Creld2	MmuEX0012704	chr15	88655173	88655580	88655720	88656817	+
Creld2	MmuEX0012705	chr15	88652565	88653497	88653592	88654172	+
Crem	MmuEX0012706	chr18	3273576	3276692	3276727	3295038	-
Crem	MmuEX0012707	chr18	3325476	3327492	3327589	3337378	-
Crem	MmuEX0012708	chr18	3273601	3325359	3325476	3337378	-
Crem	MmuEX0012709	chr18	3299306	3309853	3309985	3325359	-
Crem	MmuEX0012710	chr18	3299306	3309644	3309753	3309853	-
Crem	MmuEX0012711	chr18	3295414	3299160	3299306	3325359	-
Crem	MmuEX0012712	chr18	3273601	3295320	3295414	3299160	-
Crem	MmuEX0012713	chr18	3273601	3295038	3295180	3295320	-
Crem	MmuEX0012714	chr18	3273601	3287902	3288090	3295038	-
Crem	MmuEX0012715	chr18	3273601	3281686	3284071	3287902	-
Crhr2	MmuEX0012721	chr6	55041412	55042507	55042548	55042946	-
Crhr2	MmuEX0012722	chr6	55052862	55053162	55053268	55054718	-
Crhr2	MmuEX0012723	chr6	55067533	55073677	55073767	55082764	-
Crim1	MmuEX0012724	chr17	78769457	78771918	78772108	78773396	+

Crim1	MmuEX0012725	chr17	78712646	78714889	78715086	78734567	+
Crim1	MmuEX0012726	chr17	78600439	78637082	78637255	78679313	+
Crim1	MmuEX0012727	chr17	78637255	78679313	78679555	78680586	+
Crim1	MmuEX0012728	chr17	78679555	78680586	78680706	78712464	+
Crim1	MmuEX0012729	chr17	78680706	78702327	78702448	78712464	+
Crim1	MmuEX0012730	chr17	78750239	78754296	78754517	78767132	+
Crim1	MmuEX0012731	chr17	78754517	78767132	78767326	78769335	+
Crip2	MmuEX0012732	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Crip2	MmuEX0012733	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Crip2	MmuEX0012734	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Crip2	MmuEX0012735	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Cript	MmuEX0012737	chr17	87425015	87427039	87427104	87430348	+
Crispld2	MmuEX0012744	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Crk	MmuEX0012745	chr11	75493166	75505699	75506234	75516868	+
Crkl	MmuEX0012746	chr16	17452881	17468986	17469451	17483754	+
Crlf2	MmuEX0012753	chr5	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Crlf3	MmuEX0012754	chr11	79873687	79877694	79877901	79894286	-
Crlf3	MmuEX0012755	chr11	79861239	79862094	79862206	79869954	-
Crls1	MmuEX0012756	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Crls1	MmuEX0012757	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Crls1	MmuEX0012758	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Crls1	MmuEX0012759	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Crocc	MmuEX0012763	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012764	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012765	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012766	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012767	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012768	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012769	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012770	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crocc	MmuEX0012771	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Crot	MmuEX0012774	chr5	8993641	8996452	8996547	8997104	-
Crot	MmuEX0012775	chr5	8978291	8981809	8982039	8983689	-
Crot	MmuEX0012776	chr5	8993641	8995670	8995739	8996452	-
Crot	MmuEX0012777	chr5	8983797	8987063	8987196	8987768	-
Crot	MmuEX0012778	chr5	8978291	8983689	8983797	8987768	-
Crtap	MmuEX0012784	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Crtap	MmuEX0012785	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Crtc1	MmuEX0012786	chr8	72921853	72922195	72922235	72924518	-
Crtc1	MmuEX0012787	chr8	72911620	72911974	72912060	72915101	-
Crtc1	MmuEX0012788	chr8	72930114	72932794	72932910	72963332	-
Crtc1	MmuEX0012789	chr8	72924603	72929977	72930114	72963332	-
Crtc1	MmuEX0012790	chr8	72924603	72929158	72929219	72963332	-
Crtc1	MmuEX0012791	chr8	72924603	72926330	72926424	72963332	-
Crtc1	MmuEX0012792	chr8	72922235	72924518	72924603	72963332	-
Crtc2	MmuEX0012793	chr3	90063414	90063505	90063534	90063685	+
Crtc2	MmuEX0012794	chr3	90063534	90063685	90063749	90063876	+

Crtc2	MmuEX0012795	chr3	90058480	90061039	90061140	90063308	+
Crtc2	MmuEX0012796	chr3	90058480	90061217	90061333	90063308	+
Crtc2	MmuEX0012797	chr3	90058480	90062387	90062448	90063308	+
Crtc2	MmuEX0012798	chr3	90062448	90063076	90063144	90063308	+
Crtc2	MmuEX0012799	chr3	90064292	90064619	90065025	90066373	+
Crtc2	MmuEX0012800	chr3	90065025	90066373	90066636	90067093	+
Crtc2	MmuEX0012801	chr3	90066636	90066836	90066902	90067093	+
Crtc3	MmuEX0012802	chr7	87743850	87749237	87749286	87750634	-
Crtc3	MmuEX0012803	chr7	87754818	87761351	87761451	87763480	-
Cry1	MmuEX0012806	chr10	84619939	84630690	84630733	84647059	-
Cry1	MmuEX0012807	chr10	84595903	84595987	84596058	84605761	-
Cry2	MmuEX0012808	chr2	92263219	92263398	92263509	92264702	-
Cry2	MmuEX0012809	chr2	92254104	92256311	92256451	92262319	-
Cryba4	MmuEX0012812	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Crybb3	MmuEX0012813	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Crybb3	MmuEX0012814	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Crybg3	MmuEX0012815	chr16	59529081	59529930	59530056	59530157	-
Crybg3	MmuEX0012816	chr16	59550375	59551998	59552113	59552356	-
Crybg3	MmuEX0012817	chr16	59552113	59552356	59552400	59553933	-
Crybg3	MmuEX0012818	chr16	59524796	59529049	59529081	59529930	-
Crybg3	MmuEX0012819	chr16	59506146	59524687	59524796	59529049	-
Crybg3	MmuEX0012820	chr16	59506146	59521910	59522039	59524687	-
Cryl1	MmuEX0012822	chr14	57931966	57961018	57961032	57981759	-
Cryl1	MmuEX0012823	chr14	57931966	57981759	57981881	58001595	-
Cryl1	MmuEX0012824	chr14	57931966	57971473	57971577	57981759	-
Cryl1	MmuEX0012825	chr14	57922624	57931805	57931966	57981759	-
Cryl1	MmuEX0012826	chr14	57905307	57922430	57922624	57931805	-
Cryz	MmuEX0012828	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cryz	MmuEX0012829	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cryz	MmuEX0012830	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Cryzl1	MmuEX0012831	chr16	91715071	91717649	91717720	91728803	-
Cryzl1	MmuEX0012832	chr16	91692949	91693089	91693172	91694427	-
Cryzl1	MmuEX0012833	chr16	91699533	91701317	91701450	91707470	-
Cryzl1	MmuEX0012834	chr16	91712512	91714994	91715071	91717649	-
Cryzl1	MmuEX0012835	chr16	91690160	91695506	91695604	91699422	-
Cryzl1	MmuEX0012836	chr16	91690160	91694427	91694545	91699422	-
Cryzl1	MmuEX0012837	chr16	91690160	91692844	91692949	91699422	-
Cryzl1	MmuEX0012838	chr16	91690160	91690949	91690994	91699422	-
Cryzl1	MmuEX0012839	chr16	91701450	91709074	91709118	91712440	-
Cryzl1	MmuEX0012840	chr16	91701450	91707470	91707538	91712440	-
Csad	MmuEX0012841	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Csad	MmuEX0012842	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Csad	MmuEX0012843	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Csad	MmuEX0012844	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Csad	MmuEX0012845	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Csad	MmuEX0012846	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Csad	MmuEX0012847	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-

Csda	MmuEX0012848	chr6	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Csde1	MmuEX0012849	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Csde1	MmuEX0012850	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Csde1	MmuEX0012851	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Cse1l	MmuEX0012852	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012853	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012854	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012855	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012856	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012857	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012858	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012859	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012860	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012861	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Cse1l	MmuEX0012862	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Csf1	MmuEX0012863	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Csf1	MmuEX0012864	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Csf1	MmuEX0012865	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Csf1	MmuEX0012866	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Csf1	MmuEX0012867	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Csf1r	MmuEX0012868	chr18	61274591	61276695	61276810	61276946	+
Csf2ra	MmuEX0012869	chr19	61301117	61301227	61301323	61301426	-
Csf2ra	MmuEX0012870	chr19	61303087	61303175	61303268	61304242	-
Csf2ra	MmuEX0012871	chr19	61301555	61301831	61301958	61302104	-
Csf2ra	MmuEX0012872	chr19	61301555	61301695	61301724	61301831	-
Csf2rb2	MmuEX0012874	chr15	78116513	78117142	78117199	78117403	-
Csf3r	MmuEX0012881	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Csgalnact1	MmuEX0012885	chr8	70912596	70925202	70925418	70984823	-
Csgalnact2	MmuEX0012888	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Csgalnact2	MmuEX0012889	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Csgalnact2	MmuEX0012890	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Csgalnact2	MmuEX0012891	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Csgalnact2	MmuEX0012892	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Csk	MmuEX0012893	chr9	57479250	57481802	57481852	57492802	-
Csnk1a1	MmuEX0012917	chr18	61736906	61738321	61738427	61739993	+
Csnk1a1	MmuEX0012918	chr18	61729216	61731528	61731611	61735064	+
Csnk1d	MmuEX0012919	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Csnk1d	MmuEX0012920	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Csnk1e	MmuEX0012921	chr15	79251440	79252147	79252207	79255270	-
Csnk1e	MmuEX0012922	chr15	79251440	79254582	79254685	79255270	-
Csnk1g1	MmuEX0012923	chr9	65847353	65847463	65847593	65849854	+
Csnk1g1	MmuEX0012925	chr9	65797871	65806136	65806528	65821286	+
Csnk1g1	MmuEX0012928	chr9	65857954	65858229	65858377	65860554	+
Csnk1g1	MmuEX0012929	chr9	65858377	65860554	65860661	65867609	+
Csnk1g1	MmuEX0012930	chr9	65860661	65867609	65867719	65880046	+
Csnk1g1	MmuEX0012931	chr9	65867719	65880046	65880152	65887384	+
Csnk1g1	MmuEX0012932	chr9	65880152	65882857	65882880	65887384	+

Csnk1g1	MmuEX0012933	chr9	65806528	65821286	65821326	65828710	+
Csnk1g1	MmuEX0012934	chr9	65821326	65828710	65828779	65847202	+
Csnk1g2	MmuEX0012935	chr10	80085695	80094634	80094738	80096959	+
Csnk1g2	MmuEX0012936	chr10	80101978	80102325	80102408	80102513	+
Csnk1g2	MmuEX0012937	chr10	80102408	80102513	80102619	80102767	+
Csnk1g3	MmuEX0012938	chr18	54055608	54055945	54056096	54062507	+
Csnk1g3	MmuEX0012939	chr18	54022254	54055185	54055608	54076629	+
Csnk1g3	MmuEX0012940	chr18	54093199	54096507	54096602	54107702	+
Csnk1g3	MmuEX0012941	chr18	54107808	54108299	54108322	54112899	+
Csnk1g3	MmuEX0012942	chr18	54022254	54062507	54062547	54076629	+
Csnk1g3	MmuEX0012943	chr18	54022254	54066254	54066323	54076629	+
Csnk1g3	MmuEX0012944	chr18	54022254	54076629	54076777	54107702	+
Csnk1g3	MmuEX0012945	chr18	54022254	54091848	54091993	54107702	+
Csnk1g3	MmuEX0012946	chr18	54091993	54093104	54093199	54107702	+
Csnk2a1	MmuEX0012947	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Csnk2a2	MmuEX0012948	chr8	97977343	97979758	97979906	97981288	-
Csnk2a2	MmuEX0012949	chr8	98001213	98011465	98011576	98012244	-
Csnk2a2	MmuEX0012950	chr8	97985529	97989551	97989610	97997271	-
Csnk2a2	MmuEX0012951	chr8	97981388	97983972	97984073	97984578	-
Csnk2a2	MmuEX0012952	chr8	97984688	97985446	97985529	97989551	-
Csnk2a2	MmuEX0012953	chr8	97989610	98001112	98001209	98011465	-
Csnk2a2	MmuEX0012954	chr8	97989610	97997271	97997321	98011465	-
Cspp1	MmuEX0012963	chr1	10122598	10123245	10123354	10124173	+
Cspp1	MmuEX0012964	chr1	10056901	10064941	10065027	10078132	+
Cspp1	MmuEX0012965	chr1	10056901	10067253	10067323	10078132	+
Cspp1	MmuEX0012966	chr1	10056901	10072334	10072427	10078132	+
Cspp1	MmuEX0012968	chr1	10073639	10075828	10076033	10078132	+
Cspp1	MmuEX0012969	chr1	10103788	10106099	10106165	10116421	+
Cspp1	MmuEX0012970	chr1	10103788	10106695	10106812	10116421	+
Cspp1	MmuEX0012971	chr1	10086094	10094293	10094445	10098450	+
Cspp1	MmuEX0012972	chr1	10086094	10098450	10098562	10102474	+
Csrnp2	MmuEX0012973	chr15	1E+08	1E+08	1E+08	1E+08	-
Csrp1	MmuEX0012977	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Csrp2	MmuEX0012978	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Csrp2	MmuEX0012979	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Csrp2bp	MmuEX0012980	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Csrp2bp	MmuEX0012981	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Csrp2bp	MmuEX0012982	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Csrp2bp	MmuEX0012983	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Csrp2bp	MmuEX0012984	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Csrp2bp	MmuEX0012985	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Csrp2bp	MmuEX0012986	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Cst6	MmuEX0012987	chr19	5348049	5348397	5348522	5349095	-
Cstf1	MmuEX0012988	chr2	1.72E+08	1.72E+08	1.72E+08	1.72E+08	+
Cstf2	MmuEX0012989	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cstf2	MmuEX0012990	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Cstf2	MmuEX0012991	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+

Cstf3	MmuEX0012992	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cstf3	MmuEX0012993	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cstf3	MmuEX0012994	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Cstf3	MmuEX0012995	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Cstf3	MmuEX0012996	chr2	1.04E+08	1.04E+08	1.04E+08	1.05E+08	+
Cstf3	MmuEX0012997	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ctage5	MmuEX0012998	chr12	60250555	60255343	60255465	60259240	+
Ctage5	MmuEX0012999	chr12	60271979	60273512	60273579	60275093	+
Ctage5	MmuEX0013000	chr12	60277446	60280458	60280536	60280837	+
Ctage5	MmuEX0013001	chr12	60248910	60250451	60250555	60255343	+
Ctage5	MmuEX0013002	chr12	60238773	60245686	60245757	60247834	+
Ctage5	MmuEX0013003	chr12	60245757	60247323	60247349	60247834	+
Ctage5	MmuEX0013004	chr12	60273579	60275093	60275175	60277318	+
Ctage5	MmuEX0013005	chr12	60275175	60277318	60277446	60280837	+
Ctbp1	MmuEX0013006	chr5	33612283	33617197	33617303	33617428	-
Ctbp1	MmuEX0013007	chr5	33609686	33612091	33612283	33617428	-
Ctbp2	MmuEX0013008	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbp2	MmuEX0013009	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbp2	MmuEX0013010	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbp2	MmuEX0013011	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbp2	MmuEX0013012	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbp2	MmuEX0013013	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbp2	MmuEX0013014	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ctbs	MmuEX0013015	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ctbs	MmuEX0013016	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ctbs	MmuEX0013017	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ctcf	MmuEX0013018	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ctcf	MmuEX0013019	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ctcf	MmuEX0013020	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ctdp1	MmuEX0013021	chr18	80631067	80638751	80638910	80642625	-
Ctdp1	MmuEX0013022	chr18	80617369	80630905	80631067	80642625	-
Ctdp1	MmuEX0013023	chr18	80646987	80647894	80648060	80649044	-
Ctdp1	MmuEX0013024	chr18	80631067	80642625	80642834	80644163	-
Ctdp1	MmuEX0013025	chr18	80605520	80617182	80617369	80630905	-
Ctdsp1	MmuEX0013026	chr1	74438538	74439852	74440000	74440371	+
Ctdspl	MmuEX0013028	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Ctdspl2	MmuEX0013029	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ctdspl2	MmuEX0013031	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ctdspl2	MmuEX0013034	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ctdspl2	MmuEX0013035	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ctla2a	MmuEX0013044	chr13	61037030	61037319	61037436	61037852	-
Ctla2b	MmuEX0013045	chr13	60997721	60997989	60998106	60998696	-
Ctla2b	MmuEX0013046	chr13	60997080	60997382	60997504	60997599	-
Ctnna1	MmuEX0013048	chr18	35278635	35297639	35297775	35312255	+
Ctnna1	MmuEX0013049	chr18	35278635	35312255	35312361	35313999	+
Ctnna1	MmuEX0013050	chr18	35342207	35348472	35349280	35381719	+
Ctnna1	MmuEX0013051	chr18	35312361	35313999	35314194	35333907	+

Ctnna3	MmuEX0013058	chr10	62892927	62966780	62966883	63000269	+
Ctnna3	MmuEX0013059	chr10	63315573	63713446	63713526	63723561	+
Ctnna3	MmuEX0013060	chr10	64138664	64297326	64297418	64335909	+
Ctnna3	MmuEX0013061	chr10	63000461	63029552	63029718	63044692	+
Ctnnal1	MmuEX0013062	chr4	56826758	56828675	56828863	56829053	-
Ctnnal1	MmuEX0013063	chr4	56830169	56835390	56835427	56839146	-
Ctnnal1	MmuEX0013064	chr4	56850774	56850877	56850919	56851838	-
Ctnnbip1	MmuEX0013065	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Ctnnbip1	MmuEX0013066	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Ctnnbl1	MmuEX0013068	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ctnnbl1	MmuEX0013069	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ctnnbl1	MmuEX0013070	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ctnnbl1	MmuEX0013071	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ctnnd1	MmuEX0013072	chr2	84464715	84466177	84466294	84490563	-
Ctnnd1	MmuEX0013073	chr2	84462239	84464427	84464715	84490563	-
Ctnnd1	MmuEX0013074	chr2	84461144	84462168	84462239	84464427	-
Ctnnd1	MmuEX0013075	chr2	84457100	84460076	84460611	84460992	-
Ctnnd1	MmuEX0013076	chr2	84455428	84456637	84457100	84460076	-
Ctnnd1	MmuEX0013077	chr2	84466294	84478156	84478262	84488488	-
Ctnnd1	MmuEX0013078	chr2	84443060	84443345	84443431	84443806	-
Ctnnd1	MmuEX0013079	chr2	84452249	84452689	84452706	84453093	-
Ctnnd1	MmuEX0013080	chr2	84443909	84448486	84448573	84449117	-
Ctnnd1	MmuEX0013081	chr2	84443909	84445341	84445403	84448486	-
Ctns	MmuEX0013087	chr11	73010754	73012147	73012257	73012420	-
Ctns	MmuEX0013088	chr11	73008787	73010601	73010754	73012420	-
Ctns	MmuEX0013089	chr11	72998857	72999791	72999961	73001024	-
Ctns	MmuEX0013090	chr11	73002308	73010140	73010219	73012380	-
Ctns	MmuEX0013091	chr11	73006635	73008658	73008787	73010140	-
Ctns	MmuEX0013092	chr11	73002308	73006557	73006635	73012380	-
Ctns	MmuEX0013093	chr11	73002308	73005180	73005264	73012380	-
Ctns	MmuEX0013094	chr11	73002063	73002191	73002294	73005180	-
Ctps	MmuEX0013095	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Ctps2	MmuEX0013096	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Ctps2	MmuEX0013097	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Ctps2	MmuEX0013098	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Ctps2	MmuEX0013099	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Ctps2	MmuEX0013100	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Ctr9	MmuEX0013101	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Ctsa	MmuEX0013104	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Ctsa	MmuEX0013105	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Ctsc	MmuEX0013106	chr7	95450810	95456523	95456654	95457910	+
Ctsc	MmuEX0013107	chr7	95430042	95435404	95435488	95445593	+
Ctsf	MmuEX0013108	chr19	4855486	4855698	4855796	4856445	+
Ctsf	MmuEX0013109	chr19	4855808	4856070	4856154	4856445	+
Ctsf	MmuEX0013110	chr19	4856154	4856247	4856308	4856445	+
Ctsf	MmuEX0013111	chr19	4859522	4859602	4859666	4859758	+
Ctsf	MmuEX0013112	chr19	4859522	4859758	4859848	4860250	+

Ctsh	MmuEX0013114	chr9	89963311	89963748	89963818	89966657	+
Ctsh	MmuEX0013115	chr9	89957625	89958991	89959095	89959345	+
Ctsh	MmuEX0013116	chr9	89949057	89949342	89949472	89955317	+
Ctsh	MmuEX0013117	chr9	89949472	89952987	89953025	89955317	+
Ctsh	MmuEX0013118	chr9	89949472	89955317	89955348	89956340	+
Ctsh	MmuEX0013119	chr9	89955348	89956233	89956314	89957555	+
Ctsh	MmuEX0013120	chr9	89955348	89956357	89956462	89957555	+
Ctsk	MmuEX0013121	chr3	95306722	95310253	95310375	95310484	+
Ctso	MmuEX0013124	chr3	81755458	81756121	81756213	81758148	+
Ctso	MmuEX0013125	chr3	81746254	81748784	81748951	81755295	+
Ctso	MmuEX0013126	chr3	81746254	81750236	81750357	81755295	+
Ctss	MmuEX0013127	chr3	95330847	95333359	95333482	95342643	+
Ctsz	MmuEX0013130	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Cttn	MmuEX0013131	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013132	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013133	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013134	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013135	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013136	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013137	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttn	MmuEX0013138	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Cttnbp2nl	MmuEX0013147	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ctu1	MmuEX0013149	chr7	50927445	50930474	50931016	50931797	+
Ctu2	MmuEX0013150	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ctu2	MmuEX0013151	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Cuedc1	MmuEX0013153	chr11	87983676	87990772	87990899	87995983	+
Cuedc2	MmuEX0013154	chr19	46405603	46405780	46405956	46406036	-
Cuedc2	MmuEX0013155	chr19	46407191	46412803	46412901	46413010	-
Cul1	MmuEX0013156	chr6	47459102	47463627	47463720	47464794	+
Cul1	MmuEX0013157	chr6	47468281	47469135	47469211	47469647	+
Cul1	MmuEX0013158	chr6	47469211	47469647	47469778	47470792	+
Cul1	MmuEX0013159	chr6	47403626	47403836	47404028	47434743	+
Cul1	MmuEX0013160	chr6	47473124	47473203	47473285	47473698	+
Cul1	MmuEX0013161	chr6	47447387	47451167	47451217	47458225	+
Cul1	MmuEX0013162	chr6	47447387	47451698	47451788	47458225	+
Cul1	MmuEX0013163	chr6	47447387	47452426	47452589	47458225	+
Cul2	MmuEX0013164	chr18	3383395	3383553	3383657	3399844	+
Cul2	MmuEX0013165	chr18	3405785	3414128	3414222	3417533	+
Cul2	MmuEX0013166	chr18	3426221	3426315	3426401	3426756	+
Cul2	MmuEX0013167	chr18	3414222	3417533	3417638	3418562	+
Cul2	MmuEX0013168	chr18	3431583	3433992	3434108	3434842	+
Cul3	MmuEX0013169	chr1	80300768	80305092	80305191	80319434	-
Cul3	MmuEX0013170	chr1	80300768	80319562	80319631	80336821	-
Cul3	MmuEX0013171	chr1	80300768	80318360	80318487	80319434	-
Cul4a	MmuEX0013172	chr8	13127777	13133123	13133241	13133649	+
Cul4a	MmuEX0013173	chr8	13136903	13140203	13140316	13142493	+
Cul4a	MmuEX0013174	chr8	13105903	13106194	13106309	13115470	+

Cul4a	MmuEX0013175	chr8	13106309	13115470	13115573	13122807	+
Cul4a	MmuEX0013176	chr8	13115573	13121677	13121746	13122807	+
Cul4b	MmuEX0013177	chrX	35895335	35896509	35896594	35897926	-
Cul4b	MmuEX0013178	chrX	35894227	35895228	35895335	35896509	-
Cul5	MmuEX0013179	chr9	53437412	53440378	53440442	53441837	-
Cul5	MmuEX0013180	chr9	53463476	53466063	53466290	53466676	-
Cul5	MmuEX0013181	chr9	53431048	53431740	53431915	53432263	-
Cul5	MmuEX0013182	chr9	53430081	53430887	53431048	53431740	-
Cul5	MmuEX0013183	chr9	53443170	53450623	53450703	53450786	-
Cul7	MmuEX0013184	chr17	46799180	46800007	46800152	46800271	+
Cul7	MmuEX0013185	chr17	46791131	46791383	46791608	46792464	+
Cul7	MmuEX0013186	chr17	46797190	46798243	46798403	46798585	+
Cul9	MmuEX0013187	chr17	46677691	46678634	46678788	46680129	-
Cul9	MmuEX0013188	chr17	46662186	46662305	46662395	46662657	-
Cul9	MmuEX0013189	chr17	46659244	46659464	46659559	46660205	-
Cul9	MmuEX0013190	chr17	46676337	46677188	46677691	46678634	-
Cul9	MmuEX0013191	chr17	46658105	46658285	46658464	46658800	-
Cul9	MmuEX0013192	chr17	46648533	46656694	46656880	46656961	-
Cul9	MmuEX0013193	chr17	46647001	46647800	46647999	46648150	-
Cul9	MmuEX0013194	chr17	46640584	46640705	46640869	46640983	-
Cul9	MmuEX0013195	chr17	46640131	46640421	46640584	46640705	-
Cul9	MmuEX0013196	chr17	46639444	46639562	46639636	46640038	-
Cul9	MmuEX0013197	chr17	46638029	46638702	46638835	46639079	-
Cul9	MmuEX0013198	chr17	46667105	46674572	46674764	46675174	-
Cul9	MmuEX0013199	chr17	46656880	46656961	46657189	46657431	-
Cuta	MmuEX0013200	chr17	27075412	27075517	27075562	27075672	-
Cuta	MmuEX0013201	chr17	27076140	27076262	27076313	27076396	-
Cutc	MmuEX0013202	chr19	43835214	43837363	43837496	43839450	+
Cutc	MmuEX0013203	chr19	43837496	43839450	43839477	43841691	+
Cux1	MmuEX0013204	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013205	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013206	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013207	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013208	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013209	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013210	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013211	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013212	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013213	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013214	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013215	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux1	MmuEX0013216	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Cux2	MmuEX0013217	chr5	1.22E+08	1.22E+08	1.22E+08	1.23E+08	-
Cux2	MmuEX0013221	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Cux2	MmuEX0013222	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Cwc15	MmuEX0013224	chr9	14307370	14308042	14308130	14309277	+
Cwc22	MmuEX0013226	chr2	77774779	77778359	77778419	77784207	-

Cwc27	MmuEX0013228	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Cwc27	MmuEX0013229	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Cwc27	MmuEX0013230	chr13	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cwc27	MmuEX0013231	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Cwc27	MmuEX0013232	chr13	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cwc27	MmuEX0013233	chr13	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cwf19l1	MmuEX0013234	chr19	44189223	44195363	44195442	44196339	-
Cwf19l1	MmuEX0013235	chr19	44206003	44206576	44206654	44207490	-
Cwf19l2	MmuEX0013236	chr9	3431087	3440579	3440668	3441055	+
Cwf19l2	MmuEX0013237	chr9	3411451	3417869	3417982	3418656	+
Cwf19l2	MmuEX0013238	chr9	3428783	3430438	3431087	3441055	+
Cwf19l2	MmuEX0013239	chr9	3418775	3421286	3421376	3428668	+
Cwf19l2	MmuEX0013240	chr9	3460131	3475483	3475584	3477817	+
Cx3cl1	MmuEX0013248	chr8	97296234	97301928	97302048	97303460	+
Cxadr	MmuEX0013249	chr16	78329403	78333122	78333247	78333607	+
Cxcl14	MmuEX0013251	chr13	56391168	56393556	56393660	56393822	-
Cxcl14	MmuEX0013252	chr13	56391168	56393822	56393935	56397187	-
Cxcl16	MmuEX0013253	chr11	70272329	70272531	70272669	70272880	-
Cxcl16	MmuEX0013254	chr11	70269564	70271578	70271647	70272247	-
Cxcl16	MmuEX0013255	chr11	70269564	70270443	70270493	70271578	-
Cxxc1	MmuEX0013257	chr18	74377143	74377415	74377650	74377740	+
Cxxc1	MmuEX0013258	chr18	74377931	74378283	74378309	74378386	+
Cxxc1	MmuEX0013259	chr18	74379885	74380011	74380060	74380163	+
Cyb561	MmuEX0013261	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cyb561	MmuEX0013262	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cyb561	MmuEX0013263	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cyb561	MmuEX0013264	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Cyb561d1	MmuEX0013265	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Cyb561d2	MmuEX0013266	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cyb561d2	MmuEX0013267	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Cyb5d2	MmuEX0013268	chr11	72596336	72602579	72602719	72609519	-
Cyb5d2	MmuEX0013269	chr11	72592454	72596150	72596336	72602579	-
Cyb5r1	MmuEX0013270	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Cyb5r1	MmuEX0013271	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Cyb5r1	MmuEX0013272	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Cyb5r1	MmuEX0013273	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Cyb5r1	MmuEX0013274	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Cyb5rl	MmuEX0013279	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013280	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013281	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013282	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013283	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013284	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013285	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyb5rl	MmuEX0013286	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Cyba	MmuEX0013288	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Cybasc3	MmuEX0013290	chr19	10652182	10652224	10652383	10653472	+

Cybas3	MmuEX0013291	chr19	10652611	10653472	10653564	10654953	+
Cybas3	MmuEX0013292	chr19	10656986	10659672	10659880	10661181	+
Cybas3	MmuEX0013293	chr19	10656986	10661181	10661335	10662312	+
Cyct	MmuEX0013294	chr2	76194329	76195630	76195658	76198370	-
Cyfp1	MmuEX0013295	chr7	63148615	63150351	63150517	63152038	+
Cyfp1	MmuEX0013296	chr7	63097677	63109372	63109424	63127229	+
Cyfp1	MmuEX0013297	chr7	63152185	63153195	63153342	63155285	+
Cyfp1	MmuEX0013298	chr7	63152185	63153608	63153761	63155285	+
Cyfp2	MmuEX0013299	chr11	46088244	46090281	46090409	46091561	-
Cyfp2	MmuEX0013300	chr11	46066182	46066467	46066665	46067449	-
Cyfp2	MmuEX0013301	chr11	46071204	46072178	46072252	46074302	-
Cygb	MmuEX0013302	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Cyld	MmuEX0013303	chr8	91233895	91242189	91242197	91243197	+
Cyld	MmuEX0013304	chr8	91221424	91226211	91226337	91229125	+
Cyld	MmuEX0013305	chr8	91221424	91229223	91229778	91230988	+
Cyld	MmuEX0013306	chr8	91247111	91253358	91253737	91255574	+
Cyld	MmuEX0013307	chr8	91247111	91254555	91254720	91255574	+
Cyp20a1	MmuEX0013312	chr1	60409919	60411358	60411500	60420034	+
Cyp20a1	MmuEX0013313	chr1	60409014	60409166	60409180	60409753	+
Cyp20a1	MmuEX0013314	chr1	60420201	60423493	60423571	60428065	+
Cyp20a1	MmuEX0013315	chr1	60433031	60436218	60436329	60439248	+
Cyp20a1	MmuEX0013316	chr1	60400301	60408965	60409014	60411358	+
Cyp20a1	MmuEX0013317	chr1	60409014	60409753	60409919	60411358	+
Cyp27a1	MmuEX0013319	chr1	74760465	74778493	74778683	74781851	+
Cyp27a1	MmuEX0013320	chr1	74783421	74783591	74783672	74783753	+
Cyp2d22	MmuEX0013340	chr15	82204263	82204334	82204486	82204728	-
Cyp2d22	MmuEX0013341	chr15	82203007	82204103	82204263	82204334	-
Cyp2d22	MmuEX0013342	chr15	82203007	82203541	82203717	82204334	-
Cyp2d22	MmuEX0013343	chr15	82203007	82203215	82203356	82203541	-
Cyp2j6	MmuEX0013352	chr4	96202836	96212390	96212552	96219933	-
Cyp2j6	MmuEX0013353	chr4	96198499	96201381	96201501	96202137	-
Cyp2j6	MmuEX0013354	chr4	96190532	96192530	96192717	96196076	-
Cyp2u1	MmuEX0013361	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Cyp39a1	MmuEX0013364	chr17	43804743	43813780	43813915	43817073	+
Cyp39a1	MmuEX0013365	chr17	43817247	43819897	43820046	43822135	+
Cyp39a1	MmuEX0013366	chr17	43868016	43868874	43868962	43883474	+
Cyp39a1	MmuEX0013368	chr17	43822225	43828583	43828687	43838426	+
Cyp46a1	MmuEX0013374	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Cyp4b1	MmuEX0013386	chr4	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Cyp4f13	MmuEX0013387	chr17	33062768	33065220	33065279	33066083	-
Cyp4f13	MmuEX0013388	chr17	33061899	33062269	33062351	33062482	-
Cyp4f13	MmuEX0013389	chr17	33078145	33083750	33083948	33084258	-
Cyp4f13	MmuEX0013390	chr17	33067607	33078001	33078145	33083734	-
Cyp4f13	MmuEX0013391	chr17	33069627	33075017	33075152	33078001	-
Cyp4f13	MmuEX0013392	chr17	33067607	33069574	33069627	33078001	-
Cyp4f13	MmuEX0013393	chr17	33067607	33069358	33069485	33069574	-
Cyp4f16	MmuEX0013401	chr17	32674141	32677216	32677360	32679683	+

Cyp4f16	MmuEX0013402	chr17	32674141	32679683	32679736	32679822	+
Cyp4f18	MmuEX0013404	chr8	74513041	74513778	74513893	74516731	-
Cyp4v3	MmuEX0013408	chr8	46405514	46405881	46406071	46407057	-
Cyr61	MmuEX0013413	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Cysltr1	MmuEX0013414	chrX	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cysltr1	MmuEX0013415	chrX	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Cyth1	MmuEX0013416	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cyth1	MmuEX0013417	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cyth1	MmuEX0013418	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Cyth2	MmuEX0013419	chr7	53065608	53065941	53066089	53066224	-
Cyth2	MmuEX0013420	chr7	53063617	53063743	53063819	53065497	-
Cyth2	MmuEX0013421	chr7	53063819	53064100	53064102	53065497	-
Cyth2	MmuEX0013422	chr7	53063457	53063546	53063617	53063743	-
Cyth3	MmuEX0013423	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Cyth3	MmuEX0013424	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Cyth3	MmuEX0013425	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Cyth3	MmuEX0013426	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Cyth4	MmuEX0013427	chr15	78427649	78428684	78428805	78433123	+
Cyth4	MmuEX0013428	chr15	78448882	78449692	78449763	78450219	+
Cyth4	MmuEX0013429	chr15	78435130	78435290	78435463	78436277	+
Cyth4	MmuEX0013430	chr15	78436343	78437387	78437505	78438556	+
Cyth4	MmuEX0013431	chr15	78427763	78433123	78433205	78435066	+
Cyth4	MmuEX0013432	chr15	78433205	78435066	78435130	78436277	+
Cytip	MmuEX0013434	chr2	57997617	58000286	58000379	58000577	-
Cyrr1	MmuEX0013435	chr16	85465936	85487650	85487791	85545066	-
D030016E14Rik	MmuEX0013436	chr8	48614852	48616006	48616231	48618673	-
D030016E14Rik	MmuEX0013437	chr8	48605059	48607705	48607801	48609879	-
D030016E14Rik	MmuEX0013438	chr8	48601960	48604926	48605059	48607705	-
D030016E14Rik	MmuEX0013439	chr8	48587227	48588666	48588785	48589236	-
D030016E14Rik	MmuEX0013440	chr8	48613384	48614683	48614852	48616006	-
D0H4S114	MmuEX0013447	chr18	33602890	33616153	33616263	33621675	-
D0H4S114	MmuEX0013448	chr18	33602547	33602738	33602890	33621675	-
D10Wsu52e	MmuEX0013461	chr10	85405343	85405954	85406142	85406560	-
D10Wsu52e	MmuEX0013462	chr10	85412367	85414100	85414199	85416182	-
D10Wsu52e	MmuEX0013463	chr10	85401864	85404644	85404763	85405233	-
D10Wsu52e	MmuEX0013464	chr10	85414199	85416182	85416249	85418464	-
D11Wsu47e	MmuEX0013465	chr11	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
D11Wsu47e	MmuEX0013466	chr11	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
D11Wsu47e	MmuEX0013467	chr11	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
D130020L05Rik	MmuEX0013469	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
D130020L05Rik	MmuEX0013470	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
D14Abb1e	MmuEX0013474	chr14	28263046	28263132	28263235	28272965	+
D14Abb1e	MmuEX0013475	chr14	28263235	28272025	28272223	28272965	+
D14Abb1e	MmuEX0013476	chr14	28259695	28260677	28260708	28261341	+
D14Abb1e	MmuEX0013477	chr14	28261446	28262943	28263046	28263132	+
D14Abb1e	MmuEX0013478	chr14	28279497	28280692	28280751	28284804	+
D14Abb1e	MmuEX0013479	chr14	28290406	28292815	28292993	28293110	+

D14Ertd668e	MmuEX0013480	chr14	59972218	59973145	59973212	59973977	-
D14Ertd668e	MmuEX0013481	chr14	59970055	59971488	59971619	59972155	-
D15Ertd621e	MmuEX0013482	chr15	58274829	58279141	58279213	58279898	+
D15Ertd621e	MmuEX0013483	chr15	58279213	58279898	58280047	58281486	+
D15Ertd621e	MmuEX0013484	chr15	58262329	58262761	58262876	58264070	+
D15Ertd621e	MmuEX0013485	chr15	58273281	58274387	58274521	58274716	+
D16H22S680E	MmuEX0013486	chr16	18333660	18338702	18338816	18343988	-
D16H22S680E	MmuEX0013487	chr16	18311076	18312732	18312851	18316739	-
D16H22S680E	MmuEX0013488	chr16	18302883	18303776	18303929	18308063	-
D16H22S680E	MmuEX0013489	chr16	18301645	18302779	18302883	18308063	-
D16H22S680E	MmuEX0013490	chr16	18316827	18319837	18319880	18324450	-
D17H6S56E-3	MmuEX0013491	chr17	35154250	35154638	35154919	35155333	+
D17H6S56E-3	MmuEX0013492	chr17	35159778	35160310	35160442	35160557	+
D17H6S56E-3	MmuEX0013493	chr17	35160709	35160795	35160887	35161115	+
D17H6S56E-3	MmuEX0013494	chr17	35155429	35155983	35156093	35156607	+
D17H6S56E-3	MmuEX0013496	chr17	35154919	35155333	35155429	35155983	+
D17H6S56E-3	MmuEX0013497	chr17	35160887	35161115	35161416	35161488	+
D18Ertd653e	MmuEX0013498	chr18	68395463	68410225	68410278	68413663	+
D18Ertd653e	MmuEX0013500	chr18	68165427	68223871	68224340	68266205	+
D19Bwg1357e	MmuEX0013501	chr19	27495961	27496845	27496911	27497144	-
D19Ertd386e	MmuEX0013502	chr19	42638831	42650516	42650691	42656410	+
D19Ertd386e	MmuEX0013503	chr19	42656480	42657315	42657410	42657893	+
D19Ertd386e	MmuEX0013504	chr19	42650691	42656410	42656480	42657315	+
D19Ertd737e	MmuEX0013515	chr19	60297207	60300768	60300802	60302135	-
D19Ertd737e	MmuEX0013516	chr19	60296263	60296957	60297207	60302135	-
D19Ertd737e	MmuEX0013517	chr19	60296263	60296393	60296480	60302135	-
D19Ertd737e	MmuEX0013518	chr19	60296042	60296233	60296263	60302135	-
D19Ertd737e	MmuEX0013519	chr19	60288665	60295943	60296042	60302135	-
D19Wsu162e	MmuEX0013520	chr19	46681249	46711916	46712186	46718843	+
D19Wsu162e	MmuEX0013521	chr19	46698069	46698800	46699023	46711916	+
D19Wsu162e	MmuEX0013522	chr19	46673783	46681202	46681249	46718843	+
D1Bwg0212e	MmuEX0013523	chr1	39593182	39594261	39594425	39595116	+
D1Bwg0212e	MmuEX0013524	chr1	39599447	39601737	39601833	39601914	+
D1Bwg0212e	MmuEX0013525	chr1	39594425	39595116	39595268	39596718	+
D1Ertd622e	MmuEX0013526	chr1	99542938	99551177	99551266	99558408	-
D230025D16Rik	MmuEX0013529	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
D230025D16Rik	MmuEX0013530	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
D230025D16Rik	MmuEX0013531	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
D230025D16Rik	MmuEX0013532	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
D2Wsu81e	MmuEX0013537	chr2	30029705	30030442	30030589	30030707	-
D2hgdh	MmuEX0013538	chr1	95721896	95722862	95723217	95725783	+
D2hgdh	MmuEX0013539	chr1	95732032	95734517	95734660	95735398	+
D2hgdh	MmuEX0013540	chr1	95723448	95724318	95724384	95725783	+
D2hgdh	MmuEX0013541	chr1	95723448	95725783	95725840	95871930	+
D2hgdh	MmuEX0013542	chr1	95723448	95726334	95726473	95871930	+
D2hgdh	MmuEX0013543	chr1	95726473	95729173	95729366	95731864	+
D2hgdh	MmuEX0013544	chr1	95729366	95731864	95732032	95734517	+

D2hgdh	MmuEX0013545	chr1	95723448	95735398	95735540	95871930	+
D2hgdh	MmuEX0013546	chr1	95735540	95744680	95744845	95747144	+
D2hgdh	MmuEX0013547	chr1	95723448	95747144	95747166	95871930	+
D3Ertd751e	MmuEX0013557	chr3	41546947	41548618	41548734	41550470	+
D3Ertd751e	MmuEX0013558	chr3	41552655	41555017	41555120	41559971	+
D3Ertd751e	MmuEX0013559	chr3	41552655	41557511	41557562	41559971	+
D3Ertd751e	MmuEX0013560	chr3	41552655	41557646	41557697	41559971	+
D430042O09Rik	MmuEX0013569	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013570	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013572	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013573	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013574	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013575	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013576	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013577	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013578	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013579	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013580	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D430042O09Rik	MmuEX0013581	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
D4Ertd22e	MmuEX0013582	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
D4Ertd22e	MmuEX0013583	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
D4Ertd22e	MmuEX0013584	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
D4Ertd22e	MmuEX0013585	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
D4Wsu53e	MmuEX0013586	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
D4Wsu53e	MmuEX0013588	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
D4Wsu53e	MmuEX0013589	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
D5Ertd579e	MmuEX0013590	chr5	36950695	36954527	36954595	36955895	-
D5Ertd579e	MmuEX0013591	chr5	36945452	36947160	36947257	36950587	-
D630003M21Rik	MmuEX0013599	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
D630037F22Rik	MmuEX0013605	chr10	55897390	55900286	55900426	55907549	-
D630037F22Rik	MmuEX0013606	chr10	55890777	55893648	55893790	55897298	-
D630037F22Rik	MmuEX0013607	chr10	55875624	55880941	55881023	55881817	-
D630037F22Rik	MmuEX0013608	chr10	55871659	55875486	55875624	55880941	-
D630037F22Rik	MmuEX0013609	chr10	55918366	55921694	55921762	55934756	-
D630037F22Rik	MmuEX0013610	chr10	55771264	55784280	55784363	55792282	-
D630037F22Rik	MmuEX0013611	chr10	55916672	55918241	55918366	55921694	-
D630037F22Rik	MmuEX0013613	chr10	55747893	55759945	55760085	55768669	-
D630042P16Rik	MmuEX0013616	chr6	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
D6Wsu116e	MmuEX0013624	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013625	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013626	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013627	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013628	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013629	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013630	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013631	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu116e	MmuEX0013632	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+

D6Wsu116e	MmuEX0013633	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
D6Wsu163e	MmuEX0013634	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
D6Wsu163e	MmuEX0013635	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
D730040F13Rik	MmuEX0013638	chr4	56925002	56927739	56927805	56929574	-
D730040F13Rik	MmuEX0013639	chr4	56919185	56921663	56921740	56923029	-
D730040F13Rik	MmuEX0013640	chr4	56912300	56916226	56916395	56916790	-
D730040F13Rik	MmuEX0013641	chr4	56903772	56910106	56910404	56911898	-
D730040F13Rik	MmuEX0013642	chr4	56901581	56903672	56903772	56911898	-
D730040F13Rik	MmuEX0013643	chr4	56912300	56916084	56916119	56916790	-
D730040F13Rik	MmuEX0013644	chr4	56929678	56935259	56935282	56936211	-
D730040F13Rik	MmuEX0013645	chr4	56939165	56950734	56950851	56959717	-
D730040F13Rik	MmuEX0013646	chr4	56939165	56949241	56949342	56959717	-
D8Ertd82e	MmuEX0013652	chr8	37167405	37192058	37192215	37202406	+
D8Ertd82e	MmuEX0013653	chr8	37192215	37202406	37203166	37209356	+
D930014E17Rik	MmuEX0013654	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
D930014E17Rik	MmuEX0013655	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
D930015E06Rik	MmuEX0013657	chr3	83736786	83738742	83738859	83739919	-
D930015E06Rik	MmuEX0013658	chr3	83735754	83736645	83736786	83738742	-
D930015E06Rik	MmuEX0013659	chr3	83732730	83734558	83734630	83735645	-
D930015E06Rik	MmuEX0013660	chr3	83732730	83733830	83733972	83734558	-
D930015E06Rik	MmuEX0013661	chr3	83730213	83730934	83731076	83732603	-
D930015E06Rik	MmuEX0013662	chr3	83728095	83730027	83730213	83730934	-
D930015E06Rik	MmuEX0013664	chr3	83765556	83766220	83766343	83772080	-
D930015E06Rik	MmuEX0013665	chr3	83764719	83765440	83765556	83766220	-
D930015E06Rik	MmuEX0013666	chr3	83710347	83713074	83713256	83714291	-
D930015E06Rik	MmuEX0013667	chr3	83738859	83739919	83739988	83741344	-
D930015E06Rik	MmuEX0013668	chr3	83744527	83744813	83744871	83746309	-
D9Ertd402e	MmuEX0013673	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
D9Ertd402e	MmuEX0013674	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
D9Ertd402e	MmuEX0013675	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
D9Ertd402e	MmuEX0013676	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
D9Ertd402e	MmuEX0013677	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Daam1	MmuEX0013678	chr12	72932318	72960904	72961050	72996714	+
Daam1	MmuEX0013679	chr12	72932318	72996714	72996933	73016686	+
Daam1	MmuEX0013680	chr12	73016775	73037546	73037617	73043160	+
Daam1	MmuEX0013681	chr12	73046488	73047215	73047281	73047502	+
Daam1	MmuEX0013682	chr12	73047619	73047986	73048124	73048380	+
Daam1	MmuEX0013683	chr12	73053546	73059734	73059760	73060793	+
Daam2	MmuEX0013689	chr17	49624819	49625769	49625835	49627512	-
Daam2	MmuEX0013690	chr17	49600063	49601466	49601526	49603251	-
Dab2	MmuEX0013701	chr15	6379949	6380043	6380253	6380954	+
Dab2	MmuEX0013702	chr15	6386497	6386983	6387050	6388782	+
Dab2	MmuEX0013704	chr15	6374250	6374635	6374697	6380954	+
Dab2	MmuEX0013705	chr15	6374697	6379296	6379949	6380954	+
Dab2	MmuEX0013706	chr15	6374697	6380954	6381107	6385165	+
Dab2ip	MmuEX0013707	chr2	35565892	35566869	35567049	35568386	+
Dab2ip	MmuEX0013708	chr2	35565892	35568386	35568530	35568626	+

Dab2ip	MmuEX0013709	chr2	35477803	35499408	35499511	35517012	+
Dab2ip	MmuEX0013710	chr2	35499644	35517012	35517145	35563168	+
Dab2ip	MmuEX0013711	chr2	35576261	35576781	35576933	35578549	+
Dach1	MmuEX0013713	chr14	98188838	98226961	98227029	98227460	-
Dact3	MmuEX0013720	chr7	17468572	17468707	17468859	17470430	+
Daf2	MmuEX0013721	chr1	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Daf2	MmuEX0013722	chr1	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Dag1	MmuEX0013724	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Dag1	MmuEX0013725	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Dag1	MmuEX0013726	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Daglb	MmuEX0013731	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Daglb	MmuEX0013732	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Daglb	MmuEX0013733	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Daglb	MmuEX0013734	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Daglb	MmuEX0013735	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Daglb	MmuEX0013736	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Dak	MmuEX0013737	chr19	10671878	10673522	10673703	10673798	-
Dak	MmuEX0013738	chr19	10669900	10670502	10670591	10670688	-
Dak	MmuEX0013739	chr19	10669058	10669193	10669312	10669784	-
Dak	MmuEX0013740	chr19	10678763	10679431	10679546	10679709	-
Dak	MmuEX0013741	chr19	10667279	10667637	10667726	10667816	-
Dak	MmuEX0013742	chr19	10673703	10673798	10673908	10675061	-
Dalrd3	MmuEX0013743	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Dalrd3	MmuEX0013744	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Dalrd3	MmuEX0013745	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Dap3	MmuEX0013748	chr3	88729333	88730194	88730283	88730933	-
Dap3	MmuEX0013749	chr3	88737588	88740071	88740175	88746697	-
Dap3	MmuEX0013750	chr3	88734942	88737487	88737588	88740071	-
Dap3	MmuEX0013751	chr3	88733448	88734834	88734942	88737487	-
Dap3	MmuEX0013752	chr3	88733448	88734398	88734490	88734834	-
Dap3	MmuEX0013753	chr3	88730992	88732369	88732449	88733318	-
Dap3	MmuEX0013754	chr3	88730992	88732131	88732289	88732369	-
Dap3	MmuEX0013755	chr3	88729333	88730933	88730992	88732131	-
Dapk1	MmuEX0013756	chr13	60797813	60818039	60818177	60819375	+
Dapk1	MmuEX0013757	chr13	60818177	60819375	60819504	60819663	+
Dapk1	MmuEX0013758	chr13	60823224	60824381	60824473	60826658	+
Dapk1	MmuEX0013759	chr13	60830935	60832186	60832383	60837605	+
Dapk1	MmuEX0013760	chr13	60703957	60797592	60797813	60818039	+
Dapk2	MmuEX0013761	chr9	66068562	66079520	66079658	66094224	+
Dapk3	MmuEX0013762	chr10	80653391	80653787	80653813	80654504	+
Dapp1	MmuEX0013764	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Dapp1	MmuEX0013765	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Dapp1	MmuEX0013766	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Dapp1	MmuEX0013767	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Dapp1	MmuEX0013768	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Dapp1	MmuEX0013769	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Dapp1	MmuEX0013770	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-

Dars	MmuEX0013771	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Dars	MmuEX0013772	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Dars	MmuEX0013773	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Dars	MmuEX0013774	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Dars	MmuEX0013775	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Dars2	MmuEX0013776	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Dars2	MmuEX0013777	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Dars2	MmuEX0013778	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Dars2	MmuEX0013779	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Dars2	MmuEX0013780	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Dazap1	MmuEX0013781	chr10	79741026	79741779	79741811	79745769	+
Dazap1	MmuEX0013782	chr10	79741026	79743674	79743756	79745769	+
Dbi	MmuEX0013788	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dbn1	MmuEX0013789	chr13	55576897	55577507	55577677	55577997	-
Dbn1	MmuEX0013790	chr13	55583351	55583512	55583658	55583774	-
Dbn1	MmuEX0013791	chr13	55577677	55577997	55578134	55578912	-
Dbndd2	MmuEX0013793	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Dbnl	MmuEX0013794	chr11	5691850	5693653	5693765	5694240	+
Dbp	MmuEX0013795	chr7	52961132	52961976	52962086	52963630	+
Dbr1	MmuEX0013796	chr9	99476544	99476995	99477119	99478860	+
Dbr1	MmuEX0013797	chr9	99477119	99478860	99478940	99479776	+
Dbt	MmuEX0013798	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Dbt	MmuEX0013799	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Dbt	MmuEX0013800	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Dcaf10	MmuEX0013802	chr4	45355599	45359202	45359416	45360978	+
Dcaf10	MmuEX0013803	chr4	45359416	45360978	45361091	45362409	+
Dcaf10	MmuEX0013804	chr4	45362463	45365146	45365211	45372633	+
Dcaf10	MmuEX0013805	chr4	45361091	45362409	45362463	45372633	+
Dcaf10	MmuEX0013806	chr4	45361091	45372633	45372830	45383178	+
Dcaf10	MmuEX0013807	chr4	45385646	45385796	45385941	45386781	+
Dcaf11	MmuEX0013808	chr14	56183354	56183571	56183625	56183935	+
Dcaf11	MmuEX0013809	chr14	56183354	56183656	56183759	56183935	+
Dcaf11	MmuEX0013810	chr14	56180279	56181729	56181856	56182209	+
Dcaf11	MmuEX0013811	chr14	56178962	56179278	56179464	56179912	+
Dcaf11	MmuEX0013812	chr14	56182336	56182557	56182621	56182890	+
Dcaf12	MmuEX0013813	chr4	41249853	41250229	41250480	41260244	-
Dcaf12	MmuEX0013814	chr4	41248427	41249647	41249853	41260244	-
Dcaf12	MmuEX0013816	chr4	41249853	41260244	41260498	41263391	-
Dcaf13	MmuEX0013817	chr15	38956030	38959436	38959513	38961762	+
Dcaf13	MmuEX0013818	chr15	38944597	38950257	38950456	38950891	+
Dcaf13	MmuEX0013819	chr15	38944597	38950891	38950998	38954759	+
Dcaf15	MmuEX0013820	chr8	86623091	86625575	86625745	86625831	-
Dcaf15	MmuEX0013821	chr8	86626952	86627326	86627379	86628516	-
Dcaf15	MmuEX0013822	chr8	86626169	86626855	86626952	86628516	-
Dcaf15	MmuEX0013823	chr8	86626169	86626645	86626780	86628516	-
Dcaf17	MmuEX0013824	chr2	70920110	70922482	70922591	70924596	+
Dcaf17	MmuEX0013825	chr2	70924683	70925372	70925455	70926404	+

Dcaf17	MmuEX0013826	chr2	70925455	70926404	70926559	70927846	+
Dcaf17	MmuEX0013828	chr2	70916221	70916531	70916636	70919968	+
Dcaf17	MmuEX0013829	chr2	70898500	70901416	70901552	70911178	+
Dcaf17	MmuEX0013831	chr2	70901552	70911178	70911256	70913425	+
Dcaf17	MmuEX0013832	chr2	70911256	70913504	70913593	70916117	+
Dcaf4	MmuEX0013833	chr12	84861567	84867094	84867190	84870118	+
Dcaf4	MmuEX0013834	chr12	84874960	84875810	84875859	84876850	+
Dcaf4	MmuEX0013835	chr12	84880431	84880739	84880853	84882315	+
Dcaf4	MmuEX0013836	chr12	84867190	84870118	84870218	84870927	+
Dcaf4	MmuEX0013837	chr12	84871856	84872757	84872823	84873229	+
Dcaf5	MmuEX0013838	chr12	81441263	81449307	81449434	81464991	-
Dcaf5	MmuEX0013839	chr12	81465057	81477575	81477718	81498640	-
Dcaf5	MmuEX0013840	chr12	81499895	81500936	81500972	81505542	-
Dcaf6	MmuEX0013841	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013842	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013843	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013844	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013845	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013846	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013847	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013848	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013849	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013850	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013851	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013852	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013853	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013854	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf6	MmuEX0013855	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Dcaf8	MmuEX0013856	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Dcaf8	MmuEX0013857	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Dcaf8	MmuEX0013858	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Dcaf8	MmuEX0013859	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Dcakd	MmuEX0013860	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Dcakd	MmuEX0013861	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Dcbld1	MmuEX0013862	chr10	52034210	52036838	52036957	52039282	+
Dcbld1	MmuEX0013863	chr10	51953641	51981533	51981745	52003909	+
Dcbld1	MmuEX0013864	chr10	51981745	52003909	52004043	52006154	+
Dcbld1	MmuEX0013865	chr10	52006205	52010657	52010729	52024393	+
Dcbld1	MmuEX0013866	chr10	52010729	52024393	52024526	52031206	+
Dcbld2	MmuEX0013867	chr16	58445505	58447162	58447331	58448565	+
Dcbld2	MmuEX0013868	chr16	58456521	58460845	58460969	58461068	+
Dcbld2	MmuEX0013869	chr16	58456521	58461068	58461161	58463172	+
Dcbld2	MmuEX0013870	chr16	58409064	58424674	58424901	58433439	+
Dcbld2	MmuEX0013871	chr16	58424901	58433439	58433576	58445454	+
Dcbld2	MmuEX0013872	chr16	58433576	58445454	58445505	58448929	+
Dcbld2	MmuEX0013873	chr16	58448637	58448929	58449062	58449912	+
Dcbld2	MmuEX0013874	chr16	58451052	58451774	58451898	58455239	+

Dci	MmuEX0013890	chr17	24563884	24569648	24569754	24570078	+
Dci	MmuEX0013891	chr17	24563884	24570078	24570205	24573123	+
Dci	MmuEX0013892	chr17	24570205	24570809	24571100	24573123	+
Dci	MmuEX0013893	chr17	24570205	24573123	24573269	24574165	+
Dci	MmuEX0013894	chr17	24573269	24574165	24574286	24574377	+
Dclre1a	MmuEX0013910	chr19	56611772	56612787	56612932	56614672	-
Dclre1b	MmuEX0013911	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dclre1b	MmuEX0013912	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dclre1c	MmuEX0013915	chr2	3364434	3367551	3367645	3370120	+
Dclre1c	MmuEX0013916	chr2	3367645	3369351	3369462	3370120	+
Dclre1c	MmuEX0013917	chr2	3367645	3370120	3370470	3374816	+
Dclre1c	MmuEX0013918	chr2	3342687	3346540	3346624	3351019	+
Dclre1c	MmuEX0013921	chr2	3354362	3354948	3355020	3355224	+
Dcn	MmuEX0013922	chr10	96942423	96945973	96946192	96957636	+
Dcp1a	MmuEX0013923	chr14	31334841	31335914	31336132	31336412	+
Dcp1a	MmuEX0013924	chr14	31297772	31316012	31316078	31318732	+
Dcp1a	MmuEX0013925	chr14	31318870	31326170	31326283	31332105	+
Dcp1a	MmuEX0013926	chr14	31332863	31334776	31334841	31335914	+
Dcp1b	MmuEX0013927	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp1b	MmuEX0013928	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp1b	MmuEX0013929	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp1b	MmuEX0013930	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp1b	MmuEX0013933	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp1b	MmuEX0013934	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp1b	MmuEX0013935	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dcp2	MmuEX0013936	chr18	44560069	44564864	44565016	44565111	+
Dcps	MmuEX0013937	chr9	34934002	34937046	34937159	34943929	-
Dcps	MmuEX0013938	chr9	34932429	34932752	34932928	34933892	-
Dcps	MmuEX0013939	chr9	34937159	34943929	34944074	34978662	-
Dctd	MmuEX0013945	chr8	49197457	49222612	49222728	49224136	+
Dctn1	MmuEX0013948	chr6	83143769	83143953	83144015	83144114	+
Dctn1	MmuEX0013949	chr6	83133327	83133930	83133950	83136422	+
Dctn1	MmuEX0013950	chr6	83137778	83139071	83139262	83139542	+
Dctn1	MmuEX0013951	chr6	83146101	83147313	83147327	83147485	+
Dctn1	MmuEX0013952	chr6	83133131	83137758	83137778	83139071	+
Dctn2	MmuEX0013953	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Dctn2	MmuEX0013954	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Dctn3	MmuEX0013955	chr4	41663486	41664001	41664150	41664389	-
Dctn3	MmuEX0013956	chr4	41662291	41662428	41662487	41663428	-
Dctn4	MmuEX0013957	chr18	60703800	60705011	60705031	60705402	+
Dctn5	MmuEX0013958	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Dctn5	MmuEX0013959	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Dctn6	MmuEX0013960	chr8	35160348	35169396	35169460	35171473	-
Dctn6	MmuEX0013961	chr8	35160348	35161973	35162155	35169396	-
Dctpp1	MmuEX0013962	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Dcun1d2	MmuEX0013963	chr8	13278685	13280909	13281125	13287804	-
Dcun1d2	MmuEX0013964	chr8	13271720	13278517	13278685	13280909	-

Dcun1d2	MmuEX0013965	chr8	13259043	13261385	13261467	13271590	-
Dcun1d2	MmuEX0013966	chr8	13257976	13258947	13259043	13261385	-
Dcun1d4	MmuEX0013967	chr5	73912283	73912941	73913010	73913892	+
Dcun1d4	MmuEX0013968	chr5	73913983	73922743	73922813	73925845	+
Dcun1d4	MmuEX0013969	chr5	73922813	73925845	73925936	73935286	+
Dcun1d4	MmuEX0013970	chr5	73935394	73944718	73944800	73946598	+
Dcun1d4	MmuEX0013971	chr5	73902405	73910984	73911062	73911355	+
Dcun1d4	MmuEX0013972	chr5	73902195	73902366	73902405	73911355	+
Dcun1d4	MmuEX0013973	chr5	73911469	73912154	73912283	73913892	+
Dcun1d4	MmuEX0013974	chr5	73911469	73913892	73913983	73922743	+
Dcun1d4	MmuEX0013975	chr5	73925936	73935286	73935394	73946598	+
Dcun1d4	MmuEX0013976	chr5	73935394	73946598	73946702	73948493	+
Dcun1d5	MmuEX0013977	chr9	7189253	7200749	7200817	7203263	+
Dcun1d5	MmuEX0013978	chr9	7205400	7206073	7206081	7206720	+
Dcun1d5	MmuEX0013979	chr9	7203555	7205298	7205400	7206720	+
Dcxr	MmuEX0013981	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Dda1	MmuEX0013982	chr8	73993224	73993442	73993591	73995936	+
Dda1	MmuEX0013983	chr8	73993224	73995940	73996016	73998387	+
Dda1	MmuEX0013984	chr8	73996016	73996094	73996145	73997674	+
Dda1	MmuEX0013985	chr8	73996145	73997674	73997735	73998387	+
Ddah1	MmuEX0013986	chr3	1.45E+08	1.46E+08	1.46E+08	1.46E+08	+
Ddah2	MmuEX0013987	chr17	35197851	35197950	35198069	35198421	+
Ddb1	MmuEX0013988	chr19	10680256	10680477	10680530	10681335	+
Ddb1	MmuEX0013989	chr19	10687521	10688598	10688681	10689342	+
Ddb1	MmuEX0013990	chr19	10689458	10689978	10690080	10693539	+
Ddb1	MmuEX0013991	chr19	10696474	10696552	10696659	10696780	+
Ddb1	MmuEX0013992	chr19	10701725	10701979	10702148	10702252	+
Ddb1	MmuEX0013993	chr19	10681483	10682283	10682399	10682741	+
Ddb1	MmuEX0013994	chr19	10682962	10684282	10684317	10685192	+
Ddb2	MmuEX0013995	chr2	91074456	91074972	91075108	91076847	-
Ddb2	MmuEX0013996	chr2	91052169	91052437	91052482	91052607	-
Ddb2	MmuEX0013997	chr2	91057563	91058901	91059046	91074265	-
Ddb2	MmuEX0013998	chr2	91052771	91057464	91057563	91074265	-
Ddb2	MmuEX0013999	chr2	91052771	91057210	91057387	91074265	-
Ddb2	MmuEX0014000	chr2	91052771	91056823	91056955	91074265	-
Ddc	MmuEX0014001	chr11	11719395	11722198	11722296	11724852	-
Ddc	MmuEX0014002	chr11	11773256	11776248	11776361	11780445	-
Ddhd1	MmuEX0014003	chr14	46233944	46236205	46236311	46238944	-
Ddhd1	MmuEX0014004	chr14	46228688	46230167	46230429	46233838	-
Ddhd1	MmuEX0014005	chr14	46224877	46228613	46228688	46230167	-
Ddhd1	MmuEX0014006	chr14	46221431	46222314	46222566	46224728	-
Ddhd1	MmuEX0014007	chr14	46249428	46249954	46250082	46276897	-
Ddhd1	MmuEX0014008	chr14	46215339	46218777	46218860	46221240	-
Ddhd1	MmuEX0014009	chr14	46240515	46249255	46249428	46276897	-
Ddhd1	MmuEX0014010	chr14	46240515	46248529	46248549	46249255	-
Ddhd1	MmuEX0014011	chr14	46240515	46244024	46244055	46248529	-
Ddhd1	MmuEX0014012	chr14	46240515	46242516	46242568	46249255	-

Ddhd2	MmuEX0014013	chr8	26857425	26857958	26858107	26859010	-
Ddhd2	MmuEX0014014	chr8	26851826	26852073	26852281	26857290	-
Ddhd2	MmuEX0014015	chr8	26845583	26845665	26845758	26846217	-
Ddhd2	MmuEX0014016	chr8	26843594	26844050	26844202	26845188	-
Ddhd2	MmuEX0014017	chr8	26845358	26845481	26845583	26846217	-
Ddhd2	MmuEX0014018	chr8	26843594	26845188	26845358	26845481	-
Ddhd2	MmuEX0014019	chr8	26838209	26843435	26843594	26845188	-
Ddhd2	MmuEX0014020	chr8	26852281	26857290	26857425	26859010	-
Ddhd2	MmuEX0014021	chr8	26850057	26851759	26851826	26852073	-
Ddhd2	MmuEX0014022	chr8	26846562	26848687	26848779	26849935	-
Ddhd2	MmuEX0014023	chr8	26845583	26846217	26846372	26846479	-
Ddi2	MmuEX0014024	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ddi2	MmuEX0014025	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ddi2	MmuEX0014026	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ddi2	MmuEX0014027	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ddi2	MmuEX0014028	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ddi2	MmuEX0014029	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ddit3	MmuEX0014030	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ddit3	MmuEX0014031	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ddo	MmuEX0014032	chr10	40351586	40352744	40352852	40357151	+
Ddr1	MmuEX0014033	chr17	35822495	35823063	35823136	35823426	-
Ddr1	MmuEX0014034	chr17	35822495	35823426	35823536	35824090	-
Ddr1	MmuEX0014035	chr17	35827125	35828073	35828175	35828392	-
Ddr2	MmuEX0014036	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Ddr2	MmuEX0014037	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Ddr2	MmuEX0014038	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Ddr2	MmuEX0014039	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Ddrgk1	MmuEX0014040	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ddrgk1	MmuEX0014041	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ddx1	MmuEX0014042	chr12	13244611	13245912	13245984	13246297	-
Ddx10	MmuEX0014043	chr9	53017881	53021341	53021442	53031765	-
Ddx11	MmuEX0014049	chr17	66497080	66497332	66497435	66497994	+
Ddx11	MmuEX0014055	chr17	66499749	66499914	66500068	66500143	+
Ddx17	MmuEX0014056	chr15	79363640	79364761	79364920	79366387	-
Ddx17	MmuEX0014057	chr15	79362344	79363405	79363640	79366387	-
Ddx17	MmuEX0014058	chr15	79360947	79362102	79362344	79366387	-
Ddx17	MmuEX0014059	chr15	79369161	79369248	79369408	79369749	-
Ddx17	MmuEX0014060	chr15	79371597	79372917	79373016	79374136	-
Ddx19a	MmuEX0014061	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ddx19a	MmuEX0014062	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ddx19a	MmuEX0014063	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ddx19b	MmuEX0014064	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ddx20	MmuEX0014065	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ddx20	MmuEX0014066	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ddx20	MmuEX0014067	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ddx20	MmuEX0014068	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ddx20	MmuEX0014069	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-

Ddx21	MmuEX0014070	chr10	62054750	62055758	62055875	62056710	-
Ddx21	MmuEX0014071	chr10	62048432	62050212	62050285	62050752	-
Ddx26b	MmuEX0014072	chrX	53734631	53736956	53737119	53738416	+
Ddx26b	MmuEX0014073	chrX	53751161	53752745	53752887	53754838	+
Ddx26b	MmuEX0014074	chrX	53733837	53734067	53734250	53736956	+
Ddx26b	MmuEX0014075	chrX	53734250	53734503	53734631	53736956	+
Ddx26b	MmuEX0014076	chrX	53746310	53747310	53747420	53749693	+
Ddx26b	MmuEX0014077	chrX	53746310	53749693	53749911	53751038	+
Ddx27	MmuEX0014078	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Ddx27	MmuEX0014079	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Ddx27	MmuEX0014080	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Ddx27	MmuEX0014081	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Ddx31	MmuEX0014082	chr2	28716412	28719236	28719295	28729651	+
Ddx31	MmuEX0014083	chr2	28696380	28700358	28700614	28700718	+
Ddx31	MmuEX0014085	chr2	28701557	28702961	28703031	28703806	+
Ddx31	MmuEX0014086	chr2	28742522	28747899	28748061	28760109	+
Ddx31	MmuEX0014087	chr2	28703870	28710291	28710335	28716236	+
Ddx31	MmuEX0014088	chr2	28703870	28711715	28711756	28716236	+
Ddx31	MmuEX0014089	chr2	28703870	28712640	28712704	28714256	+
Ddx31	MmuEX0014090	chr2	28703870	28714256	28714375	28716236	+
Ddx31	MmuEX0014091	chr2	28703870	28714508	28714614	28716236	+
Ddx31	MmuEX0014092	chr2	28714614	28714892	28714992	28715389	+
Ddx31	MmuEX0014093	chr2	28703870	28715389	28715597	28716236	+
Ddx39	MmuEX0014094	chr8	86245039	86245365	86245423	86245633	+
Ddx39b	MmuEX0014095	chr17	35386014	35386519	35386754	35388192	+
Ddx3x	MmuEX0014096	chrX	12863292	12864351	12864509	12864590	+
Ddx3y	MmuEX0014097	chrY	620825	620944	621116	622922	-
Ddx3y	MmuEX0014098	chrY	616882	619344	619391	620765	-
Ddx3y	MmuEX0014099	chrY	616021	616753	616882	619344	-
Ddx41	MmuEX0014103	chr13	55633045	55633193	55633289	55633399	-
Ddx41	MmuEX0014104	chr13	55632810	55632896	55633045	55633193	-
Ddx41	MmuEX0014105	chr13	55635677	55635777	55635849	55636650	-
Ddx42	MmuEX0014106	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ddx42	MmuEX0014107	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ddx42	MmuEX0014108	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ddx42	MmuEX0014109	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ddx46	MmuEX0014118	chr13	55760459	55760909	55760956	55762078	+
Ddx46	MmuEX0014119	chr13	55760459	55761714	55761830	55762078	+
Ddx46	MmuEX0014120	chr13	55764744	55765140	55765302	55767548	+
Ddx46	MmuEX0014121	chr13	55739575	55741152	55741295	55746732	+
Ddx46	MmuEX0014122	chr13	55775475	55776765	55776767	55777257	+
Ddx47	MmuEX0014123	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Ddx47	MmuEX0014124	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Ddx49	MmuEX0014125	chr8	72820942	72821030	72821217	72821775	-
Ddx49	MmuEX0014126	chr8	72819550	72820282	72820357	72820802	-
Ddx49	MmuEX0014127	chr8	72822065	72824878	72824930	72826222	-
Ddx49	MmuEX0014128	chr8	72821896	72821980	72822065	72824878	-

Ddx50	MmuEX0014130	chr10	62100640	62102609	62102754	62103195	-
Ddx50	MmuEX0014132	chr10	62089030	62095828	62095962	62096725	-
Ddx50	MmuEX0014133	chr10	62089030	62090269	62090430	62096725	-
Ddx50	MmuEX0014134	chr10	62109949	62110282	62110391	62113773	-
Ddx50	MmuEX0014135	chr10	62106120	62109662	62109949	62113773	-
Ddx51	MmuEX0014136	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ddx51	MmuEX0014137	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ddx51	MmuEX0014138	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ddx51	MmuEX0014139	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ddx51	MmuEX0014140	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Ddx52	MmuEX0014141	chr11	83762090	83763085	83763196	83764792	+
Ddx54	MmuEX0014142	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Ddx55	MmuEX0014143	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ddx55	MmuEX0014144	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ddx55	MmuEX0014145	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ddx55	MmuEX0014146	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ddx55	MmuEX0014147	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ddx58	MmuEX0014148	chr4	40167536	40169068	40169230	40170831	-
Ddx58	MmuEX0014149	chr4	40163523	40164363	40164520	40167432	-
Ddx58	MmuEX0014150	chr4	40158673	40160764	40160912	40163388	-
Ddx58	MmuEX0014151	chr4	40173752	40174999	40175146	40176528	-
Ddx59	MmuEX0014152	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Ddx59	MmuEX0014153	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Ddx59	MmuEX0014154	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Ddx59	MmuEX0014155	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Ddx59	MmuEX0014156	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Ddx6	MmuEX0014157	chr9	44413231	44415031	44415120	44415206	+
Ddx60	MmuEX0014167	chr8	64502094	64503646	64503788	64512172	+
Ddx60	MmuEX0014168	chr8	64503788	64512172	64512323	64513839	+
Deaf1	MmuEX0014174	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Deaf1	MmuEX0014176	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Deaf1	MmuEX0014177	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Deaf1	MmuEX0014178	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Deaf1	MmuEX0014179	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Deaf1	MmuEX0014180	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Deaf1	MmuEX0014181	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Decr1	MmuEX0014182	chr4	15860242	15871610	15871750	15872430	-
Decr2	MmuEX0014183	chr17	26221080	26224269	26224404	26224967	-
Decr2	MmuEX0014184	chr17	26220038	26220521	26220625	26220790	-
Decr2	MmuEX0014185	chr17	26220883	26220956	26221080	26224269	-
Decr2	MmuEX0014186	chr17	26224404	26225874	26225942	26226909	-
Decr2	MmuEX0014187	chr17	26224404	26224967	26225018	26225874	-
Dedd	MmuEX0014188	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
Dedd2	MmuEX0014189	chr7	25988950	25990827	25990908	25996168	-
Dedd2	MmuEX0014190	chr7	26002686	26003820	26004050	26004783	-
Def6	MmuEX0014191	chr17	28356926	28357022	28357168	28360617	+
Def8	MmuEX0014192	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+

Def8	MmuEX0014193	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Def8	MmuEX0014194	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Def8	MmuEX0014195	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Def8	MmuEX0014196	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Dek	MmuEX0014199	chr13	47197100	47197341	47197442	47200940	-
Dek	MmuEX0014200	chr13	47181448	47181794	47181862	47183394	-
Dek	MmuEX0014201	chr13	47195636	47196991	47197100	47197341	-
Dek	MmuEX0014202	chr13	47183984	47188487	47188582	47193523	-
Dennd1a	MmuEX0014203	chr2	37982168	37989849	37989963	37992446	-
Dennd1a	MmuEX0014204	chr2	37904314	37972125	37972279	37982049	-
Dennd1a	MmuEX0014205	chr2	37817262	37828252	37828415	37838580	-
Dennd1a	MmuEX0014206	chr2	37992495	38015327	38015370	38098922	-
Dennd1a	MmuEX0014207	chr2	37672524	37678069	37678125	37700297	-
Dennd1a	MmuEX0014208	chr2	37992495	37993993	37994057	38015327	-
Dennd1a	MmuEX0014209	chr2	37707972	37708056	37708067	37709513	-
Dennd1a	MmuEX0014210	chr2	37792264	37792548	37792562	37817161	-
Dennd1a	MmuEX0014211	chr2	37657793	37660592	37660720	37672436	-
Dennd1a	MmuEX0014212	chr2	37700428	37713538	37713625	37792135	-
Dennd1a	MmuEX0014213	chr2	38015370	38098922	38098992	38142633	-
Dennd1a	MmuEX0014214	chr2	37838625	37858894	37858994	37876876	-
Dennd1a	MmuEX0014215	chr2	37817262	37838580	37838625	37858894	-
Dennd1a	MmuEX0014216	chr2	37792264	37817161	37817262	37838580	-
Dennd1a	MmuEX0014217	chr2	38015370	38031748	38031839	38098922	-
Dennd1a	MmuEX0014218	chr2	37982168	37992446	37992495	38015327	-
Dennd1a	MmuEX0014219	chr2	37904314	37982049	37982168	37992446	-
Dennd1a	MmuEX0014220	chr2	37894725	37898859	37898939	37904245	-
Dennd1a	MmuEX0014221	chr2	37876986	37894672	37894725	37898859	-
Dennd1a	MmuEX0014222	chr2	37858994	37876876	37876986	37894672	-
Dennd1b	MmuEX0014223	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014224	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014225	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014226	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014227	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014228	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014229	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014230	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014231	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014232	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014233	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014234	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014235	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014236	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1b	MmuEX0014237	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Dennd1c	MmuEX0014239	chr17	57210446	57210995	57211120	57211211	-
Dennd1c	MmuEX0014241	chr17	57210083	57210342	57210446	57210995	-
Dennd1c	MmuEX0014244	chr17	57207123	57207212	57207256	57209536	-
Dennd2a	MmuEX0014245	chr6	39443185	39444653	39444703	39445176	-

Dennd2a	MmuEX0014246	chr6	39433152	39435558	39435635	39437819	-
Dennd2a	MmuEX0014248	chr6	39414297	39415050	39415289	39415583	-
Dennd2a	MmuEX0014249	chr6	39456821	39458241	39458368	39472655	-
Dennd2a	MmuEX0014250	chr6	39430348	39433012	39433152	39435558	-
Dennd2a	MmuEX0014253	chr6	39447173	39456700	39456821	39458241	-
Dennd2a	MmuEX0014254	chr6	39445269	39446973	39447170	39456700	-
Dennd3	MmuEX0014263	chr15	73371278	73373150	73373246	73374788	+
Dennd3	MmuEX0014264	chr15	73386948	73387248	73387391	73388012	+
Dennd3	MmuEX0014265	chr15	73386948	73388012	73388141	73392755	+
Dennd3	MmuEX0014266	chr15	73354702	73358346	73358457	73363249	+
Dennd3	MmuEX0014267	chr15	73397596	73398416	73398543	73398852	+
Dennd4a	MmuEX0014268	chr9	64705540	64707106	64707164	64709710	+
Dennd4a	MmuEX0014269	chr9	64719853	64720801	64720946	64734664	+
Dennd4a	MmuEX0014270	chr9	64736933	64737023	64737151	64737397	+
Dennd4a	MmuEX0014271	chr9	64737538	64741093	64741209	64742205	+
Dennd4a	MmuEX0014272	chr9	64745237	64746706	64746866	64751957	+
Dennd4a	MmuEX0014273	chr9	64760323	64760483	64760547	64764766	+
Dennd4a	MmuEX0014274	chr9	64734797	64736293	64736428	64736727	+
Dennd4a	MmuEX0014275	chr9	64683159	64683315	64683393	64683761	+
Dennd4a	MmuEX0014276	chr9	64683159	64683761	64683888	64686620	+
Dennd4a	MmuEX0014277	chr9	64683888	64686620	64686951	64690247	+
Dennd4a	MmuEX0014278	chr9	64686951	64690247	64690496	64696933	+
Dennd4b	MmuEX0014279	chr3	90074926	90075056	90075156	90075489	+
Dennd4b	MmuEX0014280	chr3	90075156	90075489	90075704	90076178	+
Dennd4b	MmuEX0014281	chr3	90081190	90081343	90081465	90081657	+
Dennd4b	MmuEX0014282	chr3	90081465	90081657	90081826	90081910	+
Dennd4c	MmuEX0014283	chr4	86437375	86440658	86440723	86441026	+
Dennd4c	MmuEX0014284	chr4	86459832	86460508	86460588	86465766	+
Dennd4c	MmuEX0014285	chr4	86459832	86465766	86465885	86467231	+
Dennd4c	MmuEX0014286	chr4	86425808	86427446	86427615	86431952	+
Dennd4c	MmuEX0014287	chr4	86394816	86420142	86420463	86423617	+
Dennd4c	MmuEX0014288	chr4	86427615	86431952	86432190	86434729	+
Dennd4c	MmuEX0014289	chr4	86474052	86474824	86474933	86475395	+
Dennd4c	MmuEX0014290	chr4	86458357	86459297	86459441	86465766	+
Dennd4c	MmuEX0014291	chr4	86459441	86459686	86459832	86465766	+
Dennd5a	MmuEX0014292	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Dennd5a	MmuEX0014293	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Dennd5a	MmuEX0014294	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Dennd5a	MmuEX0014295	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Dennd5b	MmuEX0014297	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014298	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014299	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014300	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014301	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014302	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014304	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Dennd5b	MmuEX0014305	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-

Dennd5b	MmuEX0014306	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Denr	MmuEX0014307	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Denr	MmuEX0014308	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Denr	MmuEX0014309	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Denr	MmuEX0014310	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Depdc5	MmuEX0014316	chr5	33219802	33221277	33221326	33229628	+
Depdc5	MmuEX0014317	chr5	33206961	33207226	33207348	33210623	+
Depdc5	MmuEX0014318	chr5	33276664	33280197	33280353	33280794	+
Depdc5	MmuEX0014319	chr5	33287791	33289283	33289416	33298502	+
Depdc5	MmuEX0014320	chr5	33207348	33210623	33210710	33211470	+
Depdc5	MmuEX0014321	chr5	33289416	33290522	33290663	33298502	+
Depdc5	MmuEX0014322	chr5	33210710	33211470	33211516	33217931	+
Depdc5	MmuEX0014323	chr5	33206470	33206807	33206961	33207226	+
Depdc5	MmuEX0014324	chr5	33280954	33285881	33285998	33286620	+
Depdc5	MmuEX0014325	chr5	33311420	33316466	33316574	33317966	+
Depdc5	MmuEX0014326	chr5	33221326	33229628	33229697	33236024	+
Depdc5	MmuEX0014327	chr5	33221326	33236024	33236102	33238529	+
Depdc5	MmuEX0014328	chr5	33289416	33298505	33298607	33307281	+
Depdc5	MmuEX0014329	chr5	33298607	33301930	33301995	33307281	+
Depdc5	MmuEX0014330	chr5	33301995	33307106	33307150	33307281	+
Depdc5	MmuEX0014331	chr5	33270588	33276599	33276664	33280170	+
Depdc5	MmuEX0014332	chr5	33322203	33326508	33326679	33329585	+
Depdc5	MmuEX0014333	chr5	33326679	33329585	33329645	33333391	+
Depdc5	MmuEX0014334	chr5	33329645	33333391	33333473	33333588	+
Depdc7	MmuEX0014336	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Dera	MmuEX0014342	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014343	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014344	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014345	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014346	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014347	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014348	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dera	MmuEX0014349	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Det1	MmuEX0014353	chr7	85979188	85980069	85980248	85984891	-
Det1	MmuEX0014354	chr7	85968146	85978997	85979188	85984891	-
Det1	MmuEX0014355	chr7	85968146	85972655	85972998	85978997	-
Dexi	MmuEX0014356	chr16	10536437	10540920	10541069	10542365	-
Dexi	MmuEX0014357	chr16	10533028	10536307	10536437	10542365	-
Dffb	MmuEX0014358	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Dffb	MmuEX0014359	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Dffb	MmuEX0014360	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Dgat1	MmuEX0014365	chr15	76337083	76341307	76341427	76341985	-
Dgat1	MmuEX0014366	chr15	76335136	76336996	76337083	76341985	-
Dgat1	MmuEX0014367	chr15	76333745	76333820	76333858	76333948	-
Dgat1	MmuEX0014368	chr15	76333628	76333704	76333745	76333820	-
Dgat1	MmuEX0014369	chr15	76333314	76333389	76333501	76333584	-
Dgat1	MmuEX0014370	chr15	76333161	76333249	76333314	76333389	-

Dgat1	MmuEX0014371	chr15	76334402	76334545	76334799	76336996	-
Dgat1	MmuEX0014372	chr15	76335001	76335096	76335136	76336996	-
Dgat1	MmuEX0014373	chr15	76334831	76334916	76335001	76335096	-
Dgat1	MmuEX0014374	chr15	76334650	76334779	76334831	76334916	-
Dgat2	MmuEX0014375	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dgat2	MmuEX0014376	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dgat2	MmuEX0014377	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dgcr2	MmuEX0014378	chr16	17842870	17845076	17845228	17849684	-
Dgcr2	MmuEX0014379	chr16	17842870	17844065	17844301	17845076	-
Dgcr6	MmuEX0014382	chr16	18065277	18066038	18066692	18066789	+
Dgcr8	MmuEX0014383	chr16	18260072	18269681	18269743	18272814	-
Dgcr8	MmuEX0014384	chr16	18278233	18278412	18278609	18280313	-
Dgcr8	MmuEX0014385	chr16	18272896	18277014	18277055	18277259	-
Dgcr8	MmuEX0014386	chr16	18259748	18259972	18260072	18272814	-
Dgcr8	MmuEX0014387	chr16	18272896	18277259	18277357	18278132	-
Dgcr8	MmuEX0014388	chr16	18284789	18285194	18285401	18289196	-
Dgka	MmuEX0014389	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014390	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014391	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014392	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014393	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014394	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014395	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014396	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014397	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgka	MmuEX0014398	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Dgkd	MmuEX0014400	chr1	89830777	89830969	89831076	89831913	+
Dgkd	MmuEX0014401	chr1	89778514	89811675	89811779	89812067	+
Dgkd	MmuEX0014402	chr1	89836881	89837944	89838074	89838958	+
Dgkd	MmuEX0014403	chr1	89777053	89778434	89778514	89811675	+
Dgkd	MmuEX0014404	chr1	89822547	89822626	89822899	89823441	+
Dgkd	MmuEX0014405	chr1	89831076	89831913	89832026	89832859	+
Dgkd	MmuEX0014406	chr1	89818256	89820647	89820786	89822269	+
Dgkd	MmuEX0014407	chr1	89820786	89821055	89821139	89822269	+
Dgke	MmuEX0014408	chr11	88910316	88911163	88911214	88911633	-
Dgke	MmuEX0014409	chr11	88902873	88903476	88903599	88905554	-
Dgkh	MmuEX0014418	chr14	78981378	78984182	78984287	78985400	-
Dgkh	MmuEX0014421	chr14	78969964	78975694	78975819	78977256	-
Dgkh	MmuEX0014422	chr14	78978615	78981286	78981378	78984182	-
Dgkq	MmuEX0014444	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Dgkq	MmuEX0014445	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Dgkq	MmuEX0014448	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Dgkq	MmuEX0014449	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Dgkq	MmuEX0014451	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Dgkq	MmuEX0014452	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Dgkz	MmuEX0014453	chr2	91782841	91784179	91784256	91784531	-
Dgkz	MmuEX0014454	chr2	91781031	91781122	91781193	91782447	-

Dgkz	MmuEX0014455	chr2	91777794	91778125	91778236	91778319	-
Dgkz	MmuEX0014456	chr2	91777311	91777595	91777794	91778125	-
Dgkz	MmuEX0014457	chr2	91784626	91784918	91785026	91803443	-
Dgkz	MmuEX0014458	chr2	91785623	91785983	91786081	91803443	-
Dgkz	MmuEX0014459	chr2	91779821	91779910	91779970	91780067	-
Dguok	MmuEX0014460	chr6	83440602	83443481	83443587	83446680	-
Dguok	MmuEX0014461	chr6	83431456	83436978	83437125	83440415	-
Dguok	MmuEX0014462	chr6	83440602	83446680	83446792	83456742	-
Dguok	MmuEX0014463	chr6	83431456	83431772	83431832	83436978	-
Dguok	MmuEX0014464	chr6	83430430	83431341	83431456	83436978	-
Dguok	MmuEX0014465	chr6	83430430	83430837	83430936	83431341	-
Dhcr7	MmuEX0014466	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dhcr7	MmuEX0014469	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dhcr7	MmuEX0014470	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dhdds	MmuEX0014471	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Dhdds	MmuEX0014472	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Dhdds	MmuEX0014473	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Dhdds	MmuEX0014474	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Dhdds	MmuEX0014475	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Dhdh	MmuEX0014476	chr7	52742274	52743430	52743541	52744044	-
Dhdh	MmuEX0014477	chr7	52737411	52737942	52738070	52742111	-
Dhdh	MmuEX0014478	chr7	52730745	52730975	52731122	52734379	-
Dhdh	MmuEX0014479	chr7	52734503	52742111	52742274	52743430	-
Dhdh	MmuEX0014480	chr7	52734503	52737159	52737411	52742111	-
Dhfr	MmuEX0014481	chr13	93125299	93125605	93125654	93127882	+
Dhfr	MmuEX0014482	chr13	93138255	93151159	93151278	93154680	+
Dhfr	MmuEX0014483	chr13	93135746	93138140	93138255	93154680	+
Dhodh	MmuEX0014484	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhodh	MmuEX0014485	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhodh	MmuEX0014486	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhodh	MmuEX0014487	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhodh	MmuEX0014488	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhodh	MmuEX0014489	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhodh	MmuEX0014490	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhps	MmuEX0014491	chr8	87597666	87598111	87598216	87598292	+
Dhps	MmuEX0014492	chr8	87598216	87598292	87598395	87598633	+
Dhps	MmuEX0014493	chr8	87596515	87597194	87597315	87597580	+
Dhps	MmuEX0014494	chr8	87596515	87597402	87597498	87597580	+
Dhrs11	MmuEX0014495	chr11	84635259	84635813	84635942	84636574	-
Dhrs11	MmuEX0014496	chr11	84636668	84638870	84639023	84642253	-
Dhrs13	MmuEX0014497	chr11	77846205	77846878	77847031	77847515	+
Dhrs13	MmuEX0014498	chr11	77846205	77847515	77847638	77850364	+
Dhrs13	MmuEX0014499	chr11	77847638	77847777	77848088	77850364	+
Dhrs3	MmuEX0014500	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Dhrs3	MmuEX0014501	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Dhrs3	MmuEX0014502	chr4	1.44E+08	1.44E+08	1.44E+08	1.45E+08	+
Dhrs3	MmuEX0014503	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+

Dhrs4	MmuEX0014504	chr14	56099040	56104954	56105055	56105930	+
Dhrs4	MmuEX0014505	chr14	56099040	56105930	56106000	56106097	+
Dhrs4	MmuEX0014506	chr14	56099040	56106097	56106148	56106421	+
Dhrs7	MmuEX0014507	chr12	73758421	73760331	73760483	73765616	-
Dhrs7	MmuEX0014508	chr12	73757526	73758315	73758421	73760331	-
Dhrs7b	MmuEX0014509	chr11	60651431	60655433	60655480	60657667	+
Dhrs7b	MmuEX0014510	chr11	60662706	60664833	60664942	60665244	+
Dhrs7b	MmuEX0014511	chr11	60665460	60665921	60666013	60669202	+
Dhrs7b	MmuEX0014512	chr11	60666013	60669202	60669354	60671220	+
Dhrsx	MmuEX0014514	NT_166291	16407	31059	31127	31370	+
Dhrsx	MmuEX0014515	NT_166291	16407	30699	30806	31059	+
Dhrsx	MmuEX0014516	NT_166291	31127	31370	31471	34138	+
Dhrsx	MmuEX0014517	NT_166291	34345	34624	34831	35233	+
Dhx15	MmuEX0014529	chr5	52548816	52551469	52551660	52552132	-
Dhx16	MmuEX0014530	chr17	36026545	36027860	36028033	36029364	+
Dhx16	MmuEX0014531	chr17	36019993	36020078	36020269	36020760	+
Dhx29	MmuEX0014532	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Dhx29	MmuEX0014533	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Dhx29	MmuEX0014534	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Dhx29	MmuEX0014535	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Dhx29	MmuEX0014536	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Dhx29	MmuEX0014537	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Dhx30	MmuEX0014538	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014539	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014540	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014541	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014542	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014543	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014544	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014545	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014546	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014547	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx30	MmuEX0014548	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Dhx32	MmuEX0014549	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dhx32	MmuEX0014550	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dhx32	MmuEX0014551	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dhx33	MmuEX0014552	chr11	70800929	70802569	70802655	70805610	-
Dhx33	MmuEX0014553	chr11	70807518	70808641	70808752	70809390	-
Dhx33	MmuEX0014554	chr11	70805813	70807112	70807200	70807359	-
Dhx33	MmuEX0014555	chr11	70805813	70806161	70806288	70807359	-
Dhx33	MmuEX0014556	chr11	70813450	70815021	70815181	70817619	-
Dhx34	MmuEX0014558	chr7	16784370	16785024	16785308	16787279	-
Dhx34	MmuEX0014559	chr7	16787385	16788521	16788623	16788923	-
Dhx34	MmuEX0014560	chr7	16791530	16795863	16796037	16798158	-
Dhx35	MmuEX0014561	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014562	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014563	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+

Dhx35	MmuEX0014564	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014565	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014566	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014567	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014568	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014569	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014570	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014571	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014572	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014573	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014574	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014575	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014576	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014577	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014578	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014579	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014580	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx35	MmuEX0014581	chr2	1.59E+08	1.59E+08	1.59E+08	1.59E+08	+
Dhx36	MmuEX0014582	chr3	62290987	62292052	62292139	62292467	-
Dhx36	MmuEX0014583	chr3	62288941	62290932	62290987	62292052	-
Dhx36	MmuEX0014584	chr3	62276740	62276852	62276951	62279192	-
Dhx36	MmuEX0014585	chr3	62283340	62284724	62284841	62288053	-
Dhx36	MmuEX0014586	chr3	62288196	62288877	62288941	62290932	-
Dhx37	MmuEX0014587	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014588	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014589	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014590	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014591	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014592	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014593	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014594	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx37	MmuEX0014595	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Dhx38	MmuEX0014596	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhx38	MmuEX0014597	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhx38	MmuEX0014598	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhx38	MmuEX0014599	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Dhx40	MmuEX0014600	chr11	86583763	86584532	86584760	86585396	-
Dhx40	MmuEX0014601	chr11	86614590	86617759	86617904	86619962	-
Dhx40	MmuEX0014602	chr11	86603074	86606664	86606763	86611125	-
Dhx40	MmuEX0014603	chr11	86599339	86602669	86602851	86602988	-
Dhx57	MmuEX0014604	chr17	80659770	80663288	80663342	80664261	-
Dhx57	MmuEX0014605	chr17	80654988	80657414	80657530	80659562	-
Dhx57	MmuEX0014606	chr17	80652627	80653255	80653438	80653605	-
Dhx57	MmuEX0014607	chr17	80649455	80649737	80649795	80650572	-
Dhx57	MmuEX0014608	chr17	80645149	80646449	80646523	80647611	-
Dhx57	MmuEX0014609	chr17	80675375	80677183	80677320	80677563	-
Dhx57	MmuEX0014610	chr17	80647745	80649193	80649276	80649360	-

Dhx57	MmuEX0014611	chr17	80666979	80668092	80668287	80669707	-
Dhx57	MmuEX0014612	chr17	80664549	80666855	80666979	80668092	-
Dhx57	MmuEX0014613	chr17	80677721	80680260	80680424	80680536	-
Dhx57	MmuEX0014614	chr17	80675375	80677582	80677721	80680536	-
Dhx57	MmuEX0014615	chr17	80672450	80674104	80674942	80675190	-
Dhx58	MmuEX0014616	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Dhx58	MmuEX0014617	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Dhx58	MmuEX0014618	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Dhx8	MmuEX0014620	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Dhx8	MmuEX0014621	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Dhx8	MmuEX0014622	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Dhx8	MmuEX0014623	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Dhx9	MmuEX0014624	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Dhx9	MmuEX0014625	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Dhx9	MmuEX0014626	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Dhx9	MmuEX0014627	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Dhx9	MmuEX0014628	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Diablo	MmuEX0014629	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Diablo	MmuEX0014630	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Diablo	MmuEX0014631	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Diablo	MmuEX0014632	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Diap1	MmuEX0014633	chr18	38005152	38007600	38007658	38011205	-
Diap1	MmuEX0014634	chr18	38020167	38048869	38048877	38049352	-
Diap1	MmuEX0014635	chr18	38066068	38070823	38070925	38094856	-
Diap1	MmuEX0014636	chr18	38064813	38066042	38066068	38094856	-
Diap2	MmuEX0014637	chrX	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Diap2	MmuEX0014638	chrX	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Diap2	MmuEX0014639	chrX	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Diap2	MmuEX0014640	chrX	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Diap2	MmuEX0014641	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014642	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014643	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014644	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014645	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014646	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014647	chrX	1.26E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014648	chrX	1.26E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014649	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014650	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014651	chrX	1.26E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014652	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014653	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014654	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014655	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014656	chrX	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Diap2	MmuEX0014657	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014658	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+

Diap2	MmuEX0014659	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Diap2	MmuEX0014660	chrX	1.26E+08	1.26E+08	1.26E+08	1.27E+08	+
Dicer1	MmuEX0014672	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014673	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014674	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014675	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014676	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014677	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014678	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014679	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014680	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014681	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dicer1	MmuEX0014682	chr12	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dido1	MmuEX0014683	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Dido1	MmuEX0014684	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Dido1	MmuEX0014685	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Dido1	MmuEX0014686	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Dido1	MmuEX0014687	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Dip2a	MmuEX0014690	chr10	75784351	75790447	75790518	75807852	-
Dip2a	MmuEX0014691	chr10	75759162	75760500	75760602	75760998	-
Dip2a	MmuEX0014692	chr10	75750194	75753753	75753892	75755057	-
Dip2a	MmuEX0014693	chr10	75748398	75749107	75749187	75750058	-
Dip2a	MmuEX0014694	chr10	75739450	75741233	75741356	75742451	-
Dip2a	MmuEX0014695	chr10	75739185	75739329	75739450	75741233	-
Dip2a	MmuEX0014696	chr10	75729236	75731237	75731311	75732849	-
Dip2a	MmuEX0014697	chr10	75728366	75729062	75729236	75731237	-
Dip2a	MmuEX0014698	chr10	75733202	75734121	75734150	75735278	-
Dip2a	MmuEX0014699	chr10	75758905	75759098	75759162	75760500	-
Dip2a	MmuEX0014700	chr10	75776049	75780612	75780839	75782212	-
Dip2a	MmuEX0014701	chr10	75782331	75784235	75784351	75790447	-
Dip2b	MmuEX0014702	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014703	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014704	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014705	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014706	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014707	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014708	chr15	99946347	99962333	99962458	99972453	+
Dip2b	MmuEX0014709	chr15	1E+08	1E+08	1E+08	1E+08	+
Dip2b	MmuEX0014710	chr15	99972578	99981582	99981794	99984588	+
Dip2c	MmuEX0014711	chr13	9276312	9492351	9492422	9505825	+
Dip2c	MmuEX0014712	chr13	9492422	9505825	9505935	9532498	+
Dip2c	MmuEX0014713	chr13	9567656	9567837	9567939	9570296	+
Dip2c	MmuEX0014714	chr13	9570360	9574380	9574473	9574608	+
Dip2c	MmuEX0014715	chr13	9603871	9605569	9605777	9608190	+
Dip2c	MmuEX0014716	chr13	9605777	9608190	9608304	9609943	+
Dip2c	MmuEX0014717	chr13	9634136	9636341	9636511	9646225	+
Dip2c	MmuEX0014718	chr13	9636511	9644714	9644743	9646225	+

Dip2c	MmuEX0014719	chr13	9532623	9535902	9536111	9549430	+
Dip2c	MmuEX0014720	chr13	9560008	9562360	9562470	9567077	+
Dip2c	MmuEX0014721	chr13	9492422	9494080	9494247	9505825	+
Dirc2	MmuEX0014723	chr16	35698106	35704840	35705022	35719398	-
Dirc2	MmuEX0014724	chr16	35719525	35722839	35722906	35730372	-
Dis3	MmuEX0014725	chr14	99488127	99488837	99488974	99489184	-
Dis3	MmuEX0014726	chr14	99483373	99485093	99485177	99485266	-
Dis3	MmuEX0014727	chr14	99498059	99498338	99498405	99498665	-
Dis3	MmuEX0014728	chr14	99496049	99496804	99496997	99497902	-
Dis3l	MmuEX0014729	chr9	64162607	64165495	64165656	64166890	-
Dis3l	MmuEX0014730	chr9	64158403	64159253	64159786	64161741	-
Dis3l	MmuEX0014731	chr9	64178722	64183620	64183791	64184212	-
Dis3l	MmuEX0014732	chr9	64156232	64157974	64158152	64158249	-
Dis3l	MmuEX0014733	chr9	64159786	64161741	64161833	64162360	-
Dis3l	MmuEX0014734	chr9	64177375	64178594	64178722	64187286	-
Dis3l2	MmuEX0014735	chr1	88718025	88727461	88727518	88750935	+
Dis3l2	MmuEX0014736	chr1	88688032	88717797	88718025	88750935	+
Dis3l2	MmuEX0014737	chr1	88718025	88750935	88751035	88753702	+
Dis3l2	MmuEX0014738	chr1	88827408	88856318	88856430	88869975	+
Dis3l2	MmuEX0014739	chr1	88886900	88917613	88917692	88940592	+
Dis3l2	MmuEX0014740	chr1	88641403	88641916	88642073	88650802	+
Dis3l2	MmuEX0014742	chr1	88656964	88687991	88688032	88717797	+
Dis3l2	MmuEX0014743	chr1	88656964	88663705	88663811	88687991	+
Dis3l2	MmuEX0014744	chr1	88856430	88869975	88870082	88886667	+
Dis3l2	MmuEX0014745	chr1	88870082	88886667	88886797	88917613	+
Disp1	MmuEX0014749	NT_165754	137600	165882	165969	185132	-
Disp1	MmuEX0014750	NT_165754	97527	137473	137600	165882	-
Disp1	MmuEX0014751	NT_165754	69057	97006	97527	137473	-
Disp1	MmuEX0014752	NT_165754	60957	61827	61950	69028	-
Disp1	MmuEX0014753	NT_165754	60559	60830	60957	61827	-
Disp1	MmuEX0014754	NT_165754	58251	60462	60559	60830	-
Dkc1	MmuEX0014762	chrX	72341466	72341972	72342053	72342173	+
Dkc1	MmuEX0014763	chrX	72344286	72345369	72345433	72345772	+
Dlat	MmuEX0014767	chr9	50446188	50448329	50448444	50452131	-
Dlat	MmuEX0014768	chr9	50453211	50454075	50454126	50454210	-
Dlat	MmuEX0014769	chr9	50461853	50465950	50466103	50466270	-
Dlc1	MmuEX0014770	chr8	37913349	37920980	37921129	38000614	-
Dlc1	MmuEX0014771	chr8	37656512	37662423	37662494	37676613	-
Dld	MmuEX0014772	chr12	32019648	32020331	32020521	32025145	-
Dleu2	MmuEX0014781	chr14	62254428	62262197	62262292	62300947	-
Dleu2	MmuEX0014782	chr14	62243319	62251274	62251320	62254362	-
Dleu2	MmuEX0014783	chr14	62243319	62244057	62244199	62251274	-
Dlg1	MmuEX0014784	chr16	31771941	31781868	31781921	31788168	+
Dlg1	MmuEX0014785	chr16	31781921	31788168	31788218	31790263	+
Dlg1	MmuEX0014786	chr16	31847019	31853929	31853970	31856527	+
Dlg1	MmuEX0014787	chr16	31853970	31856527	31856577	31857633	+
Dlg1	MmuEX0014788	chr16	31858150	31863259	31863368	31867917	+

Dlg1	MmuEX0014789	chr16	31863368	31867917	31868008	31871761	+
Dlg1	MmuEX0014790	chr16	31684380	31743192	31743356	31771843	+
Dlg1	MmuEX0014791	chr16	31791970	31793590	31793726	31796952	+
Dlg1	MmuEX0014792	chr16	31853970	31854754	31854774	31856527	+
Dlg1	MmuEX0014793	chr16	31856577	31857633	31857734	31857978	+
Dlg1	MmuEX0014794	chr16	31743356	31771843	31771941	31781868	+
Dlg1	MmuEX0014795	chr16	31842925	31846923	31847019	31853929	+
Dlg1	MmuEX0014796	chr16	31842925	31847722	31847755	31853929	+
Dlg4	MmuEX0014814	chr11	69856245	69857160	69857269	69857778	+
Dlg5	MmuEX0014815	chr14	24979559	24983253	24983356	24983620	-
Dlg5	MmuEX0014816	chr14	24977976	24979467	24979559	24983253	-
Dlg5	MmuEX0014817	chr14	24957586	24957830	24957973	24963524	-
Dlg5	MmuEX0014818	chr14	24955900	24956352	24956461	24957459	-
Dlg5	MmuEX0014820	chr14	24997209	25012014	25012176	25021520	-
Dlg5	MmuEX0014821	chr14	25009723	25010370	25010513	25012014	-
Dlg5	MmuEX0014822	chr14	24997209	25009540	25009723	25010370	-
Dll1	MmuEX0014840	chr17	15510914	15511630	15511923	15512151	-
Dlst	MmuEX0014842	chr12	86452481	86456223	86456271	86459309	+
Dlst	MmuEX0014843	chr12	86464821	86466948	86467033	86469261	+
Dlst	MmuEX0014844	chr12	86459787	86460183	86460294	86462937	+
Dlst	MmuEX0014845	chr12	86469391	86470742	86470815	86471410	+
Dlst	MmuEX0014846	chr12	86451909	86452448	86452481	86456223	+
Dmap1	MmuEX0014847	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Dmd	MmuEX0014859	chrX	80872785	80873906	80874037	80909387	+
Dmd	MmuEX0014860	chrX	80959746	80967207	80967386	80974660	+
Dmd	MmuEX0014861	chrX	81031654	81047586	81047731	81048645	+
Dmd	MmuEX0014862	chrX	80537257	80591601	80591693	80596765	+
Dmd	MmuEX0014863	chrX	81058984	81063471	81063653	81073294	+
Dmd	MmuEX0014864	chrX	81126773	81132402	81132572	81150287	+
Dmd	MmuEX0014865	chrX	81150466	81151328	81151456	81153720	+
Dmd	MmuEX0014866	chrX	81167928	81170191	81170328	81173184	+
Dmd	MmuEX0014867	chrX	81173336	81174142	81174324	81200302	+
Dmd	MmuEX0014868	chrX	80591693	80596765	80596842	80620398	+
Dmd	MmuEX0014869	chrX	81174324	81200302	81200496	81210008	+
Dmd	MmuEX0014870	chrX	81618886	81671047	81671148	81677223	+
Dmd	MmuEX0014871	chrX	81677331	81719473	81719705	81777213	+
Dmd	MmuEX0014872	chrX	81719705	81777213	81777330	81820899	+
Dmd	MmuEX0014873	chrX	81777330	81820899	81821110	81844435	+
Dmd	MmuEX0014874	chrX	82189562	82220044	82220104	82299310	+
Dmd	MmuEX0014875	chrX	82220104	82299310	82299371	82335156	+
Dmd	MmuEX0014876	chrX	82299371	82335156	82335230	82350483	+
Dmd	MmuEX0014877	chrX	82389504	82390250	82390288	82394469	+
Dmd	MmuEX0014878	chrX	82390288	82394469	82394534	82395552	+
Dmd	MmuEX0014879	chrX	82436041	82442843	82442874	82447810	+
Dmd	MmuEX0014880	chrX	81153890	81167806	81167928	81170191	+
Dmd	MmuEX0014881	chrX	82063634	82093987	82094133	82189484	+
Dmd	MmuEX0014882	chrX	82389504	82395552	82395617	82423043	+

Dmd	MmuEX0014883	chrX	82389504	82398366	82398524	82423043	+
Dmd	MmuEX0014884	chrX	82424165	82435954	82436041	82447810	+
Dmpk	MmuEX0014887	chr7	19671426	19671681	19671764	19671838	+
Dmpk	MmuEX0014888	chr7	19671933	19672242	19672390	19672589	+
Dmpk	MmuEX0014889	chr7	19672682	19672843	19673049	19673350	+
Dmpk	MmuEX0014890	chr7	19673458	19673537	19673598	19674260	+
Dmpk	MmuEX0014891	chr7	19674345	19676278	19676389	19677004	+
Dmpk	MmuEX0014892	chr7	19677385	19677557	19677603	19678299	+
Dmpk	MmuEX0014893	chr7	19677385	19677896	19677981	19678299	+
Dmtf1	MmuEX0014897	chr5	9151918	9152877	9152993	9161614	-
Dmtf1	MmuEX0014898	chr5	9136142	9137126	9137240	9140386	-
Dmtf1	MmuEX0014899	chr5	9120138	9120350	9120494	9121085	-
Dmtf1	MmuEX0014900	chr5	9131308	9132456	9132613	9136066	-
Dmtf1	MmuEX0014901	chr5	9124527	9126540	9126643	9127957	-
Dmtf1	MmuEX0014902	chr5	9121937	9124442	9124527	9127957	-
Dmtf1	MmuEX0014903	chr5	9121462	9121782	9121937	9124442	-
Dmtf1	MmuEX0014904	chr5	9140480	9148900	9149022	9150376	-
Dmtf1	MmuEX0014905	chr5	9137240	9140386	9140480	9148900	-
Dmwd	MmuEX0014906	chr7	19662050	19663404	19663586	19665391	+
Dmwd	MmuEX0014907	chr7	19666650	19667268	19667342	19667625	+
Dmxl1	MmuEX0014908	chr18	50000166	50003440	50003511	50006239	+
Dmxl1	MmuEX0014909	chr18	50022771	50023602	50023855	50023964	+
Dmxl1	MmuEX0014910	chr18	50040496	50042210	50042267	50048370	+
Dmxl1	MmuEX0014911	chr18	50048539	50049117	50049214	50050270	+
Dmxl1	MmuEX0014912	chr18	50054827	50058358	50058434	50061915	+
Dmxl1	MmuEX0014913	chr18	50072451	50075576	50075718	50077233	+
Dmxl1	MmuEX0014914	chr18	50082369	50085573	50085635	50091565	+
Dmxl1	MmuEX0014915	chr18	50091651	50094238	50094359	50094846	+
Dmxl1	MmuEX0014916	chr18	50115563	50116956	50117047	50118051	+
Dmxl1	MmuEX0014917	chr18	50117047	50118051	50118103	50120712	+
Dmxl1	MmuEX0014918	chr18	50011150	50011900	50012078	50016887	+
Dmxl1	MmuEX0014919	chr18	50017076	50018770	50018938	50022559	+
Dmxl1	MmuEX0014920	chr18	50053951	50054636	50054827	50058358	+
Dmxl2	MmuEX0014921	chr9	54299648	54305431	54305605	54306661	-
Dmxl2	MmuEX0014922	chr9	54257127	54259407	54259517	54263237	-
Dmxl2	MmuEX0014923	chr9	54253720	54254404	54254501	54256958	-
Dmxl2	MmuEX0014924	chr9	54252028	54253555	54253720	54254404	-
Dmxl2	MmuEX0014925	chr9	54249793	54251764	54252028	54253555	-
Dmxl2	MmuEX0014926	chr9	54245930	54247125	54247235	54247749	-
Dmxl2	MmuEX0014927	chr9	54224168	54226521	54226642	54226724	-
Dmxl2	MmuEX0014928	chr9	54217069	54217679	54217770	54222460	-
Dmxl2	MmuEX0014929	chr9	54214434	54215361	54215578	54217017	-
Dmxl2	MmuEX0014930	chr9	54226810	54227582	54227644	54228715	-
Dmxl2	MmuEX0014931	chr9	54230528	54231464	54231594	54235220	-
Dmxl2	MmuEX0014932	chr9	54244177	54245854	54245930	54247749	-
Dmxl2	MmuEX0014933	chr9	54275930	54293190	54293311	54294179	-
Dmxl2	MmuEX0014934	chr9	54325335	54328147	54328272	54349158	-

Dna2	MmuEX0014940	chr10	62429552	62430401	62430490	62432524	+
Dnaja3	MmuEX0015126	chr16	4697315	4699749	4699877	4701169	+
Dnaja3	MmuEX0015127	chr16	4702308	4705844	4705960	4706568	+
Dnaja4	MmuEX0015128	chr9	54558539	54562077	54562177	54562268	+
Dnajb14	MmuEX0015130	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dnajb14	MmuEX0015131	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dnajb14	MmuEX0015132	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dnajb14	MmuEX0015133	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Dnajb2	MmuEX0015134	chr1	75236205	75237467	75237559	75237746	+
Dnajb2	MmuEX0015135	chr1	75234139	75235855	75235908	75236083	+
Dnajb2	MmuEX0015136	chr1	75240236	75241010	75241165	75241369	+
Dnajb4	MmuEX0015137	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Dnajb4	MmuEX0015138	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Dnajb4	MmuEX0015139	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Dnajb6	MmuEX0015140	chr5	30081404	30082774	30082878	30090939	+
Dnajb6	MmuEX0015146	chr5	30080192	30090942	30091070	30092046	+
Dnajc1	MmuEX0015147	chr2	18206413	18215581	18215671	18228600	-
Dnajc1	MmuEX0015148	chr2	18217335	18220502	18220606	18228600	-
Dnajc1	MmuEX0015149	chr2	18215671	18217242	18217335	18220502	-
Dnajc1	MmuEX0015150	chr2	18215671	18238526	18238627	18313918	-
Dnajc1	MmuEX0015151	chr2	18230576	18237985	18238031	18238526	-
Dnajc1	MmuEX0015152	chr2	18153450	18230411	18230576	18313918	-
Dnajc1	MmuEX0015153	chr2	18153450	18229542	18229639	18313918	-
Dnajc1	MmuEX0015154	chr2	18215671	18228600	18228693	18313918	-
Dnajc1	MmuEX0015155	chr2	18153450	18206250	18206413	18215581	-
Dnajc10	MmuEX0015156	chr2	80166892	80168229	80168272	80171426	+
Dnajc10	MmuEX0015157	chr2	80175724	80175838	80176044	80180630	+
Dnajc10	MmuEX0015158	chr2	80161451	80164817	80164899	80165152	+
Dnajc10	MmuEX0015159	chr2	80173175	80173883	80173996	80175610	+
Dnajc11	MmuEX0015160	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dnajc11	MmuEX0015161	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dnajc11	MmuEX0015162	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dnajc11	MmuEX0015163	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dnajc11	MmuEX0015164	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Dnajc12	MmuEX0015165	chr10	62849523	62858533	62858611	62859987	+
Dnajc12	MmuEX0015166	chr10	62858611	62859987	62860126	62869750	+
Dnajc13	MmuEX0015167	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015168	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015169	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015170	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015171	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015172	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015173	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015174	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015175	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015176	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015177	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-

Dnajc13	MmuEX0015178	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015179	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015180	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015181	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015182	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015183	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015184	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015185	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015186	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc13	MmuEX0015187	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Dnajc14	MmuEX0015188	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Dnajc15	MmuEX0015189	chr14	78256797	78260805	78261049	78274605	-
Dnajc15	MmuEX0015190	chr14	78226277	78239975	78240045	78244203	-
Dnajc15	MmuEX0015191	chr14	78226277	78227262	78227382	78239975	-
Dnajc15	MmuEX0015192	chr14	78240045	78244203	78244279	78252705	-
Dnajc15	MmuEX0015193	chr14	78252778	78256746	78256797	78274605	-
Dnajc16	MmuEX0015194	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dnajc16	MmuEX0015195	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dnajc16	MmuEX0015196	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dnajc16	MmuEX0015197	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dnajc16	MmuEX0015198	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Dnajc17	MmuEX0015199	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Dnajc17	MmuEX0015200	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Dnajc18	MmuEX0015201	chr18	35840592	35841574	35841683	35842872	-
Dnajc18	MmuEX0015202	chr18	35860644	35862066	35862159	35862680	-
Dnajc19	MmuEX0015203	chr3	33979079	33979153	33979204	33980108	-
Dnajc19	MmuEX0015204	chr3	33978206	33979006	33979079	33979149	-
Dnajc21	MmuEX0015205	chr15	10376981	10377451	10377526	10379331	-
Dnajc24	MmuEX0015206	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dnajc24	MmuEX0015207	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Dnajc25	MmuEX0015208	chr4	59016429	59026504	59026727	59030542	+
Dnajc27	MmuEX0015209	chr12	4107043	4107159	4107348	4107550	+
Dnajc27	MmuEX0015210	chr12	4086036	4089134	4089203	4096213	+
Dnajc27	MmuEX0015211	chr12	4089203	4095247	4095484	4096213	+
Dnajc27	MmuEX0015212	chr12	4096377	4097224	4097346	4103054	+
Dnajc27	MmuEX0015213	chr12	4097346	4103054	4103214	4106802	+
Dnajc3	MmuEX0015214	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dnajc3	MmuEX0015215	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dnajc4	MmuEX0015216	chr19	7065301	7066263	7066432	7066649	-
Dnajc4	MmuEX0015217	chr19	7062765	7063913	7064046	7064171	-
Dnajc4	MmuEX0015218	chr19	7065321	7066649	7066762	7066976	-
Dnajc4	MmuEX0015219	chr19	7064355	7065208	7065301	7066263	-
Dnajc5	MmuEX0015220	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Dnajc5	MmuEX0015221	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Dnajc5	MmuEX0015222	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Dnajc7	MmuEX0015231	chr11	1E+08	1E+08	1E+08	1E+08	-
Dnajc7	MmuEX0015232	chr11	1E+08	1E+08	1E+08	1E+08	-

Dnajc7	MmuEX0015233	chr11	1E+08	1E+08	1E+08	1E+08	-
Dnajc7	MmuEX0015234	chr11	1E+08	1E+08	1E+08	1E+08	-
Dnajc7	MmuEX0015235	chr11	1E+08	1E+08	1E+08	1E+08	-
Dnajc8	MmuEX0015236	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Dnajc8	MmuEX0015237	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Dnajc8	MmuEX0015239	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Dnajc8	MmuEX0015240	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Dnajc8	MmuEX0015241	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Dnajc8	MmuEX0015242	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Dnalc1	MmuEX0015245	chr12	85455349	85465429	85465534	85472282	+
Dnalc1	MmuEX0015246	chr12	85465534	85467481	85467520	85467912	+
Dnalc1	MmuEX0015247	chr12	85455349	85467912	85467967	85472282	+
Dnalc4	MmuEX0015248	chr15	79594023	79595246	79595451	79604789	-
Dnalc4	MmuEX0015249	chr15	79592955	79593940	79594023	79595246	-
Dnalc4	MmuEX0015250	chr15	79595451	79596217	79596283	79604789	-
Dnase1l1	MmuEX0015251	chrX	71522073	71522378	71522681	71526860	-
Dnase1l1	MmuEX0015252	chrX	71519030	71521985	71522073	71522378	-
Dnase1l1	MmuEX0015253	chrX	71519030	71521818	71521895	71522378	-
Dnase1l1	MmuEX0015254	chrX	71519030	71519707	71519807	71522378	-
Dnase1l1	MmuEX0015255	chrX	71519030	71519445	71519557	71522378	-
Dnase1l1	MmuEX0015256	chrX	71519030	71519117	71519365	71522378	-
Dnase1l2	MmuEX0015257	chr17	24578692	24578803	24578915	24578997	-
Dnase2a	MmuEX0015258	chr8	87437427	87437961	87440290	87444293	+
Dnase2a	MmuEX0015259	chr8	87433061	87433156	87433234	87433671	+
Dnase2a	MmuEX0015260	chr8	87433234	87433425	87433589	87433671	+
Dnlz	MmuEX0015277	chr2	26206078	26206855	26206994	26207293	-
Dnm1	MmuEX0015281	chr2	32178993	32179180	32179250	32183481	-
Dnm1	MmuEX0015282	chr2	32168445	32168942	32169021	32170410	-
Dnm1	MmuEX0015284	chr2	32193414	32193521	32193619	32195441	-
Dnm1	MmuEX0015285	chr2	32176137	32178699	32178710	32178942	-
Dnm1l	MmuEX0015288	chr16	16346238	16350561	16350662	16358857	-
Dnm1l	MmuEX0015289	chr16	16334042	16335934	16336051	16336946	-
Dnm1l	MmuEX0015290	chr16	16324188	16329896	16330102	16332094	-
Dnm1l	MmuEX0015291	chr16	16342828	16344919	16344999	16346073	-
Dnm1l	MmuEX0015292	chr16	16318570	16318857	16318934	16319545	-
Dnm1l	MmuEX0015293	chr16	16316871	16318538	16318570	16319545	-
Dnm1l	MmuEX0015294	chr16	16341561	16342790	16342828	16346073	-
Dnm1l	MmuEX0015295	chr16	16341160	16341515	16341561	16346073	-
Dnm1l	MmuEX0015296	chr16	16332225	16333922	16334042	16336946	-
Dnm1l	MmuEX0015297	chr16	16324188	16332094	16332225	16336946	-
Dnm2	MmuEX0015298	chr9	21229700	21261947	21262020	21270026	+
Dnm2	MmuEX0015299	chr9	21282792	21283343	21283481	21285777	+
Dnm2	MmuEX0015300	chr9	21285863	21290095	21290165	21294187	+
Dnm2	MmuEX0015301	chr9	21303811	21304702	21304813	21307986	+
Dnm2	MmuEX0015302	chr9	21272179	21275787	21275885	21277057	+
Dnm2	MmuEX0015303	chr9	21277217	21278976	21279118	21280917	+
Dnm2	MmuEX0015304	chr9	21294238	21295102	21295113	21295690	+

Dnm2	MmuEX0015305	chr9	21282792	21284851	21284989	21285777	+
Dnm3	MmuEX0015306	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Dnm3	MmuEX0015309	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Dnmbp	MmuEX0015313	chr19	43928802	43929287	43929619	43930992	-
Dnmbp	MmuEX0015314	chr19	43944799	43948648	43948747	43949317	-
Dnmbp	MmuEX0015315	chr19	43949510	43975560	43977548	43985215	-
Dnmt1	MmuEX0015316	chr9	20747063	20748218	20748379	20757152	-
Dnmt1	MmuEX0015317	chr9	20746250	20747027	20747063	20757152	-
Dnmt1	MmuEX0015318	chr9	20731155	20731250	20731292	20731551	-
Dnmt1	MmuEX0015319	chr9	20728238	20728467	20728585	20730889	-
Dnmt1	MmuEX0015320	chr9	20727361	20728146	20728238	20728467	-
Dnmt1	MmuEX0015321	chr9	20726925	20727210	20727361	20728146	-
Dnmt1	MmuEX0015322	chr9	20721914	20722350	20722486	20722560	-
Dnmt1	MmuEX0015323	chr9	20716752	20717016	20717100	20718341	-
Dnmt1	MmuEX0015324	chr9	20746027	20746143	20746250	20747027	-
Dnmt3a	MmuEX0015326	chr12	3807120	3835027	3835260	3849635	+
Dnmt3a	MmuEX0015327	chr12	3835260	3849635	3849739	3865985	+
Dnmt3a	MmuEX0015328	chr12	3900361	3901549	3901694	3902381	+
Dnmt3a	MmuEX0015329	chr12	3896148	3896578	3896685	3896886	+
Dnmt3a	MmuEX0015330	chr12	3901694	3902381	3902471	3904140	+
Dnmt3a	MmuEX0015331	chr12	3902471	3902666	3902814	3904140	+
Dnmt3a	MmuEX0015332	chr12	3902814	3904140	3904225	3905593	+
Dnpep	MmuEX0015346	chr1	75311812	75311920	75311995	75312194	-
Dnpep	MmuEX0015347	chr1	75311016	75311705	75311812	75311920	-
Dnpep	MmuEX0015348	chr1	75309140	75310001	75310084	75310939	-
Dnpep	MmuEX0015349	chr1	75306041	75307984	75308001	75308367	-
Dnpep	MmuEX0015350	chr1	75312645	75312905	75313018	75313116	-
Dnttip1	MmuEX0015352	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Dnttip1	MmuEX0015353	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Dnttip1	MmuEX0015355	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Dnttip1	MmuEX0015356	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Dnttip1	MmuEX0015357	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Dnttip1	MmuEX0015358	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Dnttip1	MmuEX0015359	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Doc2g	MmuEX0015362	chr19	4004816	4005382	4005494	4006026	+
Doc2g	MmuEX0015363	chr19	4003814	4003945	4004024	4004096	+
Dock1	MmuEX0015364	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015365	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015366	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015367	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015368	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015369	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015370	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock1	MmuEX0015371	chr7	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Dock10	MmuEX0015375	chr1	80526868	80527749	80527859	80528897	-
Dock10	MmuEX0015376	chr1	80498401	80501900	80502038	80502196	-
Dock10	MmuEX0015377	chr1	80522905	80524808	80524906	80525224	-

Dock10	MmuEX0015379	chr1	80498401	80501701	80501773	80501900	-
Dock10	MmuEX0015380	chr1	80498401	80500494	80500569	80501900	-
Dock11	MmuEX0015385	chrX	33584974	33587049	33587264	33587353	+
Dock11	MmuEX0015387	chrX	33601302	33602276	33602422	33606865	+
Dock11	MmuEX0015388	chrX	33602422	33606865	33607075	33607655	+
Dock4	MmuEX0015409	chr12	41395655	41399328	41399460	41403289	+
Dock4	MmuEX0015410	chr12	41419626	41429448	41429572	41430918	+
Dock4	MmuEX0015411	chr12	41452390	41456436	41456533	41456631	+
Dock4	MmuEX0015414	chr12	41544342	41547179	41547265	41555367	+
Dock4	MmuEX0015415	chr12	41561317	41562357	41562499	41563217	+
Dock4	MmuEX0015416	chr12	41367032	41375925	41376076	41394993	+
Dock4	MmuEX0015417	chr12	41482452	41492826	41492920	41503777	+
Dock4	MmuEX0015418	chr12	41516748	41521184	41521210	41521355	+
Dock4	MmuEX0015419	chr12	41563289	41565028	41565141	41567824	+
Dock5	MmuEX0015423	chr14	68421176	68423787	68423893	68424480	-
Dock5	MmuEX0015426	chr14	68375265	68375994	68376132	68377088	-
Dock5	MmuEX0015427	chr14	68374579	68375165	68375265	68375994	-
Dock6	MmuEX0015428	chr9	21636087	21636298	21636384	21637288	-
Dock6	MmuEX0015429	chr9	21650017	21650205	21650273	21650943	-
Dock6	MmuEX0015430	chr9	21634821	21634907	21635046	21635477	-
Dock6	MmuEX0015431	chr9	21648863	21649888	21650017	21650205	-
Dock6	MmuEX0015432	chr9	21625105	21625900	21626070	21626179	-
Dock6	MmuEX0015433	chr9	21617554	21617829	21617981	21618913	-
Dock6	MmuEX0015434	chr9	21607347	21607437	21607562	21608366	-
Dock6	MmuEX0015435	chr9	21607033	21607258	21607347	21607437	-
Dock6	MmuEX0015436	chr9	21606072	21606169	21606312	21606797	-
Dock6	MmuEX0015437	chr9	21604843	21605615	21605776	21605966	-
Dock6	MmuEX0015438	chr9	21622417	21624707	21624876	21624966	-
Dock6	MmuEX0015439	chr9	21635638	21635856	21636087	21636298	-
Dock6	MmuEX0015440	chr9	21637617	21637808	21637878	21637968	-
Dock6	MmuEX0015441	chr9	21629974	21633918	21634022	21634658	-
Dock6	MmuEX0015442	chr9	21629974	21630227	21630319	21634658	-
Dock6	MmuEX0015443	chr9	21628981	21629879	21629974	21630227	-
Dock7	MmuEX0015447	chr4	98746540	98749385	98749453	98749698	-
Dock7	MmuEX0015449	chr4	98655807	98655908	98656048	98658055	-
Dock7	MmuEX0015451	chr4	98633135	98633914	98634048	98636321	-
Dock7	MmuEX0015452	chr4	98628128	98628892	98629050	98632983	-
Dock7	MmuEX0015453	chr4	98625860	98627095	98627228	98628028	-
Dock7	MmuEX0015454	chr4	98612265	98613320	98613454	98622007	-
Dock7	MmuEX0015456	chr4	98613454	98620557	98620571	98622007	-
Dock7	MmuEX0015459	chr4	98658150	98659060	98659149	98667724	-
Dock8	MmuEX0015461	chr19	25246125	25246947	25247099	25248664	+
Dock8	MmuEX0015462	chr19	25259430	25262827	25263063	25266677	+
Dock9	MmuEX0015465	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015466	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015467	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015468	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-

Dock9	MmuEX0015469	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015470	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015471	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015474	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015475	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015476	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015477	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015478	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015479	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015480	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015481	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015482	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015483	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015484	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dock9	MmuEX0015485	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Dohh	MmuEX0015486	chr10	80850225	80850452	80850663	80853104	+
Dok1	MmuEX0015487	chr6	82982622	82982761	82983060	82983365	-
Dok2	MmuEX0015488	chr14	71174316	71175273	71175554	71175791	+
Dok2	MmuEX0015489	chr14	71175554	71175791	71175878	71176623	+
Dok3	MmuEX0015490	chr13	55625941	55627262	55627374	55628693	-
Dok3	MmuEX0015491	chr13	55625752	55625842	55625941	55628693	-
Dok7	MmuEX0015496	chr5	35418071	35419797	35419916	35421680	+
Dok7	MmuEX0015497	chr5	35419916	35421680	35422404	35425813	+
Dok7	MmuEX0015498	chr5	35399637	35399741	35399786	35406983	+
Dok7	MmuEX0015499	chr5	35399786	35406983	35407213	35417952	+
Dolpp1	MmuEX0015500	chr2	30248032	30251179	30251279	30251497	+
Dolpp1	MmuEX0015501	chr2	30251279	30251497	30251581	30251673	+
Dolpp1	MmuEX0015502	chr2	30251772	30251976	30252050	30252536	+
Dolpp1	MmuEX0015503	chr2	30252050	30252539	30252667	30252988	+
Donson	MmuEX0015504	chr16	91684056	91684330	91684430	91684547	-
Donson	MmuEX0015505	chr16	91683066	91683878	91684056	91684547	-
Donson	MmuEX0015506	chr16	91686615	91688040	91688120	91688652	-
Donson	MmuEX0015507	chr16	91684056	91684547	91684725	91686412	-
Donson	MmuEX0015508	chr16	91680271	91681402	91681469	91682340	-
Dopey1	MmuEX0015509	chr9	86379210	86380861	86381042	86383185	+
Dopey1	MmuEX0015510	chr9	86401344	86404222	86404358	86406165	+
Dopey1	MmuEX0015511	chr9	86409017	86410574	86410671	86411761	+
Dopey1	MmuEX0015512	chr9	86410671	86411761	86412020	86413480	+
Dopey1	MmuEX0015513	chr9	86429866	86430050	86430129	86435966	+
Dopey1	MmuEX0015514	chr9	86439000	86441777	86441913	86442408	+
Dopey1	MmuEX0015515	chr9	86442463	86443610	86443774	86445253	+
Dopey1	MmuEX0015516	chr9	86388101	86394403	86394502	86395481	+
Dopey1	MmuEX0015518	chr9	86394502	86395508	86395590	86396600	+
Dopey1	MmuEX0015520	chr9	86439000	86442408	86442463	86443610	+
Dopey1	MmuEX0015521	chr9	86443774	86445253	86445382	86447623	+
Dopey1	MmuEX0015522	chr9	86445382	86447005	86447055	86447623	+
Dopey2	MmuEX0015524	chr16	93781057	93781934	93781969	93782446	+

Dopey2	MmuEX0015525	chr16	93782723	93783695	93783739	93793332	+
Dopey2	MmuEX0015526	chr16	93782723	93787570	93787645	93793332	+
Dopey2	MmuEX0015527	chr16	93750258	93752369	93752478	93753080	+
Dopey2	MmuEX0015528	chr16	93759974	93760537	93760728	93762278	+
Dopey2	MmuEX0015529	chr16	93766561	93769639	93771271	93771991	+
Dopey2	MmuEX0015530	chr16	93740384	93747709	93747898	93752369	+
Dopey2	MmuEX0015531	chr16	93740384	93749369	93749467	93752369	+
Dopey2	MmuEX0015532	chr16	93740384	93750135	93750258	93752369	+
Dopey2	MmuEX0015533	chr16	93799230	93800152	93800261	93800346	+
Dopey2	MmuEX0015534	chr16	93777738	93780618	93780692	93781002	+
Dot1l	MmuEX0015537	chr10	80243656	80244113	80244219	80244888	+
Dot1l	MmuEX0015538	chr10	80247401	80247487	80247588	80247795	+
Dot1l	MmuEX0015539	chr10	80249234	80249749	80249895	80250579	+
Dot1l	MmuEX0015540	chr10	80252264	80253065	80253129	80253356	+
Dot1l	MmuEX0015541	chr10	80235943	80236451	80236513	80240301	+
Dot1l	MmuEX0015542	chr10	80244219	80244888	80244929	80245929	+
Dot1l	MmuEX0015543	chr10	80248368	80248527	80249011	80249099	+
Dot1l	MmuEX0015544	chr10	80253129	80253356	80254306	80256252	+
Dot1l	MmuEX0015545	chr10	80254306	80254489	80254584	80256252	+
Dot1l	MmuEX0015546	chr10	80254306	80254888	80255518	80256252	+
Dpagt1	MmuEX0015547	chr9	44137220	44137495	44137673	44139201	+
Dpagt1	MmuEX0015548	chr9	44135288	44135635	44135755	44136036	+
Dpagt1	MmuEX0015549	chr9	44137220	44139201	44139285	44139987	+
Dpcd	MmuEX0015550	chr19	45647028	45650265	45650418	45651483	+
Dpcd	MmuEX0015551	chr19	45647028	45651483	45651585	45651961	+
Dpcd	MmuEX0015552	chr19	45635197	45635477	45635574	45639401	+
Dpep1	MmuEX0015553	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Dpep1	MmuEX0015554	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Dpep1	MmuEX0015555	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Dpep1	MmuEX0015556	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Dpf2	MmuEX0015563	chr19	5905552	5906524	5906631	5907001	-
Dpf2	MmuEX0015564	chr19	5904546	5905389	5905552	5906524	-
Dpf2	MmuEX0015565	chr19	5902768	5903731	5903772	5904240	-
Dpf3	MmuEX0015566	chr12	84426020	84432850	84432977	84451775	-
Dpf3	MmuEX0015567	chr12	84395486	84416379	84416457	84425925	-
Dpf3	MmuEX0015568	chr12	84373454	84395349	84395486	84416379	-
Dpf3	MmuEX0015569	chr12	84330308	84361480	84361870	84369320	-
Dph1	MmuEX0015570	chr11	74999350	74999465	74999617	75003901	-
Dph1	MmuEX0015571	chr11	74994863	74996704	74996825	74996971	-
Dph1	MmuEX0015572	chr11	74992815	74993228	74993306	74994063	-
Dph1	MmuEX0015573	chr11	74997791	74999287	74999350	74999465	-
Dph1	MmuEX0015574	chr11	74997128	74997670	74997791	74999287	-
Dph1	MmuEX0015575	chr11	74993306	74994290	74994446	74994795	-
Dph1	MmuEX0015576	chr11	74993306	74994063	74994163	74994795	-
Dph2	MmuEX0015577	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Dph5	MmuEX0015578	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Dph5	MmuEX0015579	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+

Dph5	MmuEX0015580	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Dpm1	MmuEX0015581	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Dpm1	MmuEX0015582	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Dpm1	MmuEX0015583	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Dpm1	MmuEX0015584	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Dpm1	MmuEX0015585	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Dpm2	MmuEX0015586	chr2	32426432	32426726	32426815	32427817	+
Dpp3	MmuEX0015590	chr19	4916371	4916698	4916810	4916892	-
Dpp7	MmuEX0015602	chr2	25211473	25211549	25211662	25211751	-
Dpp7	MmuEX0015603	chr2	25211241	25211334	25211473	25211549	-
Dpp7	MmuEX0015604	chr2	25208086	25208206	25208276	25208673	-
Dpp7	MmuEX0015605	chr2	25209036	25209128	25209246	25209753	-
Dpp7	MmuEX0015606	chr2	25208737	25208915	25209036	25209753	-
Dpp7	MmuEX0015607	chr2	25210342	25211078	25211241	25211330	-
Dpp8	MmuEX0015609	chr9	64900980	64901576	64901637	64902226	+
Dpp8	MmuEX0015610	chr9	64925912	64926481	64926592	64928538	+
Dpp8	MmuEX0015611	chr9	64880733	64882682	64882818	64884776	+
Dpp8	MmuEX0015612	chr9	64891666	64893427	64893595	64899197	+
Dpp8	MmuEX0015613	chr9	64902812	64903599	64903758	64908010	+
Dpp8	MmuEX0015614	chr9	64911761	64914158	64914303	64922246	+
Dpp8	MmuEX0015615	chr9	64914303	64922246	64922392	64925770	+
Dpp8	MmuEX0015616	chr9	64922392	64922750	64922935	64923543	+
Dpp8	MmuEX0015617	chr9	64922392	64923543	64923695	64925770	+
Dpp9	MmuEX0015618	chr17	56330582	56332211	56332579	56333839	-
Dpp9	MmuEX0015619	chr17	56327802	56328746	56328888	56329413	-
Dpp9	MmuEX0015620	chr17	56346312	56349067	56349645	56351003	-
Dpp9	MmuEX0015621	chr17	56345293	56346200	56346312	56351003	-
Dpp9	MmuEX0015622	chr17	56328888	56329185	56329303	56329413	-
Dpp9	MmuEX0015623	chr17	56334483	56335511	56335590	56338395	-
Dpy1911	MmuEX0015628	chr9	24258341	24267021	24267078	24278218	-
Dpy1911	MmuEX0015629	chr9	24255199	24258250	24258341	24267021	-
Dpy1911	MmuEX0015630	chr9	24252308	24255100	24255199	24258250	-
Dpy1911	MmuEX0015631	chr9	24243632	24245199	24245285	24252231	-
Dpy1911	MmuEX0015632	chr9	24238884	24243073	24243153	24243573	-
Dpy1911	MmuEX0015633	chr9	24229289	24230578	24230602	24234875	-
Dpy1911	MmuEX0015634	chr9	24227631	24229170	24229289	24230578	-
Dpy1911	MmuEX0015635	chr9	24279897	24286373	24286510	24289458	-
Dpy1911	MmuEX0015636	chr9	24279897	24282093	24282271	24286373	-
Dpy1914	MmuEX0015653	chr4	11236637	11244220	11244327	11249147	-
Dpy1914	MmuEX0015654	chr4	11219835	11222504	11222651	11223083	-
Dpy1914	MmuEX0015655	chr4	11231537	11236513	11236637	11244220	-
Dpy1914	MmuEX0015656	chr4	11200286	11204011	11204093	11205076	-
Dpy1914	MmuEX0015657	chr4	11217436	11217538	11217669	11219701	-
Dpy1914	MmuEX0015658	chr4	11244327	11246933	11246965	11248862	-
Dpy1914	MmuEX0015659	chr4	11205132	11208151	11208271	11212201	-
Dpy30	MmuEX0015660	chr17	74699164	74707060	74707202	74715242	-
Dpyd	MmuEX0015662	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+

Dpyd	MmuEX0015663	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Dpyd	MmuEX0015666	chr3	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Dpyd	MmuEX0015667	chr3	1.18E+08	1.18E+08	1.18E+08	1.19E+08	+
Dpyd	MmuEX0015668	chr3	1.18E+08	1.19E+08	1.19E+08	1.19E+08	+
Dpysl2	MmuEX0015673	chr14	67426878	67431963	67432133	67433792	-
Dram2	MmuEX0015681	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Dram2	MmuEX0015682	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Dram2	MmuEX0015683	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Dram2	MmuEX0015684	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Dram2	MmuEX0015685	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Dram2	MmuEX0015686	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Dram2	MmuEX0015687	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Drg1	MmuEX0015689	chr11	3152814	3154515	3154645	3156546	-
Drg1	MmuEX0015690	chr11	3152285	3152647	3152814	3154368	-
Drg1	MmuEX0015691	chr11	3154645	3156546	3156715	3159309	-
Drg2	MmuEX0015692	chr11	60276136	60277636	60277724	60278335	+
Drg2	MmuEX0015693	chr11	60278393	60281187	60281240	60281566	+
Drosha	MmuEX0015694	chr15	12772286	12775823	12775964	12777808	+
Drosha	MmuEX0015695	chr15	12777962	12781551	12781631	12789128	+
Drosha	MmuEX0015696	chr15	12781631	12789128	12789214	12791433	+
Drosha	MmuEX0015697	chr15	12794853	12796318	12796399	12797351	+
Drosha	MmuEX0015698	chr15	12796399	12797351	12797425	12808413	+
Drosha	MmuEX0015699	chr15	12832439	12835354	12835456	12842266	+
Drosha	MmuEX0015700	chr15	12835456	12837079	12837149	12842266	+
Drosha	MmuEX0015701	chr15	12757047	12760058	12760108	12763584	+
Dsc2	MmuEX0015708	chr18	20196778	20199936	20200078	20200198	-
Dsc2	MmuEX0015709	chr18	20205721	20206776	20206895	20208507	-
Dsc2	MmuEX0015710	chr18	20190904	20190991	20191036	20191563	-
Dsc2	MmuEX0015711	chr18	20208706	20209677	20209761	20217685	-
Dscr3	MmuEX0015725	chr16	94732494	94733837	94733980	94747945	-
Dscr3	MmuEX0015726	chr16	94727051	94732345	94732494	94733837	-
Dse	MmuEX0015727	chr10	33882795	33903498	33903966	33926886	-
Dsg2	MmuEX0015730	chr18	20716845	20731990	20732025	20733441	+
Dsg2	MmuEX0015731	chr18	20733575	20734448	20734545	20737541	+
Dsn1	MmuEX0015736	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Dsp	MmuEX0015737	chr13	38269151	38270303	38270428	38270917	+
Dst	MmuEX0015738	chr1	34314785	34315937	34316042	34317009	+
Dst	MmuEX0015739	chr1	34170867	34171394	34171486	34172963	+
Dst	MmuEX0015740	chr1	34174369	34191935	34192101	34209047	+
Dst	MmuEX0015741	chr1	34192101	34209047	34209159	34209258	+
Dst	MmuEX0015742	chr1	34226166	34226595	34226773	34227205	+
Dst	MmuEX0015743	chr1	34229190	34229847	34229930	34230960	+
Dst	MmuEX0015744	chr1	34231640	34234437	34234568	34234641	+
Dst	MmuEX0015745	chr1	34231640	34240861	34240989	34242807	+
Dst	MmuEX0015746	chr1	34240989	34242807	34242895	34243664	+
Dst	MmuEX0015747	chr1	34251065	34251360	34251509	34252673	+
Dst	MmuEX0015748	chr1	34251509	34252673	34252906	34254046	+

Dst	MmuEX0015749	chr1	34063243	34143087	34143148	34170778	+
Dst	MmuEX0015750	chr1	34254198	34255363	34255596	34256137	+
Dst	MmuEX0015751	chr1	34269913	34271379	34271535	34272331	+
Dst	MmuEX0015752	chr1	34272457	34274655	34274717	34275180	+
Dst	MmuEX0015753	chr1	34275421	34276241	34276370	34280649	+
Dst	MmuEX0015754	chr1	34286091	34299464	34299625	34301189	+
Dst	MmuEX0015755	chr1	34319096	34320109	34320335	34363373	+
Dst	MmuEX0015756	chr1	34331183	34332050	34332205	34363373	+
Dst	MmuEX0015757	chr1	34332205	34332518	34332724	34363373	+
Dst	MmuEX0015758	chr1	34332724	34334865	34334984	34363373	+
Dst	MmuEX0015759	chr1	34334984	34339268	34339437	34363373	+
Dst	MmuEX0015760	chr1	34339437	34341104	34341263	34363373	+
Dst	MmuEX0015761	chr1	34341263	34344032	34344226	34353587	+
Dst	MmuEX0015762	chr1	34344226	34344736	34344864	34353587	+
Dst	MmuEX0015763	chr1	34344864	34346369	34346512	34353587	+
Dst	MmuEX0015764	chr1	34346512	34347204	34347392	34353587	+
Dst	MmuEX0015765	chr1	34319096	34321370	34321492	34363373	+
Dst	MmuEX0015766	chr1	34347392	34348632	34348761	34353587	+
Dst	MmuEX0015767	chr1	34348761	34350165	34350328	34353587	+
Dst	MmuEX0015768	chr1	34350328	34351229	34351391	34353587	+
Dst	MmuEX0015769	chr1	34351391	34351999	34352153	34352307	+
Dst	MmuEX0015770	chr1	34352153	34352307	34352381	34353587	+
Dst	MmuEX0015771	chr1	34352381	34353587	34353604	34356566	+
Dst	MmuEX0015772	chr1	34353604	34356566	34356683	34359675	+
Dst	MmuEX0015773	chr1	34356683	34358706	34358777	34359675	+
Dst	MmuEX0015774	chr1	34319096	34359675	34359877	34363373	+
Dst	MmuEX0015775	chr1	34359877	34360266	34360376	34363373	+
Dst	MmuEX0015776	chr1	34321492	34321595	34321696	34363373	+
Dst	MmuEX0015777	chr1	34321696	34323702	34323803	34363373	+
Dst	MmuEX0015778	chr1	34323803	34325074	34325247	34363373	+
Dst	MmuEX0015779	chr1	34325247	34325580	34325735	34327673	+
Dst	MmuEX0015780	chr1	34325735	34327673	34327870	34363373	+
Dst	MmuEX0015781	chr1	34327870	34328200	34328328	34363373	+
Dst	MmuEX0015782	chr1	34328328	34331013	34331183	34363373	+
Dstn	MmuEX0015783	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Dstn	MmuEX0015784	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Dstyk	MmuEX0015785	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Dstyk	MmuEX0015786	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Dstyk	MmuEX0015787	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Dstyk	MmuEX0015788	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Dtd1	MmuEX0015790	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Dtd1	MmuEX0015791	chr2	1.44E+08	1.44E+08	1.44E+08	1.45E+08	+
Dtd1	MmuEX0015792	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Dtna	MmuEX0015800	chr18	23741670	23748690	23748844	23751473	+
Dtna	MmuEX0015801	chr18	23780565	23783583	23783696	23789833	+
Dtna	MmuEX0015802	chr18	23633743	23651494	23651731	23655980	+
Dtna	MmuEX0015803	chr18	23804787	23805389	23805554	23810017	+

Dtna	MmuEX0015804	chr18	23810149	23811830	23811878	23814314	+
Dtna	MmuEX0015805	chr18	23756059	23758904	23758912	23761092	+
Dtna	MmuEX0015806	chr18	23789929	23791719	23791739	23801648	+
Dtna	MmuEX0015807	chr18	23633743	23655983	23656204	23693663	+
Dtna	MmuEX0015808	chr18	23633743	23693663	23693730	23704187	+
Dtna	MmuEX0015809	chr18	23633743	23704187	23704267	23728063	+
Dtna	MmuEX0015810	chr18	23704267	23728063	23728276	23741585	+
Dtna	MmuEX0015811	chr18	23761175	23768965	23769042	23779888	+
Dtna	MmuEX0015812	chr18	23761175	23769565	23769657	23779888	+
Dtnb	MmuEX0015815	chr12	3648389	3686738	3686862	3718412	+
Dtnb	MmuEX0015816	chr12	3686862	3718412	3718489	3732618	+
Dtnb	MmuEX0015817	chr12	3749583	3751811	3751907	3772587	+
Dtnb	MmuEX0015825	chr12	3632964	3643920	3644022	3648223	+
Dtnb	MmuEX0015826	chr12	3751907	3754096	3754116	3772587	+
Dtnb	MmuEX0015827	chr12	3632964	3648223	3648389	3686738	+
Dtnb	MmuEX0015829	chr12	3732707	3734939	3735026	3748425	+
Dtnb	MmuEX0015830	chr12	3735026	3748425	3748510	3772587	+
Dtnb	MmuEX0015831	chr12	3748510	3749470	3749583	3772587	+
Dtnbp1	MmuEX0015832	chr13	45091375	45094973	45095083	45097286	-
Dtnbp1	MmuEX0015833	chr13	45089107	45091200	45091375	45096750	-
Dtnbp1	MmuEX0015834	chr13	45018661	45026365	45026520	45048541	-
Dtnbp1	MmuEX0015835	chr13	45065547	45089054	45089107	45097286	-
Dtnbp1	MmuEX0015836	chr13	45081464	45087388	45087438	45097286	-
Dtnbp1	MmuEX0015837	chr13	45065547	45081404	45081464	45097286	-
Dtnbp1	MmuEX0015838	chr13	45065547	45078110	45078242	45097286	-
Dtnbp1	MmuEX0015839	chr13	45026520	45065415	45065547	45097286	-
Dtnbp1	MmuEX0015840	chr13	45026520	45048541	45048563	45065415	-
Dtnbp1	MmuEX0015841	chr13	45026520	45042238	45042497	45048541	-
Dtwd1	MmuEX0015842	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Dtwd2	MmuEX0015844	chr18	49860041	49883276	49883468	49883767	-
Dtx2	MmuEX0015849	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Dtx2	MmuEX0015850	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Dtx2	MmuEX0015851	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Dtx2	MmuEX0015852	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Dtx2	MmuEX0015853	chr5	1.36E+08	1.37E+08	1.37E+08	1.37E+08	+
Dtx3	MmuEX0015854	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Dtx3	MmuEX0015855	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Dtx3	MmuEX0015856	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Dtx3l	MmuEX0015857	chr16	35933885	35936463	35936713	35938780	-
Dtx3l	MmuEX0015858	chr16	35929454	35931459	35931676	35932362	-
Dtymk	MmuEX0015861	chr1	95695484	95696063	95696175	95697379	-
Dus1l	MmuEX0015868	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Dus2l	MmuEX0015869	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus2l	MmuEX0015870	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus2l	MmuEX0015871	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus2l	MmuEX0015872	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus2l	MmuEX0015873	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+

Dus2l	MmuEX0015874	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus2l	MmuEX0015875	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus2l	MmuEX0015876	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Dus3l	MmuEX0015877	chr17	56907573	56907771	56907836	56907941	+
Dus3l	MmuEX0015878	chr17	56907836	56907941	56908051	56908229	+
Dus4l	MmuEX0015879	chr12	32331603	32332387	32332486	32333631	-
Dus4l	MmuEX0015880	chr12	32326593	32327629	32327751	32331486	-
Dus4l	MmuEX0015881	chr12	32327751	32333631	32333752	32337156	-
Dus4l	MmuEX0015882	chr12	32327751	32331486	32331603	32337156	-
Dusp1	MmuEX0015883	chr17	26644149	26644519	26644664	26644902	-
Dusp10	MmuEX0015884	chr1	1.86E+08	1.86E+08	1.86E+08	1.86E+08	+
Dusp11	MmuEX0015885	chr6	85900087	85900508	85900554	85902299	-
Dusp11	MmuEX0015886	chr6	85903488	85905290	85905394	85908578	-
Dusp12	MmuEX0015887	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Dusp12	MmuEX0015888	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Dusp12	MmuEX0015889	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Dusp16	MmuEX0015897	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Dusp16	MmuEX0015898	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Dusp16	MmuEX0015899	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Dusp16	MmuEX0015900	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Dusp16	MmuEX0015901	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Dusp19	MmuEX0015902	chr2	80461517	80463500	80463599	80464365	+
Dusp19	MmuEX0015903	chr2	80461517	80464483	80464517	80470949	+
Dusp22	MmuEX0015905	chr13	30760707	30764262	30764344	30788105	+
Dusp22	MmuEX0015906	chr13	30764344	30785576	30785630	30788105	+
Dusp22	MmuEX0015907	chr13	30797569	30799799	30799970	30800546	+
Dusp22	MmuEX0015908	chr13	30799970	30800546	30800618	30802575	+
Dusp27	MmuEX0015910	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Dusp3	MmuEX0015911	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Dusp5	MmuEX0015913	chr19	53608464	53611947	53612166	53615406	+
Dusp6	MmuEX0015914	chr10	98726725	98727178	98727615	98728626	+
Dut	MmuEX0015915	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Dut	MmuEX0015916	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Dut	MmuEX0015917	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Dvl1	MmuEX0015918	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dvl1	MmuEX0015919	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dvl1	MmuEX0015920	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dvl1	MmuEX0015921	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dvl1	MmuEX0015922	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dvl1	MmuEX0015923	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dvl3	MmuEX0015924	chr16	20523604	20523725	20523834	20524013	+
Dym	MmuEX0015929	chr18	75178638	75196117	75196412	75202733	+
Dym	MmuEX0015930	chr18	75242161	75274444	75274626	75278765	+
Dym	MmuEX0015931	chr18	75286573	75322121	75322285	75358817	+
Dym	MmuEX0015932	chr18	75286573	75358817	75358919	75389644	+
Dym	MmuEX0015933	chr18	75202923	75212635	75212687	75239857	+
Dym	MmuEX0015934	chr18	75283237	75285078	75285191	75358817	+

Dym	MmuEX0015935	chr18	75202923	75286479	75286573	75358817	+
Dym	MmuEX0015936	chr18	75358919	75389644	75389826	75402939	+
Dym	MmuEX0015937	chr18	75389826	75402939	75403052	75446274	+
Dym	MmuEX0015938	chr18	75202923	75214935	75215028	75239857	+
Dym	MmuEX0015939	chr18	75202923	75216284	75216417	75239857	+
Dym	MmuEX0015940	chr18	75202923	75222755	75222827	75239857	+
Dym	MmuEX0015941	chr18	75222827	75239857	75239982	75274444	+
Dym	MmuEX0015942	chr18	75239982	75242019	75242161	75274444	+
Dym	MmuEX0015943	chr18	75274626	75278765	75278943	75358817	+
Dym	MmuEX0015944	chr18	75278943	75283112	75283237	75358817	+
Dync1h1	MmuEX0015945	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1h1	MmuEX0015946	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1h1	MmuEX0015947	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1h1	MmuEX0015948	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1h1	MmuEX0015949	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1h1	MmuEX0015950	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1h1	MmuEX0015951	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Dync1i2	MmuEX0015953	chr2	71074087	71076437	71076478	71084746	+
Dync1i2	MmuEX0015954	chr2	71066747	71071706	71071765	71073972	+
Dync1i2	MmuEX0015955	chr2	71057475	71065884	71065901	71066657	+
Dync1li1	MmuEX0015956	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Dync1li1	MmuEX0015957	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Dync1li1	MmuEX0015958	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Dync1li1	MmuEX0015959	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Dync1li2	MmuEX0015960	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Dync1li2	MmuEX0015961	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Dync1li2	MmuEX0015962	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Dync2h1	MmuEX0015981	chr9	6994146	6996864	6996939	7001341	-
Dync2h1	MmuEX0015982	chr9	6983506	6993938	6994146	6996864	-
Dync2h1	MmuEX0015983	chr9	6983506	6992524	6992628	6993938	-
Dync2h1	MmuEX0015985	chr9	6955996	6967080	6967289	6983390	-
Dync2h1	MmuEX0015986	chr9	6935355	6940543	6940624	6941595	-
Dync2li1	MmuEX0015988	chr17	85025916	85027625	85027742	85030976	+
Dync2li1	MmuEX0015989	chr17	85046661	85046986	85047056	85048556	+
Dynll2	MmuEX0015990	chr11	87797512	87797669	87797760	87800745	-
Dynll2	MmuEX0015991	chr11	87795072	87797374	87797512	87797669	-
Dynlrb1	MmuEX0015992	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Dyrk1a	MmuEX0015993	chr16	94792141	94833026	94833111	94881104	+
Dyrk1b	MmuEX0015994	chr7	28964659	28966528	28966691	28967380	+
Dyrk1b	MmuEX0015995	chr7	28967499	28967598	28967786	28968083	+
Dyrk1b	MmuEX0015996	chr7	28970455	28970733	28970768	28970853	+
Dyrk1b	MmuEX0015997	chr7	28969546	28970087	28970233	28970315	+
Dyrk2	MmuEX0015998	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Dyrk2	MmuEX0015999	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Dysf	MmuEX0016006	chr6	84022753	84023856	84023959	84033710	+
Dysf	MmuEX0016007	chr6	83987283	83989500	83989591	84008413	+
Dysf	MmuEX0016008	chr6	84050272	84051857	84051963	84056804	+

Dysf	MmuEX0016009	chr6	84051963	84056804	84056996	84058041	+
Dysf	MmuEX0016010	chr6	83989591	84008413	84008518	84013315	+
Dysf	MmuEX0016011	chr6	84079558	84080110	84080187	84087212	+
Dysf	MmuEX0016012	chr6	84129764	84131364	84131452	84135952	+
Dysf	MmuEX0016013	chr6	84136080	84136347	84136502	84138199	+
Dysf	MmuEX0016014	chr6	84138290	84139678	84139848	84140749	+
Dysf	MmuEX0016015	chr6	84140891	84142890	84143029	84144313	+
Dysf	MmuEX0016016	chr6	84013429	84014465	84014557	84014870	+
Dysf	MmuEX0016017	chr6	84037868	84046471	84046512	84047702	+
Dysf	MmuEX0016018	chr6	84102403	84107133	84107195	84129666	+
Dyx1c1	MmuEX0016021	chr9	72816992	72819780	72819885	72820134	+
Dzip1l	MmuEX0016036	chr9	99556050	99560052	99560194	99561341	+
Dzip1l	MmuEX0016037	chr9	99561524	99563360	99563576	99563945	+
Dzip1l	MmuEX0016038	chr9	99564135	99564601	99564892	99566134	+
Dzip1l	MmuEX0016040	chr9	99542271	99542952	99543113	99547506	+
Dzip1l	MmuEX0016042	chr9	99543113	99545249	99545303	99547506	+
Dzip3	MmuEX0016043	chr16	48948689	48950114	48950146	48951656	-
Dzip3	MmuEX0016044	chr16	48938643	48940152	48940283	48941765	-
Dzip3	MmuEX0016045	chr16	48937186	48938547	48938643	48941765	-
Dzip3	MmuEX0016046	chr16	48978075	48979659	48979775	48981012	-
Dzip3	MmuEX0016047	chr16	48975660	48977995	48978075	48979659	-
Dzip3	MmuEX0016048	chr16	48961340	48972335	48972449	48975536	-
Dzip3	MmuEX0016049	chr16	48972449	48972585	48972721	48975536	-
Dzip3	MmuEX0016050	chr16	48950146	48951656	48952273	48953840	-
Dzip3	MmuEX0016051	chr16	48953916	48957766	48957818	48958532	-
Dzip3	MmuEX0016052	chr16	48982245	48984648	48984748	48993903	-
Dzip3	MmuEX0016053	chr16	48943665	48944876	48945041	48945711	-
Dzip3	MmuEX0016054	chr16	48942316	48943570	48943665	48944876	-
E130203B14Rik	MmuEX0016064	chr14	33670152	33676719	33677117	33700140	+
E130303B06Rik	MmuEX0016065	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
E130303B06Rik	MmuEX0016066	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
E130303B06Rik	MmuEX0016067	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
E130307A14Rik	MmuEX0016070	chr10	39401355	39442615	39442744	39451544	-
E130307A14Rik	MmuEX0016071	chr10	39360317	39401279	39401355	39451544	-
E130307A14Rik	MmuEX0016072	chr10	39360317	39375646	39375735	39401279	-
E130307A14Rik	MmuEX0016073	chr10	39360317	39374328	39374494	39375646	-
E130307A14Rik	MmuEX0016074	chr10	39360317	39365362	39365614	39401279	-
E130307A14Rik	MmuEX0016075	chr10	39342533	39360186	39360317	39365362	-
E130307A14Rik	MmuEX0016076	chr10	39342533	39359370	39359572	39360082	-
E130307A14Rik	MmuEX0016077	chr10	39342533	39352756	39352822	39359370	-
E130307A14Rik	MmuEX0016078	chr10	39342533	39342709	39342897	39352756	-
E130308A19Rik	MmuEX0016079	chr4	59639363	59703016	59704210	59750434	+
E130308A19Rik	MmuEX0016080	chr4	59704210	59750434	59750606	59765105	+
E130309D02Rik	MmuEX0016081	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
E130311K13Rik	MmuEX0016084	chr3	63729403	63731186	63731245	63733179	-
E130311K13Rik	MmuEX0016085	chr3	63719660	63720010	63720216	63724123	-
E130311K13Rik	MmuEX0016086	chr3	63724283	63729256	63729403	63731186	-

E2f3	MmuEX0016104	chr13	30003197	30005273	30005387	30008715	-
E2f4	MmuEX0016105	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
E2f5	MmuEX0016106	chr3	14602712	14603124	14603212	14603638	+
E2f5	MmuEX0016107	chr3	14579023	14581136	14581206	14587310	+
E2f5	MmuEX0016108	chr3	14579371	14587310	14587419	14588140	+
E2f5	MmuEX0016109	chr3	14601046	14602648	14602712	14603638	+
E2f6	MmuEX0016110	chr12	16823260	16825647	16825863	16827035	+
E2f6	MmuEX0016111	chr12	16818121	16819095	16819178	16820653	+
E2f6	MmuEX0016112	chr12	16818121	16820653	16820718	16823206	+
E2f6	MmuEX0016113	chr12	16829013	16831376	16831523	16832171	+
E2f8	MmuEX0016123	chr7	56123409	56123529	56123661	56126061	-
E430025E21Rik	MmuEX0016132	chr15	59182008	59183027	59183139	59184056	-
E430025E21Rik	MmuEX0016133	chr15	59177072	59177769	59177870	59178375	-
E430025E21Rik	MmuEX0016134	chr15	59173656	59175085	59175166	59175580	-
E430025E21Rik	MmuEX0016135	chr15	59166796	59167918	59168133	59168748	-
E430025E21Rik	MmuEX0016136	chr15	59187516	59188550	59188692	59190818	-
E430025E21Rik	MmuEX0016137	chr15	59166796	59168748	59168844	59170469	-
E430025E21Rik	MmuEX0016138	chr15	59200015	59200708	59200853	59201435	-
E4f1	MmuEX0016139	chr17	24582496	24582891	24583100	24583459	-
E4f1	MmuEX0016140	chr17	24581919	24582067	24582258	24582391	-
Eaf1	MmuEX0016141	chr14	32308557	32310895	32310989	32313306	+
Eaf2	MmuEX0016142	chr16	36810694	36824744	36824838	36828137	-
Eaf2	MmuEX0016143	chr16	36808246	36810558	36810694	36824744	-
Eapp	MmuEX0016144	chr12	55774837	55792987	55793070	55793762	-
Eapp	MmuEX0016145	chr12	55774837	55786847	55786958	55793762	-
Eapp	MmuEX0016146	chr12	55774837	55779497	55779610	55793762	-
Ears2	MmuEX0016147	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Ears2	MmuEX0016148	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Ears2	MmuEX0016149	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Ears2	MmuEX0016150	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Ebag9	MmuEX0016151	chr15	44461758	44468310	44468401	44471848	+
Ebf1	MmuEX0016152	chr11	44431814	44433916	44434072	44434669	+
Ebf1	MmuEX0016153	chr11	44697457	44721409	44721539	44737951	+
Ebf1	MmuEX0016155	chr11	44456971	44682594	44682675	44697316	+
Ebf2	MmuEX0016156	chr14	68033385	68042790	68042957	68046928	+
Ebf3	MmuEX0016157	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Ebf3	MmuEX0016158	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Ebf3	MmuEX0016159	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Ebf3	MmuEX0016160	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Ebpl	MmuEX0016168	chr14	61961063	61966209	61966278	61979057	-
Ecd	MmuEX0016169	chr14	21152679	21155291	21155419	21156104	-
Ecd	MmuEX0016170	chr14	21143803	21146446	21146513	21147825	-
Ecd	MmuEX0016171	chr14	21157718	21162478	21162595	21165833	-
Ece1	MmuEX0016172	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Ece1	MmuEX0016174	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ece1	MmuEX0016175	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ech1	MmuEX0016191	chr7	29615297	29615745	29615831	29616236	+

Ech1	MmuEX0016192	chr7	29616306	29616408	29616479	29616736	+
Echdc1	MmuEX0016193	chr10	29042223	29051625	29051677	29053997	+
Echdc2	MmuEX0016194	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Echdc2	MmuEX0016195	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Echdc2	MmuEX0016196	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Echdc2	MmuEX0016197	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Echdc2	MmuEX0016198	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Echdc2	MmuEX0016199	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Echdc3	MmuEX0016200	chr2	6110697	6116629	6116829	6127461	-
Echs1	MmuEX0016201	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Ecm1	MmuEX0016202	chr3	95538833	95539122	95539342	95539770	-
Ecm1	MmuEX0016203	chr3	95539342	95539770	95540144	95540395	-
Ecm1	MmuEX0016204	chr3	95541865	95541935	95542036	95542162	-
Ecm1	MmuEX0016205	chr3	95540714	95541731	95541790	95542162	-
Ecm1	MmuEX0016206	chr3	95540714	95541556	95541636	95542162	-
Ecm1	MmuEX0016207	chr3	95540714	95540936	95540977	95541556	-
Ecm2	MmuEX0016208	chr13	49610468	49613671	49613859	49615941	+
Ecscr	MmuEX0016209	chr18	35873391	35874833	35874869	35875077	-
Ecscr	MmuEX0016210	chr18	35873088	35873295	35873391	35874833	-
Ecscr	MmuEX0016211	chr18	35875175	35875607	35875729	35876407	-
Ecscr	MmuEX0016212	chr18	35876944	35877226	35877541	35878002	-
Ecsit	MmuEX0016213	chr9	21882709	21888467	21888652	21889793	-
Ecsit	MmuEX0016214	chr9	21878184	21879035	21879258	21880672	-
Ecsit	MmuEX0016215	chr9	21881089	21882592	21882709	21888467	-
Edc3	MmuEX0016227	chr9	57587850	57589584	57589664	57592392	+
Edc3	MmuEX0016228	chr9	57556506	57560187	57560282	57561188	+
Edc3	MmuEX0016229	chr9	57561368	57563755	57564074	57574993	+
Edc4	MmuEX0016230	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Edc4	MmuEX0016231	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Edc4	MmuEX0016232	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Edc4	MmuEX0016233	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Edem1	MmuEX0016234	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Edem1	MmuEX0016235	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Edem1	MmuEX0016236	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Edem1	MmuEX0016237	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Edem1	MmuEX0016238	chr6	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Edem2	MmuEX0016239	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Edem2	MmuEX0016240	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Edem2	MmuEX0016241	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Edem3	MmuEX0016242	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Edem3	MmuEX0016243	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Edem3	MmuEX0016244	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Eea1	MmuEX0016249	chr10	95486686	95488666	95488805	95489191	+
Eea1	MmuEX0016250	chr10	95499399	95500048	95500179	95501327	+
Eea1	MmuEX0016251	chr10	95459726	95462985	95462999	95465521	+
Eea1	MmuEX0016252	chr10	95452943	95453034	95453099	95455864	+
Eea1	MmuEX0016253	chr10	95489787	95491027	95491221	95494145	+

Eea1	MmuEX0016254	chr10	95436712	95440795	95440920	95452196	+
Eea1	MmuEX0016255	chr10	95436712	95452196	95452323	95452889	+
Eed	MmuEX0016256	chr7	97120833	97125407	97125559	97128922	-
Eed	MmuEX0016257	chr7	97110871	97113239	97113372	97116223	-
Eed	MmuEX0016258	chr7	97104114	97104765	97104923	97110766	-
Eed	MmuEX0016259	chr7	97118941	97120050	97120115	97120741	-
Eed	MmuEX0016260	chr7	97116314	97118081	97118162	97118816	-
Eed	MmuEX0016261	chr7	97104923	97110766	97110871	97113239	-
Eef1d	MmuEX0016265	chr15	75727349	75731121	75731192	75731562	-
Eef1d	MmuEX0016266	chr15	75727349	75727656	75727712	75731121	-
Eef1d	MmuEX0016268	chr15	75726894	75727250	75727347	75731562	-
Eef1d	MmuEX0016269	chr15	75726894	75727070	75727170	75731562	-
Eef1e1	MmuEX0016270	chr13	38738179	38746865	38746960	38747909	-
Eef2k	MmuEX0016272	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016273	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016274	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016275	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016276	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016277	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016278	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016279	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016280	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016281	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016282	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eef2k	MmuEX0016283	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Eefsec	MmuEX0016284	chr6	88248230	88305477	88305641	88308540	-
Eefsec	MmuEX0016285	chr6	88248230	88262699	88262797	88305477	-
Eefsec	MmuEX0016286	chr6	88231699	88247571	88248230	88305477	-
Eefsec	MmuEX0016287	chr6	88208385	88231543	88231699	88247571	-
Eefsec	MmuEX0016288	chr6	88308636	88326198	88326405	88396030	-
Eefsec	MmuEX0016289	chr6	88305641	88308540	88308636	88326198	-
Eepd1	MmuEX0016290	chr9	25397158	25402146	25402340	25410994	+
Eepd1	MmuEX0016291	chr9	25290904	25355137	25355188	25389477	+
Eepd1	MmuEX0016292	chr9	25355188	25389477	25389587	25394247	+
Efcab2	MmuEX0016296	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Efcab2	MmuEX0016297	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Efcab2	MmuEX0016298	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Efcab2	MmuEX0016299	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Efcab4a	MmuEX0016304	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Efcab4a	MmuEX0016305	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Efcab4a	MmuEX0016306	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Efemp1	MmuEX0016333	chr11	28768039	28810610	28810732	28814588	+
Efemp2	MmuEX0016335	chr19	5474774	5475061	5475178	5475408	+
Efemp2	MmuEX0016336	chr19	5475178	5475408	5475456	5476066	+
Efemp2	MmuEX0016337	chr19	5477684	5477927	5478043	5478201	+
Efha1	MmuEX0016338	chr14	58538289	58542777	58542948	58546034	-
Efha1	MmuEX0016339	chr14	58562507	58564222	58564269	58572973	-

Efha1	MmuEX0016340	chr14	58551140	58558931	58559200	58562425	-
Efha1	MmuEX0016341	chr14	58551140	58551544	58551566	58562425	-
Efha1	MmuEX0016342	chr14	58546131	58551075	58551140	58562425	-
Efha2	MmuEX0016343	chr8	41421317	41423466	41423565	41425652	+
Efha2	MmuEX0016344	chr8	41464294	41466026	41466183	41467463	+
Efha2	MmuEX0016345	chr8	41466183	41467463	41467531	41469963	+
Efha2	MmuEX0016347	chr8	41434372	41437390	41437437	41439657	+
Efha2	MmuEX0016348	chr8	41444802	41451503	41451598	41460891	+
Efha2	MmuEX0016349	chr8	41421317	41425652	41425683	41434294	+
Efha2	MmuEX0016350	chr8	41442281	41444764	41444802	41451503	+
Efhd1	MmuEX0016361	chr1	89186190	89194204	89194338	89206236	+
Efna1	MmuEX0016362	chr3	89076944	89080052	89080347	89083373	-
Efna1	MmuEX0016363	chr3	89076744	89076879	89076944	89080052	-
Efna5	MmuEX0016366	chr17	62956812	62962665	62962745	62963186	-
Efnb2	MmuEX0016367	chr8	8639489	8641084	8641256	8660484	-
Efnb2	MmuEX0016368	chr8	8620976	8622331	8622444	8623148	-
Efnb2	MmuEX0016369	chr8	8622444	8623148	8623240	8639206	-
Efnb3	MmuEX0016370	chr11	69370994	69372106	69372176	69373194	-
Efnb3	MmuEX0016371	chr11	69370500	69370702	69370994	69373194	-
Efr3a	MmuEX0016372	chr15	65618808	65619864	65619943	65621702	+
Efr3a	MmuEX0016373	chr15	65618808	65646897	65646973	65649995	+
Efr3a	MmuEX0016374	chr15	65688151	65688469	65688515	65689026	+
Efr3a	MmuEX0016375	chr15	65688151	65689026	65689153	65693214	+
Efr3a	MmuEX0016376	chr15	65689153	65689463	65689513	65693214	+
Efr3a	MmuEX0016377	chr15	65693305	65696232	65696453	65697440	+
Efr3a	MmuEX0016378	chr15	65646973	65648758	65648890	65649995	+
Efr3a	MmuEX0016379	chr15	65618808	65649995	65650122	65661289	+
Efr3a	MmuEX0016380	chr15	65650122	65651282	65651432	65656176	+
Efr3a	MmuEX0016381	chr15	65651432	65656176	65656297	65661289	+
Efr3b	MmuEX0016382	chr12	3978085	3980142	3980193	3980451	-
Efr3b	MmuEX0016384	chr12	3971893	3972824	3972995	3973608	-
Efr3b	MmuEX0016385	chr12	3971067	3971180	3971255	3971766	-
Efr3b	MmuEX0016386	chr12	3973675	3976715	3976876	3977119	-
Efr3b	MmuEX0016387	chr12	3973675	3975336	3975467	3976715	-
Efr3b	MmuEX0016388	chr12	3985551	4000880	4000956	4038704	-
Efr3b	MmuEX0016389	chr12	3985551	3999590	3999717	4038704	-
Efr3b	MmuEX0016390	chr12	3985551	3992906	3993056	3999590	-
Efs	MmuEX0016392	chr14	55538255	55538532	55539251	55539342	-
Eftud1	MmuEX0016393	chr7	89823092	89829862	89829985	89831515	+
Eftud1	MmuEX0016394	chr7	89832951	89835175	89835274	89840973	+
Eftud1	MmuEX0016395	chr7	89911924	89915230	89915361	89920967	+
Eftud1	MmuEX0016396	chr7	89798141	89800391	89800458	89806567	+
Eftud1	MmuEX0016397	chr7	89797188	89798036	89798141	89800391	+
Eftud1	MmuEX0016398	chr7	89841506	89846389	89846527	89899302	+
Eftud1	MmuEX0016399	chr7	89846527	89899302	89899433	89920967	+
Eftud1	MmuEX0016400	chr7	89899433	89902084	89902231	89920967	+
Eftud1	MmuEX0016401	chr7	89911924	89920967	89921151	89926001	+

Eftud2	MmuEX0016402	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Eftud2	MmuEX0016403	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Eftud2	MmuEX0016404	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Egf	MmuEX0016405	chr3	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Egf	MmuEX0016411	chr3	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Egfl7	MmuEX0016419	chr2	26441195	26443181	26443286	26444565	+
Egfl7	MmuEX0016420	chr2	26444966	26445900	26446015	26446097	+
Egfl7	MmuEX0016421	chr2	26446583	26447184	26447248	26447638	+
Egfl7	MmuEX0016422	chr2	26447248	26447638	26447761	26447938	+
Egln1	MmuEX0016432	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Egln1	MmuEX0016433	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Egln1	MmuEX0016434	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Egln2	MmuEX0016435	chr7	27944610	27944806	27944942	27945307	-
Egln2	MmuEX0016436	chr7	27944230	27944543	27944610	27944806	-
Egln2	MmuEX0016437	chr7	27944942	27945307	27945426	27949639	-
Egln3	MmuEX0016438	chr12	55285003	55286528	55286647	55304192	-
Ehbp1	MmuEX0016440	chr11	22046628	22047427	22047540	22051070	-
Ehbp1	MmuEX0016441	chr11	21989671	21995321	21996202	22000425	-
Ehbp1	MmuEX0016442	chr11	21962890	21968362	21968509	21989528	-
Ehbp1	MmuEX0016443	chr11	21906874	21907086	21907200	21913487	-
Ehbp1	MmuEX0016444	chr11	22073009	22132005	22132058	22139146	-
Ehbp1	MmuEX0016446	chr11	21953558	21956533	21956630	21956786	-
Ehbp1	MmuEX0016447	chr11	21959264	21962783	21962890	21968362	-
Ehbp1	MmuEX0016448	chr11	22051192	22051791	22051895	22069038	-
Ehbp1l1	MmuEX0016449	chr19	5708831	5710211	5710310	5710574	-
Ehbp1l1	MmuEX0016450	chr19	5708425	5708556	5708670	5708758	-
Ehbp1l1	MmuEX0016451	chr19	5720407	5720564	5720726	5720809	-
Ehbp1l1	MmuEX0016452	chr19	5720877	5720972	5721007	5721442	-
Ehbp1l1	MmuEX0016453	chr19	5721845	5721957	5722010	5722646	-
Ehbp1l1	MmuEX0016454	chr19	5717196	5720185	5720407	5720564	-
Ehbp1l1	MmuEX0016455	chr19	5716944	5717039	5717196	5720809	-
Ehd1	MmuEX0016456	chr19	6281315	6294214	6294626	6297533	+
Ehd2	MmuEX0016457	chr7	16548826	16549256	16549715	16552769	-
Ehd2	MmuEX0016458	chr7	16549715	16550892	16550895	16552769	-
Ehhadh	MmuEX0016461	chr16	21775584	21777872	21777975	21787780	-
Ehmt1	MmuEX0016462	chr2	24742589	24768787	24768918	24775074	-
Ehmt1	MmuEX0016463	chr2	24742589	24775074	24775174	76498261	-
Ehmt1	MmuEX0016464	chr2	24692022	24693096	24693178	24694221	-
Ehmt1	MmuEX0016465	chr2	24661888	24669047	24669151	24671251	-
Ehmt1	MmuEX0016466	chr2	24660761	24661734	24661888	24669047	-
Ehmt1	MmuEX0016467	chr2	24712246	24713693	24713770	24718743	-
Ehmt1	MmuEX0016468	chr2	24659540	24660280	24660424	24660594	-
Ehmt1	MmuEX0016469	chr2	24740222	24742523	24742586	24775074	-
Ehmt1	MmuEX0016470	chr2	24733146	24739666	24740222	24742517	-
Ehmt1	MmuEX0016471	chr2	24657105	24657541	24657627	24658534	-
Ehmt1	MmuEX0016472	chr2	24647976	24657027	24657105	24658534	-
Ehmt1	MmuEX0016473	chr2	24713770	24719292	24719425	24732975	-

Ehmt1	MmuEX0016474	chr2	24713770	24718743	24718931	24719292	-
Ehmt1	MmuEX0016475	chr2	24703609	24708185	24708322	24712126	-
Ehmt1	MmuEX0016476	chr2	24696299	24703464	24703609	24708185	-
Ehmt1	MmuEX0016477	chr2	24695276	24696156	24696299	24703464	-
Ehmt2	MmuEX0016478	chr17	35043003	35043096	35043239	35043322	+
Ehmt2	MmuEX0016479	chr17	35044382	35044467	35044589	35044688	+
Ehmt2	MmuEX0016480	chr17	35045750	35047636	35047780	35047923	+
Ehmt2	MmuEX0016481	chr17	35040423	35042074	35042211	35042287	+
Ehmt2	MmuEX0016482	chr17	35040164	35040268	35040423	35042074	+
Ehmt2	MmuEX0016483	chr17	35042401	35042555	35042656	35042855	+
Ehmt2	MmuEX0016484	chr17	35048000	35048308	35048423	35048524	+
Ei24	MmuEX0016485	chr9	36593237	36593521	36593645	36594068	-
Eif1a	MmuEX0016486	chr18	46758354	46758931	46759054	46767158	+
Eif1ad	MmuEX0016487	chr19	5367210	5368058	5368276	5368422	+
Eif2a	MmuEX0016488	chr3	58330008	58335009	58335078	58341456	+
Eif2a	MmuEX0016489	chr3	58356604	58359457	58359573	58360495	+
Eif2a	MmuEX0016490	chr3	58359573	58360495	58360560	58365696	+
Eif2a	MmuEX0016491	chr3	58360560	58361043	58361423	58365696	+
Eif2a	MmuEX0016492	chr3	58341530	58342629	58342769	58343450	+
Eif2a	MmuEX0016493	chr3	58341530	58343512	58343568	58344962	+
Eif2ak1	MmuEX0016494	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Eif2ak1	MmuEX0016495	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Eif2ak1	MmuEX0016496	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Eif2ak1	MmuEX0016497	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Eif2ak1	MmuEX0016498	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Eif2ak2	MmuEX0016499	chr17	79275642	79277482	79277613	79281740	-
Eif2ak2	MmuEX0016500	chr17	79273419	79275522	79275642	79277482	-
Eif2ak3	MmuEX0016501	chr6	70795015	70808381	70808510	70826672	+
Eif2ak3	MmuEX0016502	chr6	70843135	70846910	70847077	70850226	+
Eif2ak3	MmuEX0016503	chr6	70850327	70851399	70851461	70854082	+
Eif2ak4	MmuEX0016504	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016505	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016506	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016507	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016508	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016509	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016510	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016511	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016512	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016513	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016514	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016515	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016516	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2ak4	MmuEX0016517	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eif2b1	MmuEX0016518	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Eif2b2	MmuEX0016519	chr12	86564468	86565505	86565571	86566953	+
Eif2b2	MmuEX0016520	chr12	86563789	86564331	86564468	86565505	+

Eif2b3	MmuEX0016521	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eif2b3	MmuEX0016522	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eif2b5	MmuEX0016523	chr16	20502057	20502316	20502393	20502603	+
Eif2b5	MmuEX0016524	chr16	20505413	20505535	20505636	20506454	+
Eif2b5	MmuEX0016525	chr16	20502915	20504718	20504863	20505272	+
Eif2c1	MmuEX0016526	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c1	MmuEX0016527	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c1	MmuEX0016528	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c1	MmuEX0016529	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016530	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016531	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016532	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016535	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016536	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016537	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c3	MmuEX0016538	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016539	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016540	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016541	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016542	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016543	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016544	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016545	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2c4	MmuEX0016546	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Eif2d	MmuEX0016547	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Eif2d	MmuEX0016548	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Eif2d	MmuEX0016549	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Eif2d	MmuEX0016550	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Eif2d	MmuEX0016551	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Eif2d	MmuEX0016552	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Eif2s3x	MmuEX0016553	chrX	91454789	91457058	91457121	91457904	-
Eif2s3y	MmuEX0016556	chrY	356598	359745	359917	364631	+
Eif2s3y	MmuEX0016557	chrY	347128	347703	347766	348283	+
Eif2s3y	MmuEX0016558	chrY	347766	348283	348410	348491	+
Eif2s3y	MmuEX0016559	chrY	349916	350690	350762	351077	+
Eif2s3y	MmuEX0016560	chrY	348612	349822	349916	351077	+
Eif2s3y	MmuEX0016561	chrY	353956	356429	356598	359549	+
Eif3a	MmuEX0016562	chr19	60848942	60849410	60849595	60849804	-
Eif3a	MmuEX0016563	chr19	60857420	60857788	60857924	60858071	-
Eif3a	MmuEX0016564	chr19	60838203	60838968	60839167	60839935	-
Eif3a	MmuEX0016565	chr19	60854050	60855261	60855460	60857257	-
Eif3a	MmuEX0016566	chr19	60849920	60851196	60851294	60851654	-
Eif3b	MmuEX0016567	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Eif3b	MmuEX0016568	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Eif3b	MmuEX0016569	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Eif3b	MmuEX0016570	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Eif3b	MmuEX0016571	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+

Eif3c	MmuEX0016572	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Eif3c	MmuEX0016573	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Eif3c	MmuEX0016574	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Eif3g	MmuEX0016577	chr9	20702611	20702822	20702868	20702988	-
Eif3i	MmuEX0016578	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Eif3i	MmuEX0016579	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Eif3k	MmuEX0016581	chr7	29763009	29765463	29765561	29766693	-
Eif3l	MmuEX0016582	chr15	78908583	78909423	78909484	78912017	+
Eif3l	MmuEX0016583	chr15	78905722	78906201	78906249	78907261	+
Eif3l	MmuEX0016584	chr15	78907471	78908504	78908583	78909423	+
Eif4a2	MmuEX0016585	chr16	23108706	23108792	23108924	23109193	+
Eif4b	MmuEX0016586	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Eif4b	MmuEX0016587	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Eif4e	MmuEX0016590	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4e2	MmuEX0016591	chr1	89110594	89110921	89111070	89116156	+
Eif4e2	MmuEX0016592	chr1	89122808	89128978	89129056	89134421	+
Eif4e3	MmuEX0016593	chr6	99590704	99601713	99601785	99616622	-
Eif4e3	MmuEX0016595	chr6	99258432	99349599	99349711	99385210	-
Eif4e3	MmuEX0016596	chr6	99582406	99590610	99590704	99601713	-
Eif4e3	MmuEX0016597	chr6	99582406	99589157	99589213	99590606	-
Eif4e3	MmuEX0016598	chr6	99582406	99586103	99586169	99589157	-
Eif4ebp2	MmuEX0016600	chr10	60897851	60905318	60905472	60915150	-
Eif4enif1	MmuEX0016602	chr11	3142721	3143186	3143353	3143854	+
Eif4enif1	MmuEX0016603	chr11	3120533	3121096	3121297	3124635	+
Eif4enif1	MmuEX0016604	chr11	3130104	3133991	3134062	3134465	+
Eif4enif1	MmuEX0016605	chr11	3130104	3134588	3134648	3140898	+
Eif4enif1	MmuEX0016606	chr11	3130104	3135584	3135663	3140898	+
Eif4enif1	MmuEX0016607	chr11	3130104	3136217	3136356	3140898	+
Eif4enif1	MmuEX0016608	chr11	3130104	3139404	3139488	3140898	+
Eif4g1	MmuEX0016609	chr16	20672949	20673672	20673728	20673941	+
Eif4g1	MmuEX0016610	chr16	20678747	20678957	20679023	20679286	+
Eif4g1	MmuEX0016611	chr16	20680874	20680963	20681149	20681256	+
Eif4g1	MmuEX0016612	chr16	20681389	20681493	20681651	20681810	+
Eif4g1	MmuEX0016613	chr16	20684581	20685584	20685686	20685932	+
Eif4g1	MmuEX0016614	chr16	20674387	20675417	20675593	20675803	+
Eif4g1	MmuEX0016615	chr16	20673728	20673941	20674034	20674301	+
Eif4g1	MmuEX0016616	chr16	20673728	20674305	20674387	20675417	+
Eif4g1	MmuEX0016617	chr16	20674387	20674859	20674879	20675417	+
Eif4g2	MmuEX0016618	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Eif4g2	MmuEX0016619	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Eif4g2	MmuEX0016620	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Eif4g2	MmuEX0016621	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Eif4g2	MmuEX0016622	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Eif4g2	MmuEX0016623	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Eif4g3	MmuEX0016624	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016626	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016627	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+

Eif4g3	MmuEX0016628	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016629	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016630	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016631	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016632	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016633	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016634	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016635	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016636	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016637	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016638	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016639	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016640	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016641	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016642	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4g3	MmuEX0016643	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Eif4h	MmuEX0016644	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Eif4h	MmuEX0016645	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Eif5	MmuEX0016646	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Eif5	MmuEX0016647	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Eif5	MmuEX0016648	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Eif5	MmuEX0016649	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Eif5a	MmuEX0016650	chr11	69732838	69733843	69733936	69734665	-
Eif5a	MmuEX0016651	chr11	69732838	69732951	69732980	69733843	-
Eif5b	MmuEX0016652	chr1	38097585	38098542	38098683	38101549	+
Eif5b	MmuEX0016653	chr1	38074954	38075710	38076379	38078439	+
Eif6	MmuEX0016654	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Elac1	MmuEX0016655	chr18	73898954	73901991	73902455	73906821	-
Elac1	MmuEX0016656	chr18	73898954	73901212	73901328	73901991	-
Elac2	MmuEX0016657	chr11	64794174	64795119	64795176	64796258	+
Elavl1	MmuEX0016658	chr8	4321270	4322703	4322832	4324886	-
Elavl1	MmuEX0016659	chr8	4312614	4321029	4321270	4324886	-
Elavl1	MmuEX0016660	chr8	4289924	4295336	4295561	4301685	-
Elavl1	MmuEX0016661	chr8	4295561	4300415	4300507	4301685	-
Elavl1	MmuEX0016662	chr8	4311786	4312557	4312614	4324886	-
Elf1	MmuEX0016671	chr14	79881444	79935930	79936229	79960554	+
Elf1	MmuEX0016672	chr14	79960734	79965269	79965379	79966957	+
Elf2	MmuEX0016673	chr3	51127373	51129870	51129957	51144336	-
Elf2	MmuEX0016674	chr3	51112137	51127144	51127373	51129870	-
Elf2	MmuEX0016675	chr3	51070788	51111972	51112137	51127144	-
Elf2	MmuEX0016676	chr3	51098110	51103705	51103807	51111972	-
Elf2	MmuEX0016677	chr3	51068964	51069735	51069967	51070675	-
Elf4	MmuEX0016678	chrX	45774052	45777255	45777531	45807049	-
Elf4	MmuEX0016679	chrX	45768623	45769824	45770201	45771048	-
Elk3	MmuEX0016682	chr10	92717556	92727625	92727755	92728082	-
Elk4	MmuEX0016683	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Elk4	MmuEX0016684	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+

ElI	MmuEX0016685	chr8	73063740	73096762	73096809	73102736	+
ElI	MmuEX0016686	chr8	73096809	73102736	73102857	73102992	+
ElI	MmuEX0016687	chr8	73103155	73105454	73105719	73107771	+
ElI	MmuEX0016688	chr8	73109927	73114419	73114479	73114593	+
ElI2	MmuEX0016689	chr13	75901563	75903602	75903668	75906987	+
ElI2	MmuEX0016690	chr13	75845245	75862401	75862448	75883740	+
ElI2	MmuEX0016691	chr13	75862448	75883740	75883861	75893723	+
ElI2	MmuEX0016692	chr13	75883861	75887373	75887532	75893723	+
Elmo1	MmuEX0016694	chr13	20301080	20333442	20333492	20342873	+
Elmo1	MmuEX0016695	chr13	20353461	20366389	20366488	20372681	+
Elmo1	MmuEX0016697	chr13	20379882	20382231	20382362	20434237	+
Elmo1	MmuEX0016698	chr13	20382362	20434237	20434341	20464951	+
Elmo1	MmuEX0016699	chr13	20465059	20541339	20541475	20656293	+
Elmo1	MmuEX0016700	chr13	20664326	20674088	20674195	20681513	+
Elmo1	MmuEX0016701	chr13	20277373	20283904	20284043	20300003	+
Elmo1	MmuEX0016702	chr13	20681595	20692049	20692126	20696968	+
Elmo2	MmuEX0016703	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Elmo2	MmuEX0016704	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Elmo2	MmuEX0016705	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Elmo2	MmuEX0016706	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Elmo2	MmuEX0016707	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Elmo2	MmuEX0016708	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Elmo3	MmuEX0016715	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Elmod2	MmuEX0016718	chr8	85840833	85841630	85841698	85843313	-
Elmod3	MmuEX0016719	chr6	72545014	72546430	72546460	72548316	-
Elmod3	MmuEX0016720	chr6	72525765	72527248	72527370	72527559	-
Elmod3	MmuEX0016721	chr6	72519331	72525635	72525765	72527248	-
Elmod3	MmuEX0016722	chr6	72518936	72519255	72519331	72525635	-
Elmod3	MmuEX0016723	chr6	72530363	72536439	72536508	72537605	-
Elmod3	MmuEX0016724	chr6	72545014	72547618	72547639	72548291	-
Eln	MmuEX0016725	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Eln	MmuEX0016726	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Eln	MmuEX0016727	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Eln	MmuEX0016728	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Elovl1	MmuEX0016729	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Elovl1	MmuEX0016730	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Elp2	MmuEX0016739	chr18	24791381	24792840	24792973	24793402	+
Elp2	MmuEX0016740	chr18	24792973	24793402	24793509	24796895	+
Elp2	MmuEX0016741	chr18	24765436	24768131	24768201	24770414	+
Elp2	MmuEX0016742	chr18	24777679	24777883	24778014	24780580	+
Elp2	MmuEX0016743	chr18	24771026	24772917	24772981	24774390	+
Elp2	MmuEX0016744	chr18	24772981	24773662	24773728	24774390	+
Elp3	MmuEX0016745	chr14	66170312	66178958	66179151	66182089	-
Elp3	MmuEX0016746	chr14	66168322	66170222	66170312	66178958	-
Elp4	MmuEX0016747	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Elp4	MmuEX0016748	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Emcn	MmuEX0016751	chr3	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+

Emcn	MmuEX0016752	chr3	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Emcn	MmuEX0016753	chr3	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Emd	MmuEX0016754	chrX	71501215	71502217	71502263	71502346	+
Eme2	MmuEX0016759	chr17	25029628	25030496	25030587	25031076	-
Eme2	MmuEX0016760	chr17	25029889	25030250	25030343	25030496	-
Eme2	MmuEX0016761	chr17	25029889	25029984	25030099	25030250	-
Eme2	MmuEX0016762	chr17	25029628	25029700	25029889	25031076	-
Emg1	MmuEX0016763	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Emid1	MmuEX0016764	chr11	5029723	5030635	5030781	5031485	-
Emid1	MmuEX0016768	chr11	5006972	5010693	5010777	5016883	-
Emid1	MmuEX0016770	chr11	5035434	5043882	5043927	5044298	-
Emid1	MmuEX0016774	chr11	5030781	5031485	5031574	5031923	-
Emilin1	MmuEX0016776	chr5	31216417	31217355	31217480	31217890	+
Emilin2	MmuEX0016777	chr17	71624627	71630014	71630189	71659489	-
Eml1	MmuEX0016778	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Eml1	MmuEX0016779	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Eml1	MmuEX0016780	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Eml1	MmuEX0016781	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Eml1	MmuEX0016782	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Eml2	MmuEX0016783	chr7	19771720	19776067	19776162	19776933	+
Eml2	MmuEX0016784	chr7	19785980	19786473	19786540	19786914	+
Eml2	MmuEX0016785	chr7	19787002	19787179	19787276	19787858	+
Eml2	MmuEX0016786	chr7	19787002	19787858	19787945	19788326	+
Eml2	MmuEX0016787	chr7	19787945	19788326	19788421	19789251	+
Eml3	MmuEX0016788	chr19	9008646	9008732	9008842	9009441	+
Eml3	MmuEX0016789	chr19	9008842	9009441	9009536	9010794	+
Eml3	MmuEX0016790	chr19	9011977	9012053	9012184	9012952	+
Eml3	MmuEX0016791	chr19	9013994	9015069	9015167	9015393	+
Eml3	MmuEX0016792	chr19	9005993	9007732	9007799	9007913	+
Eml3	MmuEX0016793	chr19	9008036	9008260	9008430	9008577	+
Eml3	MmuEX0016794	chr19	9012184	9012952	9013019	9013518	+
Eml3	MmuEX0016795	chr19	9013775	9013907	9013994	9015069	+
Eml3	MmuEX0016796	chr19	9015167	9015393	9015523	9015620	+
Eml4	MmuEX0016800	chr17	83853892	83855372	83855497	83855582	+
Eml4	MmuEX0016801	chr17	83872473	83872990	83873088	83876544	+
Eml4	MmuEX0016803	chr17	83850414	83853741	83853892	83855372	+
Eml4	MmuEX0016804	chr17	83860957	83862838	83862935	83872386	+
Eml4	MmuEX0016805	chr17	83821075	83824598	83824771	83826563	+
Eml4	MmuEX0016806	chr17	83821075	83826563	83826691	83827340	+
Eml5	MmuEX0016807	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016808	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016809	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016811	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016812	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016813	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016815	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016817	chr12	1E+08	1E+08	1E+08	1E+08	-

Eml5	MmuEX0016818	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016819	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016820	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016821	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016823	chr12	1E+08	1E+08	1E+08	1E+08	-
Eml5	MmuEX0016824	chr12	1E+08	1E+08	1E+08	1E+08	-
Emp3	MmuEX0016832	chr7	53175407	53175659	53175774	53176497	-
Emr1	MmuEX0016833	chr17	57546403	57547769	57547918	57550141	+
Emr1	MmuEX0016834	chr17	57550514	57553096	57553184	57558745	+
Emr1	MmuEX0016835	chr17	57559947	57580678	57580794	57583321	+
Emr1	MmuEX0016836	chr17	57498179	57501095	57501154	57541328	+
Emr1	MmuEX0016837	chr17	57501157	57541328	57541474	57546257	+
Emr1	MmuEX0016838	chr17	57541474	57541972	57542079	57546257	+
Emr1	MmuEX0016839	chr17	57542079	57542165	57542284	57546257	+
Emr1	MmuEX0016840	chr17	57542284	57546257	57546403	57550141	+
Emr1	MmuEX0016841	chr17	57600182	57615252	57615343	57620343	+
Emr1	MmuEX0016842	chr17	57615343	57618195	57618363	57620343	+
Emr1	MmuEX0016843	chr17	57584602	57587253	57587447	57589289	+
Enah	MmuEX0016847	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016848	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016849	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016850	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016851	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016852	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016853	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Enah	MmuEX0016854	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Endog	MmuEX0016855	chr2	30027586	30027986	30028043	30028362	+
Endog	MmuEX0016856	chr2	30027586	30028362	30028471	30029211	+
Eng	MmuEX0016858	chr2	32513190	32524943	32525083	32526862	+
Eng	MmuEX0016859	chr2	32527027	32527738	32527903	32528357	+
Engase	MmuEX0016860	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Engase	MmuEX0016861	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Engase	MmuEX0016862	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Eno1	MmuEX0016865	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Eno2	MmuEX0016867	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Eno3	MmuEX0016869	chr11	70472166	70472304	70472418	70472530	+
Eno3	MmuEX0016870	chr11	70471762	70471891	70471949	70472097	+
Enoph1	MmuEX0016876	chr5	1E+08	1E+08	1E+08	1E+08	+
Enox2	MmuEX0016888	chrX	46521961	46640033	46640081	46641278	-
Enox2	MmuEX0016889	chrX	46372071	46376271	46376378	46378340	-
Enox2	MmuEX0016890	chrX	46366759	46371960	46372071	46376271	-
Enox2	MmuEX0016891	chrX	46433928	46521818	46521961	46640022	-
Enox2	MmuEX0016892	chrX	46364811	46366310	46366357	46366674	-
Enox2	MmuEX0016893	chrX	46415526	46422812	46422967	46433794	-
Enpp1	MmuEX0016894	chr10	24381781	24384361	24384433	24384717	-
Enpp1	MmuEX0016895	chr10	24371202	24372641	24372692	24373709	-
Enpp3	MmuEX0016903	chr10	24497777	24498499	24498631	24504596	-

Enpp3	MmuEX0016904	chr10	24507703	24513391	24513457	24515492	-
Enpp3	MmuEX0016905	chr10	24507703	24511795	24511882	24515492	-
Enpp4	MmuEX0016906	chr17	44238430	44238756	44239613	44242598	-
Enpp4	MmuEX0016907	chr17	44236626	44238260	44238430	44238756	-
Enpp5	MmuEX0016908	chr17	44215931	44217596	44217723	44217887	+
Ensa	MmuEX0016909	chr3	95429098	95430671	95430796	95432463	+
Entpd1	MmuEX0016912	chr19	40800748	40801778	40802038	40808157	+
Entpd1	MmuEX0016913	chr19	40734390	40785653	40785780	40794947	+
Entpd1	MmuEX0016914	chr19	40785780	40794947	40795064	40797577	+
Entpd2	MmuEX0016915	chr2	25251609	25252916	25253033	25253521	+
Entpd2	MmuEX0016916	chr2	25253671	25253811	25253970	25254052	+
Entpd4	MmuEX0016918	chr14	69965651	69967130	69967327	69968760	+
Entpd4	MmuEX0016919	chr14	69981710	69982380	69982541	69983577	+
Entpd5	MmuEX0016920	chr12	85726159	85726547	85726656	85726747	-
Entpd5	MmuEX0016921	chr12	85723322	85725169	85725270	85726098	-
Entpd5	MmuEX0016922	chr12	85721327	85723182	85723322	85725169	-
Entpd5	MmuEX0016923	chr12	85726159	85726747	85726826	85727088	-
Entpd5	MmuEX0016924	chr12	85737908	85740290	85740362	85746356	-
Entpd6	MmuEX0016925	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016926	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016927	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016928	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016929	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016930	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016931	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Entpd6	MmuEX0016932	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Eny2	MmuEX0016939	chr15	44264054	44264269	44264315	44265400	+
Eny2	MmuEX0016940	chr15	44261182	44262237	44262340	44263984	+
Ep300	MmuEX0016942	chr15	81455064	81456768	81456905	81457533	+
Ep300	MmuEX0016943	chr15	81462942	81464434	81464514	81466608	+
Ep300	MmuEX0016944	chr15	81466664	81467196	81467273	81469410	+
Ep300	MmuEX0016945	chr15	81467273	81469410	81469477	81470171	+
Ep300	MmuEX0016946	chr15	81470321	81470425	81470571	81470870	+
Ep300	MmuEX0016947	chr15	81473621	81475305	81475466	81478769	+
Ep300	MmuEX0016948	chr15	81429441	81431338	81431975	81438627	+
Ep300	MmuEX0016949	chr15	81431975	81438627	81438803	81440785	+
Ep300	MmuEX0016950	chr15	81438803	81440785	81441046	81441840	+
Ep300	MmuEX0016951	chr15	81441046	81441840	81441953	81443600	+
Ep300	MmuEX0016952	chr15	81441953	81443600	81443845	81446462	+
Ep300	MmuEX0016953	chr15	81446555	81447156	81447293	81450430	+
Ep400	MmuEX0016954	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016955	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016956	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016957	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016958	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016959	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016960	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-

Ep400	MmuEX0016961	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016962	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016963	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016964	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016965	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016966	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016967	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016968	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016969	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016970	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016971	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ep400	MmuEX0016972	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Epb4.1	MmuEX0016973	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Epb4.1	MmuEX0016974	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Epb4.1	MmuEX0016975	chr4	1.31E+08	1.32E+08	1.32E+08	1.32E+08	-
Epb4.1	MmuEX0016976	chr4	1.31E+08	1.31E+08	1.31E+08	1.32E+08	-
Epb4.1	MmuEX0016977	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Epb4.1	MmuEX0016978	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Epb4.1	MmuEX0016979	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Epb4.111	MmuEX0016981	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016982	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016983	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016984	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016985	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016987	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016988	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016989	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.111	MmuEX0016990	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Epb4.112	MmuEX0016991	chr10	25180702	25187902	25187944	25189002	+
Epb4.112	MmuEX0016992	chr10	25192969	25198815	25198967	25199474	+
Epb4.112	MmuEX0016993	chr10	25215397	25221630	25222193	25223943	+
Epb4.112	MmuEX0016994	chr10	25232887	25239261	25239356	25242103	+
Epb4.112	MmuEX0016995	chr10	25079787	25096403	25096405	25161379	+
Epb4.112	MmuEX0016996	chr10	25208899	25213373	25213435	25221630	+
Epb4.112	MmuEX0016997	chr10	25208899	25215251	25215397	25221630	+
Epb4.112	MmuEX0016998	chr10	25208899	25219582	25219749	25221630	+
Epb4.112	MmuEX0016999	chr10	25208899	25221384	25221437	25221630	+
Epb4.112	MmuEX0017000	chr10	25208899	25221812	25221944	25225981	+
Epb4.112	MmuEX0017001	chr10	25222193	25223943	25224065	25225981	+
Epb4.112	MmuEX0017002	chr10	25208899	25225981	25226079	25227583	+
Epb4.113	MmuEX0017003	chr17	69636677	69636952	69637068	69638191	+
Epb4.114a	MmuEX0017011	chr18	34081588	34165639	34166076	34166423	-
Epb4.114a	MmuEX0017012	chr18	34051130	34081484	34081588	34165639	-
Epb4.114a	MmuEX0017013	chr18	33992339	34019196	34019273	34020800	-
Epb4.114a	MmuEX0017014	chr18	33992339	34013890	34014005	34019196	-
Epb4.114a	MmuEX0017015	chr18	33962214	33969873	33969992	33984113	-
Epb4.114a	MmuEX0017016	chr18	33961293	33962167	33962214	33969873	-

Epb4.1l4a	MmuEX0017019	chr18	34038686	34039841	34039919	34046005	-
Epb4.1l4a	MmuEX0017020	chr18	34020891	34038566	34038686	34039841	-
Epb4.1l4a	MmuEX0017021	chr18	34020891	34036563	34036650	34038548	-
Epb4.1l4a	MmuEX0017023	chr18	34020891	34033796	34033859	34034392	-
Epb4.1l4a	MmuEX0017024	chr18	33992339	34020800	34020891	34165639	-
Epb4.9	MmuEX0017044	chr14	71012580	71013103	71013227	71014650	-
Epc1	MmuEX0017048	chr18	6462989	6489158	6489328	6490461	-
Epc1	MmuEX0017049	chr18	6441241	6441800	6441910	6448903	-
Epc1	MmuEX0017050	chr18	6450637	6452231	6452390	6453507	-
Epc1	MmuEX0017051	chr18	6441241	6450464	6450637	6452231	-
Epc1	MmuEX0017052	chr18	6441241	6450295	6450384	6452231	-
Epc1	MmuEX0017053	chr18	6441241	6450067	6450215	6452231	-
Epc1	MmuEX0017054	chr18	6441241	6448903	6449255	6452231	-
Epc1	MmuEX0017055	chr18	6440188	6441120	6441241	6448903	-
Epc2	MmuEX0017056	chr2	49368880	49377991	49378197	49384368	+
Epc2	MmuEX0017057	chr2	49307478	49344209	49344368	49368735	+
Epc2	MmuEX0017058	chr2	49385663	49387564	49387755	49390775	+
Epdr1	MmuEX0017062	chr13	19685217	19686316	19686524	19711163	-
Epha2	MmuEX0017070	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Epha2	MmuEX0017071	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Epha2	MmuEX0017072	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Epha2	MmuEX0017073	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Ephb3	MmuEX0017098	chr16	21221573	21221700	21221849	21221938	+
Ephb3	MmuEX0017099	chr16	21222131	21222222	21222377	21222481	+
Ephb3	MmuEX0017100	chr16	21217424	21218088	21218438	21218568	+
Ephx1	MmuEX0017103	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Ephx2	MmuEX0017104	chr14	66721079	66722563	66722631	66726051	-
Ephx2	MmuEX0017105	chr14	66722631	66726051	66726173	66726814	-
Epm2a	MmuEX0017106	chr10	11063566	11110609	11110783	11168440	+
Epn1	MmuEX0017107	chr7	5032240	5033535	5033578	5035332	+
Epn1	MmuEX0017108	chr7	5047355	5047493	5047576	5048756	+
Epn1	MmuEX0017109	chr7	5032240	5033620	5033723	5035265	+
Epn1	MmuEX0017110	chr7	5032240	5035332	5035584	5041521	+
Epn1	MmuEX0017111	chr7	5035584	5041605	5041770	5044443	+
Epn1	MmuEX0017112	chr7	5044586	5044914	5044988	5045501	+
Epn2	MmuEX0017113	chr11	61360413	61390625	61390825	61393069	-
Epn2	MmuEX0017114	chr11	61347183	61348080	61348115	61348773	-
Epn2	MmuEX0017115	chr11	61336695	61347091	61347183	61348773	-
Epn2	MmuEX0017116	chr11	61336695	61346020	61346194	61347073	-
Epn2	MmuEX0017117	chr11	61335376	61336531	61336695	61346020	-
Epn2	MmuEX0017118	chr11	61335376	61335908	61335994	61336531	-
Epn2	MmuEX0017119	chr11	61360413	61379324	61379396	61393069	-
Epn2	MmuEX0017120	chr11	61360413	61368971	61369105	61393069	-
Epn2	MmuEX0017121	chr11	61360413	61367012	61367081	61393069	-
Epn2	MmuEX0017122	chr11	61360413	61361510	61361544	61393069	-
Epn2	MmuEX0017123	chr11	61348885	61359652	61360413	61393069	-
Epn2	MmuEX0017124	chr11	61348885	61357660	61357830	61359652	-

Epn2	MmuEX0017125	chr11	61336695	61348773	61348885	61359652	-
Epn3	MmuEX0017126	chr11	94353749	94354176	94354263	94355087	-
Epn3	MmuEX0017127	chr11	94355218	94355407	94355487	94356248	-
Eprs	MmuEX0017129	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Eprs	MmuEX0017130	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Eprs	MmuEX0017131	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Eprs	MmuEX0017132	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Eprs	MmuEX0017133	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Eps15	MmuEX0017134	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15	MmuEX0017135	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15	MmuEX0017136	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15	MmuEX0017137	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15	MmuEX0017138	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15	MmuEX0017139	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15	MmuEX0017140	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Eps15l1	MmuEX0017141	chr8	74906311	74906579	74906735	74908666	-
Eps15l1	MmuEX0017142	chr8	74920195	74920801	74920896	74922905	-
Eps15l1	MmuEX0017143	chr8	74908823	74910760	74910987	74913307	-
Eps15l1	MmuEX0017144	chr8	74896975	74897722	74897845	74902879	-
Eps15l1	MmuEX0017145	chr8	74895721	74896925	74896975	74897722	-
Eps15l1	MmuEX0017146	chr8	74892671	74895585	74895721	74896905	-
Eps15l1	MmuEX0017147	chr8	74882344	74892611	74892671	74895585	-
Eps15l1	MmuEX0017148	chr8	74882344	74891803	74891885	74892611	-
Eps15l1	MmuEX0017149	chr8	74865423	74882212	74882344	74891803	-
Eps15l1	MmuEX0017150	chr8	74865423	74869865	74869988	74882212	-
Eps15l1	MmuEX0017151	chr8	74922952	74924091	74924132	74945304	-
Eps15l1	MmuEX0017152	chr8	74922952	74923576	74923665	74945304	-
Eps15l1	MmuEX0017153	chr8	74920896	74922905	74922952	74945304	-
Eps8	MmuEX0017156	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Eps8	MmuEX0017157	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Eps8	MmuEX0017159	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Eps8	MmuEX0017160	chr6	1.37E+08	1.37E+08	1.37E+08	1.38E+08	-
Eps8l1	MmuEX0017165	chr7	4425815	4428936	4429061	4429166	+
Eps8l2	MmuEX0017168	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Epsti1	MmuEX0017170	chr14	78386572	78394339	78394438	78401778	+
Epsti1	MmuEX0017171	chr14	78374404	78386499	78386572	78394339	+
Epsti1	MmuEX0017172	chr14	78339742	78363439	78363532	78372385	+
Ept1	MmuEX0017175	chr5	30559355	30567172	30567352	30574009	+
Ept1	MmuEX0017176	chr5	30591001	30591884	30592069	30593447	+
Ept1	MmuEX0017177	chr5	30574077	30574958	30575066	30579256	+
Ept1	MmuEX0017178	chr5	30575066	30579256	30579330	30582624	+
Eral1	MmuEX0017180	chr11	77888129	77888893	77889137	77889224	-
Eral1	MmuEX0017181	chr11	77889553	77889735	77889781	77891319	-
Eral1	MmuEX0017182	chr11	77891396	77891764	77891891	77893579	-
Erap1	MmuEX0017183	chr13	74777341	74778989	74779030	74783619	+
Erap1	MmuEX0017184	chr13	74806927	74808756	74808939	74810192	+
Erap1	MmuEX0017185	chr13	74799877	74800857	74801011	74801557	+

Erap1	MmuEX0017186	chr13	74801670	74803547	74803678	74803892	+
Erap1	MmuEX0017187	chr13	74803678	74803892	74804023	74804166	+
Erap1	MmuEX0017188	chr13	74804023	74804166	74804237	74805406	+
Erb2	MmuEX0017189	chr11	98274049	98281403	98281554	98282179	+
Erb2	MmuEX0017190	chr11	98295683	98295814	98295889	98296116	+
Erb2	MmuEX0017191	chr11	98282395	98282542	98282660	98283369	+
Erb2	MmuEX0017192	chr11	98288464	98288570	98288769	98289450	+
Erb2	MmuEX0017193	chr11	98288464	98289228	98289360	98289450	+
Erb2ip	MmuEX0017194	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017195	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017196	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017197	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017198	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017199	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017200	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017201	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017202	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb2ip	MmuEX0017203	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Erb3	MmuEX0017204	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Erb3	MmuEX0017205	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Erb3	MmuEX0017208	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Erb4	MmuEX0017211	chr1	68127369	68245416	68245601	68297154	-
Erb4	MmuEX0017212	chr1	68089312	68090482	68090529	68118092	-
Erc1	MmuEX0017215	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017216	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017217	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017218	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017219	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017220	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017221	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017222	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017223	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017224	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Erc1	MmuEX0017237	chr7	19936141	19937982	19938054	19939675	+
Erc1	MmuEX0017238	chr7	19939774	19940450	19940521	19940642	+
Erc2	MmuEX0017239	chr7	19972846	19973489	19973607	19975456	+
Erc2	MmuEX0017240	chr7	19975525	19975598	19975667	19975748	+
Erc2	MmuEX0017241	chr7	19978690	19978782	19978854	19978923	+
Erc2	MmuEX0017242	chr7	19967408	19967628	19967727	19969293	+
Erc2	MmuEX0017243	chr7	19969370	19969448	19969510	19969651	+
Erc2	MmuEX0017244	chr7	19971088	19971179	19971295	19972056	+
Erc3	MmuEX0017245	chr18	32406425	32407817	32408131	32413735	+
Erc3	MmuEX0017246	chr18	32408131	32413735	32413919	32416844	+
Erc3	MmuEX0017247	chr18	32417046	32420956	32421052	32424202	+
Erc3	MmuEX0017248	chr18	32425390	32426818	32426970	32429412	+
Erc4	MmuEX0017249	chr16	13110234	13111824	13112004	13122089	+
Erc4	MmuEX0017250	chr16	13127758	13130227	13130827	13132951	+

Erc4	MmuEX0017251	chr16	13130827	13131063	13131115	13132951	+
Erc4	MmuEX0017252	chr16	13130827	13132951	13133043	13144494	+
Erc4	MmuEX0017253	chr16	13112004	13122089	13122284	13123427	+
Erc5	MmuEX0017255	chr1	44218798	44220426	44220497	44220722	+
Erc5	MmuEX0017256	chr1	44230876	44231007	44231220	44232684	+
Erc6	MmuEX0017258	chr14	33360089	33365761	33365896	33371025	+
Erc6	MmuEX0017260	chr14	33383617	33384380	33384513	33387992	+
Erc6	MmuEX0017261	chr14	33383617	33387992	33388196	33388940	+
Erc6	MmuEX0017262	chr14	33388196	33388940	33389012	33389872	+
Erc6	MmuEX0017263	chr14	33340064	33354412	33354540	33359931	+
Erc6	MmuEX0017266	chr14	33354540	33359931	33360089	33365761	+
Erc6	MmuEX0017267	chr14	33371790	33373895	33374011	33375742	+
Erc6	MmuEX0017268	chr14	33326785	33330133	33330564	33339335	+
Erc6	MmuEX0017271	chr14	33334245	33339437	33340064	33354412	+
Erc8	MmuEX0017272	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Erc8	MmuEX0017273	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Erc8	MmuEX0017274	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Erc8	MmuEX0017275	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Erf	MmuEX0017276	chr7	26030768	26031107	26031341	26035598	-
Erg	MmuEX0017277	chr16	95611652	95631342	95631559	95680835	-
Erg	MmuEX0017279	chr16	95591670	95598908	95598979	95600719	-
Erg	MmuEX0017280	chr16	95590985	95591602	95591670	95600719	-
Erg	MmuEX0017281	chr16	95590306	95590929	95590985	95600719	-
Ergic1	MmuEX0017282	chr17	26766624	26768871	26768971	26769143	+
Ergic1	MmuEX0017283	chr17	26766624	26766846	26767024	26771362	+
Ergic1	MmuEX0017284	chr17	26778649	26791772	26791898	26792012	+
Ergic2	MmuEX0017285	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017286	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017287	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017288	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017289	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017290	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017291	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017292	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic2	MmuEX0017293	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Ergic3	MmuEX0017294	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Ergic3	MmuEX0017295	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Ergic3	MmuEX0017296	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Ergic3	MmuEX0017297	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Ergic3	MmuEX0017298	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Ergic3	MmuEX0017299	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Erh	MmuEX0017300	chr12	81742031	81743776	81743832	81744453	-
Erh	MmuEX0017301	chr12	81738597	81741944	81742031	81744751	-
Eri1	MmuEX0017303	chr8	36537565	36538882	36539040	36539513	-
Eri2	MmuEX0017307	chr7	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Eri3	MmuEX0017308	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017309	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+

Eri3	MmuEX0017310	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017311	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017312	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017313	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017314	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017315	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Eri3	MmuEX0017316	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Erich1	MmuEX0017317	chr8	14033764	14064205	14064339	14078770	-
Erlec1	MmuEX0017318	chr11	30852676	30852996	30853116	30853914	-
Erlec1	MmuEX0017319	chr11	30831848	30834672	30834747	30834982	-
Erlec1	MmuEX0017320	chr11	30848523	30849943	30849977	30850560	-
Erlec1	MmuEX0017321	chr11	30849977	30850560	30850623	30850741	-
Erlec1	MmuEX0017322	chr11	30835059	30835368	30835445	30839497	-
Erlin1	MmuEX0017323	chr19	44111638	44113663	44113742	44115237	-
Erlin1	MmuEX0017324	chr19	44136394	44137509	44137555	44142090	-
Erlin1	MmuEX0017325	chr19	44113742	44115237	44115326	44122125	-
Erlin2	MmuEX0017326	chr8	28142243	28142399	28142457	28142706	+
Erlin2	MmuEX0017327	chr8	28134378	28135306	28135399	28135529	+
Erlin2	MmuEX0017328	chr8	28134378	28135529	28135650	28137641	+
Erlin2	MmuEX0017329	chr8	28139417	28139811	28139872	28140016	+
Ermp1	MmuEX0017333	chr19	29698305	29701337	29701557	29703094	-
Ermp1	MmuEX0017334	chr19	29690328	29691007	29691209	29692308	-
Ern1	MmuEX0017339	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017340	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017341	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017342	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017343	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017344	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017345	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017346	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017347	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ern1	MmuEX0017348	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ero1l	MmuEX0017350	chr14	45912852	45913979	45914071	45914186	-
Ero1lb	MmuEX0017351	chr13	12692600	12694003	12694072	12694578	+
Ero1lb	MmuEX0017352	chr13	12675877	12683028	12683148	12683252	+
Erp29	MmuEX0017354	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Erp29	MmuEX0017355	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Erp44	MmuEX0017356	chr4	48221685	48221881	48221948	48224522	-
Erp44	MmuEX0017357	chr4	48218101	48221569	48221685	48224522	-
Erp44	MmuEX0017358	chr4	48249860	48251111	48251238	48254168	-
Erp44	MmuEX0017359	chr4	48256421	48289614	48289658	48292256	-
Erp44	MmuEX0017360	chr4	48232399	48256349	48256421	48292256	-
Erp44	MmuEX0017361	chr4	48232399	48254168	48254207	48292256	-
Erp44	MmuEX0017362	chr4	48232399	48249745	48249860	48254168	-
Errfi1	MmuEX0017363	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Errfi1	MmuEX0017364	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Esam	MmuEX0017365	chr9	37339260	37341738	37341939	37342123	+

Esam	MmuEX0017366	chr9	37344305	37344591	37344717	37345049	+
Esco1	MmuEX0017367	chr18	10586039	10588437	10588548	10593744	-
Esco1	MmuEX0017368	chr18	10584360	10585976	10586039	10588437	-
Esco1	MmuEX0017369	chr18	10577088	10577636	10577757	10582053	-
Esco1	MmuEX0017370	chr18	10586039	10596337	10596439	10610024	-
Esco1	MmuEX0017371	chr18	10588548	10595674	10595873	10596337	-
Esd	MmuEX0017376	chr14	75144553	75145357	75145524	75149452	+
Esd	MmuEX0017377	chr14	75141945	75143026	75143145	75145357	+
Esd	MmuEX0017378	chr14	75143145	75144455	75144553	75145357	+
Esf1	MmuEX0017379	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Esf1	MmuEX0017380	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Esf1	MmuEX0017381	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Esf1	MmuEX0017382	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Esr1	MmuEX0017396	chr10	5407329	5454497	5454601	5489348	-
Esr1a	MmuEX0017408	chr19	6988685	6994553	6994889	6996112	-
Esr1g	MmuEX0017410	chr1	1.9E+08	1.9E+08	1.9E+08	1.9E+08	+
Esy1	MmuEX0017411	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Esy1	MmuEX0017412	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Esy1	MmuEX0017413	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Esy1	MmuEX0017414	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Esy1	MmuEX0017415	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Esy1	MmuEX0017416	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Esy2	MmuEX0017417	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017418	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017419	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017420	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017421	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017422	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017423	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017424	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017425	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017426	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Esy2	MmuEX0017427	chr12	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Etfa	MmuEX0017430	chr9	55347971	55348799	55348953	55359454	-
Etfa	MmuEX0017431	chr9	55336736	55343369	55343451	55343549	-
Etfb	MmuEX0017432	chr7	50699574	50707711	50707869	50708169	+
Etfb	MmuEX0017433	chr7	50709950	50711849	50712007	50712940	+
Etfdh	MmuEX0017434	chr3	79427600	79432137	79432323	79432440	-
Etfdh	MmuEX0017435	chr3	79413889	79414419	79414540	79415834	-
Etfdh	MmuEX0017436	chr3	79422347	79422761	79422842	79426660	-
Etl4	MmuEX0017437	chr2	20631230	20634982	20635075	20665086	+
Etl4	MmuEX0017439	chr2	20699828	20702569	20702699	20703425	+
Etl4	MmuEX0017440	chr2	20729000	20729529	20729651	20730337	+
Etl4	MmuEX0017441	chr2	20451869	20583525	20583723	20631032	+
Etl4	MmuEX0017442	chr2	20665918	20681174	20681278	20681842	+
Etl4	MmuEX0017444	chr2	20720410	20723169	20723288	20729529	+
Etl4	MmuEX0017445	chr2	20720410	20727212	20727289	20729529	+

Etl4	MmuEX0017446	chr2	20720410	20727402	20729000	20729529	+
Etnk1	MmuEX0017447	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Etnk1	MmuEX0017448	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Etnk1	MmuEX0017449	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Etnk1	MmuEX0017450	chr6	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Ets1	MmuEX0017457	chr9	32536379	32537640	32537840	32540534	+
Ets1	MmuEX0017458	chr9	32541777	32545684	32545944	32560384	+
Etv3	MmuEX0017460	chr3	87332029	87333146	87333261	87339433	+
Etv3	MmuEX0017461	chr3	87329900	87331183	87331198	87331792	+
Etv5	MmuEX0017466	chr16	22436633	22437345	22437418	22439151	-
Etv5	MmuEX0017467	chr16	22436000	22436093	22436140	22436274	-
Etv5	MmuEX0017468	chr16	22402004	22412918	22413047	22435950	-
Etv6	MmuEX0017470	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Etv6	MmuEX0017471	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Etv6	MmuEX0017472	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Etv6	MmuEX0017473	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Etv6	MmuEX0017474	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Etv6	MmuEX0017475	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Etv6	MmuEX0017476	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Evc	MmuEX0017477	chr5	37698563	37700271	37700415	37701400	-
Evc	MmuEX0017478	chr5	37692890	37694424	37694550	37698452	-
Evc	MmuEX0017480	chr5	37688475	37692051	37692162	37692797	-
Evc	MmuEX0017483	chr5	37707662	37709402	37709550	37711475	-
Evc2	MmuEX0017486	chr5	37778378	37783232	37783436	37801473	+
Evc2	MmuEX0017488	chr5	37784435	37801473	37801700	37806966	+
Evi5	MmuEX0017490	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Evi5	MmuEX0017491	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Evi5	MmuEX0017492	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Evi5	MmuEX0017493	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Evi5	MmuEX0017495	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Evi5	MmuEX0017496	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Evi5l	MmuEX0017500	chr8	4191380	4191585	4191674	4193120	+
Evi5l	MmuEX0017501	chr8	4191674	4193120	4193217	4193306	+
Evi5l	MmuEX0017502	chr8	4200921	4201934	4201966	4202936	+
Evl	MmuEX0017503	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Evl	MmuEX0017504	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Evl	MmuEX0017505	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Evl	MmuEX0017506	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Evl	MmuEX0017507	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Evl	MmuEX0017508	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Ewsr1	MmuEX0017513	chr11	4988149	4991463	4991477	4991862	-
Ewsr1	MmuEX0017514	chr11	4978955	4979488	4979522	4982256	-
Exd2	MmuEX0017522	chr12	81592217	81593529	81593885	81597768	+
Exd2	MmuEX0017523	chr12	81564267	81576710	81577175	81581442	+
Exd2	MmuEX0017524	chr12	81577175	81580253	81580379	81581442	+
Exd2	MmuEX0017525	chr12	81581698	81585233	81585359	81590389	+
Exd2	MmuEX0017526	chr12	81585359	81589271	81589494	81590389	+

Exoc1	MmuEX0017537	chr5	76974388	76975103	76975156	76978477	+
Exoc1	MmuEX0017538	chr5	76974388	76978477	76978626	76983125	+
Exoc1	MmuEX0017539	chr5	76988192	76988394	76988491	76988743	+
Exoc1	MmuEX0017540	chr5	76988850	76989355	76989431	76990317	+
Exoc1	MmuEX0017541	chr5	76989431	76990317	76990545	76992255	+
Exoc1	MmuEX0017542	chr5	76973035	76974279	76974388	76978477	+
Exoc1	MmuEX0017543	chr5	76966882	76969772	76969792	76971076	+
Exoc1	MmuEX0017544	chr5	76983230	76986844	76986888	76988029	+
Exoc1	MmuEX0017545	chr5	76990545	76992255	76992438	76995952	+
Exoc1	MmuEX0017546	chr5	76992438	76995982	76996181	76996992	+
Exoc2	MmuEX0017547	chr13	30974242	30978058	30978183	30992654	-
Exoc2	MmuEX0017548	chr13	30974242	30977815	30977970	30978058	-
Exoc2	MmuEX0017549	chr13	30968721	30969112	30969269	30969417	-
Exoc2	MmuEX0017550	chr13	31027490	31029985	31030161	31032479	-
Exoc2	MmuEX0017551	chr13	31017716	31019177	31019290	31027364	-
Exoc2	MmuEX0017552	chr13	31003119	31017592	31017716	31019177	-
Exoc2	MmuEX0017553	chr13	31003119	31013256	31013527	31017592	-
Exoc2	MmuEX0017554	chr13	30907260	30909867	30909926	30912447	-
Exoc2	MmuEX0017555	chr13	30914623	30917908	30917963	30948523	-
Exoc2	MmuEX0017556	chr13	30964238	30967128	30967189	30968600	-
Exoc2	MmuEX0017557	chr13	30969482	30974118	30974242	30978058	-
Exoc2	MmuEX0017558	chr13	31032639	31038234	31038292	31065865	-
Exoc2	MmuEX0017559	chr13	30992772	30997522	30997624	30998372	-
Exoc3	MmuEX0017560	chr13	74344554	74345271	74345454	74346106	-
Exoc3	MmuEX0017561	chr13	74344545	74344994	74345039	74346106	-
Exoc3	MmuEX0017562	chr13	74311596	74317883	74318005	74319492	-
Exoc3	MmuEX0017563	chr13	74327635	74330056	74330737	74336904	-
Exoc3	MmuEX0017564	chr13	74309824	74310744	74310871	74311435	-
Exoc3	MmuEX0017565	chr13	74322221	74326609	74326734	74327518	-
Exoc3l	MmuEX0017566	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc3l	MmuEX0017567	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc3l	MmuEX0017568	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc3l	MmuEX0017570	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc3l	MmuEX0017571	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc3l	MmuEX0017572	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc3l	MmuEX0017573	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Exoc4	MmuEX0017574	chr6	33297957	33388380	33388525	33391951	+
Exoc4	MmuEX0017575	chr6	33392039	33529982	33530078	33707967	+
Exoc4	MmuEX0017576	chr6	33227381	33246733	33246917	33255285	+
Exoc4	MmuEX0017577	chr6	33282454	33297783	33297957	33388380	+
Exoc5	MmuEX0017578	chr14	49639197	49640958	49641099	49642874	-
Exoc5	MmuEX0017579	chr14	49634024	49635092	49635307	49635873	-
Exoc5	MmuEX0017580	chr14	49653093	49654483	49654692	49655674	-
Exoc5	MmuEX0017581	chr14	49668573	49670995	49671142	49671973	-
Exoc5	MmuEX0017582	chr14	49662224	49668379	49668573	49670995	-
Exoc5	MmuEX0017583	chr14	49659058	49662160	49662224	49668379	-
Exoc6	MmuEX0017584	chr19	37668257	37671585	37671694	37673056	+

Exoc6	MmuEX0017585	chr19	37673167	37674049	37674183	37683416	+
Exoc6	MmuEX0017586	chr19	37683595	37714112	37714253	37727873	+
Exoc6	MmuEX0017587	chr19	37660384	37662128	37662174	37662307	+
Exoc6b	MmuEX0017588	chr6	84840579	84858107	84858283	84939319	-
Exoc6b	MmuEX0017589	chr6	84810712	84840511	84840579	84858107	-
Exoc6b	MmuEX0017590	chr6	84805540	84808382	84808502	84810167	-
Exoc6b	MmuEX0017591	chr6	84803676	84804695	84804792	84805469	-
Exoc6b	MmuEX0017592	chr6	84785214	84794003	84794137	84798760	-
Exoc6b	MmuEX0017593	chr6	84575231	84662019	84662116	84696895	-
Exoc6b	MmuEX0017594	chr6	84571505	84574296	84574307	84575119	-
Exoc6b	MmuEX0017595	chr6	84575231	84696895	84696968	84741235	-
Exoc6b	MmuEX0017596	chr6	84741376	84768672	84768716	84785035	-
Exoc6b	MmuEX0017597	chr6	84955030	84961312	84961477	85019290	-
Exoc6b	MmuEX0017598	chr6	84939523	84954983	84955030	84961312	-
Exoc6b	MmuEX0017599	chr6	84939523	84953189	84953279	84954983	-
Exoc6b	MmuEX0017600	chr6	84939523	84953042	84953087	84953189	-
Exoc7	MmuEX0017601	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Exoc7	MmuEX0017602	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Exoc7	MmuEX0017603	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Exoc7	MmuEX0017604	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Exoc7	MmuEX0017605	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Exog	MmuEX0017607	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Exosc1	MmuEX0017610	chr19	42005920	42007539	42007654	42007742	-
Exosc1	MmuEX0017611	chr19	42001055	42002515	42002603	42005846	-
Exosc1	MmuEX0017612	chr19	41999729	42001022	42001055	42002515	-
Exosc1	MmuEX0017613	chr19	41999285	41999679	41999729	42001022	-
Exosc1	MmuEX0017614	chr19	41998578	41999201	41999285	41999679	-
Exosc10	MmuEX0017615	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc10	MmuEX0017616	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc10	MmuEX0017617	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc10	MmuEX0017618	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc10	MmuEX0017619	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc10	MmuEX0017620	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc10	MmuEX0017621	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Exosc2	MmuEX0017622	chr2	31526381	31527992	31528093	31530035	+
Exosc5	MmuEX0017623	chr7	26444402	26444522	26444638	26446280	+
Exosc5	MmuEX0017624	chr7	26444638	26446280	26446412	26448156	+
Exosc5	MmuEX0017625	chr7	26444638	26448156	26448269	26449267	+
Exosc7	MmuEX0017626	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Exosc7	MmuEX0017627	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Exosc7	MmuEX0017628	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Exosc7	MmuEX0017629	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Exosc8	MmuEX0017630	chr3	54533807	54534997	54535093	54535903	-
Exosc8	MmuEX0017631	chr3	54535948	54536034	54536139	54536622	-
Exosc8	MmuEX0017632	chr3	54535093	54535903	54535948	54536034	-
Exosc8	MmuEX0017633	chr3	54537653	54538025	54538088	54538218	-
Exosc9	MmuEX0017634	chr3	36452051	36452728	36452847	36452962	+

Ext1	MmuEX0017638	chr15	52937689	52939033	52939126	53175957	-
Ext2	MmuEX0017639	chr2	93547534	93568779	93568917	93570315	-
Ext2	MmuEX0017640	chr2	93544768	93547391	93547534	93570315	-
Ext2	MmuEX0017641	chr2	93543433	93544640	93544768	93547391	-
Ext2	MmuEX0017642	chr2	93536428	93543351	93543433	93544640	-
Ext2	MmuEX0017643	chr2	93638524	93646182	93646298	93652054	-
Ext2	MmuEX0017644	chr2	93654121	93661767	93661838	93662544	-
Ext2	MmuEX0017645	chr2	93654121	93660187	93660306	93662544	-
Ext2	MmuEX0017646	chr2	93602841	93631167	93631260	93635792	-
Extl1	MmuEX0017647	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Extl1	MmuEX0017648	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Extl1	MmuEX0017649	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Extl1	MmuEX0017650	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Extl1	MmuEX0017651	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Extl2	MmuEX0017652	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Extl2	MmuEX0017653	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Extl2	MmuEX0017654	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Extl2	MmuEX0017655	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Extl2	MmuEX0017656	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Extl3	MmuEX0017657	chr14	65699312	65699508	65699642	65716834	-
Extl3	MmuEX0017658	chr14	65697026	65699217	65699312	65716834	-
Eya1	MmuEX0017659	chr1	14219657	14221494	14221633	14242509	-
Eya1	MmuEX0017660	chr1	14199065	14219574	14219657	14221494	-
Eya3	MmuEX0017673	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017674	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017675	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017676	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017677	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017678	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017679	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017680	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017681	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017682	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017683	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017684	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017685	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017686	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017687	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Eya3	MmuEX0017688	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Ezh1	MmuEX0017697	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017698	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017699	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017700	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017701	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017702	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017703	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh1	MmuEX0017704	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-

Ezh1	MmuEX0017705	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ezh2	MmuEX0017706	chr6	47526663	47527543	47527666	47544893	-
Ezh2	MmuEX0017707	chr6	47494039	47494439	47494608	47495675	-
Ezh2	MmuEX0017708	chr6	47482982	47483741	47483836	47490676	-
Ezh2	MmuEX0017710	chr6	47508293	47526535	47526663	47527543	-
Ezh2	MmuEX0017711	chr6	47481824	47481984	47482064	47482901	-
Ezh2	MmuEX0017712	chr6	47490854	47491844	47491969	47492365	-
Ezh2	MmuEX0017713	chr6	47495915	47496748	47496829	47497344	-
Ezh2	MmuEX0017714	chr6	47506149	47508177	47508293	47526535	-
F11r	MmuEX0017720	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
F13a1	MmuEX0017721	chr13	37117728	37139226	37139373	37141010	-
F13a1	MmuEX0017722	chr13	37059994	37063817	37063935	37080703	-
F2	MmuEX0017725	chr2	91468660	91468817	91468990	91469308	-
F3	MmuEX0017728	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
F3	MmuEX0017729	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
F630110N24Rik	MmuEX0017735	chr10	80825772	80826298	80826428	80826515	+
F630110N24Rik	MmuEX0017736	chr10	80823982	80824059	80824244	80824770	+
F630110N24Rik	MmuEX0017737	chr10	80824244	80824770	80824862	80825433	+
F630110N24Rik	MmuEX0017738	chr10	80824862	80824950	80825042	80825433	+
Fads1	MmuEX0017754	chr19	10268582	10268808	10268887	10268979	+
Fads1	MmuEX0017755	chr19	10260372	10260868	10260969	10261245	+
Fads1	MmuEX0017756	chr19	10268887	10268979	10269104	10269361	+
Fads1	MmuEX0017757	chr19	10261373	10265930	10265990	10267402	+
Fads1	MmuEX0017758	chr19	10261373	10267402	10267478	10268191	+
Fads2	MmuEX0017759	chr19	10140171	10140742	10140838	10141005	-
Fads2	MmuEX0017760	chr19	10138804	10139176	10139301	10140092	-
Fads3	MmuEX0017761	chr19	10127523	10128510	10128611	10128717	+
Fads3	MmuEX0017762	chr19	10129673	10130087	10130184	10130481	+
Faf1	MmuEX0017764	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Faf1	MmuEX0017765	chr4	1.09E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017766	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017767	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017768	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017769	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017770	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017771	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017772	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Faf1	MmuEX0017773	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Faf1	MmuEX0017774	chr4	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Faf1	MmuEX0017775	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Faf2	MmuEX0017776	chr13	54723264	54730751	54730825	54732396	+
Faf2	MmuEX0017777	chr13	54723264	54732396	54732441	54739611	+
Faf2	MmuEX0017778	chr13	54742914	54746606	54746682	54749653	+
Faf2	MmuEX0017779	chr13	54746682	54749653	54749791	54751339	+
Fah	MmuEX0017780	chr7	91749664	91750591	91750701	91754153	-
Fah	MmuEX0017781	chr7	91745596	91745688	91745785	91747564	-
Fah	MmuEX0017782	chr7	91744067	91745544	91745596	91745688	-

Fah	MmuEX0017783	chr7	91737458	91738084	91738185	91740892	-
Fah	MmuEX0017784	chr7	91733854	91737341	91737458	91738084	-
Fah	MmuEX0017785	chr7	91738185	91740892	91740938	91741696	-
Fah	MmuEX0017786	chr7	91747654	91749287	91749336	91749543	-
Fah	MmuEX0017787	chr7	91745785	91747564	91747654	91749543	-
Fahd2a	MmuEX0017788	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Fahd2a	MmuEX0017789	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Fahd2a	MmuEX0017790	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Faim	MmuEX0017791	chr9	98886931	98892520	98892652	98892932	+
Faim	MmuEX0017792	chr9	98886931	98892182	98892271	98892520	+
Faim	MmuEX0017793	chr9	98892652	98892932	98893160	98899386	+
Faim	MmuEX0017794	chr9	98893160	98899386	98899435	98901974	+
Faim	MmuEX0017795	chr9	98886931	98891334	98891390	98892520	+
Fam101b	MmuEX0017796	chr11	75835742	75838450	75838559	75840930	-
Fam102a	MmuEX0017797	chr2	32415675	32418939	32418985	32419122	+
Fam102b	MmuEX0017799	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Fam102b	MmuEX0017800	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Fam105a	MmuEX0017801	chr15	27589773	27592094	27592243	27594099	-
Fam105a	MmuEX0017802	chr15	27588069	27589645	27589745	27594099	-
Fam105a	MmuEX0017803	chr15	27586826	27586931	27587018	27587800	-
Fam105b	MmuEX0017804	chr15	27553113	27559811	27559948	27560213	-
Fam105b	MmuEX0017805	chr15	27541392	27546079	27546222	27549284	-
Fam105b	MmuEX0017806	chr15	27549378	27553037	27553113	27560213	-
Fam107a	MmuEX0017807	chr14	9133747	9133867	9134050	9141999	-
Fam107b	MmuEX0017808	chr2	3630908	3690068	3690251	3695690	+
Fam108a	MmuEX0017809	chr10	80046808	80046888	80047067	80048353	-
Fam108a	MmuEX0017810	chr10	80047067	80048353	80048547	80049260	-
Fam108b	MmuEX0017811	chr19	21728083	21751486	21751578	21752843	+
Fam108b	MmuEX0017812	chr19	21753086	21753244	21753312	21755358	+
Fam109a	MmuEX0017813	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Fam111a	MmuEX0017818	chr19	12648070	12651580	12651660	12658413	+
Fam111a	MmuEX0017819	chr19	12639140	12648020	12648070	12651580	+
Fam111a	MmuEX0017820	chr19	12651660	12658413	12658612	12661325	+
Fam113a	MmuEX0017821	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Fam113a	MmuEX0017822	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Fam113a	MmuEX0017823	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Fam113a	MmuEX0017824	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Fam113a	MmuEX0017825	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Fam114a1	MmuEX0017827	chr5	65397150	65397273	65397382	65400227	+
Fam114a1	MmuEX0017828	chr5	65425683	65429927	65429980	65431863	+
Fam114a2	MmuEX0017829	chr11	57301122	57303612	57303684	57305422	-
Fam114a2	MmuEX0017830	chr11	57320497	57320995	57321129	57322880	-
Fam114a2	MmuEX0017831	chr11	57303684	57305422	57305561	57306506	-
Fam114a2	MmuEX0017832	chr11	57306628	57318736	57318859	57320339	-
Fam114a2	MmuEX0017833	chr11	57306628	57313228	57313307	57318736	-
Fam114a2	MmuEX0017834	chr11	57327793	57331607	57331654	57332041	-
Fam114a2	MmuEX0017835	chr11	57322968	57327597	57327790	57332041	-

Fam114a2	MmuEX0017836	chr11	57322968	57327138	57327237	57332041	-
Fam114a2	MmuEX0017837	chr11	57322968	57326744	57326836	57332041	-
Fam116a	MmuEX0017840	chr14	27424239	27425362	27425424	27426391	+
Fam116a	MmuEX0017841	chr14	27428117	27431453	27431547	27436077	+
Fam116a	MmuEX0017843	chr14	27411757	27411881	27411923	27419102	+
Fam116a	MmuEX0017844	chr14	27411923	27419102	27419214	27422534	+
Fam116a	MmuEX0017845	chr14	27419214	27419930	27420010	27422534	+
Fam116a	MmuEX0017846	chr14	27420010	27422534	27422639	27424160	+
Fam116b	MmuEX0017847	chr15	89015894	89015968	89016077	89016424	-
Fam116b	MmuEX0017848	chr15	89019310	89019603	89019648	89019868	-
Fam116b	MmuEX0017849	chr15	89019310	89019868	89019948	89020672	-
Fam116b	MmuEX0017850	chr15	89016857	89017386	89017428	89017578	-
Fam116b	MmuEX0017851	chr15	89016857	89017184	89017249	89017578	-
Fam116b	MmuEX0017852	chr15	89016691	89016793	89016857	89017184	-
Fam116b	MmuEX0017853	chr15	89021459	89023366	89023549	89026650	-
Fam116b	MmuEX0017854	chr15	89021347	89021421	89021459	89026650	-
Fam116b	MmuEX0017855	chr15	89017885	89018890	89018952	89019042	-
Fam116b	MmuEX0017856	chr15	89017885	89018584	89018639	89019042	-
Fam117a	MmuEX0017857	chr11	95198575	95225313	95225482	95232752	+
Fam117a	MmuEX0017863	chr11	95232847	95236296	95236406	95236943	+
Fam117a	MmuEX0017864	chr11	95232847	95236943	95237077	95238797	+
Fam117b	MmuEX0017865	chr1	60027555	60031727	60031847	60038253	+
Fam117b	MmuEX0017866	chr1	60031847	60036122	60036279	60038253	+
Fam118a	MmuEX0017867	chr15	84889255	84889819	84889900	84891959	+
Fam118a	MmuEX0017868	chr15	84889255	84890519	84890619	84891962	+
Fam118a	MmuEX0017870	chr15	84875265	84876050	84876302	84878789	+
Fam118a	MmuEX0017871	chr15	84876302	84878789	84879010	84881124	+
Fam118b	MmuEX0017872	chr9	35031327	35032984	35033302	35034749	-
Fam118b	MmuEX0017873	chr9	35029250	35031199	35031327	35034749	-
Fam118b	MmuEX0017874	chr9	35052291	35074622	35074694	35075308	-
Fam118b	MmuEX0017875	chr9	35052291	35070402	35070474	35075308	-
Fam118b	MmuEX0017876	chr9	35052291	35056254	35056315	35075308	-
Fam118b	MmuEX0017877	chr9	35052291	35052726	35052780	35075308	-
Fam118b	MmuEX0017878	chr9	35043068	35052199	35052291	35075308	-
Fam118b	MmuEX0017879	chr9	35043068	35045308	35045448	35052199	-
Fam118b	MmuEX0017880	chr9	35034976	35042816	35043068	35075308	-
Fam118b	MmuEX0017881	chr9	35031327	35034749	35034810	35042816	-
Fam120a	MmuEX0017882	chr13	49041393	49044426	49044672	49062724	-
Fam120a	MmuEX0017883	chr13	48997676	49004096	49004144	49005625	-
Fam120a	MmuEX0017884	chr13	48987459	48991691	48991745	48993029	-
Fam120a	MmuEX0017885	chr13	48980738	48981106	48981247	48984493	-
Fam120a	MmuEX0017886	chr13	48997676	49005625	49005799	49008226	-
Fam120b	MmuEX0017887	chr17	15540093	15541153	15541361	15542719	+
Fam120b	MmuEX0017888	chr17	15554689	15559842	15560048	15561234	+
Fam120c	MmuEX0017890	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Fam120c	MmuEX0017892	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Fam122b	MmuEX0017893	chrX	50613777	50613867	50613910	50619218	-

Fam124a	MmuEX0017897	chr14	63183356	63205990	63206723	63224710	+
Fam125a	MmuEX0017899	chr8	74069249	74069446	74069565	74069649	+
Fam125a	MmuEX0017900	chr8	74069755	74070147	74070167	74070872	+
Fam125a	MmuEX0017901	chr8	74069755	74070872	74070933	74071477	+
Fam125a	MmuEX0017902	chr8	74067130	74067286	74067382	74069123	+
Fam125a	MmuEX0017903	chr8	74067382	74067856	74068022	74069123	+
Fam125b	MmuEX0017904	chr2	33683331	33690057	33690153	33695679	-
Fam125b	MmuEX0017905	chr2	33589051	33591502	33591590	33607829	-
Fam125b	MmuEX0017906	chr2	33690153	33695679	33695786	33729858	-
Fam125b	MmuEX0017907	chr2	33610565	33658265	33658359	33680568	-
Fam125b	MmuEX0017908	chr2	33589051	33610510	33610565	33658265	-
Fam125b	MmuEX0017909	chr2	33589051	33607829	33607882	33610510	-
Fam126a	MmuEX0017910	chr5	23471176	23471952	23472249	23485306	-
Fam126a	MmuEX0017911	chr5	23492632	23493703	23493882	23497554	-
Fam126a	MmuEX0017912	chr5	23492071	23492552	23492632	23493703	-
Fam126a	MmuEX0017913	chr5	23491658	23491956	23492071	23492552	-
Fam126a	MmuEX0017914	chr5	23493882	23497554	23497655	23505759	-
Fam126a	MmuEX0017915	chr5	23505837	23535474	23535577	23536297	-
Fam126b	MmuEX0017916	chr1	58612001	58613353	58613408	58614116	-
Fam126b	MmuEX0017917	chr1	58587103	58591329	58591496	58592234	-
Fam126b	MmuEX0017918	chr1	58603066	58605483	58605563	58608994	-
Fam126b	MmuEX0017919	chr1	58609173	58614116	58614217	58614821	-
Fam126b	MmuEX0017920	chr1	58614901	58622701	58622798	58643056	-
Fam126b	MmuEX0017921	chr1	58614901	58619484	58619631	58622612	-
Fam129a	MmuEX0017922	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Fam129a	MmuEX0017923	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Fam129a	MmuEX0017924	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Fam129a	MmuEX0017925	chr1	1.53E+08	1.53E+08	1.53E+08	1.54E+08	+
Fam129c	MmuEX0017927	chr8	74127978	74128637	74128753	74128827	+
Fam129c	MmuEX0017929	chr8	74129617	74130560	74130643	74131440	+
Fam129c	MmuEX0017931	chr8	74126387	74126460	74126564	74126663	+
Fam129c	MmuEX0017932	chr8	74127726	74127820	74127978	74128637	+
Fam129c	MmuEX0017933	chr8	74128934	74129506	74129617	74130560	+
Fam131a	MmuEX0017934	chr16	20694902	20695812	20695954	20698995	+
Fam132a	MmuEX0017938	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Fam132a	MmuEX0017939	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Fam133b	MmuEX0017942	chr5	3543947	3554639	3554736	3557744	+
Fam134a	MmuEX0017943	chr1	75140527	75140966	75141013	75141196	+
Fam134b	MmuEX0017944	chr15	25896472	25898162	25898299	25899551	+
Fam134b	MmuEX0017945	chr15	25824898	25870881	25870998	25893979	+
Fam134c	MmuEX0017946	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam134c	MmuEX0017947	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam134c	MmuEX0017948	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam134c	MmuEX0017949	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam134c	MmuEX0017950	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam134c	MmuEX0017951	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam134c	MmuEX0017952	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-

Fam135a	MmuEX0017953	chr1	24036779	24037581	24037735	24039502	-
Fam135a	MmuEX0017954	chr1	24031712	24032984	24033066	24033447	-
Fam135a	MmuEX0017955	chr1	24021731	24027514	24027624	24028693	-
Fam135a	MmuEX0017956	chr1	24064344	24074738	24074817	24092250	-
Fam135a	MmuEX0017957	chr1	24062756	24064043	24064113	24064205	-
Fam135a	MmuEX0017959	chr1	24074817	24093359	24093450	24106900	-
Fam135a	MmuEX0017960	chr1	24074817	24092250	24092365	24106900	-
Fam135a	MmuEX0017961	chr1	24027624	24031621	24031712	24033447	-
Fam135a	MmuEX0017962	chr1	24027624	24031052	24031149	24033447	-
Fam135a	MmuEX0017963	chr1	24027624	24028693	24028844	24031052	-
Fam135a	MmuEX0017964	chr1	24053246	24055969	24056046	24060022	-
Fam135a	MmuEX0017965	chr1	24039575	24050953	24051108	24053197	-
Fam135a	MmuEX0017966	chr1	24039575	24049788	24049863	24050953	-
Fam13a	MmuEX0017968	chr6	58939779	58953459	58953500	58974306	-
Fam13a	MmuEX0017969	chr6	58953500	58964425	58964615	58974306	-
Fam13b	MmuEX0017970	chr18	34608105	34610364	34610547	34610862	-
Fam13b	MmuEX0017971	chr18	34657200	34657622	34657813	34659340	-
Fam13b	MmuEX0017972	chr18	34654430	34656988	34657200	34657622	-
Fam13b	MmuEX0017973	chr18	34653952	34654253	34654430	34656988	-
Fam13b	MmuEX0017974	chr18	34633339	34640109	34640232	34646633	-
Fam13b	MmuEX0017975	chr18	34646793	34650673	34650766	34653811	-
Fam13b	MmuEX0017976	chr18	34617528	34619011	34619076	34621715	-
Fam13b	MmuEX0017977	chr18	34611091	34613688	34613769	34614308	-
Fam13b	MmuEX0017978	chr18	34605269	34608022	34608105	34610862	-
Fam13b	MmuEX0017979	chr18	34605269	34607680	34607775	34608022	-
Fam13b	MmuEX0017980	chr18	34603656	34604931	34605094	34605186	-
Fam13b	MmuEX0017981	chr18	34624874	34633204	34633339	34646633	-
Fam13b	MmuEX0017982	chr18	34622663	34624810	34624874	34633204	-
Fam13b	MmuEX0017983	chr18	34622663	34623817	34623990	34624810	-
Fam13c	MmuEX0017985	chr10	69911562	69913775	69913976	69939902	+
Fam13c	MmuEX0017986	chr10	69940020	69961634	69961697	69983526	+
Fam13c	MmuEX0017987	chr10	69961697	69983526	69983673	69997432	+
Fam149a	MmuEX0017988	chr8	46426638	46427745	46427868	46429812	-
Fam149b	MmuEX0017989	chr14	21182672	21184838	21184872	21187068	+
Fam149b	MmuEX0017990	chr14	21182672	21187073	21187174	21193552	+
Fam149b	MmuEX0017991	chr14	21172061	21173994	21174190	21175577	+
Fam149b	MmuEX0017992	chr14	21179138	21182485	21182672	21193552	+
Fam149b	MmuEX0017993	chr14	21167616	21170534	21170638	21171926	+
Fam149b	MmuEX0017994	chr14	21197221	21197622	21197689	21202139	+
Fam149b	MmuEX0017995	chr14	21197745	21197986	21198105	21202139	+
Fam149b	MmuEX0017996	chr14	21198105	21198620	21198674	21200971	+
Fam149b	MmuEX0017997	chr14	21198105	21200975	21201043	21202139	+
Fam149b	MmuEX0017998	chr14	21170638	21171926	21172061	21175577	+
Fam149b	MmuEX0017999	chr14	21172061	21175577	21175719	21177246	+
Fam149b	MmuEX0018000	chr14	21175719	21177246	21177362	21182485	+
Fam149b	MmuEX0018001	chr14	21177362	21178977	21179138	21182485	+
Fam149b	MmuEX0018002	chr14	21182672	21193552	21193676	21202139	+

Fam149b	MmuEX0018003	chr14	21193676	21194732	21194835	21202139	+
Fam149b	MmuEX0018004	chr14	21194835	21196997	21197221	21197622	+
Fam151b	MmuEX0018008	chr13	93238117	93243918	93244083	93247783	-
Fam151b	MmuEX0018009	chr13	93220207	93237900	93238117	93247783	-
Fam151b	MmuEX0018010	chr13	93220207	93236932	93237067	93247783	-
Fam158a	MmuEX0018015	chr14	56200580	56200893	56200962	56203516	-
Fam158a	MmuEX0018016	chr14	56200580	56200718	56200812	56203516	-
Fam160a1	MmuEX0018018	chr3	85477401	85479993	85480183	85487502	-
Fam160a1	MmuEX0018019	chr3	85480183	85484863	85484954	85487502	-
Fam160a1	MmuEX0018020	chr3	85492520	85524338	85524424	85526314	-
Fam160a1	MmuEX0018021	chr3	85534807	85545073	85545296	85589140	-
Fam160a1	MmuEX0018022	chr3	85526472	85534181	85534807	85589140	-
Fam160a2	MmuEX0018023	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160a2	MmuEX0018024	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160a2	MmuEX0018025	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160a2	MmuEX0018026	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160a2	MmuEX0018027	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160a2	MmuEX0018028	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160a2	MmuEX0018029	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fam160b1	MmuEX0018030	chr19	57455914	57456214	57456383	57456709	+
Fam160b1	MmuEX0018031	chr19	57453665	57455090	57455204	57455562	+
Fam160b1	MmuEX0018032	chr19	57455204	57455562	57455638	57455722	+
Fam160b2	MmuEX0018033	chr14	70986254	70986377	70986505	70986613	-
Fam160b2	MmuEX0018034	chr14	70986025	70986164	70986254	70986377	-
Fam160b2	MmuEX0018035	chr14	70991554	70992872	70993120	70993776	-
Fam160b2	MmuEX0018036	chr14	70990251	70991382	70991554	70993776	-
Fam160b2	MmuEX0018037	chr14	70985246	70985426	70985566	70985882	-
Fam160b2	MmuEX0018038	chr14	70987547	70987769	70987845	70988069	-
Fam160b2	MmuEX0018039	chr14	70990058	70990147	70990251	70991382	-
Fam161a	MmuEX0018041	chr11	22921133	22921494	22921661	22923430	+
Fam161b	MmuEX0018042	chr12	85689326	85689556	85689720	85694750	-
Fam161b	MmuEX0018043	chr12	85687885	85689227	85689326	85689556	-
Fam162a	MmuEX0018044	chr16	36044177	36046465	36046573	36049928	-
Fam164a	MmuEX0018046	chr3	7526417	7528030	7528129	7528585	+
Fam164a	MmuEX0018047	chr3	7528129	7528585	7528684	7539076	+
Fam164a	MmuEX0018048	chr3	7528684	7535921	7536037	7539076	+
Fam164a	MmuEX0018049	chr3	7528684	7539076	7539183	7551383	+
Fam168a	MmuEX0018055	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam168a	MmuEX0018056	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam168a	MmuEX0018057	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam168b	MmuEX0018058	chr1	34876854	34880865	34880900	34885612	-
Fam171a1	MmuEX0018069	chr2	3035924	3095508	3095735	3103695	+
Fam171a1	MmuEX0018070	chr2	3119993	3137525	3137641	3140742	+
Fam171a1	MmuEX0018071	chr2	3095735	3103695	3103787	3114549	+
Fam171a1	MmuEX0018072	chr2	3114707	3119817	3119993	3137525	+
Fam171a1	MmuEX0018073	chr2	3137641	3140742	3140856	3142090	+
Fam171a2	MmuEX0018074	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-

Fam171a2	MmuEX0018075	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Fam171a2	MmuEX0018076	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Fam172a	MmuEX0018080	chr13	78138963	78145649	78145733	78302774	+
Fam172a	MmuEX0018081	chr13	78145733	78205317	78205390	78249595	+
Fam172a	MmuEX0018082	chr13	77901199	77964584	77964649	77973771	+
Fam172a	MmuEX0018083	chr13	77973962	78041915	78042136	78091246	+
Fam172a	MmuEX0018084	chr13	78042136	78091246	78091365	78138847	+
Fam172a	MmuEX0018085	chr13	77848114	77882024	77882147	77898689	+
Fam172a	MmuEX0018086	chr13	77848114	77898689	77898790	77964584	+
Fam172a	MmuEX0018087	chr13	77898790	77901099	77901199	77964584	+
Fam172a	MmuEX0018088	chr13	77901199	77941716	77941764	77964584	+
Fam172a	MmuEX0018089	chr13	77964649	77973771	77973882	78041915	+
Fam173a	MmuEX0018090	chr17	25928431	25928517	25928621	25928998	-
Fam173a	MmuEX0018091	chr17	25927723	25927878	25927928	25928291	-
Fam173b	MmuEX0018092	chr15	31531904	31533204	31533329	31546626	+
Fam173b	MmuEX0018093	chr15	31531904	31535666	31535943	31546626	+
Fam173b	MmuEX0018094	chr15	31531904	31537851	31537988	31546626	+
Fam173b	MmuEX0018095	chr15	31531904	31539321	31539371	31546626	+
Fam174b	MmuEX0018096	chr7	80885714	80911373	80911504	80919782	+
Fam175a	MmuEX0018097	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175a	MmuEX0018098	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175a	MmuEX0018099	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175a	MmuEX0018100	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175a	MmuEX0018101	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175a	MmuEX0018102	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175a	MmuEX0018103	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Fam175b	MmuEX0018104	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Fam176b	MmuEX0018106	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Fam177a	MmuEX0018107	chr12	56231776	56236655	56236721	56239763	+
Fam177a	MmuEX0018108	chr12	56231776	56238105	56238202	56239763	+
Fam178a	MmuEX0018109	chr19	45005940	45008602	45008645	45009423	+
Fam178a	MmuEX0018110	chr19	45008645	45009423	45010156	45012855	+
Fam178a	MmuEX0018111	chr19	45016916	45017411	45017429	45017939	+
Fam178a	MmuEX0018112	chr19	45016916	45017939	45018009	45022420	+
Fam178a	MmuEX0018113	chr19	45022542	45023462	45023629	45026559	+
Fam178a	MmuEX0018114	chr19	45023629	45024111	45024247	45026559	+
Fam178a	MmuEX0018115	chr19	45042169	45042922	45043069	45043527	+
Fam178a	MmuEX0018116	chr19	45047755	45048098	45048175	45050119	+
Fam178a	MmuEX0018117	chr19	45050205	45053651	45053719	45055046	+
Fam178a	MmuEX0018118	chr19	45035365	45041457	45041559	45041993	+
Fam179a	MmuEX0018124	chr17	72050384	72054028	72054181	72055119	+
Fam179a	MmuEX0018125	chr17	72054181	72055119	72055224	72056419	+
Fam179b	MmuEX0018128	chr12	66069015	66077682	66077838	66079156	+
Fam179b	MmuEX0018129	chr12	66087477	66093532	66093627	66096493	+
Fam179b	MmuEX0018130	chr12	66098032	66098503	66098604	66103595	+
Fam179b	MmuEX0018131	chr12	66113940	66115329	66115440	66117468	+
Fam179b	MmuEX0018132	chr12	66117657	66120119	66120338	66121301	+

Fam179b	MmuEX0018133	chr12	66120338	66120742	66120931	66121301	+
Fam179b	MmuEX0018134	chr12	66069015	66071213	66071242	66077682	+
Fam179b	MmuEX0018135	chr12	66096668	66097879	66098032	66103595	+
Fam179b	MmuEX0018136	chr12	66084553	66087380	66087477	66093532	+
Fam179b	MmuEX0018137	chr12	66087477	66091928	66092077	66093532	+
Fam185a	MmuEX0018151	chr5	20935651	20939509	20939601	20944518	+
Fam185a	MmuEX0018152	chr5	20953175	20961600	20961695	20964977	+
Fam185a	MmuEX0018153	chr5	20931394	20935542	20935651	20939509	+
Fam185a	MmuEX0018154	chr5	20961695	20964977	20965111	20986150	+
Fam185a	MmuEX0018155	chr5	20939601	20944518	20944656	20953134	+
Fam185a	MmuEX0018156	chr5	20939601	20953134	20953175	20961600	+
Fam188a	MmuEX0018158	chr2	12278604	12286074	12286146	12303730	-
Fam188a	MmuEX0018159	chr2	12322703	12325625	12325795	12327487	-
Fam188a	MmuEX0018160	chr2	12269830	12272556	12272627	12276904	-
Fam188a	MmuEX0018161	chr2	12269830	12271334	12271469	12272556	-
Fam188a	MmuEX0018162	chr2	12286146	12303730	12303810	12308236	-
Fam188a	MmuEX0018163	chr2	12308306	12331628	12331707	12340786	-
Fam188a	MmuEX0018164	chr2	12308306	12327487	12327547	12340786	-
Fam188a	MmuEX0018165	chr2	12308306	12322652	12322703	12340786	-
Fam188a	MmuEX0018166	chr2	12308306	12321650	12321764	12340786	-
Fam188a	MmuEX0018167	chr2	12308306	12319120	12319193	12340786	-
Fam188a	MmuEX0018168	chr2	12308306	12317806	12317885	12340786	-
Fam188a	MmuEX0018169	chr2	12286146	12308236	12308306	12317806	-
Fam188b	MmuEX0018171	chr6	55226649	55228041	55228104	55229079	+
Fam188b	MmuEX0018172	chr6	55228104	55229079	55229144	55234740	+
Fam188b	MmuEX0018173	chr6	55258329	55259256	55259328	55268257	+
Fam188b	MmuEX0018176	chr6	55205660	55210529	55210635	55212713	+
Fam188b	MmuEX0018177	chr6	55213858	55226548	55226649	55228041	+
Fam188b	MmuEX0018178	chr6	55210635	55212713	55212829	55226548	+
Fam188b	MmuEX0018179	chr6	55210635	55213770	55213858	55226548	+
Fam188b	MmuEX0018180	chr6	55234807	55247682	55247745	55258149	+
Fam188b	MmuEX0018181	chr6	55247745	55250937	55251098	55258149	+
Fam189a2	MmuEX0018186	chr19	24069381	24096096	24096152	24105038	-
Fam189a2	MmuEX0018187	chr19	24059332	24060899	24061006	24062937	-
Fam189a2	MmuEX0018188	chr19	24053958	24054076	24054205	24059199	-
Fam189a2	MmuEX0018189	chr19	24063065	24069281	24069381	24096096	-
Fam189b	MmuEX0018190	chr3	88989531	88989656	88989755	88990701	+
Fam189b	MmuEX0018191	chr3	88991526	88991998	88992066	88992145	+
Fam189b	MmuEX0018193	chr3	88987870	88988379	88988445	88988552	+
Fam18b	MmuEX0018198	chr11	62693097	62695439	62695521	62697129	+
Fam18b	MmuEX0018199	chr11	62697273	62698578	62698667	62699691	+
Fam18b	MmuEX0018200	chr11	62698667	62699691	62699822	62705444	+
Fam18b	MmuEX0018201	chr11	62699822	62705444	62705572	62707624	+
Fam192a	MmuEX0018205	chr8	97113307	97125444	97125484	97125535	-
Fam192a	MmuEX0018206	chr8	97113307	97120951	97121008	97125303	-
Fam192a	MmuEX0018207	chr8	97113307	97115469	97115602	97120951	-
Fam192a	MmuEX0018208	chr8	97113307	97115073	97115188	97125303	-

Fam192a	MmuEX0018209	chr8	97103364	97112676	97112811	97113207	-
Fam192a	MmuEX0018210	chr8	97103364	97111224	97111345	97111903	-
Fam192a	MmuEX0018211	chr8	97103364	97106784	97106914	97111224	-
Fam193a	MmuEX0018212	chr5	34786103	34786228	34786407	34787311	+
Fam193a	MmuEX0018213	chr5	34804026	34804111	34804285	34804733	+
Fam193a	MmuEX0018214	chr5	34818456	34825183	34825284	34828303	+
Fam193a	MmuEX0018215	chr5	34782882	34782997	34783239	34785950	+
Fam193a	MmuEX0018216	chr5	34787562	34800554	34800752	34801647	+
Fam193a	MmuEX0018217	chr5	34801937	34803744	34804026	34804733	+
Fam193b	MmuEX0018218	chr13	55650718	55651323	55651368	55651585	-
Fam193b	MmuEX0018219	chr13	55645150	55648644	55648722	55650479	-
Fam193b	MmuEX0018220	chr13	55641073	55641464	55641655	55642985	-
Fam193b	MmuEX0018221	chr13	55657586	55671066	55671249	55672136	-
Fam193b	MmuEX0018222	chr13	55657586	55665881	55665936	55671066	-
Fam193b	MmuEX0018223	chr13	55645150	55657344	55657586	55672136	-
Fam193b	MmuEX0018224	chr13	55645150	55655578	55655809	55672136	-
Fam193b	MmuEX0018225	chr13	55645150	55654323	55654589	55672136	-
Fam193b	MmuEX0018226	chr13	55645150	55651585	55651768	55672136	-
Fam193b	MmuEX0018227	chr13	55645150	55650479	55650718	55651585	-
Fam195a	MmuEX0018228	chr17	26001666	26005359	26005488	26005570	-
Fam195a	MmuEX0018229	chr17	26001666	26002480	26002612	26005359	-
Fam195a	MmuEX0018230	chr17	26001297	26001539	26001666	26005359	-
Fam198b	MmuEX0018235	chr3	79691052	79712511	79712725	79740517	+
Fam198b	MmuEX0018236	chr3	79688612	79689910	79691052	79712511	+
Fam198b	MmuEX0018237	chr3	79712725	79740517	79740743	79745217	+
Fam199x	MmuEX0018238	chrX	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Fam19a5	MmuEX0018246	chr15	87455916	87511910	87512059	87550932	+
Fam19a5	MmuEX0018247	chr15	87512059	87535557	87535702	87550932	+
Fam19a5	MmuEX0018248	chr15	87512059	87550932	87551059	87587727	+
Fam20a	MmuEX0018249	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Fam20a	MmuEX0018250	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Fam20a	MmuEX0018251	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Fam20b	MmuEX0018252	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Fam20b	MmuEX0018253	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Fam20b	MmuEX0018254	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Fam20b	MmuEX0018255	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Fam20b	MmuEX0018256	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Fam20c	MmuEX0018257	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Fam20c	MmuEX0018258	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Fam20c	MmuEX0018259	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Fam33a	MmuEX0018260	chr11	86922806	86926839	86926883	86929606	+
Fam33a	MmuEX0018261	chr11	86922806	86929647	86929692	86931170	+
Fam35a	MmuEX0018263	chr14	35082722	35122226	35122280	35123353	-
Fam35a	MmuEX0018269	chr14	35054701	35062363	35062557	35072811	-
Fam35a	MmuEX0018270	chr14	35058554	35062070	35062204	35062363	-
Fam35a	MmuEX0018271	chr14	35054701	35058348	35058554	35062070	-
Fam38a	MmuEX0018273	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-

Fam38a	MmuEX0018274	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam38a	MmuEX0018275	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam38a	MmuEX0018276	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam38a	MmuEX0018277	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam38a	MmuEX0018278	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam38a	MmuEX0018279	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam38a	MmuEX0018280	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fam3a	MmuEX0018296	chrX	71636443	71636653	71636753	71638014	-
Fam3a	MmuEX0018297	chrX	71632835	71632967	71633090	71635813	-
Fam3c	MmuEX0018301	chr6	22269018	22271329	22271379	22272290	-
Fam3c	MmuEX0018302	chr6	22272348	22276358	22276418	22278555	-
Fam3c	MmuEX0018303	chr6	22289377	22293266	22293319	22305995	-
Fam3c	MmuEX0018304	chr6	22279608	22289273	22289377	22293266	-
Fam3c	MmuEX0018305	chr6	22278678	22279579	22279608	22289273	-
Fam40a	MmuEX0018306	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Fam40a	MmuEX0018307	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Fam40a	MmuEX0018308	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Fam40b	MmuEX0018309	chr6	29894492	29903349	29903453	29905432	+
Fam40b	MmuEX0018310	chr6	29877389	29877587	29877693	29878435	+
Fam40b	MmuEX0018311	chr6	29878562	29879780	29879983	29881120	+
Fam40b	MmuEX0018312	chr6	29881355	29881764	29881829	29882203	+
Fam40b	MmuEX0018313	chr6	29903453	29905516	29905636	29906658	+
Fam40b	MmuEX0018314	chr6	29889163	29891839	29891939	29903349	+
Fam40b	MmuEX0018315	chr6	29889163	29894426	29894492	29903349	+
Fam45a	MmuEX0018316	chr19	60901834	60906364	60906411	60906690	+
Fam45a	MmuEX0018317	chr19	60890711	60893434	60893513	60897110	+
Fam45a	MmuEX0018318	chr19	60897258	60898198	60898309	60901734	+
Fam45a	MmuEX0018319	chr19	60901834	60906711	60906797	60910729	+
Fam48a	MmuEX0018327	chr3	54505538	54506993	54507096	54510782	+
Fam48a	MmuEX0018328	chr3	54513109	54513195	54513251	54514323	+
Fam48a	MmuEX0018329	chr3	54516171	54517098	54517124	54517655	+
Fam48a	MmuEX0018330	chr3	54519178	54519456	54519611	54521261	+
Fam48a	MmuEX0018331	chr3	54522313	54524328	54524383	54526443	+
Fam48a	MmuEX0018332	chr3	54510898	54511010	54511063	54512179	+
Fam48a	MmuEX0018333	chr3	54518718	54519079	54519178	54519456	+
Fam48a	MmuEX0018334	chr3	54526562	54529892	54529997	54531491	+
Fam48a	MmuEX0018335	chr3	54497024	54497025	54497048	54499045	+
Fam48a	MmuEX0018336	chr3	54499129	54500406	54500441	54502515	+
Fam48a	MmuEX0018337	chr3	54500441	54500873	54500931	54502515	+
Fam49a	MmuEX0018338	chr12	12311128	12347485	12347564	12364851	+
Fam49a	MmuEX0018339	chr12	12347564	12364851	12364972	12366019	+
Fam49a	MmuEX0018342	chr12	12269044	12310987	12311128	12347485	+
Fam49b	MmuEX0018343	chr15	63773563	63774739	63774875	63775878	-
Fam49b	MmuEX0018344	chr15	63788237	63802485	63802523	63829453	-
Fam49b	MmuEX0018345	chr15	63788237	63789140	63789222	63802485	-
Fam49b	MmuEX0018346	chr15	63781682	63788155	63788237	63802485	-
Fam49b	MmuEX0018347	chr15	63775983	63781561	63781682	63788155	-

Fam49b	MmuEX0018348	chr15	63788237	63789209	63789222	63802485	-
Fam49b	MmuEX0018349	chr15	63802523	63854125	63854175	63891757	-
Fam50a	MmuEX0018350	chrX	71563042	71563481	71563542	71563707	+
Fam50a	MmuEX0018351	chrX	71558664	71560016	71560100	71560203	+
Fam53a	MmuEX0018352	chr5	33957483	33971502	33971626	33971986	-
Fam53a	MmuEX0018353	chr5	33953135	33957252	33957483	33971502	-
Fam53a	MmuEX0018354	chr5	33943529	33953081	33953135	33957252	-
Fam53a	MmuEX0018355	chr5	33950876	33950980	33951081	33953081	-
Fam53a	MmuEX0018356	chr5	33943529	33950113	33950876	33953081	-
Fam53b	MmuEX0018357	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Fam53b	MmuEX0018358	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Fam53c	MmuEX0018359	chr18	34918798	34918901	34919251	34922149	+
Fam53c	MmuEX0018360	chr18	34922378	34922727	34922784	34927822	+
Fam54b	MmuEX0018363	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Fam54b	MmuEX0018364	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Fam55d	MmuEX0018373	chr9	48041365	48163070	48163170	48169510	+
Fam57a	MmuEX0018378	chr11	76015757	76016054	76016137	76018756	+
Fam57b	MmuEX0018381	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Fam57b	MmuEX0018382	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Fam59a	MmuEX0018383	chr18	21327367	21394502	21394642	21458151	-
Fam59a	MmuEX0018384	chr18	21307405	21327237	21327367	21394502	-
Fam63a	MmuEX0018394	chr3	95095466	95095829	95095887	95096047	+
Fam63a	MmuEX0018395	chr3	95096649	95097547	95097689	95098717	+
Fam63a	MmuEX0018396	chr3	95098908	95099222	95099347	95099573	+
Fam63a	MmuEX0018397	chr3	95095001	95095402	95095466	95095829	+
Fam63a	MmuEX0018398	chr3	95087547	95090618	95090794	95091567	+
Fam63b	MmuEX0018399	chr9	70453096	70453322	70453485	70455265	-
Fam63b	MmuEX0018400	chr9	70458809	70464571	70464713	70474562	-
Fam63b	MmuEX0018401	chr9	70481876	70492696	70492753	70504080	-
Fam63b	MmuEX0018402	chr9	70478961	70481812	70481876	70492696	-
Fam65a	MmuEX0018405	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam65a	MmuEX0018406	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam65a	MmuEX0018407	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam65a	MmuEX0018408	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fam65b	MmuEX0018411	chr13	24730805	24761829	24761955	24763624	+
Fam65b	MmuEX0018412	chr13	24763779	24764901	24764979	24766516	+
Fam65b	MmuEX0018413	chr13	24787571	24788340	24788465	24792931	+
Fam65b	MmuEX0018414	chr13	24764994	24766516	24766539	24769593	+
Fam65b	MmuEX0018415	chr13	24766539	24767644	24767697	24769593	+
Fam69a	MmuEX0018426	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Fam69b	MmuEX0018427	chr2	26488258	26490308	26490415	26490507	+
Fam70b	MmuEX0018433	chr8	13441280	13443987	13444049	13451026	+
Fam70b	MmuEX0018434	chr8	13444049	13451026	13451115	13454161	+
Fam70b	MmuEX0018435	chr8	13451115	13454161	13454241	13455129	+
Fam71e1	MmuEX0018442	chr7	51752100	51752285	51752403	51755520	+
Fam71e1	MmuEX0018443	chr7	51752434	51752873	51753003	51755520	+
Fam72a	MmuEX0018448	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+

Fam73a	MmuEX0018449	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018450	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018451	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018452	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018453	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018454	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018455	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018456	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018457	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018458	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73a	MmuEX0018459	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Fam73b	MmuEX0018460	chr2	30227189	30231193	30231310	30232166	+
Fam73b	MmuEX0018461	chr2	30233563	30233694	30233780	30237158	+
Fam73b	MmuEX0018462	chr2	30220095	30223072	30223307	30224397	+
Fam73b	MmuEX0018463	chr2	30224607	30225815	30225927	30226635	+
Fam73b	MmuEX0018464	chr2	30225927	30226635	30226752	30227053	+
Fam73b	MmuEX0018465	chr2	30238539	30239110	30239226	30239449	+
Fam76a	MmuEX0018467	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Fam76b	MmuEX0018468	chr9	13634223	13635426	13635581	13637416	+
Fam76b	MmuEX0018469	chr9	13635581	13636078	13636211	13637416	+
Fam76b	MmuEX0018470	chr9	13640627	13641103	13641160	13641281	+
Fam82a1	MmuEX0018473	chr17	80051141	80058753	80058813	80066211	+
Fam82a1	MmuEX0018474	chr17	80066286	80067291	80067368	80069897	+
Fam82a1	MmuEX0018475	chr17	80014708	80020646	80021112	80049642	+
Fam82a2	MmuEX0018476	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Fam82a2	MmuEX0018477	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Fam82b	MmuEX0018478	chr4	19515832	19522217	19522306	19526761	+
Fam82b	MmuEX0018479	chr4	19526816	19528503	19528590	19529790	+
Fam82b	MmuEX0018480	chr4	19526816	19528651	19528753	19529790	+
Fam82b	MmuEX0018481	chr4	19502474	19507537	19507654	19513923	+
Fam82b	MmuEX0018482	chr4	19522306	19526761	19526816	19528503	+
Fam86	MmuEX0018490	chr16	5249541	5250568	5250648	5253118	-
Fam86	MmuEX0018491	chr16	5249138	5249440	5249541	5250568	-
Fam86	MmuEX0018492	chr16	5248923	5249005	5249138	5249440	-
Fam86	MmuEX0018493	chr16	5250648	5253118	5253180	5255934	-
Fam92a	MmuEX0018494	chr4	12084911	12088154	12088270	12091235	-
Fam92a	MmuEX0018496	chr4	12082915	12084798	12084911	12091235	-
Fam92a	MmuEX0018497	chr4	12096180	12097105	12097125	12098131	-
Fam96a	MmuEX0018500	chr9	65980498	65981239	65981288	65984109	+
Fam96a	MmuEX0018501	chr9	65981288	65981460	65981529	65984109	+
Fam98a	MmuEX0018502	chr17	75939531	75940536	75940720	75944088	-
Fam98b	MmuEX0018503	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Fam98b	MmuEX0018504	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Fam98b	MmuEX0018505	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Fam98b	MmuEX0018506	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Fam98b	MmuEX0018507	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Fam98b	MmuEX0018508	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+

Fam98c	MmuEX0018509	chr7	29940828	29940904	29941049	29941050	-
Fam98c	MmuEX0018510	chr7	29939712	29940171	29940376	29940568	-
Fam98c	MmuEX0018511	chr7	29939554	29939635	29939712	29940171	-
Fam98c	MmuEX0018512	chr7	29938657	29939438	29939550	29939635	-
Fam98c	MmuEX0018513	chr7	29937866	29938341	29938508	29939438	-
Fanca	MmuEX0018524	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Fanca	MmuEX0018525	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Fanca	MmuEX0018526	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Fancc	MmuEX0018534	chr13	63501626	63504150	63504346	63532758	-
Fancc	MmuEX0018535	chr13	63499485	63501542	63501626	63532758	-
Fancc	MmuEX0018536	chr13	63424797	63426859	63426934	63431829	-
Fancc	MmuEX0018537	chr13	63418864	63423175	63423352	63424716	-
Fancc	MmuEX0018538	chr13	63414111	63418492	63418590	63418661	-
Fancc	MmuEX0018539	chr13	63448892	63462887	63463000	63499391	-
Fancc	MmuEX0018540	chr13	63448892	63461504	63461568	63499391	-
Fancc	MmuEX0018541	chr13	63441783	63448728	63448892	63461504	-
Fancc	MmuEX0018542	chr13	63433201	63441627	63441783	63448728	-
Fance	MmuEX0018564	chr17	28453848	28454103	28454168	28454413	+
Fance	MmuEX0018565	chr17	28455101	28455274	28455352	28457735	+
Fance	MmuEX0018566	chr17	28457801	28459591	28459716	28463039	+
Fance	MmuEX0018567	chr17	28459716	28460516	28460610	28463039	+
Fancg	MmuEX0018568	chr4	43022151	43022579	43022672	43022874	-
Fancg	MmuEX0018570	chr4	43019768	43019921	43019986	43020140	-
Fancg	MmuEX0018573	chr4	43016216	43016655	43016804	43017431	-
Fancg	MmuEX0018574	chr4	43015987	43016099	43016184	43016655	-
Fancg	MmuEX0018576	chr4	43017477	43017616	43017880	43018079	-
Fancl	MmuEX0018586	chr11	26368882	26369652	26369768	26370877	+
Fancl	MmuEX0018587	chr11	26369768	26370877	26370948	26371325	+
Fancl	MmuEX0018588	chr11	26334500	26359686	26359836	26368335	+
Fancl	MmuEX0018589	chr11	26287310	26297746	26297804	26322408	+
Fancl	MmuEX0018590	chr11	26287310	26299649	26299709	26322408	+
Fancl	MmuEX0018591	chr11	26299709	26303322	26303378	26307548	+
Fancl	MmuEX0018592	chr11	26287310	26307548	26307648	26322408	+
Fancl	MmuEX0018593	chr11	26368418	26368672	26368717	26369652	+
Fancl	MmuEX0018594	chr11	26368717	26368816	26368882	26369652	+
Fancm	MmuEX0018595	chr12	66200439	66202548	66202699	66203549	+
Fancm	MmuEX0018596	chr12	66202699	66203549	66203704	66206015	+
Fancm	MmuEX0018598	chr12	66207878	66214761	66214846	66214943	+
Fancm	MmuEX0018599	chr12	66215005	66217320	66217451	66219271	+
Fap	MmuEX0018611	chr2	62341486	62342563	62342662	62350443	-
Far1	MmuEX0018618	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Far1	MmuEX0018619	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Far1	MmuEX0018620	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Far1	MmuEX0018621	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Farp1	MmuEX0018622	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Farp1	MmuEX0018623	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Farp1	MmuEX0018624	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+

Farp1	MmuEX0018625	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Farp1	MmuEX0018626	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Farp2	MmuEX0018627	chr1	95502000	95504010	95504247	95506553	+
Farp2	MmuEX0018628	chr1	95516838	95517070	95517221	95517801	+
Farp2	MmuEX0018629	chr1	95465772	95466450	95466597	95470948	+
Fars2	MmuEX0018630	chr13	36209874	36296378	36297010	36323991	+
Fars2	MmuEX0018631	chr13	36433966	36501948	36502099	36629170	+
Fars2	MmuEX0018632	chr13	36297010	36299496	36299615	36323991	+
Fars2	MmuEX0018633	chr13	36297010	36323991	36324150	36338232	+
Fars2	MmuEX0018634	chr13	36209874	36240230	36240313	36296378	+
Fars2	MmuEX0018635	chr13	36324150	36338288	36338363	36433806	+
Farsa	MmuEX0018636	chr8	87385329	87385734	87385940	87387957	+
Farsa	MmuEX0018637	chr8	87388049	87388130	87388258	87388336	+
Farsa	MmuEX0018638	chr8	87388258	87388336	87388451	87391276	+
Farsa	MmuEX0018639	chr8	87388451	87391276	87391360	87391448	+
Farsb	MmuEX0018640	chr1	78476686	78478883	78478938	78485360	-
Farsb	MmuEX0018641	chr1	78474837	78476532	78476686	78485360	-
Farsb	MmuEX0018642	chr1	78469209	78471713	78471817	78472765	-
Farsb	MmuEX0018643	chr1	78469209	78469591	78469626	78472765	-
Farsb	MmuEX0018644	chr1	78469209	78472765	78472880	78474768	-
Farsb	MmuEX0018645	chr1	78459908	78461586	78461661	78463542	-
Fas	MmuEX0018646	chr19	34391167	34393080	34393141	34393273	+
Fas	MmuEX0018647	chr19	34393141	34393273	34393326	34393800	+
Fas	MmuEX0018648	chr19	34393326	34393800	34393879	34395051	+
Fas	MmuEX0018649	chr19	34365234	34374512	34374672	34381615	+
Fas	MmuEX0018650	chr19	34381768	34384502	34384659	34389669	+
Fasn	MmuEX0018653	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Fastk	MmuEX0018655	chr5	23947079	23947154	23947268	23947346	-
Fastk	MmuEX0018656	chr5	23950123	23950193	23950213	23950835	-
Fastk	MmuEX0018657	chr5	23948961	23949095	23949274	23949713	-
Fastkd1	MmuEX0018658	chr2	69525197	69528120	69528234	69529292	-
Fastkd1	MmuEX0018659	chr2	69546693	69547360	69547473	69549551	-
Fastkd1	MmuEX0018660	chr2	69543589	69545365	69545763	69546568	-
Fastkd1	MmuEX0018661	chr2	69532704	69534900	69535028	69538181	-
Fastkd2	MmuEX0018662	chr1	63778795	63781306	63781409	63782037	+
Fastkd2	MmuEX0018663	chr1	63782145	63782419	63782542	63783887	+
Fastkd2	MmuEX0018664	chr1	63782145	63784353	63784492	63792416	+
Fastkd2	MmuEX0018665	chr1	63784492	63785756	63785928	63792416	+
Fastkd3	MmuEX0018666	chr13	68724140	68726537	68726711	68728197	+
Fastkd3	MmuEX0018667	chr13	68721495	68723013	68723233	68724055	+
Fat1	MmuEX0018668	chr8	46114963	46115466	46115699	46116619	+
Fat1	MmuEX0018669	chr8	46117008	46118693	46118907	46119186	+
Fat1	MmuEX0018670	chr8	46122831	46123614	46123745	46125154	+
Fat1	MmuEX0018671	chr8	46125311	46125888	46126350	46127234	+
Fat1	MmuEX0018672	chr8	46129908	46130385	46130522	46136135	+
Fat1	MmuEX0018673	chr8	46074599	46092596	46092657	46095147	+
Fat1	MmuEX0018674	chr8	46098457	46102719	46102994	46103189	+

Fat1	MmuEX0018675	chr8	46127416	46127563	46127673	46129277	+
Fat1	MmuEX0018676	chr8	46130522	46131087	46131139	46136135	+
Fat1	MmuEX0018677	chr8	46130522	46133004	46133063	46136135	+
Fat1	MmuEX0018678	chr8	46130522	46135196	46135231	46136135	+
Fat4	MmuEX0018686	chr3	38900159	38901683	38901900	38906014	+
Fbf1	MmuEX0018688	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018690	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018691	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018692	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018693	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018694	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018695	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018696	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018697	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018698	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018699	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018700	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018701	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018702	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018703	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fbf1	MmuEX0018704	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Fblim1	MmuEX0018706	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Fblim1	MmuEX0018707	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Fblim1	MmuEX0018708	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Fblim1	MmuEX0018709	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Fblim1	MmuEX0018710	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Fbln1	MmuEX0018711	chr15	85071169	85072441	85072572	85074613	+
Fbln1	MmuEX0018712	chr15	85054815	85057398	85057569	85059990	+
Fbln1	MmuEX0018713	chr15	85060046	85061229	85061330	85061847	+
Fbln1	MmuEX0018714	chr15	85061330	85061847	85061984	85062969	+
Fbln1	MmuEX0018715	chr15	85061984	85062969	85063106	85068038	+
Fbln2	MmuEX0018716	chr6	91162894	91165169	91165346	91168822	+
Fbln2	MmuEX0018717	chr6	91214830	91215712	91215855	91215950	+
Fbln2	MmuEX0018718	chr6	91165346	91168822	91168886	91183057	+
Fbln2	MmuEX0018719	chr6	91184345	91200852	91200963	91202438	+
Fbln2	MmuEX0018720	chr6	91200963	91202438	91202567	91204435	+
Fbln2	MmuEX0018721	chr6	91206438	91206874	91206987	91207719	+
Fbln2	MmuEX0018722	chr6	91207820	91209624	91209764	91213333	+
Fbln2	MmuEX0018723	chr6	91213467	91214693	91214830	91215712	+
Fbln2	MmuEX0018724	chr6	91218648	91219082	91219210	91219958	+
Fbn1	MmuEX0018727	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fbn1	MmuEX0018728	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fbn1	MmuEX0018729	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fbn1	MmuEX0018730	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fbn1	MmuEX0018731	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fbn1	MmuEX0018732	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Fbp2	MmuEX0018744	chr13	62950877	62955334	62955426	62956264	-

Fbrs	MmuEX0018745	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018746	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018747	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018748	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018749	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018750	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018751	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018752	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018753	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrs	MmuEX0018754	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbrsl1	MmuEX0018755	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018756	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018757	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018758	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018759	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018760	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018761	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018762	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018763	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018764	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbrsl1	MmuEX0018765	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Fbxl12	MmuEX0018766	chr9	20443642	20445911	20445924	20446468	-
Fbxl12	MmuEX0018767	chr9	20446540	20448639	20448742	20449017	-
Fbxl17	MmuEX0018774	chr17	63837318	63840114	63840236	63848374	-
Fbxl17	MmuEX0018775	chr17	63429912	63574374	63574450	63706097	-
Fbxl17	MmuEX0018776	chr17	63409760	63429770	63429912	63574374	-
Fbxl17	MmuEX0018777	chr17	63820888	63830469	63830693	63837061	-
Fbxl17	MmuEX0018778	chr17	63820888	63837061	63837318	63840114	-
Fbxl17	MmuEX0018779	chr17	63734401	63820757	63820888	63837061	-
Fbxl18	MmuEX0018780	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Fbxl18	MmuEX0018781	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Fbxl19	MmuEX0018782	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbxl19	MmuEX0018783	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbxl19	MmuEX0018784	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fbxl20	MmuEX0018792	chr11	97972343	97973709	97974284	97974535	-
Fbxl20	MmuEX0018793	chr11	97970876	97972249	97972343	97974535	-
Fbxl20	MmuEX0018794	chr11	97963110	97970808	97970876	97972249	-
Fbxl20	MmuEX0018795	chr11	97958373	97959734	97959808	97961297	-
Fbxl20	MmuEX0018796	chr11	97956507	97958243	97958373	97959734	-
Fbxl20	MmuEX0018797	chr11	97953515	97954427	97954471	97956447	-
Fbxl20	MmuEX0018798	chr11	97959808	97961297	97961423	97963015	-
Fbxl20	MmuEX0018799	chr11	97974609	97976707	97976761	97989629	-
Fbxl3	MmuEX0018804	chr14	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Fbxl3	MmuEX0018805	chr14	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Fbxl4	MmuEX0018806	chr4	22349935	22350973	22351074	22354297	+
Fbxl4	MmuEX0018807	chr4	22304224	22313054	22313399	22317824	+
Fbxl4	MmuEX0018808	chr4	22318068	22330679	22330892	22349864	+

Fbxl4	MmuEX0018809	chr4	22354609	22360293	22360405	22360714	+
Fbxl4	MmuEX0018810	chr4	22284828	22302808	22302899	22313054	+
Fbxl5	MmuEX0018811	chr5	44150183	44150982	44151064	44151946	-
Fbxl5	MmuEX0018812	chr5	44142249	44149461	44150183	44150982	-
Fbxl5	MmuEX0018813	chr5	44136614	44138768	44138897	44142101	-
Fbxl5	MmuEX0018814	chr5	44151064	44151946	44152091	44154056	-
Fbxl5	MmuEX0018815	chr5	44142249	44149747	44150183	44150982	-
Fbxl5	MmuEX0018816	chr5	44136614	44142101	44142249	44149461	-
Fbxl6	MmuEX0018817	chr15	76367850	76368153	76368216	76368347	-
Fbxl6	MmuEX0018818	chr15	76367436	76367520	76367627	76367719	-
Fbxo10	MmuEX0018822	chr4	45048954	45049249	45049413	45053398	-
Fbxo10	MmuEX0018823	chr4	45059286	45061312	45061448	45064425	-
Fbxo10	MmuEX0018824	chr4	45057800	45059216	45059286	45061312	-
Fbxo10	MmuEX0018825	chr4	45064574	45071201	45072022	45074812	-
Fbxo10	MmuEX0018826	chr4	45061448	45064425	45064574	45071201	-
Fbxo11	MmuEX0018827	chr17	88391696	88392159	88392267	88392487	-
Fbxo11	MmuEX0018828	chr17	88391515	88391598	88391696	88392159	-
Fbxo11	MmuEX0018829	chr17	88412026	88413746	88413890	88414739	-
Fbxo17	MmuEX0018834	chr7	29502057	29509634	29509746	29517432	+
Fbxo17	MmuEX0018835	chr7	29521222	29522358	29522565	29522684	+
Fbxo17	MmuEX0018839	chr7	29520391	29521087	29521222	29522358	+
Fbxo18	MmuEX0018840	chr2	11684648	11685497	11685632	11685730	-
Fbxo18	MmuEX0018841	chr2	11678316	11679067	11679289	11679907	-
Fbxo18	MmuEX0018842	chr2	11665384	11668687	11668793	11669991	-
Fbxo18	MmuEX0018843	chr2	11665384	11668391	11668459	11668687	-
Fbxo18	MmuEX0018844	chr2	11677404	11678044	11678130	11678229	-
Fbxo18	MmuEX0018845	chr2	11680075	11682108	11682163	11684458	-
Fbxo18	MmuEX0018846	chr2	11680075	11681556	11681650	11682108	-
Fbxo21	MmuEX0018848	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Fbxo21	MmuEX0018849	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Fbxo25	MmuEX0018851	chr8	13907863	13914944	13915084	13920948	+
Fbxo25	MmuEX0018852	chr8	13935289	13938922	13938948	13939563	+
Fbxo25	MmuEX0018853	chr8	13915084	13920948	13921048	13921885	+
Fbxo25	MmuEX0018854	chr8	13915084	13921885	13921934	13926948	+
Fbxo25	MmuEX0018855	chr8	13921934	13923925	13924017	13926948	+
Fbxo28	MmuEX0018858	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Fbxo28	MmuEX0018859	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Fbxo3	MmuEX0018860	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Fbxo3	MmuEX0018861	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Fbxo3	MmuEX0018862	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Fbxo31	MmuEX0018863	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fbxo31	MmuEX0018864	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fbxo32	MmuEX0018865	chr15	58014533	58015637	58015819	58022840	-
Fbxo33	MmuEX0018866	chr12	60305983	60306968	60307078	60319847	-
Fbxo34	MmuEX0018867	chr14	48092392	48120469	48120545	48124661	+
Fbxo34	MmuEX0018868	chr14	48092392	48124661	48124807	48145880	+
Fbxo36	MmuEX0018873	chr1	84836543	84877667	84877775	84893065	+

Fbxo36	MmuEX0018874	chr1	84836543	84844455	84844653	84877667	+
Fbxo36	MmuEX0018875	chr1	84877775	84893065	84893237	84896572	+
Fbxo38	MmuEX0018876	chr18	62680479	62681002	62681144	62682004	-
Fbxo38	MmuEX0018877	chr18	62676797	62678146	62678265	62679408	-
Fbxo38	MmuEX0018878	chr18	62670768	62674449	62675198	62676618	-
Fbxo38	MmuEX0018879	chr18	62670768	62673960	62673983	62674449	-
Fbxo38	MmuEX0018880	chr18	62667654	62670364	62670466	62670668	-
Fbxo38	MmuEX0018881	chr18	62666403	62667488	62667654	62670364	-
Fbxo38	MmuEX0018882	chr18	62700700	62701119	62701260	62704473	-
Fbxo38	MmuEX0018883	chr18	62664534	62665129	62665242	62665592	-
Fbxo38	MmuEX0018884	chr18	62682174	62685786	62685916	62686831	-
Fbxo38	MmuEX0018885	chr18	62690480	62693163	62693328	62693555	-
Fbxo38	MmuEX0018886	chr18	62689343	62690343	62690480	62693163	-
Fbxo38	MmuEX0018887	chr18	62700700	62704473	62704580	62708266	-
Fbxo4	MmuEX0018888	chr15	3921704	3925757	3925977	3927762	-
Fbxo40	MmuEX0018889	chr16	36970829	36978835	36978864	36990190	-
Fbxo40	MmuEX0018890	chr16	36966371	36968913	36970829	36978835	-
Fbxo42	MmuEX0018893	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Fbxo42	MmuEX0018894	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Fbxo42	MmuEX0018895	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Fbxo42	MmuEX0018896	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Fbxo42	MmuEX0018897	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Fbxo42	MmuEX0018898	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Fbxo44	MmuEX0018900	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Fbxo44	MmuEX0018901	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Fbxo44	MmuEX0018902	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Fbxo5	MmuEX0018910	chr10	4545389	4546106	4546285	4546719	+
Fbxo6	MmuEX0018911	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Fbxo7	MmuEX0018912	chr10	85493814	85495705	85495895	85495979	+
Fbxo7	MmuEX0018913	chr10	85485075	85487313	85487455	85491754	+
Fbxo7	MmuEX0018914	chr10	85487455	85491754	85491981	85493673	+
Fbxo7	MmuEX0018915	chr10	85496065	85505667	85505762	85507168	+
Fbxo7	MmuEX0018916	chr10	85496065	85507168	85507344	85509518	+
Fbxo8	MmuEX0018917	chr8	59030257	59042858	59042960	59043355	+
Fbxo8	MmuEX0018918	chr8	59030257	59043363	59043691	59066804	+
Fbxo8	MmuEX0018919	chr8	59030257	59048081	59048207	59066804	+
Fbxo8	MmuEX0018920	chr8	59048207	59051733	59051848	59066804	+
Fbxo8	MmuEX0018921	chr8	59048207	59066804	59066922	59068855	+
Fbxo8	MmuEX0018922	chr8	59066922	59068855	59069051	59070233	+
Fbxo9	MmuEX0018923	chr9	77949493	77952078	77952161	77956098	-
Fbxo9	MmuEX0018924	chr9	77935395	77938413	77938511	77942952	-
Fbxo9	MmuEX0018925	chr9	77935395	77942952	77943066	77943675	-
Fbxw11	MmuEX0018927	chr11	32542935	32547116	32547291	32552748	+
Fbxw11	MmuEX0018928	chr11	32633618	32635138	32635387	32638362	+
Fbxw11	MmuEX0018929	chr11	32611997	32620472	32620658	32622055	+
Fbxw11	MmuEX0018930	chr11	32542935	32552748	32552904	32611772	+
Fbxw11	MmuEX0018931	chr11	32542935	32580201	32580302	32611772	+

Fbxw11	MmuEX0018932	chr11	32542935	32608188	32608250	32611772	+
Fbxw11	MmuEX0018933	chr11	32620658	32622055	32622145	32631336	+
Fbxw17	MmuEX0018938	chr13	50527119	50527540	50527715	50527797	+
Fbxw17	MmuEX0018939	chr13	50527715	50527797	50527924	50528667	+
Fbxw17	MmuEX0018941	chr13	50521135	50521991	50522149	50526909	+
Fbxw17	MmuEX0018942	chr13	50515397	50518571	50518687	50520926	+
Fbxw17	MmuEX0018943	chr13	50518731	50519121	50519239	50520926	+
Fbxw17	MmuEX0018944	chr13	50522149	50525537	50525956	50526909	+
Fbxw17	MmuEX0018945	chr13	50522149	50526909	50527119	50527470	+
Fbxw2	MmuEX0018946	chr2	34668529	34678078	34678587	34681482	-
Fbxw2	MmuEX0018947	chr2	34664120	34666503	34666636	34668335	-
Fbxw2	MmuEX0018948	chr2	34678587	34681482	34681590	34681692	-
Fbxw2	MmuEX0018949	chr2	34661519	34662798	34662967	34664034	-
Fbxw4	MmuEX0018956	chr19	45654283	45666219	45666284	45705355	-
Fbxw4	MmuEX0018957	chr19	45666284	45705355	45705449	45710225	-
Fbxw4	MmuEX0018958	chr19	45654283	45657206	45657291	45666219	-
Fbxw4	MmuEX0018959	chr19	45653752	45654143	45654283	45666219	-
Fbxw5	MmuEX0018960	chr2	25356406	25357456	25357671	25357921	+
Fbxw5	MmuEX0018961	chr2	25357671	25357921	25358078	25358377	+
Fbxw5	MmuEX0018962	chr2	25358565	25358645	25358793	25358957	+
Fbxw7	MmuEX0018963	chr3	84619691	84667196	84667359	84667886	+
Fbxw7	MmuEX0018964	chr3	84774831	84776297	84776478	84778325	+
Fbxw7	MmuEX0018965	chr3	84668122	84707423	84708001	84758797	+
Fbxw7	MmuEX0018966	chr3	84708001	84758797	84758879	84762426	+
Fbxw7	MmuEX0018967	chr3	84762567	84769170	84769304	84771362	+
Fbxw7	MmuEX0018968	chr3	84619691	84667886	84667933	84707423	+
Fbxw7	MmuEX0018969	chr3	84667933	84668059	84668122	84707423	+
Fbxw7	MmuEX0018970	chr3	84668122	84694017	84694174	84707423	+
Fbxw8	MmuEX0018971	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Fbxw8	MmuEX0018972	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Fbxw9	MmuEX0018973	chr8	87589868	87589955	87590068	87590172	+
Fbxw9	MmuEX0018974	chr8	87585984	87586071	87586199	87588283	+
Fbxw9	MmuEX0018975	chr8	87584435	87585845	87585984	87586071	+
Fbxw9	MmuEX0018976	chr8	87586199	87588283	87588395	87588480	+
Fcer1g	MmuEX0018978	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Fcgr1	MmuEX0018981	chr3	96090016	96090907	96091155	96096176	-
Fcgr1	MmuEX0018982	chr3	96091155	96092225	96092227	96096176	-
Fcgr2b	MmuEX0018983	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Fcgr2b	MmuEX0018984	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Fcgrt	MmuEX0018987	chr7	52357555	52357784	52358041	52358373	-
Fcgrt	MmuEX0018988	chr7	52348725	52349152	52349268	52350530	-
Fcgrt	MmuEX0018989	chr7	52349538	52350530	52350799	52357280	-
Fcho2	MmuEX0018994	chr13	99534504	99545776	99545872	99547344	-
Fcho2	MmuEX0018995	chr13	99525580	99532787	99532811	99533645	-
Fcho2	MmuEX0018996	chr13	99525580	99525696	99525807	99532787	-
Fcho2	MmuEX0018997	chr13	99518259	99519557	99519659	99519807	-
Fcho2	MmuEX0018998	chr13	99515859	99518171	99518259	99519807	-

Fcho2	MmuEX0018999	chr13	99502628	99504974	99505085	99513366	-
Fcho2	MmuEX0019000	chr13	99566322	99566876	99566971	99576261	-
Fcho2	MmuEX0019001	chr13	99559470	99559687	99559828	99566248	-
Fcho2	MmuEX0019002	chr13	99554835	99559318	99559470	99559687	-
Fcho2	MmuEX0019003	chr13	99554835	99556169	99556320	99559318	-
Fcho2	MmuEX0019004	chr13	99521886	99522289	99522300	99525035	-
Fcho2	MmuEX0019005	chr13	99547442	99554731	99554835	99559318	-
Fcho2	MmuEX0019006	chr13	99518259	99519807	99519849	99521862	-
Fcho2	MmuEX0019007	chr13	99559828	99566248	99566322	99576261	-
Fchsd1	MmuEX0019009	chr18	38124564	38125305	38125400	38125553	-
Fchsd1	MmuEX0019010	chr18	38124072	38124445	38124564	38125305	-
Fchsd2	MmuEX0019012	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019013	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019014	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019015	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019016	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019017	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019018	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019019	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fchsd2	MmuEX0019020	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Fcna	MmuEX0019023	chr2	25482196	25482487	25482522	25482798	-
Fdft1	MmuEX0019033	chr14	63775587	63777855	63777983	63782139	-
Fdx1	MmuEX0019035	chr9	51765302	51767858	51767944	51771376	-
Fdx1	MmuEX0019036	chr9	51751754	51752019	51752120	51755120	-
Fdx1	MmuEX0019037	chr9	51751754	51755120	51755302	51756682	-
Fdx1l	MmuEX0019038	chr9	20877625	20877708	20877762	20877833	-
Fdx1l	MmuEX0019039	chr9	20872561	20877519	20877625	20877708	-
Fdx1l	MmuEX0019040	chr9	20872369	20872474	20872561	20877519	-
Fdxacb1	MmuEX0019041	chr9	50576949	50578215	50578418	50578737	+
Fdxacb1	MmuEX0019042	chr9	50576560	50576793	50576949	50578215	+
Fdxacb1	MmuEX0019043	chr9	50578418	50578737	50578895	50579536	+
Fdxr	MmuEX0019044	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Fdxr	MmuEX0019045	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Fdxr	MmuEX0019046	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Fdxr	MmuEX0019047	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Fech	MmuEX0019048	chr18	64638424	64642988	64643111	64648555	-
Fech	MmuEX0019049	chr18	64618368	64619052	64619230	64621175	-
Fech	MmuEX0019050	chr18	64623838	64627382	64627488	64630336	-
Fer	MmuEX0019051	chr17	64213408	64227346	64227491	64245367	+
Fer	MmuEX0019052	chr17	64227491	64245367	64245632	64256630	+
Fer	MmuEX0019053	chr17	64245632	64256630	64256768	64260814	+
Fer	MmuEX0019054	chr17	64290829	64322414	64322506	64378639	+
Fer	MmuEX0019055	chr17	64322506	64330832	64330970	64378639	+
Fer	MmuEX0019056	chr17	64331035	64340943	64341065	64378639	+
Fer	MmuEX0019057	chr17	64341065	64378639	64378695	64384796	+
Fer	MmuEX0019058	chr17	64378695	64384796	64384911	64428201	+
Fer	MmuEX0019059	chr17	64384911	64386919	64387013	64428201	+

Fer	MmuEX0019060	chr17	64245632	64260814	64260913	64270962	+
Fer	MmuEX0019061	chr17	64260913	64270962	64271145	64283639	+
Fer	MmuEX0019062	chr17	64271145	64272711	64272848	64283639	+
Fer	MmuEX0019063	chr17	64272848	64273408	64273527	64283639	+
Fer	MmuEX0019064	chr17	64273527	64283639	64283761	64330829	+
Fer	MmuEX0019065	chr17	64283761	64290640	64290829	64322414	+
Fer	MmuEX0019066	chr17	64290829	64290932	64291106	64322414	+
Fer	MmuEX0019067	chr17	64290829	64306474	64306666	64322414	+
Fermt2	MmuEX0019076	chr14	46092554	46095248	46095350	46095563	-
Fermt2	MmuEX0019077	chr14	46081915	46082390	46082410	46084399	-
Fermt2	MmuEX0019078	chr14	46095788	46096093	46096125	46102107	-
Fermt3	MmuEX0019079	chr19	7077570	7077659	7077793	7077958	-
Fermt3	MmuEX0019080	chr19	7076942	7077060	7077166	7077312	-
Fermt3	MmuEX0019081	chr19	7088937	7089107	7089340	7093156	-
Fes	MmuEX0019082	chr7	87526173	87526487	87526696	87527199	-
Fes	MmuEX0019083	chr7	87524798	87525095	87525213	87525725	-
Fes	MmuEX0019084	chr7	87523550	87523664	87523821	87524497	-
Fez1	MmuEX0019089	chr9	36678141	36683882	36683947	36686151	+
Fez2	MmuEX0019090	chr17	78778085	78779210	78779238	78780948	-
Fez2	MmuEX0019091	chr17	78777769	78778025	78778085	78780948	-
Fez2	MmuEX0019092	chr17	78804184	78812204	78812312	78817173	-
Fez2	MmuEX0019093	chr17	78784159	78802080	78802221	78804068	-
Fez2	MmuEX0019094	chr17	78784159	78799970	78800238	78804068	-
Fez2	MmuEX0019095	chr17	78784159	78786331	78786411	78799970	-
Fgd1	MmuEX0019097	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Fgd1	MmuEX0019098	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Fgd2	MmuEX0019099	chr17	29511048	29511792	29511923	29513773	+
Fgd2	MmuEX0019100	chr17	29511923	29513043	29513136	29513773	+
Fgd2	MmuEX0019101	chr17	29513919	29515258	29515404	29515790	+
Fgd2	MmuEX0019102	chr17	29498102	29500656	29500887	29501856	+
Fgd2	MmuEX0019103	chr17	29511923	29513773	29513919	29515258	+
Fgd2	MmuEX0019104	chr17	29510242	29510329	29510359	29510956	+
Fgd2	MmuEX0019105	chr17	29510359	29510956	29511048	29511792	+
Fgd4	MmuEX0019111	chr16	16462152	16469399	16469465	16469797	-
Fgd4	MmuEX0019112	chr16	16426000	16426320	16426447	16436034	-
Fgd4	MmuEX0019113	chr16	16484690	16490516	16490699	16504079	-
Fgd4	MmuEX0019114	chr16	16436159	16436626	16436718	16437103	-
Fgd4	MmuEX0019115	chr16	16426000	16436034	16436159	16436626	-
Fgd4	MmuEX0019116	chr16	16424149	16425860	16426000	16436034	-
Fgd4	MmuEX0019117	chr16	16477606	16484545	16484690	16490516	-
Fgd4	MmuEX0019118	chr16	16462152	16469797	16469935	16474320	-
Fgd4	MmuEX0019119	chr16	16461833	16462094	16462152	16469797	-
Fgd4	MmuEX0019120	chr16	16454257	16461687	16461833	16462094	-
Fgd4	MmuEX0019121	chr16	16426000	16454085	16454257	16461687	-
Fgd5	MmuEX0019122	chr6	92011869	92012830	92012898	92015142	+
Fgd5	MmuEX0019123	chr6	91988211	92000000	92000160	92000384	+
Fgd6	MmuEX0019124	chr10	93583248	93585984	93586042	93586289	+

Fgd6	MmuEX0019125	chr10	93588377	93590114	93590193	93596025	+
Fgd6	MmuEX0019126	chr10	93508378	93536928	93537075	93552322	+
Fgd6	MmuEX0019127	chr10	93596889	93597762	93597864	93600181	+
Fgd6	MmuEX0019128	chr10	93537075	93552322	93552389	93552477	+
Fgd6	MmuEX0019129	chr10	93552507	93563147	93563298	93565987	+
Fgd6	MmuEX0019130	chr10	93586042	93586289	93586360	93587635	+
Fgf1	MmuEX0019131	chr18	39018402	39078201	39078351	39088760	-
Fgf13	MmuEX0019135	chrX	56379174	56385017	56385127	56503976	-
Fgf13	MmuEX0019136	chrX	56385127	56503976	56504143	56820317	-
Fgf18	MmuEX0019137	chr11	33018031	33024613	33024719	33034203	-
Fgf2	MmuEX0019138	chr3	37247946	37295107	37295210	37303534	+
Fgfr1	MmuEX0019142	chr8	26682932	26683191	26683261	26683595	+
Fgfr1	MmuEX0019143	chr8	26683261	26683595	26683732	26684018	+
Fgfr1	MmuEX0019144	chr8	26642900	26665980	26666246	26668203	+
Fgfr1	MmuEX0019145	chr8	26672800	26673846	26673996	26677183	+
Fgfr1op	MmuEX0019146	chr17	8358842	8361900	8361954	8362393	+
Fgfr1op	MmuEX0019147	chr17	8379446	8380933	8380991	8384263	+
Fgfr1op	MmuEX0019148	chr17	8361954	8362393	8362481	8362871	+
Fgfr1op	MmuEX0019149	chr17	8365873	8368384	8368443	8375093	+
Fgfr1op	MmuEX0019150	chr17	8384302	8385050	8385146	8387386	+
Fgfr1op2	MmuEX0019151	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Fgfr1op2	MmuEX0019152	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Fgfr3	MmuEX0019163	chr5	34074080	34075371	34075561	34075906	+
Fgfr3	MmuEX0019164	chr5	34076615	34076696	34076886	34076996	+
Fgfr3	MmuEX0019165	chr5	34077118	34077202	34077272	34077500	+
Fgfr3	MmuEX0019166	chr5	34072499	34072585	34072708	34072793	+
Fgfr3	MmuEX0019167	chr5	34070565	34070841	34070894	34072330	+
Fgfr3	MmuEX0019168	chr5	34077637	34077782	34077887	34078063	+
Fgfr3	MmuEX0019169	chr5	34072983	34073930	34074080	34075371	+
Fgfr3	MmuEX0019170	chr5	34072983	34074766	34074910	34075371	+
Fgfrl1	MmuEX0019174	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Fgfrl1	MmuEX0019175	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Fggy	MmuEX0019176	chr4	95224282	95251923	95252138	95264314	+
Fggy	MmuEX0019177	chr4	95436220	95467248	95467355	95478799	+
Fggy	MmuEX0019178	chr4	95467355	95478799	95478860	95488669	+
Fggy	MmuEX0019179	chr4	95478860	95488669	95488816	95504276	+
Fggy	MmuEX0019180	chr4	95488816	95494706	95494789	95504276	+
Fggy	MmuEX0019181	chr4	95488816	95504276	95504350	95510764	+
Fggy	MmuEX0019182	chr4	95504350	95505701	95505757	95510764	+
Fggy	MmuEX0019183	chr4	95589677	95590395	95590610	95593414	+
Fggy	MmuEX0019184	chr4	95224282	95224567	95224724	95251923	+
Fggy	MmuEX0019185	chr4	95363766	95405504	95405608	95436117	+
Fggy	MmuEX0019186	chr4	95405608	95436117	95436220	95467248	+
Fggy	MmuEX0019187	chr4	95504350	95510764	95510884	95516273	+
Fggy	MmuEX0019188	chr4	95510884	95516273	95516367	95589616	+
Fggy	MmuEX0019189	chr4	95516367	95568670	95568747	95589616	+
Fggy	MmuEX0019190	chr4	95516367	95589616	95589677	95593414	+

Fggy	MmuEX0019191	chr4	95224282	95252094	95252138	95264314	+
Fggy	MmuEX0019192	chr4	95224282	95264314	95264425	95290172	+
Fggy	MmuEX0019193	chr4	95224282	95267656	95267807	95290172	+
Fggy	MmuEX0019194	chr4	95267807	95290172	95290260	95363651	+
Fggy	MmuEX0019195	chr4	95290260	95363651	95363766	95589616	+
Fggy	MmuEX0019196	chr4	95363766	95398952	95399219	95405480	+
Fgl1	MmuEX0019197	chr8	42277034	42282312	42282499	42282668	-
Fh1	MmuEX0019201	chr1	1.78E+08	1.78E+08	1.78E+08	1.78E+08	-
Fh1	MmuEX0019202	chr1	1.78E+08	1.78E+08	1.78E+08	1.78E+08	-
Fhit	MmuEX0019216	chr14	10382912	10405927	10406025	10596254	-
Fhit	MmuEX0019217	chr14	10596322	10694531	10694560	10702544	-
Fhit	MmuEX0019218	chr14	10406025	10596254	10596322	10694531	-
Fhit	MmuEX0019222	chr14	11254127	11562239	11562309	11958061	-
Fhl1	MmuEX0019223	chrX	54043223	54043641	54043827	54045021	+
Fhl1	MmuEX0019224	chrX	54043827	54044416	54044615	54045021	+
Fhl2	MmuEX0019225	chr1	43198717	43209921	43210099	43220547	-
Fhl2	MmuEX0019226	chr1	43188666	43198543	43198717	43209921	-
Fhod1	MmuEX0019228	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Fhod1	MmuEX0019229	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Fhod1	MmuEX0019230	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Fhod1	MmuEX0019231	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Fhod3	MmuEX0019232	chr18	24912826	24928984	24929048	25056138	+
Fhod3	MmuEX0019233	chr18	25214895	25218827	25218877	25224718	+
Fhod3	MmuEX0019234	chr18	25249408	25260027	25260185	25268556	+
Fhod3	MmuEX0019235	chr18	25278812	25282869	25282892	25284244	+
Fhod3	MmuEX0019236	chr18	25148568	25152917	25153060	25160292	+
Fhod3	MmuEX0019237	chr18	25160533	25179163	25179258	25186566	+
Fhod3	MmuEX0019238	chr18	25160533	25181123	25181479	25186566	+
Fhod3	MmuEX0019239	chr18	25160533	25186566	25186670	25214761	+
Fibp	MmuEX0019243	chr19	5464215	5464334	5464431	5464925	+
Fig4	MmuEX0019244	chr10	40997320	41005096	41005219	41005407	-
Fig4	MmuEX0019245	chr10	40974695	40976227	40976343	40977821	-
Fig4	MmuEX0019246	chr10	40973594	40974650	40974695	40976227	-
Fig4	MmuEX0019247	chr10	40971689	40973446	40973594	40974650	-
Fig4	MmuEX0019248	chr10	40992814	40997164	40997320	41005096	-
Figf	MmuEX0019251	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Filip1	MmuEX0019256	chr9	79708060	79746002	79746283	79825263	-
Filip1l	MmuEX0019257	chr16	57391460	57506712	57506967	57507662	+
Fip1l1	MmuEX0019259	chr5	74942850	74943132	74943200	74953065	+
Fip1l1	MmuEX0019260	chr5	74953174	74960544	74960651	74967124	+
Fip1l1	MmuEX0019261	chr5	74968610	74981071	74981097	74983028	+
Fip1l1	MmuEX0019262	chr5	74931786	74932826	74932870	74932967	+
Fip1l1	MmuEX0019263	chr5	74931786	74932967	74933006	74936957	+
Fis1	MmuEX0019264	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Fis1	MmuEX0019265	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Fkbp10	MmuEX0019266	chr11	1E+08	1E+08	1E+08	1E+08	+
Fkbp11	MmuEX0019267	chr15	98555033	98556915	98556985	98557331	-

Fkbp11	MmuEX0019268	chr15	98557364	98557642	98557729	98557849	-
Fkbp11	MmuEX0019269	chr15	98556985	98557331	98557364	98557642	-
Fkbp14	MmuEX0019270	chr6	54535924	54539267	54539418	54542841	-
Fkbp14	MmuEX0019271	chr6	54529680	54535797	54535924	54539267	-
Fkbp14	MmuEX0019272	chr6	54529680	54532829	54532963	54535797	-
Fkbp14	MmuEX0019273	chr6	54535924	54536990	54537079	54539267	-
Fkbp15	MmuEX0019274	chr4	61995294	61997435	61997581	61998091	-
Fkbp15	MmuEX0019275	chr4	61984338	61985146	61985255	61987093	-
Fkbp15	MmuEX0019276	chr4	61966264	61966944	61967063	61967929	-
Fkbp15	MmuEX0019277	chr4	61998159	61999520	61999669	62001268	-
Fkbp15	MmuEX0019278	chr4	61997581	61998091	61998159	61999520	-
Fkbp15	MmuEX0019279	chr4	61985255	61988847	61988953	61990382	-
Fkbp15	MmuEX0019280	chr4	61987207	61987815	61987940	61988847	-
Fkbp15	MmuEX0019281	chr4	61985255	61987093	61987207	61990382	-
Fkbp15	MmuEX0019282	chr4	62006611	62007091	62007175	62013467	-
Fkbp15	MmuEX0019283	chr4	62001366	62006542	62006611	62013467	-
Fkbp15	MmuEX0019284	chr4	62001366	62001656	62001730	62006542	-
Fkbp1a	MmuEX0019285	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fkbp1a	MmuEX0019286	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fkbp2	MmuEX0019289	chr19	7053160	7053463	7053631	7054884	-
Fkbp2	MmuEX0019290	chr19	7052926	7053048	7053160	7053463	-
Fkbp3	MmuEX0019291	chr12	66166791	66167629	66167764	66169989	-
Fkbp4	MmuEX0019292	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Fkbp4	MmuEX0019293	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Fkbp5	MmuEX0019295	chr17	28543215	28547455	28547538	28548979	-
Fkbp5	MmuEX0019296	chr17	28538096	28539554	28539793	28543030	-
Fkbp7	MmuEX0019300	chr2	76503867	76509754	76509905	76510863	-
Fkbp7	MmuEX0019301	chr2	76503867	76505384	76505499	76509754	-
Fkbp7	MmuEX0019302	chr2	76501409	76503734	76503867	76509754	-
Fktn	MmuEX0019303	chr4	53750531	53752643	53752798	53755368	+
Fktn	MmuEX0019304	chr4	53733081	53742852	53742911	53744004	+
Fktn	MmuEX0019305	chr4	53744207	53747722	53747999	53750399	+
Fktn	MmuEX0019306	chr4	53733081	53737477	53737614	53742852	+
Fktn	MmuEX0019307	chr4	53750531	53755368	53755638	53757491	+
Fktn	MmuEX0019308	chr4	53750531	53757491	53757620	53774046	+
Fktn	MmuEX0019309	chr4	53750531	53759979	53760014	53774046	+
Fktn	MmuEX0019310	chr4	53750531	53761241	53761368	53774046	+
Flad1	MmuEX0019311	chr3	89207391	89209503	89209692	89209777	-
Flad1	MmuEX0019312	chr3	89213088	89215080	89215302	89215483	-
Flad1	MmuEX0019313	chr3	89209875	89211331	89211401	89212344	-
Flad1	MmuEX0019314	chr3	89209692	89209777	89209844	89211331	-
Flcn	MmuEX0019315	chr11	59608766	59609009	59609077	59609252	-
Flcn	MmuEX0019316	chr11	59607906	59608643	59608766	59609252	-
Flcn	MmuEX0019317	chr11	59618293	59621302	59621417	59623162	-
Flcn	MmuEX0019318	chr11	59607693	59607775	59607906	59608643	-
Fli1	MmuEX0019319	chr9	32269039	32273270	32273424	32284147	-
Fli1	MmuEX0019320	chr9	32237558	32259718	32259783	32268836	-

Flii	MmuEX0019321	chr11	60538364	60538660	60538770	60540629	-
Flii	MmuEX0019322	chr11	60531793	60532084	60532167	60532348	-
Flna	MmuEX0019323	chrX	71488504	71491403	71491890	71495068	-
Flna	MmuEX0019324	chrX	71488164	71488256	71488504	71491403	-
Flna	MmuEX0019325	chrX	71485889	71486442	71486642	71486726	-
Flna	MmuEX0019326	chrX	71482344	71482461	71482578	71482760	-
Flna	MmuEX0019327	chrX	71475497	71475640	71475735	71475845	-
Flna	MmuEX0019328	chrX	71473313	71473425	71473577	71473660	-
Flna	MmuEX0019329	chrX	71485889	71486155	71486162	71486442	-
Flna	MmuEX0019330	chrX	71476092	71478306	71478329	71478488	-
Flnb	MmuEX0019331	chr14	8650957	8700051	8700299	8702294	+
Flnb	MmuEX0019332	chr14	8714798	8716274	8716436	8717064	+
Flnb	MmuEX0019333	chr14	8717261	8718540	8718637	8720051	+
Flnb	MmuEX0019334	chr14	8720188	8721649	8721775	8723244	+
Flnb	MmuEX0019335	chr14	8727201	8728604	8728694	8728900	+
Flnb	MmuEX0019336	chr14	8734515	8736976	8737238	8737892	+
Flnb	MmuEX0019337	chr14	8749897	8751624	8751871	8755189	+
Flnb	MmuEX0019338	chr14	8751871	8755189	8755227	8755969	+
Flnb	MmuEX0019339	chr14	8763429	8763538	8763660	8766228	+
Flnb	MmuEX0019340	chr14	8706006	8714097	8714215	8714721	+
Flnb	MmuEX0019341	chr14	8766494	8767078	8767215	8768448	+
Flnc	MmuEX0019342	chr6	29399396	29400566	29400733	29400814	+
Flnc	MmuEX0019343	chr6	29402897	29403199	29403298	29403620	+
Flnc	MmuEX0019344	chr6	29404435	29405120	29405281	29405361	+
Flnc	MmuEX0019345	chr6	29407238	29407443	29407558	29408777	+
Flnc	MmuEX0019346	chr6	29402380	29402799	29402897	29403199	+
Flot1	MmuEX0019347	chr17	35967736	35967888	35968052	35969452	+
Flot1	MmuEX0019348	chr17	35961314	35961511	35961654	35961778	+
Flot1	MmuEX0019349	chr17	35961654	35961778	35961897	35962376	+
Flot1	MmuEX0019350	chr17	35961147	35961224	35961314	35961511	+
Flot2	MmuEX0019351	chr11	77851614	77862980	77863061	77868287	+
Flot2	MmuEX0019352	chr11	77863061	77866865	77866955	77869259	+
Flot2	MmuEX0019353	chr11	77863061	77868287	77868377	77869259	+
Flt1	MmuEX0019355	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Flt4	MmuEX0019359	chr11	49438973	49439200	49439312	49439403	+
Flt4	MmuEX0019360	chr11	49450274	49450485	49450573	49450704	+
Flt4	MmuEX0019361	chr11	49453795	49455723	49455822	49456937	+
Flt4	MmuEX0019362	chr11	49439897	49440171	49440339	49440622	+
Flt4	MmuEX0019363	chr11	49440739	49443771	49443925	49444015	+
Flt4	MmuEX0019364	chr11	49459513	49461449	49461534	49464387	+
Flywch1	MmuEX0019365	chr17	23900285	23907202	23907295	23908382	-
Fmn1	MmuEX0019368	chr2	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Fmn1	MmuEX0019369	chr2	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Fmn1	MmuEX0019370	chr2	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Fmn1	MmuEX0019372	chr2	1.13E+08	1.14E+08	1.14E+08	1.14E+08	+
Fmn1	MmuEX0019374	chr2	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Fmn1	MmuEX0019375	chr2	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+

Fmn1	MmuEX0019377	chr2	1.13E+08	1.14E+08	1.14E+08	1.14E+08	+
Fmn1	MmuEX0019378	chr2	1.13E+08	1.14E+08	1.14E+08	1.14E+08	+
Fmnl1	MmuEX0019385	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Fmnl1	MmuEX0019386	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Fmnl1	MmuEX0019387	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Fmnl1	MmuEX0019388	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Fmnl1	MmuEX0019389	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Fmnl1	MmuEX0019390	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Fmnl2	MmuEX0019392	chr2	52931320	52932674	52932767	52956305	+
Fmnl2	MmuEX0019393	chr2	52966699	52967286	52967492	52973146	+
Fmnl2	MmuEX0019396	chr2	52873920	52895538	52895618	52901327	+
Fmnl2	MmuEX0019397	chr2	52910317	52913488	52913640	52927536	+
Fmnl2	MmuEX0019398	chr2	52986010	52987751	52987876	52990874	+
Fmnl2	MmuEX0019399	chr2	52986010	52989446	52989492	52990874	+
Fmnl3	MmuEX0019400	chr15	99162501	99165285	99166199	99168061	-
Fmnl3	MmuEX0019401	chr15	99156184	99156285	99156359	99157946	-
Fmnl3	MmuEX0019402	chr15	99150085	99150416	99150517	99150784	-
Fmnl3	MmuEX0019403	chr15	99159863	99162418	99162501	99165285	-
Fmnl3	MmuEX0019404	chr15	99156359	99157946	99158039	99158252	-
Fmnl3	MmuEX0019405	chr15	99148803	99149349	99149448	99149562	-
Fmnl3	MmuEX0019406	chr15	99158597	99159711	99159863	99162418	-
Fmnl3	MmuEX0019407	chr15	99158597	99159525	99159607	99159711	-
Fmo1	MmuEX0019408	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Fmo5	MmuEX0019411	chr3	97433118	97433495	97433651	97439434	+
Fmr1	MmuEX0019413	chrX	65944769	65948189	65948260	65948664	+
Fmr1	MmuEX0019414	chrX	65958555	65959036	65959098	65961217	+
Fmr1	MmuEX0019415	chrX	65961303	65963759	65963954	65965406	+
Fn1	MmuEX0019419	chr1	71692276	71694583	71694720	71695768	-
Fn1	MmuEX0019420	chr1	71642376	71643855	71644321	71644948	-
Fn1	MmuEX0019421	chr1	71637466	71639645	71639809	71642238	-
Fn1	MmuEX0019422	chr1	71649071	71650234	71650503	71651544	-
Fn1	MmuEX0019423	chr1	71659224	71660337	71660609	71661934	-
Fn1	MmuEX0019424	chr1	71643961	71644216	71644246	71644948	-
Fn1	MmuEX0019425	chr1	71637466	71642238	71642376	71644948	-
Fn3k	MmuEX0019426	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fn3k	MmuEX0019427	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fn3k	MmuEX0019428	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fn3k	MmuEX0019429	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fn3krp	MmuEX0019430	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fn3krp	MmuEX0019431	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fn3krp	MmuEX0019432	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Fnbp1	MmuEX0019433	chr2	30952670	30960762	30960877	30997299	-
Fnbp1	MmuEX0019434	chr2	30900416	30903142	30903277	30903725	-
Fnbp1	MmuEX0019435	chr2	30892183	30892676	30892808	30895925	-
Fnbp1	MmuEX0019436	chr2	30896034	30900402	30900416	30903725	-
Fnbp1	MmuEX0019437	chr2	30939605	30952614	30952670	30960762	-
Fnbp1	MmuEX0019438	chr2	30939605	30951547	30951694	30960762	-

Fnbp1	MmuEX0019439	chr2	30914537	30938494	30938598	30939543	-
Fnbp1	MmuEX0019440	chr2	30911094	30914409	30914537	30938494	-
Fnbp1	MmuEX0019441	chr2	30896034	30910948	30911094	30914409	-
Fnbp1	MmuEX0019442	chr2	30896034	30909544	30909738	30910948	-
Fnbp1	MmuEX0019443	chr2	30896034	30908505	30908600	30909544	-
Fnbp1	MmuEX0019444	chr2	30896034	30903725	30903808	30908505	-
Fnbp1l	MmuEX0019445	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019446	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019447	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019448	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019449	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019450	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019451	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019452	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp1l	MmuEX0019453	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Fnbp4	MmuEX0019454	chr2	90606091	90607565	90607698	90608673	+
Fnbp4	MmuEX0019455	chr2	90616378	90616488	90616632	90617722	+
Fnbp4	MmuEX0019456	chr2	90618077	90619356	90619513	90621957	+
Fnbp4	MmuEX0019457	chr2	90591775	90592976	90593123	90593227	+
Fnbp4	MmuEX0019458	chr2	90593347	90597493	90597843	90598451	+
Fnbp4	MmuEX0019459	chr2	90598661	90600076	90600231	90603578	+
Fnbp4	MmuEX0019460	chr2	90597843	90598451	90598661	90603578	+
Fnbp4	MmuEX0019461	chr2	90607698	90608010	90608112	90608673	+
Fnbp4	MmuEX0019462	chr2	90608857	90614907	90615005	90616062	+
Fndc3a	MmuEX0019475	chr14	72982822	72983719	72983755	72984382	-
Fndc3a	MmuEX0019476	chr14	72974487	72975532	72975621	72982764	-
Fndc3a	MmuEX0019477	chr14	72968773	72971242	72971295	72973097	-
Fndc3a	MmuEX0019478	chr14	72967291	72968649	72968773	72971242	-
Fndc3a	MmuEX0019479	chr14	72952406	72953189	72953355	72955954	-
Fndc3a	MmuEX0019481	chr14	72984651	72989561	72989798	72998873	-
Fndc3a	MmuEX0019482	chr14	72982822	72984382	72984651	72989561	-
Fndc3a	MmuEX0019483	chr14	72974487	72982764	72982822	72989561	-
Fndc3a	MmuEX0019484	chr14	72998949	73051823	73051898	73083441	-
Fndc3b	MmuEX0019485	chr3	27542011	27581660	27581736	27610042	-
Fndc3b	MmuEX0019486	chr3	27519602	27541873	27542011	27610042	-
Fndc3b	MmuEX0019487	chr3	27397758	27400316	27400467	27407403	-
Fndc3b	MmuEX0019488	chr3	27339092	27350236	27350516	27355371	-
Fndc3b	MmuEX0019489	chr3	27387212	27389055	27389065	27389947	-
Fndc3b	MmuEX0019490	chr3	27369268	27387159	27387212	27389947	-
Fndc3b	MmuEX0019491	chr3	27357811	27360598	27360716	27362697	-
Fndc3b	MmuEX0019492	chr3	27357811	27358867	27358972	27362697	-
Fndc3b	MmuEX0019493	chr3	27400467	27440853	27441096	27455042	-
Fndc3b	MmuEX0019494	chr3	27400467	27407403	27407461	27436871	-
Fnip1	MmuEX0019503	chr11	54306896	54310104	54310189	54312913	+
Fnip1	MmuEX0019504	chr11	54313059	54314022	54314191	54315761	+
Fnip1	MmuEX0019505	chr11	54294186	54295997	54296088	54301214	+
Fnip1	MmuEX0019506	chr11	54251890	54279589	54279715	54289134	+

Fnip1	MmuEX0019507	chr11	54296088	54301214	54301297	54302771	+
Fnip2	MmuEX0019508	chr3	79297399	79304260	79304389	79310129	-
Fnip2	MmuEX0019510	chr3	79269670	79283409	79283565	79284481	-
Fnip2	MmuEX0019511	chr3	79266166	79269470	79269670	79283409	-
Fnip2	MmuEX0019512	chr3	79316520	79321987	79322113	79371431	-
Fnip2	MmuEX0019513	chr3	79316520	79319025	79319171	79321987	-
Fnip2	MmuEX0019514	chr3	79312109	79316420	79316520	79319025	-
Fnip2	MmuEX0019515	chr3	79312109	79316253	79316324	79316420	-
Fnip2	MmuEX0019516	chr3	79310200	79312009	79312109	79316253	-
Fnip2	MmuEX0019517	chr3	79310200	79311761	79311850	79312009	-
Fnta	MmuEX0019518	chr8	27111504	27114888	27115036	27117659	-
Fntb	MmuEX0019519	chr12	78015718	78017401	78017515	78021063	+
Fntb	MmuEX0019520	chr12	77938638	77963473	77963537	77974363	+
Fntb	MmuEX0019521	chr12	77989042	77998314	77998400	78007932	+
Fntb	MmuEX0019522	chr12	77998400	78007932	78008061	78011198	+
Folr2	MmuEX0019532	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Folr2	MmuEX0019533	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Folr2	MmuEX0019534	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Fosl2	MmuEX0019538	chr5	32449449	32452794	32452901	32455044	+
Foxj2	MmuEX0019539	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Foxj2	MmuEX0019540	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Foxj3	MmuEX0019541	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Foxj3	MmuEX0019542	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Foxj3	MmuEX0019543	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Foxj3	MmuEX0019544	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Foxj3	MmuEX0019545	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Foxj3	MmuEX0019546	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Foxk2	MmuEX0019547	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Foxk2	MmuEX0019548	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Foxk2	MmuEX0019549	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Foxk2	MmuEX0019550	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Foxk2	MmuEX0019551	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Foxk2	MmuEX0019552	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Foxn2	MmuEX0019559	chr17	88840224	88858941	88859008	88862053	+
Foxn2	MmuEX0019560	chr17	88840224	88862053	88862603	88875196	+
Foxn2	MmuEX0019561	chr17	88875290	88878616	88878680	88885743	+
Foxn2	MmuEX0019562	chr17	88878680	88883741	88883809	88885743	+
Foxn3	MmuEX0019563	chr12	1E+08	1E+08	1E+08	1.01E+08	-
Foxn3	MmuEX0019564	chr12	1E+08	1E+08	1E+08	1.01E+08	-
Foxo4	MmuEX0019565	chrX	98450612	98451223	98451357	98451452	+
Foxo4	MmuEX0019566	chrX	98450612	98451452	98451597	98453516	+
Foxp1	MmuEX0019567	chr6	98960048	98965418	98965504	98966522	-
Foxp1	MmuEX0019568	chr6	98885434	98889713	98889782	98891530	-
Foxp1	MmuEX0019570	chr6	98904398	98916021	98916108	98928127	-
Foxp1	MmuEX0019571	chr6	98889782	98891530	98891651	98894613	-
Foxp1	MmuEX0019572	chr6	98889782	98890989	98891158	98894613	-
Foxp4	MmuEX0019582	chr17	48015703	48017212	48017298	48017719	-

Foxp4	MmuEX0019583	chr17	48017298	48017719	48017841	48025074	-
Foxred1	MmuEX0019585	chr9	35012994	35013174	35013303	35013445	-
Foxred1	MmuEX0019586	chr9	35013884	35015477	35015567	35016623	-
Foxred1	MmuEX0019587	chr9	35013884	35015064	35015165	35016623	-
Foxred1	MmuEX0019588	chr9	35017114	35017530	35017750	35018330	-
Foxred1	MmuEX0019589	chr9	35016741	35017001	35017092	35017525	-
Fpgs	MmuEX0019592	chr2	32542405	32542665	32542742	32542933	-
Fpgs	MmuEX0019593	chr2	32541389	32542074	32542163	32542258	-
Fpgs	MmuEX0019594	chr2	32540336	32540834	32540909	32541239	-
Fpgs	MmuEX0019595	chr2	32548024	32548113	32548241	32549509	-
Fpgt	MmuEX0019596	chr3	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Frg1	MmuEX0019613	chr8	42496702	42500157	42500227	42502254	-
Frmd4a	MmuEX0019618	chr2	4455657	4456219	4456276	4458285	+
Frmd4a	MmuEX0019619	chr2	4456276	4458285	4458371	4481260	+
Frmd4a	MmuEX0019620	chr2	4458371	4481260	4481336	4487098	+
Frmd4a	MmuEX0019621	chr2	4481336	4487098	4487236	4493344	+
Frmd4a	MmuEX0019624	chr2	4525297	4527016	4527112	4532013	+
Frmd4a	MmuEX0019625	chr2	4527112	4529045	4529116	4532013	+
Frmd4b	MmuEX0019629	chr6	97275484	97278227	97278292	97279475	-
Frmd4b	MmuEX0019630	chr6	97273735	97275427	97275484	97278227	-
Frmd5	MmuEX0019636	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Frmd5	MmuEX0019637	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Frmd6	MmuEX0019638	chr12	71926560	71957403	71957545	71964864	+
Frmd8	MmuEX0019643	chr19	5852742	5852821	5853002	5856585	-
Frmd8	MmuEX0019644	chr19	5862394	5863224	5863347	5865069	-
Frmd8	MmuEX0019645	chr19	5852742	5856585	5856789	5862251	-
Frrs1	MmuEX0019648	chr3	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Frrs1	MmuEX0019649	chr3	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Frrs1	MmuEX0019650	chr3	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Frrs1	MmuEX0019651	chr3	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Frs2	MmuEX0019652	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019653	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019654	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019655	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019656	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019657	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019658	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019659	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs2	MmuEX0019660	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Frs3	MmuEX0019661	chr17	47835610	47836458	47836644	47838572	+
Fry	MmuEX0019662	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fry	MmuEX0019663	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fry	MmuEX0019664	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fry	MmuEX0019665	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fry	MmuEX0019666	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fry	MmuEX0019668	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Fryl	MmuEX0019669	chr5	73504091	73509723	73509824	73511057	-

Fryl	MmuEX0019670	chr5	73484453	73486655	73486712	73487513	-
Fryl	MmuEX0019671	chr5	73426392	73432585	73432832	73438759	-
Fryl	MmuEX0019672	chr5	73424984	73426185	73426392	73432585	-
Fryl	MmuEX0019673	chr5	73441744	73442106	73442114	73445292	-
Fryl	MmuEX0019674	chr5	73489666	73491185	73491271	73491525	-
Fryl	MmuEX0019676	chr5	73539461	73586225	73586352	73612147	-
Fryl	MmuEX0019677	chr5	73415237	73416010	73416027	73418555	-
Fryl	MmuEX0019678	chr5	73441744	73456178	73456785	73458513	-
Fryl	MmuEX0019679	chr5	73441744	73455745	73455842	73456178	-
Fryl	MmuEX0019680	chr5	73441744	73450618	73450788	73455745	-
Fryl	MmuEX0019681	chr5	73441744	73448963	73449103	73450618	-
Fryl	MmuEX0019682	chr5	73441744	73446764	73446961	73448963	-
Fryl	MmuEX0019683	chr5	73441744	73445955	73446116	73446764	-
Fryl	MmuEX0019684	chr5	73441744	73445769	73445843	73445955	-
Fryl	MmuEX0019685	chr5	73441744	73445292	73445468	73445769	-
Fryl	MmuEX0019686	chr5	73460153	73463975	73464160	73465081	-
Fryl	MmuEX0019687	chr5	73461243	73462344	73462545	73463975	-
Fryl	MmuEX0019688	chr5	73445843	73461122	73461243	73462344	-
Fryl	MmuEX0019689	chr5	73441744	73459963	73460150	73461122	-
Fryl	MmuEX0019690	chr5	73441744	73458513	73458607	73459963	-
Frzb	MmuEX0019691	chr2	80253629	80258050	80258113	80258469	-
Fsd1l	MmuEX0019697	chr4	53644484	53657128	53657209	53659859	+
Fsd1l	MmuEX0019698	chr4	53706956	53707480	53707731	53709762	+
Fsd1l	MmuEX0019699	chr4	53699389	53700079	53700111	53706856	+
Fsd1l	MmuEX0019700	chr4	53662765	53668613	53668635	53672385	+
Fsd1l	MmuEX0019701	chr4	53662765	53672385	53672506	53692666	+
Fsd2	MmuEX0019702	chr7	88689996	88690743	88690877	88693733	-
Fstl4	MmuEX0019708	chr11	52979374	52981673	52981822	52990419	+
Fto	MmuEX0019718	chr8	93965705	93992216	93992295	93998208	+
Fto	MmuEX0019719	chr8	94009177	94025625	94025719	94046671	+
Fto	MmuEX0019720	chr8	93998351	94009058	94009177	94046671	+
Ftsj1	MmuEX0019721	chrX	7823906	7823995	7824047	7826105	-
Ftsj1	MmuEX0019722	chrX	7822781	7823462	7823545	7823658	-
Ftsj1	MmuEX0019723	chrX	7823545	7823658	7823760	7823853	-
Ftsj3	MmuEX0019724	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ftsj3	MmuEX0019725	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ftsj3	MmuEX0019726	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Fubp1	MmuEX0019727	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Fubp1	MmuEX0019729	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Fubp1	MmuEX0019730	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Fubp3	MmuEX0019731	chr2	31456071	31458731	31458835	31460134	+
Fubp3	MmuEX0019732	chr2	31438780	31447983	31448016	31450363	+
Fubp3	MmuEX0019733	chr2	31448016	31448925	31449040	31450363	+
Fubp3	MmuEX0019734	chr2	31450841	31452114	31452171	31454058	+
Fubp3	MmuEX0019735	chr2	31460863	31463605	31463746	31467099	+
Fubp3	MmuEX0019736	chr2	31467259	31467623	31467755	31468005	+
Fubp3	MmuEX0019737	chr2	31468078	31468357	31468428	31468551	+

Fubp3	MmuEX0019738	chr2	31428473	31438675	31438780	31447983	+
Fubp3	MmuEX0019739	chr2	31468627	31470231	31470302	31471018	+
Fubp3	MmuEX0019740	chr2	31470302	31471018	31471145	31471699	+
Fuca1	MmuEX0019741	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Fuca2	MmuEX0019742	chr10	13232532	13234513	13234680	13234923	+
Fuca2	MmuEX0019743	chr10	13225884	13226512	13226722	13227041	+
Fuca2	MmuEX0019744	chr10	13227231	13232424	13232532	13234513	+
Fuk	MmuEX0019745	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019746	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019747	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019748	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019749	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019750	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019751	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fuk	MmuEX0019752	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Fundc1	MmuEX0019753	chrX	17135935	17145159	17145234	17148429	-
Fundc1	MmuEX0019754	chrX	17135137	17135807	17135935	17145159	-
Fundc2	MmuEX0019755	chrX	72632591	72636123	72636198	72636979	+
Fut8	MmuEX0019762	chr12	78340240	78378348	78378442	78424832	+
Fut8	MmuEX0019763	chr12	78549706	78551087	78551263	78565047	+
Fut8	MmuEX0019764	chr12	78551263	78565047	78565197	78575986	+
Fut8	MmuEX0019765	chr12	78433316	78456286	78456426	78465956	+
Fut8	MmuEX0019766	chr12	78494824	78513699	78513936	78549460	+
Fut8	MmuEX0019767	chr12	78378442	78379931	78380019	78424832	+
Fut8	MmuEX0019768	chr12	78378442	78424832	78424924	78432883	+
Fut8	MmuEX0019769	chr12	78424924	78432883	78433316	78465956	+
Fuz	MmuEX0019772	chr7	52152994	52153886	52154070	52154146	+
Fuz	MmuEX0019773	chr7	52151732	52151917	52152015	52152631	+
Fuz	MmuEX0019774	chr7	52151732	52152285	52152369	52152631	+
Fuz	MmuEX0019775	chr7	52154608	52154682	52154756	52155503	+
Fxc1	MmuEX0019776	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Fxr1	MmuEX0019777	chr3	33919085	33938449	33938501	33939985	+
Fxr1	MmuEX0019778	chr3	33957003	33957091	33957153	33960750	+
Fxr1	MmuEX0019779	chr3	33957153	33960750	33960953	33963041	+
Fxr1	MmuEX0019780	chr3	33940078	33944954	33945025	33945359	+
Fxr1	MmuEX0019781	chr3	33945025	33945359	33945507	33945888	+
Fxr1	MmuEX0019782	chr3	33963245	33963903	33963976	33967083	+
Fxr1	MmuEX0019783	chr3	33963245	33967083	33967174	33967839	+
Fxr2	MmuEX0019784	chr11	69446900	69452892	69452944	69453736	+
Fxr2	MmuEX0019785	chr11	69455642	69456872	69456963	69457340	+
Fxyd1	MmuEX0019786	chr7	31839453	31839784	31839872	31840570	-
Fxyd1	MmuEX0019787	chr7	31838080	31838419	31838493	31838912	-
Fxyd1	MmuEX0019788	chr7	31837196	31838044	31838080	31838419	-
Fxyd2	MmuEX0019790	chr9	45216227	45216383	45216457	45217596	+
Fxyd2	MmuEX0019791	chr9	45216457	45217596	45217632	45217786	+
Fxyd5	MmuEX0019797	chr7	31818037	31820228	31820302	31820405	-
Fxyd6	MmuEX0019798	chr9	45178571	45184471	45184534	45188406	+

Fxyd6	MmuEX0019799	chr9	45178571	45198717	45198755	45199644	+
Fxyd6	MmuEX0019800	chr9	45184534	45188406	45188736	45198071	+
Fxyd7	MmuEX0019801	chr7	31830046	31832392	31832421	31836375	-
Fyb	MmuEX0019803	chr15	6531046	6569594	6569750	6580072	+
Fyb	MmuEX0019806	chr15	6593763	6594762	6594899	6596637	+
Fyco1	MmuEX0019807	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019808	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019809	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019810	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019811	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019812	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019813	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019814	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019815	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyco1	MmuEX0019816	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Fyn	MmuEX0019817	chr10	39246736	39249243	39249407	39251822	+
Fyn	MmuEX0019818	chr10	39249407	39249725	39249880	39251822	+
Fyn	MmuEX0019819	chr10	39114850	39174872	39174941	39231545	+
Fyn	MmuEX0019820	chr10	39114850	39174429	39174541	39174872	+
Fyn	MmuEX0019821	chr10	39174941	39187715	39187827	39231545	+
Fytd1	MmuEX0019822	chr16	32900793	32902505	32902631	32905618	+
Fytd1	MmuEX0019823	chr16	32884338	32888216	32888315	32891351	+
Fytd1	MmuEX0019824	chr16	32899025	32900719	32900793	32902505	+
Fzd3	MmuEX0019825	chr14	65854768	65858555	65858751	65871781	-
Fzd3	MmuEX0019826	chr14	65831060	65853751	65854768	65870585	-
Fzd6	MmuEX0019828	chr15	38839109	38841239	38841377	38857212	+
Fzd6	MmuEX0019829	chr15	38839109	38857212	38857408	38862361	+
Fzd6	MmuEX0019830	chr15	38863378	38865396	38865544	38867932	+
Fzd6	MmuEX0019831	chr15	38863378	38866354	38866773	38867932	+
Fzr1	MmuEX0019832	chr10	80833126	80833210	80833292	80833442	-
Fzr1	MmuEX0019833	chr10	80832003	80832087	80832185	80832716	-
G2e3	MmuEX0019835	chr12	52462034	52464173	52464297	52464404	+
G2e3	MmuEX0019838	chr12	52464533	52466242	52466546	52468739	+
G3bp1	MmuEX0019839	chr11	55299240	55300981	55301130	55302521	+
G3bp2	MmuEX0019840	chr5	92499464	92502186	92502304	92512555	-
G3bp2	MmuEX0019841	chr5	92494880	92495518	92495608	92497351	-
G3bp2	MmuEX0019842	chr5	92484079	92484410	92484528	92485295	-
G3bp2	MmuEX0019843	chr5	92487096	92492363	92492461	92493351	-
G630016D24Rik	MmuEX0019844	chr14	52638327	52638407	52638553	52638881	+
G630016D24Rik	MmuEX0019845	chr14	52637685	52638217	52638327	52638328	+
G630090E17Rik	MmuEX0019847	chr10	39670591	39676408	39676553	39679676	-
G6pc3	MmuEX0019848	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
G6pc3	MmuEX0019849	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
G6pc3	MmuEX0019850	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
G6pc3	MmuEX0019851	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Gaa	MmuEX0019852	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Gab1	MmuEX0019853	chr8	83315513	83324000	83324294	83403431	-

Gab1	MmuEX0019854	chr8	83312993	83314783	83314863	83315288	-
Gab1	MmuEX0019855	chr8	83298926	83300060	83300149	83308526	-
Gab2	MmuEX0019856	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Gab2	MmuEX0019857	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Gab2	MmuEX0019858	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Gabbr1	MmuEX0019862	chr17	37204309	37204721	37204853	37206057	+
Gabbr1	MmuEX0019863	chr17	37204853	37206057	37206173	37206258	+
Gabbr1	MmuEX0019864	chr17	37206173	37206258	37206365	37206926	+
Gabbr1	MmuEX0019866	chr17	37201682	37204159	37204309	37204721	+
Gabbr1	MmuEX0019867	chr17	37184602	37185366	37185551	37186598	+
Gabbr1	MmuEX0019869	chr17	37188104	37191076	37191210	37199479	+
Gabbr1	MmuEX0019870	chr17	37188104	37191682	37191840	37199479	+
Gabpa	MmuEX0019872	chr16	84839428	84841574	84841718	84844527	+
Gabpa	MmuEX0019873	chr16	84846614	84852705	84852899	84856707	+
Gabpb1	MmuEX0019874	chr2	1.26E+08	1.26E+08	1.26E+08	1.27E+08	-
Gabpb1	MmuEX0019875	chr2	1.26E+08	1.26E+08	1.26E+08	1.27E+08	-
Gabpb1	MmuEX0019876	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gabpb1	MmuEX0019877	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gabpb1	MmuEX0019878	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gabpb1	MmuEX0019879	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gabpb1	MmuEX0019880	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gabpb2	MmuEX0019881	chr3	95020190	95020741	95020889	95021511	-
Gabpb2	MmuEX0019882	chr3	95007847	95007934	95008044	95008563	-
Gabpb2	MmuEX0019883	chr3	94994660	95004063	95004213	95007653	-
Gabpb2	MmuEX0019884	chr3	94994660	95000664	95000734	95004063	-
Gabpb2	MmuEX0019885	chr3	95012858	95015433	95015563	95020136	-
Gabpb2	MmuEX0019886	chr3	94993206	94994475	94994660	95004063	-
Gabpb2	MmuEX0019887	chr3	95007847	95008563	95008730	95010385	-
Gabpb2	MmuEX0019888	chr3	95010524	95020136	95020190	95021463	-
Gabpb2	MmuEX0019889	chr3	95010524	95012762	95012858	95021463	-
Gadd45a	MmuEX0019932	chr6	66985766	66986672	66986909	66987004	-
Gadd45g	MmuEX0019933	chr13	51942201	51942721	51942822	51942925	+
Gak	MmuEX0019937	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019938	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019939	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019940	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019941	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019942	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019943	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019944	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019945	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019946	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019947	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019948	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019949	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019950	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Gak	MmuEX0019951	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-

Galc	MmuEX0019957	chr12	99447084	99451192	99451369	99452543	-
Galc	MmuEX0019958	chr12	99442297	99445604	99445680	99446921	-
Galc	MmuEX0019959	chr12	99490359	99492375	99492488	99494837	-
Galc	MmuEX0019960	chr12	99484502	99490220	99490359	99492375	-
Galc	MmuEX0019961	chr12	99480982	99484464	99484502	99490220	-
Gale	MmuEX0019963	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Galk1	MmuEX0019964	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Galk1	MmuEX0019965	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Galk1	MmuEX0019966	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Galk1	MmuEX0019967	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Galk1	MmuEX0019968	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Galk2	MmuEX0019969	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Galk2	MmuEX0019970	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Galk2	MmuEX0019971	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Galk2	MmuEX0019972	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Galk2	MmuEX0019973	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Galk2	MmuEX0019974	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Galm	MmuEX0019975	chr17	80544526	80549429	80549510	80580901	+
Galm	MmuEX0019976	chr17	80527245	80537353	80537507	80544320	+
Galns	MmuEX0019977	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019978	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019979	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019980	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019981	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019982	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019983	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019984	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019985	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galns	MmuEX0019986	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Galnt1	MmuEX0019987	chr18	24364581	24391100	24391154	24396743	+
Galnt1	MmuEX0019988	chr18	24431302	24438445	24438543	24440603	+
Galnt1	MmuEX0019989	chr18	24413185	24422826	24423033	24426029	+
Galnt1	MmuEX0019990	chr18	24391154	24396743	24396986	24404551	+
Galnt1	MmuEX0019991	chr18	24396986	24404551	24404725	24413019	+
Galnt1	MmuEX0019992	chr18	24404725	24413019	24413185	24422826	+
Galnt10	MmuEX0019993	chr11	57595824	57597192	57597341	57598072	+
Galnt10	MmuEX0019994	chr11	57579247	57582994	57583177	57584970	+
Galnt10	MmuEX0019995	chr11	57459219	57534797	57534899	57539025	+
Galnt10	MmuEX0019996	chr11	57534899	57539025	57539163	57550451	+
Galnt10	MmuEX0019997	chr11	57539163	57550480	57550646	57579062	+
Galnt11	MmuEX0019998	chr5	24764782	24766488	24766642	24767753	+
Galnt11	MmuEX0019999	chr5	24764782	24767753	24767971	24769198	+
Galnt11	MmuEX0020000	chr5	24767971	24768205	24768386	24769198	+
Galnt11	MmuEX0020001	chr5	24757967	24760022	24760204	24760725	+
Galnt11	MmuEX0020002	chr5	24756071	24757842	24757967	24760725	+
Galnt2	MmuEX0020015	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Galnt2	MmuEX0020016	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+

Galnt2	MmuEX0020017	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Galnt2	MmuEX0020018	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Galnt2	MmuEX0020019	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Galnt7	MmuEX0020024	chr8	60031407	60062564	60063024	60131650	-
Galnt7	MmuEX0020025	chr8	60010527	60011425	60011523	60015380	-
Galnt7	MmuEX0020026	chr8	60005048	60010399	60010527	60011425	-
Galnt7	MmuEX0020027	chr8	60022145	60024126	60024205	60024466	-
Galnt7	MmuEX0020028	chr8	60018934	60021632	60021814	60024126	-
Galnt7	MmuEX0020029	chr8	60018934	60021309	60021491	60024126	-
Galntl1	MmuEX0020032	chr12	81677556	81678375	81678440	81680952	+
Galntl2	MmuEX0020033	chr14	32843217	32853542	32853708	32856275	+
Galntl4	MmuEX0020034	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Galntl4	MmuEX0020035	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Galntl4	MmuEX0020036	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Galntl4	MmuEX0020037	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Galntl4	MmuEX0020038	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Galt	MmuEX0020042	chr4	41703434	41703555	41703684	41703812	+
Gamt	MmuEX0020043	chr10	79722409	79722513	79722658	79723466	-
Gamt	MmuEX0020044	chr10	79721989	79722346	79722409	79722513	-
Ganab	MmuEX0020045	chr19	8977120	8979425	8979552	8981705	+
Ganab	MmuEX0020046	chr19	8986229	8986354	8986450	8986964	+
Ganab	MmuEX0020047	chr19	8981884	8982341	8982406	8983168	+
Ganab	MmuEX0020048	chr19	8987065	8987201	8987444	8988791	+
Ganab	MmuEX0020049	chr19	8972649	8973686	8973884	8976754	+
Ganc	MmuEX0020050	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020051	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020052	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020053	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020054	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020055	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020056	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020057	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020058	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020059	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Ganc	MmuEX0020060	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Gapvd1	MmuEX0020062	chr2	34586200	34609786	34610079	34610498	-
Gapvd1	MmuEX0020063	chr2	34581033	34582736	34582822	34583851	-
Gapvd1	MmuEX0020064	chr2	34584694	34585983	34586200	34609786	-
Gapvd1	MmuEX0020065	chr2	34603617	34608191	34608282	34609786	-
Gapvd1	MmuEX0020066	chr2	34590127	34603556	34603617	34609786	-
Gapvd1	MmuEX0020067	chr2	34570850	34572836	34572902	34576088	-
Gapvd1	MmuEX0020068	chr2	34534150	34537155	34537227	34539702	-
Gapvd1	MmuEX0020069	chr2	34546141	34546626	34546735	34548893	-
Gapvd1	MmuEX0020070	chr2	34576248	34578458	34578538	34580563	-
Gapvd1	MmuEX0020071	chr2	34586200	34590071	34590127	34609786	-
Gapvd1	MmuEX0020072	chr2	34551128	34556283	34556370	34559686	-
Gapvd1	MmuEX0020073	chr2	34551128	34555346	34555426	34556283	-

Gar1	MmuEX0020074	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Gar1	MmuEX0020075	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Gar1	MmuEX0020076	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Gar1	MmuEX0020077	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Garnl3	MmuEX0020089	chr2	32845152	32846084	32846299	32847643	-
Gars	MmuEX0020092	chr6	54996509	54998061	54998163	55000314	+
Gars	MmuEX0020093	chr6	54998163	55000314	55000455	55002170	+
Gars	MmuEX0020094	chr6	55013247	55015442	55015606	55018055	+
Gart	MmuEX0020095	chr16	91634351	91636239	91636407	91636752	-
Gart	MmuEX0020096	chr16	91630486	91630851	91630960	91631222	-
Gart	MmuEX0020097	chr16	91625765	91627740	91627888	91628272	-
Gart	MmuEX0020098	chr16	91623279	91623616	91623746	91624572	-
Gart	MmuEX0020099	chr16	91622207	91623138	91623279	91623616	-
Gart	MmuEX0020100	chr16	91639696	91641457	91641631	91641839	-
Gart	MmuEX0020101	chr16	91639696	91639969	91640021	91641457	-
Gart	MmuEX0020102	chr16	91638300	91638972	91639040	91639585	-
Gas2	MmuEX0020105	chr7	59143446	59152621	59152742	59181773	+
Gas2	MmuEX0020106	chr7	59181914	59191924	59191987	59199020	+
Gas2	MmuEX0020107	chr7	59119739	59143282	59143446	59152621	+
Gas2	MmuEX0020108	chr7	59143446	59151677	59151888	59152621	+
Gas2	MmuEX0020109	chr7	59181914	59186734	59186796	59191924	+
Gas2l1	MmuEX0020110	chr11	4962329	4962418	4962514	4962597	-
Gas2l1	MmuEX0020111	chr11	4964481	4964840	4965018	4965218	-
Gas5	MmuEX0020116	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020117	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020118	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020119	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020120	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020121	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020122	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas5	MmuEX0020123	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gas7	MmuEX0020124	chr11	67456868	67466361	67466414	67473521	+
Gas7	MmuEX0020125	chr11	67484174	67487740	67487868	67489101	+
Gas7	MmuEX0020126	chr11	67489224	67494727	67494806	67496137	+
Gas7	MmuEX0020128	chr11	67416730	67443112	67443192	67456783	+
Gas7	MmuEX0020129	chr11	67443192	67456783	67456868	67466361	+
Gas8	MmuEX0020130	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Gas8	MmuEX0020131	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Gatad1	MmuEX0020132	chr5	3641580	3643558	3643741	3644881	-
Gatad2a	MmuEX0020133	chr8	72474653	72489990	72490093	72519842	-
Gatad2a	MmuEX0020134	chr8	72437123	72438134	72438226	72438418	-
Gatad2a	MmuEX0020135	chr8	72459935	72474552	72474653	72497989	-
Gatad2a	MmuEX0020136	chr8	72435768	72436063	72436137	72436822	-
Gatad2a	MmuEX0020137	chr8	72440599	72441622	72441753	72441845	-
Gatad2b	MmuEX0020138	chr3	90152618	90153277	90153408	90154309	+
Gatad2b	MmuEX0020140	chr3	90097346	90127964	90128016	90145578	+
Gatm	MmuEX0020141	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-

Gatm	MmuEX0020142	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Gatsl2	MmuEX0020143	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gatsl3	MmuEX0020144	chr11	4120809	4121149	4121262	4121427	+
Gba	MmuEX0020145	chr3	89010290	89010682	89010734	89011149	+
Gba	MmuEX0020146	chr3	89007008	89007114	89007282	89007394	+
Gba2	MmuEX0020147	chr4	43584279	43586623	43586738	43586900	-
Gba2	MmuEX0020148	chr4	43582157	43582361	43582533	43582702	-
Gbas	MmuEX0020149	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Gbas	MmuEX0020150	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Gbas	MmuEX0020151	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Gbf1	MmuEX0020152	chr19	46346109	46346197	46346320	46346476	+
Gbf1	MmuEX0020153	chr19	46347144	46350410	46350495	46353700	+
Gbf1	MmuEX0020154	chr19	46358920	46359195	46359323	46360150	+
Gbf1	MmuEX0020155	chr19	46326722	46328477	46328585	46329047	+
Gbf1	MmuEX0020156	chr19	46328585	46329047	46329107	46330143	+
Gbf1	MmuEX0020157	chr19	46329107	46330143	46330197	46333594	+
Gbf1	MmuEX0020158	chr19	46330197	46330898	46330972	46333594	+
Gbf1	MmuEX0020159	chr19	46344471	46344748	46344841	46345164	+
Gbp5	MmuEX0020162	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Gbp5	MmuEX0020163	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Gbp5	MmuEX0020164	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Gbp9	MmuEX0020167	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Gbp9	MmuEX0020168	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Gca	MmuEX0020169	chr2	62517282	62524022	62524065	62524334	+
Gca	MmuEX0020170	chr2	62502516	62510334	62510507	62517213	+
Gcap14	MmuEX0020171	chr14	37714031	37722203	37722398	37731620	-
Gcap14	MmuEX0020172	chr14	37709530	37711350	37711436	37713948	-
Gcap14	MmuEX0020173	chr14	37692948	37703528	37703612	37709441	-
Gcap14	MmuEX0020174	chr14	37692948	37698937	37698976	37703528	-
Gcap14	MmuEX0020175	chr14	37731782	37740025	37740115	37751770	-
Gcap14	MmuEX0020176	chr14	37740115	37748335	37748361	37748711	-
Gcap14	MmuEX0020177	chr14	37731782	37734767	37734838	37740025	-
Gcap14	MmuEX0020178	chr14	37722398	37731620	37731782	37740025	-
Gcat	MmuEX0020179	chr15	78864491	78865390	78865491	78865687	+
Gcc2	MmuEX0020181	chr10	57744267	57748691	57748958	57749890	+
Gcc2	MmuEX0020182	chr10	57750027	57751381	57751502	57753048	+
Gcc2	MmuEX0020183	chr10	57757653	57758836	57758987	57761412	+
Gcc2	MmuEX0020184	chr10	57734454	57735081	57735153	57737484	+
Gcc2	MmuEX0020185	chr10	57737782	57739326	57739445	57741535	+
Gcc2	MmuEX0020186	chr10	57753224	57755313	57755530	57757459	+
Gcdh	MmuEX0020187	chr8	87413584	87414610	87414791	87414879	-
Gcdh	MmuEX0020188	chr8	87412586	87413161	87413286	87413481	-
Gcdh	MmuEX0020189	chr8	87414826	87414912	87415041	87416301	-
Gcdh	MmuEX0020190	chr8	87413286	87413481	87413584	87414610	-
Gcdh	MmuEX0020191	chr8	87417063	87417347	87417373	87417454	-
Gcfc1	MmuEX0020193	chr16	91027574	91028272	91028347	91030661	-
Gcfc1	MmuEX0020194	chr16	91025536	91025741	91025940	91027275	-

Gcfc1	MmuEX0020195	chr16	91036934	91037056	91037216	91037487	-
Gcfc1	MmuEX0020196	chr16	91019554	91022296	91022362	91022914	-
Gcfc1	MmuEX0020197	chr16	91017245	91019408	91019554	91022296	-
Gcfc1	MmuEX0020198	chr16	91030801	91034343	91034532	91035045	-
Gcfc1	MmuEX0020199	chr16	91027574	91030678	91030801	91034343	-
Gch1	MmuEX0020202	chr14	47778569	47786151	47786206	47788887	-
Gch1	MmuEX0020203	chr14	47775599	47777084	47777168	47778538	-
Gck	MmuEX0020204	chr11	5809205	5810281	5810435	5810865	-
Gclc	MmuEX0020211	chr9	77602766	77622886	77622998	77623933	+
Gclc	MmuEX0020212	chr9	77634656	77634758	77634961	77635084	+
Gclc	MmuEX0020213	chr9	77635196	77635614	77635706	77635995	+
Gclc	MmuEX0020214	chr9	77636099	77639522	77639603	77639687	+
Gclc	MmuEX0020215	chr9	77639603	77639687	77639790	77639860	+
Gclc	MmuEX0020216	chr9	77624115	77627329	77627442	77628891	+
Gclc	MmuEX0020217	chr9	77627442	77628167	77628515	77628891	+
Gclm	MmuEX0020218	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gclm	MmuEX0020219	chr3	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gcn1l1	MmuEX0020220	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020221	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020222	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020223	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020224	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020225	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020226	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020227	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020228	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020229	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcn1l1	MmuEX0020230	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Gcnt1	MmuEX0020231	chr19	17404978	17407600	17407746	17431047	-
Gcnt2	MmuEX0020233	chr13	40956642	41048945	41049040	41053521	+
Gcsh	MmuEX0020234	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Gcsh	MmuEX0020235	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Gda	MmuEX0020236	chr19	21503140	21508711	21508799	21546858	-
Gda	MmuEX0020237	chr19	21469748	21470523	21470550	21471997	-
Gda	MmuEX0020238	chr19	21500108	21502969	21503140	21508711	-
Gdap2	MmuEX0020243	chr3	1E+08	1E+08	1E+08	1E+08	+
Gdap2	MmuEX0020244	chr3	1E+08	1E+08	1E+08	1E+08	+
Gdap2	MmuEX0020245	chr3	99986676	99990493	99990652	99991797	+
Gdap2	MmuEX0020246	chr3	99990652	99991797	99991956	99994809	+
Gdap2	MmuEX0020247	chr3	99966588	99972863	99973008	99973859	+
Gdap2	MmuEX0020248	chr3	99998552	1E+08	1E+08	1E+08	+
Gde1	MmuEX0020249	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gde1	MmuEX0020250	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Gdi1	MmuEX0020253	chrX	71552283	71552442	71552576	71553011	+
Gdpd5	MmuEX0020263	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020264	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020265	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+

Gdpd5	MmuEX0020267	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020268	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020269	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020270	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020271	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020272	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gdpd5	MmuEX0020273	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Gemin5	MmuEX0020274	chr11	57961990	57964048	57964184	57965034	-
Gemin5	MmuEX0020275	chr11	57948413	57950360	57950497	57951170	-
Gemin5	MmuEX0020276	chr11	57964184	57965034	57965116	57968604	-
Gemin5	MmuEX0020277	chr11	57952643	57952997	57953110	57955090	-
Gemin5	MmuEX0020278	chr11	57940096	57942147	57942401	57943520	-
Gemin5	MmuEX0020279	chr11	57935880	57938434	57938920	57939934	-
Gemin7	MmuEX0020280	chr7	20151025	20158658	20158893	20159117	-
Gemin7	MmuEX0020281	chr7	20151025	20156778	20156930	20158256	-
Gemin7	MmuEX0020282	chr7	20151025	20155087	20155231	20158256	-
Get4	MmuEX0020293	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Gfer	MmuEX0020295	chr17	24831387	24832199	24832362	24832776	-
Gfm1	MmuEX0020296	chr3	67234244	67234910	67235017	67235572	+
Gfm1	MmuEX0020297	chr3	67257648	67260495	67260632	67261810	+
Gfm1	MmuEX0020298	chr3	67277545	67278475	67278528	67278641	+
Gfm1	MmuEX0020299	chr3	67255322	67257592	67257648	67260495	+
Gfm2	MmuEX0020300	chr13	97908014	97911552	97911609	97911882	+
Gfm2	MmuEX0020301	chr13	97925205	97925376	97925555	97930042	+
Gfm2	MmuEX0020302	chr13	97913047	97915602	97916272	97919264	+
Gfm2	MmuEX0020303	chr13	97925555	97930042	97930122	97930974	+
Gfm2	MmuEX0020304	chr13	97935152	97938221	97938297	97941441	+
Gfm2	MmuEX0020305	chr13	97920374	97921590	97921679	97923183	+
Gfm2	MmuEX0020306	chr13	97920374	97923183	97923271	97925145	+
Gfod2	MmuEX0020307	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gfod2	MmuEX0020308	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gfpt1	MmuEX0020309	chr6	87007758	87009374	87009435	87010515	+
Gfpt1	MmuEX0020310	chr6	87001022	87003196	87003254	87003745	+
Gfpt1	MmuEX0020311	chr6	87010594	87010779	87010826	87013799	+
Gfpt1	MmuEX0020312	chr6	87017773	87023376	87023473	87027077	+
Gfpt1	MmuEX0020313	chr6	87017773	87026251	87026371	87027077	+
Gfpt2	MmuEX0020314	chr11	49607745	49618454	49618561	49621197	+
Gfpt2	MmuEX0020315	chr11	49618561	49621197	49621295	49622536	+
Gfpt2	MmuEX0020316	chr11	49628843	49632082	49632161	49632639	+
Gfra4	MmuEX0020326	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Gfra4	MmuEX0020327	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Gga1	MmuEX0020328	chr15	78716374	78718541	78718678	78718848	+
Gga1	MmuEX0020329	chr15	78719540	78720146	78720298	78721867	+
Gga1	MmuEX0020330	chr15	78723766	78723969	78724079	78724164	+
Gga1	MmuEX0020331	chr15	78713796	78714515	78714638	78715686	+
Gga1	MmuEX0020332	chr15	78720298	78721867	78721931	78722344	+
Gga2	MmuEX0020333	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-

Gga2	MmuEX0020334	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Gga3	MmuEX0020336	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gga3	MmuEX0020337	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gga3	MmuEX0020338	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gga3	MmuEX0020339	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gga3	MmuEX0020340	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gga3	MmuEX0020341	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gga3	MmuEX0020342	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Ggct	MmuEX0020343	chr6	54936962	54939494	54939551	54942564	-
Ggcx	MmuEX0020344	chr6	72364836	72365032	72365138	72367849	+
Ggcx	MmuEX0020345	chr6	72378043	72378452	72378621	72378791	+
Ggcx	MmuEX0020346	chr6	72364443	72364666	72364836	72367849	+
Ggcx	MmuEX0020347	chr6	72368460	72369011	72369260	72372410	+
Ggcx	MmuEX0020348	chr6	72377167	72377892	72378043	72378452	+
Ggh	MmuEX0020349	chr4	19973461	19976939	19976989	19979811	+
Ggh	MmuEX0020350	chr4	19981349	19985084	19985190	19985286	+
Ggh	MmuEX0020351	chr4	19985376	19988152	19988275	19991146	+
Ggnbp1	MmuEX0020352	chr17	27113340	27162282	27162404	27165778	+
Ggnbp1	MmuEX0020353	chr17	27155115	27159196	27159285	27162282	+
Ggnbp1	MmuEX0020354	chr17	27162404	27165778	27166891	27167621	+
Ggnbp2	MmuEX0020355	chr11	84667669	84671942	84672040	84674047	-
Ggnbp2	MmuEX0020356	chr11	84675820	84683379	84683574	84684107	-
Ggnbp2	MmuEX0020357	chr11	84651490	84653483	84653677	84653763	-
Ggnbp2	MmuEX0020358	chr11	84650226	84651343	84651490	84653483	-
Ggnbp2	MmuEX0020359	chr11	84674300	84675740	84675820	84683379	-
Ggnbp2	MmuEX0020360	chr11	84667669	84667757	84667882	84671942	-
Ggps1	MmuEX0020361	chr13	14146722	14147417	14147487	14150063	-
Ggps1	MmuEX0020362	chr13	14147487	14150063	14150155	14155473	-
Ggps1	MmuEX0020363	chr13	14144397	14151586	14151717	14163911	-
Ggps1	MmuEX0020364	chr13	14150155	14151191	14151478	14151586	-
Ggps1	MmuEX0020365	chr13	14144397	14146177	14146722	14163911	-
Ggps1	MmuEX0020366	chr13	14144397	14144545	14144660	14163911	-
Ggt5	MmuEX0020373	chr10	75071632	75071944	75072137	75072590	+
Ggt5	MmuEX0020374	chr10	75052627	75065365	75065495	75068001	+
Ggt5	MmuEX0020375	chr10	75052627	75065719	75065814	75068001	+
Ggt5	MmuEX0020376	chr10	75052627	75066712	75066907	75068001	+
Ggt5	MmuEX0020377	chr10	75066907	75067270	75067329	75068001	+
Ggt5	MmuEX0020378	chr10	75052627	75067388	75067545	75068001	+
Ggt5	MmuEX0020379	chr10	75052627	75068001	75068147	75071496	+
Ggt7	MmuEX0020385	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ggt7	MmuEX0020387	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ggt7	MmuEX0020388	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ggta1	MmuEX0020389	chr2	35278932	35288034	35288152	35316715	-
Ggta1	MmuEX0020390	chr2	35258322	35263465	35263602	35268846	-
Ggta1	MmuEX0020391	chr2	35268947	35278752	35278932	35288034	-
Ggta1	MmuEX0020392	chr2	35268947	35277700	35277788	35288034	-
Ggta1	MmuEX0020393	chr2	35268947	35271992	35272027	35277700	-

Ggta1	MmuEX0020394	chr2	35268947	35269739	35269804	35277700	-
Ghdc	MmuEX0020395	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ghdc	MmuEX0020396	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ghitm	MmuEX0020397	chr14	37940881	37943822	37943963	37944724	-
Ghr	MmuEX0020398	chr15	3408008	3501533	3501685	3533000	-
Ghr	MmuEX0020399	chr15	3338713	3407930	3408008	3533000	-
Ghr	MmuEX0020400	chr15	3501685	3532258	3532502	3533000	-
Ghr	MmuEX0020401	chr15	3283525	3285585	3285613	3290919	-
Ghr	MmuEX0020402	chr15	3271058	3275898	3275988	3277974	-
Gigyf1	MmuEX0020406	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Gigyf2	MmuEX0020407	chr1	89304030	89304110	89304298	89307237	+
Gigyf2	MmuEX0020408	chr1	89230909	89250979	89251061	89260679	+
Gigyf2	MmuEX0020409	chr1	89223682	89230845	89230909	89250979	+
Gigyf2	MmuEX0020410	chr1	89308442	89313393	89313559	89315663	+
Gigyf2	MmuEX0020411	chr1	89337497	89338586	89338740	89340220	+
Gigyf2	MmuEX0020412	chr1	89251061	89260679	89260808	89300242	+
Gigyf2	MmuEX0020413	chr1	89251061	89261759	89261854	89300242	+
Gigyf2	MmuEX0020414	chr1	89261854	89270572	89270686	89300242	+
Gigyf2	MmuEX0020415	chr1	89270686	89275547	89275658	89300242	+
Gigyf2	MmuEX0020416	chr1	89275658	89276543	89276583	89300242	+
Gimap8	MmuEX0020417	chr6	48600842	48601060	48601102	48606041	+
Gimap8	MmuEX0020418	chr6	48597526	48600185	48600842	48601060	+
Gin1	MmuEX0020419	chr1	99674096	99679504	99679809	99681330	+
Gin1	MmuEX0020420	chr1	99666832	99672024	99672169	99673903	+
Gin1	MmuEX0020421	chr1	99666832	99673903	99674096	99681330	+
Gins1	MmuEX0020422	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Gins1	MmuEX0020423	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Gins1	MmuEX0020424	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Gins1	MmuEX0020425	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Gins1	MmuEX0020426	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Gins1	MmuEX0020427	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Gins2	MmuEX0020428	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Gins2	MmuEX0020429	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Gins4	MmuEX0020431	chr8	24343190	24343806	24343964	24345226	-
Gins4	MmuEX0020432	chr8	24337647	24337721	24337811	24339888	-
Gipc2	MmuEX0020434	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Gipc2	MmuEX0020435	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Gipc2	MmuEX0020436	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Gipc3	MmuEX0020437	chr10	80803121	80803933	80804113	80804236	-
Git1	MmuEX0020443	chr11	77312600	77313019	77313131	77313241	+
Git1	MmuEX0020444	chr11	77313131	77313241	77313346	77313850	+
Git1	MmuEX0020445	chr11	77314067	77314149	77314243	77314574	+
Git1	MmuEX0020446	chr11	77314616	77316331	77316357	77316520	+
Git2	MmuEX0020447	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020448	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020449	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020450	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-

Git2	MmuEX0020451	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020452	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020453	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020454	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020455	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Git2	MmuEX0020456	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gjc1	MmuEX0020458	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Gjc1	MmuEX0020459	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Gkap1	MmuEX0020466	chr13	58365560	58374995	58375182	58375435	-
Gkap1	MmuEX0020467	chr13	58364702	58365303	58365560	58375435	-
Gkap1	MmuEX0020468	chr13	58357231	58360795	58360872	58364559	-
Gla	MmuEX0020469	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Gla	MmuEX0020470	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Glb1	MmuEX0020471	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020472	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020473	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020474	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020475	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020476	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020477	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020478	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020479	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1	MmuEX0020480	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Glb1l	MmuEX0020481	chr1	75196332	75196486	75196701	75196905	-
Glb1l	MmuEX0020483	chr1	75196701	75196905	75197036	75197519	-
Glb1l	MmuEX0020484	chr1	75198665	75198762	75198883	75198983	-
Glb1l	MmuEX0020485	chr1	75199041	75199422	75199516	75204894	-
Glb1l	MmuEX0020486	chr1	75199041	75199150	75199324	75204894	-
Glb1l	MmuEX0020487	chr1	75198048	75198318	75198436	75198625	-
Glb1l	MmuEX0020488	chr1	75197632	75197974	75198048	75198318	-
Glb1l	MmuEX0020489	chr1	75197632	75197773	75197862	75197974	-
Glb1l	MmuEX0020490	chr1	75204954	75205631	75205797	75205956	-
Glce	MmuEX0020502	chr9	61908842	61916192	61916437	61917822	-
Gle1	MmuEX0020505	chr2	29791757	29794015	29794125	29794655	+
Gle1	MmuEX0020506	chr2	29794125	29794658	29794803	29795003	+
Gle1	MmuEX0020507	chr2	29795856	29798058	29798286	29799245	+
Gle1	MmuEX0020508	chr2	29791118	29791530	29791757	29794015	+
Glg1	MmuEX0020509	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Glg1	MmuEX0020510	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Glg1	MmuEX0020511	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Glipr2	MmuEX0020532	chr4	43970645	43980984	43981092	43981444	+
Glipr2	MmuEX0020533	chr4	43981092	43981444	43981547	43983372	+
Glis2	MmuEX0020538	chr16	4594935	4608598	4608818	4610258	+
Glis2	MmuEX0020539	chr16	4608818	4610258	4610430	4611280	+
Glis2	MmuEX0020540	chr16	4611456	4611533	4611666	4611751	+
Glmn	MmuEX0020544	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Glmn	MmuEX0020545	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-

Glmn	MmuEX0020546	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Glmn	MmuEX0020547	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Glod4	MmuEX0020548	chr11	76051315	76052954	76053074	76054375	-
Glod4	MmuEX0020549	chr11	76048027	76051171	76051315	76052954	-
Glod4	MmuEX0020550	chr11	76046817	76047402	76047488	76047891	-
Glr2	MmuEX0020568	chr1	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Glr2	MmuEX0020569	chr1	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Glr3	MmuEX0020574	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Glr3	MmuEX0020575	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Glr3	MmuEX0020576	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Glr3	MmuEX0020577	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Glr3	MmuEX0020578	chr7	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Gls	MmuEX0020582	chr1	52248131	52253009	52253059	52253587	-
Gls	MmuEX0020583	chr1	52225802	52245523	52245615	52246267	-
Gls	MmuEX0020584	chr1	52272538	52274032	52274142	52276332	-
Gls	MmuEX0020585	chr1	52271401	52272409	52272538	52276332	-
Gls	MmuEX0020586	chr1	52225243	52225329	52225405	52225741	-
Gls	MmuEX0020587	chr1	52272538	52276332	52276453	52276787	-
Gls	MmuEX0020588	chr1	52256731	52261190	52261360	52264145	-
Gls	MmuEX0020589	chr1	52256731	52257462	52257495	52264145	-
Glt25d1	MmuEX0020607	chr8	74145795	74146115	74146183	74146602	+
Glt25d1	MmuEX0020608	chr8	74146729	74146989	74147195	74147392	+
Glt8d1	MmuEX0020613	chr14	31823351	31823483	31823595	31824050	+
Glt8d1	MmuEX0020614	chr14	31815183	31817904	31817976	31819645	+
Glt8d1	MmuEX0020615	chr14	31824216	31824307	31824419	31824671	+
Gltpd1	MmuEX0020618	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Gltscr1	MmuEX0020619	chr7	16560809	16561014	16561162	16562400	-
Gltscr1	MmuEX0020620	chr7	16560534	16560715	16560809	16561014	-
Gltscr1	MmuEX0020621	chr7	16574789	16578429	16578494	16581750	-
Gltscr1	MmuEX0020622	chr7	16581792	16581900	16581945	16584743	-
Gltscr1	MmuEX0020624	chr7	16562461	16564700	16565335	16572828	-
Gltscr1	MmuEX0020625	chr7	16562461	16564364	16564544	16572828	-
Gltscr1	MmuEX0020626	chr7	16562461	16564038	16564147	16572828	-
Glyctk	MmuEX0020627	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Glyr1	MmuEX0020628	chr16	5030334	5031980	5032066	5036329	-
Glyr1	MmuEX0020629	chr16	5029646	5030278	5030334	5031980	-
Glyr1	MmuEX0020630	chr16	5037150	5038910	5039083	5047827	-
Glyr1	MmuEX0020631	chr16	5021541	5025070	5025072	5026601	-
Glyr1	MmuEX0020632	chr16	5018617	5018933	5019112	5019380	-
Glyr1	MmuEX0020633	chr16	5032066	5036329	5036568	5037012	-
Glyr1	MmuEX0020634	chr16	5047906	5048323	5048446	5048843	-
Gm10037	MmuEX0020637	chr13	67932090	67934169	67934295	67934732	+
Gm10348	MmuEX0020668	chr8	19991125	20000699	20000997	20005935	-
Gm10348	MmuEX0020669	chr8	19991125	19996955	19997074	20020170	-
Gm10348	MmuEX0020670	chr8	19991125	19994879	19995046	20000699	-
Gm10479	MmuEX0020676	chr12	20421924	20439167	20439293	20439496	+
Gm10499	MmuEX0020678	chr17	36279887	36279929	36279969	36280088	-

Gm10516	MmuEX0020679	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	+
Gm10639	MmuEX0020687	chr9	78137809	78141809	78141922	78142591	+
Gm10658	MmuEX0020691	chr9	56904945	56905076	56905248	56905473	-
Gm10939	MmuEX0020699	chr10	81601124	81606332	81606364	81612962	+
Gm11022	MmuEX0020700	chr18	80432254	80433435	80433660	80443783	-
Gm11627	MmuEX0020728	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gm11665	MmuEX0020730	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Gm11734	MmuEX0020736	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Gm11756	MmuEX0020742	chr4	73565289	73565625	73565636	73565744	-
Gm11837	MmuEX0020745	chr4	14863686	14865631	14865704	14869347	+
Gm11837	MmuEX0020746	chr4	14869422	14874586	14874692	14879768	+
Gm12002	MmuEX0020754	chr11	12214670	12220342	12220432	12221147	+
Gm12216	MmuEX0020759	chr11	53627118	53663507	53663612	53672615	-
Gm12258	MmuEX0020762	chr11	58660761	58667762	58667888	58669563	+
Gm12258	MmuEX0020763	chr11	58660761	58662148	58662204	58667762	+
Gm12258	MmuEX0020764	chr11	58662204	58664590	58664729	58667762	+
Gm12359	MmuEX0020769	chr11	98660547	98663280	98663341	98670990	-
Gm12655	MmuEX0020773	chr4	94128046	94128577	94128745	94131121	-
Gm12824	MmuEX0020781	chr4	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Gm12824	MmuEX0020782	chr4	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Gm12824	MmuEX0020783	chr4	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Gm12942	MmuEX0020786	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Gm13152	MmuEX0020799	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Gm13157	MmuEX0020802	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Gm13227	MmuEX0020807	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Gm13476	MmuEX0020819	chr2	44966822	44968363	44968513	44968619	+
Gm13845	MmuEX0020844	chr6	31317592	31345698	31345794	31348615	-
Gm14018	MmuEX0020850	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Gm14322	MmuEX0020863	chr2	1.77E+08	1.78E+08	1.78E+08	1.78E+08	+
Gm14378	MmuEX0020864	chr8	4250625	4250849	4250921	4251293	+
Gm14391	MmuEX0020865	chr2	1.75E+08	1.75E+08	1.75E+08	1.75E+08	-
Gm14418	MmuEX0020867	chr2	1.77E+08	1.77E+08	1.77E+08	1.77E+08	-
Gm14418	MmuEX0020868	chr2	1.77E+08	1.77E+08	1.77E+08	1.77E+08	-
Gm14418	MmuEX0020869	chr2	1.77E+08	1.77E+08	1.77E+08	1.77E+08	-
Gm14548	MmuEX0020873	chr7	3846977	3847104	3847388	3848543	-
Gm15246	MmuEX0020885	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Gm15265	MmuEX0020886	chr3	94802922	94806061	94806186	94808145	-
Gm15408	MmuEX0020896	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Gm15440	MmuEX0020897	chr13	51782749	51786658	51786867	51796206	-
Gm15440	MmuEX0020898	chr13	51781615	51782652	51782749	51786658	-
Gm15605	MmuEX0020903	chr6	83057184	83057737	83057800	83058721	-
Gm15800	MmuEX0020912	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020913	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020916	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020917	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020918	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020919	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+

Gm15800	MmuEX0020920	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020922	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020923	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020926	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15800	MmuEX0020927	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Gm15972	MmuEX0020940	chr18	23909060	23910081	23910324	23910746	-
Gm16008	MmuEX0020941	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Gm16039	MmuEX0020942	chr6	8351154	8351846	8352051	8376971	+
Gm16039	MmuEX0020943	chr6	8220581	8323906	8323967	8376971	+
Gm16039	MmuEX0020944	chr6	8323967	8350890	8350963	8376971	+
Gm16039	MmuEX0020945	chr6	8323967	8351077	8351154	8376971	+
Gm16286	MmuEX0020962	chr18	80404082	80404849	80404968	80406801	+
Gm16386	MmuEX0020964	chr17	22919084	22922781	22922915	22953260	-
Gm166	MmuEX0020979	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gm166	MmuEX0020980	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gm166	MmuEX0020981	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gm1673	MmuEX0020996	chr5	34326292	34326406	34326545	34326701	+
Gm16836	MmuEX0021005	chr14	51490231	51491426	51491501	51496347	+
Gm16836	MmuEX0021006	chr14	51490231	51494589	51494637	51496347	+
Gm16972	MmuEX0021020	chr4	43059149	43064109	43064249	43066026	+
Gm16972	MmuEX0021021	chr4	43064249	43065817	43065923	43066026	+
Gm1993	MmuEX0021028	chrX	24786322	24789177	24789258	24976136	-
Gm1993	MmuEX0021029	chrX	24786322	24786642	24786740	24789177	-
Gm2382	MmuEX0021045	chr9	88610587	88611332	88611401	88614497	-
Gm2382	MmuEX0021046	chr9	88583823	88610326	88610587	88614497	-
Gm2382	MmuEX0021047	chr9	88583823	88598764	88598974	88610326	-
Gm2382	MmuEX0021048	chr9	88583823	88589098	88589170	88610326	-
Gm2792	MmuEX0021053	chr17	6517833	6522882	6522975	6524679	-
Gm2792	MmuEX0021054	chr17	6375485	6517690	6517833	6522882	-
Gm2792	MmuEX0021055	chr17	6381430	6410570	6410982	6517690	-
Gm2792	MmuEX0021056	chr17	6381430	6408139	6408357	6410570	-
Gm2792	MmuEX0021057	chr17	6381430	6384605	6384631	6527713	-
Gm2897	MmuEX0021061	chr14	3055200	3066066	3066228	3071209	+
Gm505	MmuEX0021088	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Gm505	MmuEX0021089	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Gm5113	MmuEX0021093	chr7	30955233	30960870	30960965	30962663	+
Gm5595	MmuEX0021118	chr7	49920514	49944494	49944754	49948021	-
Gm5860	MmuEX0021122	chr4	81711944	81723338	81723403	81748361	+
Gm608	MmuEX0021130	chr16	44173623	44198353	44198421	44199017	+
Gm608	MmuEX0021131	chr16	44173623	44199017	44199134	44200727	+
Gm608	MmuEX0021132	chr16	44199134	44199232	44199280	44200727	+
Gm6483	MmuEX0021147	chr8	19692722	19693551	19693718	19697504	+
Gm672	MmuEX0021152	chr18	75771433	75783883	75783954	75796787	-
Gm672	MmuEX0021153	chr18	75765357	75770323	75770427	75771360	-
Gm672	MmuEX0021154	chr18	75681523	75724658	75724734	75765282	-
Gm672	MmuEX0021155	chr18	75596878	75631519	75631674	75679265	-
Gm672	MmuEX0021156	chr18	75783954	75796787	75796992	75857046	-

Gm71	MmuEX0021171	chr12	70678927	70680893	70680997	70682105	-
Gm8815	MmuEX0021202	chr17	36247888	36248102	36248371	36248542	-
Gm8815	MmuEX0021203	chr17	36247080	36247613	36247888	36248102	-
Gm889	MmuEX0021210	chr12	40903815	40911876	40912007	40925794	-
Gm889	MmuEX0021211	chr12	40903815	40907233	40907361	40925794	-
Gm9766	MmuEX0021240	chr10	53032431	53039404	53039525	53068278	-
Gm9766	MmuEX0021241	chr10	53016174	53017859	53018011	53021308	-
Gmcl1	MmuEX0021250	chr6	86654568	86657397	86657466	86660509	-
Gmcl1	MmuEX0021251	chr6	86650651	86654493	86654568	86657397	-
Gmcl1	MmuEX0021252	chr6	86643045	86647443	86647530	86650506	-
Gmcl1	MmuEX0021253	chr6	86661673	86664169	86664253	86667380	-
Gmcl1	MmuEX0021254	chr6	86672659	86676067	86676190	86682905	-
Gmcl1	MmuEX0021255	chr6	86664253	86672563	86672659	86682905	-
Gmcl1	MmuEX0021256	chr6	86664253	86671335	86671432	86682905	-
Gmcl1	MmuEX0021257	chr6	86664253	86667986	86668098	86671335	-
Gmcl1	MmuEX0021258	chr6	86664253	86667380	86667445	86667986	-
Gmds	MmuEX0021259	chr13	32319171	32326222	32326266	32430251	-
Gmds	MmuEX0021260	chr13	32009585	32032353	32032471	32192226	-
Gmds	MmuEX0021261	chr13	31912079	32009489	32009585	32032353	-
Gmds	MmuEX0021262	chr13	32219968	32319084	32319171	32430251	-
Gmds	MmuEX0021263	chr13	32219968	32317004	32317113	32430251	-
Gmeb1	MmuEX0021264	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gmeb1	MmuEX0021265	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gmeb2	MmuEX0021266	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Gmeb2	MmuEX0021267	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Gmeb2	MmuEX0021268	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Gmeb2	MmuEX0021269	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Gmeb2	MmuEX0021270	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Gmfb	MmuEX0021271	chr14	47437157	47438091	47438250	47441776	-
Gmfb	MmuEX0021272	chr14	47435902	47437061	47437157	47441776	-
Gmfb	MmuEX0021273	chr14	47435323	47435853	47435902	47437061	-
Gmip	MmuEX0021276	chr8	72332719	72333673	72333757	72334529	+
Gmip	MmuEX0021277	chr8	72338074	72338294	72338490	72339333	+
Gmip	MmuEX0021278	chr8	72339442	72339513	72339590	72339950	+
Gmip	MmuEX0021279	chr8	72335331	72335432	72335539	72337515	+
Gmip	MmuEX0021280	chr8	72334616	72334701	72334758	72335057	+
Gmip	MmuEX0021281	chr8	72338490	72339343	72339442	72339513	+
Gmip	MmuEX0021282	chr8	72341039	72341132	72341328	72341622	+
Gmip	MmuEX0021283	chr8	72342009	72344333	72344399	72344496	+
Gmppa	MmuEX0021285	chr1	75437117	75437735	75437749	75438050	+
Gmppa	MmuEX0021286	chr1	75438606	75438760	75438852	75439019	+
Gmppa	MmuEX0021287	chr1	75432586	75432729	75432768	75433353	+
Gmppa	MmuEX0021288	chr1	75433020	75433359	75433413	75433512	+
Gmppb	MmuEX0021289	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Gmppb	MmuEX0021290	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Gmppb	MmuEX0021291	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Gmpr	MmuEX0021292	chr13	45627769	45634394	45634436	45637848	+

Gmpr	MmuEX0021293	chr13	45634436	45637848	45638007	45641242	+
Gmpr	MmuEX0021294	chr13	45612451	45615401	45615544	45616221	+
Gmpr	MmuEX0021295	chr13	45616394	45616496	45616588	45625077	+
Gmpr	MmuEX0021296	chr13	45603112	45609764	45609883	45612368	+
Gmpr2	MmuEX0021297	chr14	56291906	56292346	56292484	56294164	+
Gmpr2	MmuEX0021298	chr14	56291906	56294164	56294247	56294396	+
Gmpr2	MmuEX0021299	chr14	56296085	56296708	56296867	56297061	+
Gmpr2	MmuEX0021300	chr14	56291329	56291543	56291638	56291787	+
Gmpr2	MmuEX0021301	chr14	56291638	56291787	56291906	56294164	+
Gmpr2	MmuEX0021302	chr14	56294569	56295592	56295673	56295765	+
Gmpr2	MmuEX0021303	chr14	56294569	56295765	56295871	56296043	+
Gmpr2	MmuEX0021304	chr14	56295871	56296043	56296085	56296708	+
Gmps	MmuEX0021305	chr3	63791684	63792091	63792093	63794077	+
Gna11	MmuEX0021306	chr10	80994196	80995141	80995269	80995997	-
Gna11	MmuEX0021307	chr10	80993990	80994067	80994196	80995141	-
Gna12	MmuEX0021308	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Gna13	MmuEX0021309	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Gnai3	MmuEX0021311	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gnao1	MmuEX0021313	chr8	96335353	96335551	96335593	96420131	+
Gnao1	MmuEX0021314	chr8	96487437	96490768	96490889	96491932	+
Gnao1	MmuEX0021315	chr8	96474331	96477875	96478028	96487284	+
Gnaq	MmuEX0021316	chr19	16390661	16406144	16406396	16406567	+
Gnaq	MmuEX0021317	chr19	16409600	16452647	16452800	16457694	+
Gnas	MmuEX0021318	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Gnas	MmuEX0021319	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Gnas	MmuEX0021320	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Gnas	MmuEX0021321	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Gnas	MmuEX0021322	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Gnb1	MmuEX0021327	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Gnb1	MmuEX0021328	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Gnb1	MmuEX0021329	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Gnb1l	MmuEX0021330	chr16	18499233	18538485	18538589	18540528	+
Gnb1l	MmuEX0021331	chr16	18499233	18540528	18540668	18548186	+
Gnb1l	MmuEX0021332	chr16	18499233	18541065	18541190	18548186	+
Gnb1l	MmuEX0021333	chr16	18499233	18544208	18544366	18548186	+
Gnb1l	MmuEX0021334	chr16	18544366	18545210	18545306	18548186	+
Gnb1l	MmuEX0021335	chr16	18499233	18548186	18548284	18564128	+
Gnb1l	MmuEX0021336	chr16	18548284	18549028	18549152	18552460	+
Gnb1l	MmuEX0021337	chr16	18548284	18552502	18552675	18564128	+
Gnb4	MmuEX0021338	chr3	32490195	32492080	32492143	32495199	-
Gnb4	MmuEX0021340	chr3	32497086	32500967	32501062	32515361	-
Gnb5	MmuEX0021341	chr9	75175076	75178508	75178775	75179680	+
Gnb5	MmuEX0021342	chr9	75179721	75180616	75180692	75181976	+
Gnb5	MmuEX0021343	chr9	75185169	75187995	75188043	75191315	+
Gnb5	MmuEX0021344	chr9	75162190	75174940	75175076	75179680	+
Gne	MmuEX0021345	chr4	44065855	44068077	44068229	44072648	-
Gne	MmuEX0021346	chr4	44051935	44053126	44053308	44054535	-

Gne	MmuEX0021347	chr4	44073099	44079627	44079832	44085234	-
Gne	MmuEX0021348	chr4	44079832	44085702	44085763	44096920	-
Gne	MmuEX0021349	chr4	44073099	44075959	44076018	44079627	-
Gne	MmuEX0021350	chr4	44068229	44072648	44073099	44079627	-
Gng10	MmuEX0021351	chr4	59048190	59048426	59048765	59052099	+
Gng12	MmuEX0021352	chr6	66846521	66864447	66864504	66893819	+
Gng12	MmuEX0021353	chr6	66864504	66893819	66893871	66965719	+
Gng2	MmuEX0021354	chr14	20779916	20796180	20796219	20796368	-
Gng2	MmuEX0021355	chr14	20710623	20779876	20779916	20796180	-
Gng5	MmuEX0021356	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Gngt2	MmuEX0021361	chr11	95698685	95705126	95705209	95706346	+
Gnl1	MmuEX0021362	chr17	36120534	36123652	36123852	36124410	+
Gnl2	MmuEX0021363	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gnl2	MmuEX0021364	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gnl2	MmuEX0021365	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gnl2	MmuEX0021366	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gnl3	MmuEX0021367	chr14	31830599	31830994	31831052	31832115	-
Gnl3	MmuEX0021368	chr14	31826981	31827239	31827413	31827776	-
Gnl3	MmuEX0021369	chr14	31826510	31826615	31826751	31826839	-
Gnl3	MmuEX0021370	chr14	31825975	31826353	31826510	31826615	-
Gnl3	MmuEX0021371	chr14	31827863	31828092	31828212	31828461	-
Gnl3	MmuEX0021372	chr14	31827413	31827776	31827863	31828092	-
Gnl3l	MmuEX0021373	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Gnl3l	MmuEX0021374	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Gnl3l	MmuEX0021375	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Gnl3l	MmuEX0021376	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Gnl3l	MmuEX0021377	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Gnmt	MmuEX0021378	chr17	46863131	46863218	46863360	46863555	-
Gnpat	MmuEX0021379	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Gnpat	MmuEX0021380	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Gnpat	MmuEX0021381	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Gnpda1	MmuEX0021382	chr18	38494771	38494874	38495058	38497745	-
Gnpda2	MmuEX0021385	chr5	69970931	69973469	69973532	69976213	-
Gnptab	MmuEX0021390	chr10	87882305	87886807	87887095	87891238	+
Gnptab	MmuEX0021391	chr10	87892755	87894078	87894201	87895186	+
Gnptab	MmuEX0021392	chr10	87903136	87906054	87906144	87908508	+
Gnptab	MmuEX0021393	chr10	87842280	87863397	87863482	87874661	+
Gnptab	MmuEX0021394	chr10	87863482	87874661	87874780	87891238	+
Gnptab	MmuEX0021395	chr10	87874780	87875350	87875391	87891238	+
Gnptab	MmuEX0021396	chr10	87875391	87877138	87877179	87891238	+
Gnptab	MmuEX0021397	chr10	87877343	87881870	87881934	87891238	+
Gnptab	MmuEX0021398	chr10	87881934	87882171	87882305	87891238	+
Gnptg	MmuEX0021399	chr17	25372855	25376720	25376787	25376859	-
Gnptg	MmuEX0021400	chr17	25372056	25372127	25372209	25372290	-
Gns	MmuEX0021401	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Gns	MmuEX0021402	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Golga1	MmuEX0021403	chr2	38919024	38920195	38920243	38920901	-

Golga1	MmuEX0021404	chr2	38894655	38896747	38896872	38902543	-
Golga1	MmuEX0021405	chr2	38878364	38878660	38878793	38878893	-
Golga1	MmuEX0021406	chr2	38875173	38875591	38875650	38878221	-
Golga1	MmuEX0021407	chr2	38874596	38875003	38875173	38875591	-
Golga1	MmuEX0021409	chr2	38874009	38874510	38874596	38875003	-
Golga1	MmuEX0021410	chr2	38896872	38902543	38902654	38903106	-
Golga1	MmuEX0021411	chr2	38903286	38903830	38903958	38905679	-
Golga1	MmuEX0021412	chr2	38907621	38908476	38908550	38911580	-
Golga1	MmuEX0021413	chr2	38905711	38907524	38907621	38908476	-
Golga2	MmuEX0021414	chr2	32157263	32157662	32157803	32158223	+
Golga2	MmuEX0021415	chr2	32143916	32147613	32147735	32148835	+
Golga2	MmuEX0021416	chr2	32160399	32160479	32160554	32160730	+
Golga2	MmuEX0021417	chr2	32161213	32161293	32161395	32161497	+
Golga2	MmuEX0021418	chr2	32147735	32148835	32148915	32152146	+
Golga2	MmuEX0021419	chr2	32147735	32152146	32152241	32152485	+
Golga2	MmuEX0021420	chr2	32153097	32153274	32153354	32154120	+
Golga2	MmuEX0021421	chr2	32153097	32154120	32154158	32154406	+
Golga3	MmuEX0021422	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Golga3	MmuEX0021423	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Golga3	MmuEX0021424	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Golga3	MmuEX0021425	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Golga3	MmuEX0021426	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Golga3	MmuEX0021427	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Golga4	MmuEX0021428	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021429	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021430	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021431	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021432	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021433	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021434	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021435	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021436	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021437	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021438	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021439	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021440	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021441	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021442	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga4	MmuEX0021443	chr9	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Golga5	MmuEX0021444	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Golga5	MmuEX0021445	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Golga5	MmuEX0021446	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Golgb1	MmuEX0021448	chr16	36919882	36923696	36923742	36924719	+
Golgb1	MmuEX0021449	chr16	36887792	36889458	36889580	36891453	+
Golgb1	MmuEX0021450	chr16	36891578	36893420	36893524	36894917	+
Golgb1	MmuEX0021451	chr16	36898993	36900544	36900659	36904639	+
Golgb1	MmuEX0021452	chr16	36875349	36885123	36885274	36886217	+

Golgb1	MmuEX0021453	chr16	36875349	36886220	36886314	36887325	+
Golim4	MmuEX0021454	chr3	75690265	75690595	75690762	75694444	-
Golim4	MmuEX0021455	chr3	75682099	75682568	75682639	75690197	-
Golim4	MmuEX0021456	chr3	75712105	75713931	75713980	75715497	-
Golim4	MmuEX0021457	chr3	75682639	75690197	75690265	75690595	-
Golim4	MmuEX0021458	chr3	75702054	75706323	75706406	75707169	-
Golm1	MmuEX0021459	chr13	59765738	59766888	59767037	59777088	-
Golm1	MmuEX0021460	chr13	59752111	59756157	59756269	59765559	-
Golm1	MmuEX0021461	chr13	59767037	59776322	59776457	59777088	-
Golph3	MmuEX0021462	chr15	12251711	12269383	12269514	12272792	+
Golph3	MmuEX0021463	chr15	12251711	12272792	12272906	12279123	+
Golph3	MmuEX0021464	chr15	12272906	12273028	12273076	12279123	+
Golph3l	MmuEX0021465	chr3	95393056	95395639	95395827	95411828	+
Golph3l	MmuEX0021466	chr3	95393056	95411828	95411959	95420966	+
Golph3l	MmuEX0021467	chr3	95411959	95413594	95413708	95420966	+
Golt1b	MmuEX0021469	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Golt1b	MmuEX0021470	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Golt1b	MmuEX0021471	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Gon4l	MmuEX0021472	chr3	88659787	88660341	88660391	88661050	+
Gon4l	MmuEX0021473	chr3	88661148	88662309	88662428	88662811	+
Gon4l	MmuEX0021474	chr3	88662981	88667342	88667534	88672672	+
Gon4l	MmuEX0021475	chr3	88673765	88679829	88679852	88683993	+
Gon4l	MmuEX0021476	chr3	88679852	88683993	88684096	88690828	+
Gon4l	MmuEX0021477	chr3	88691567	88693593	88693761	88694735	+
Gon4l	MmuEX0021478	chr3	88694879	88696440	88696590	88698364	+
Gon4l	MmuEX0021479	chr3	88700493	88702027	88702282	88702812	+
Gon4l	MmuEX0021480	chr3	88702282	88702812	88702996	88703852	+
Gon4l	MmuEX0021481	chr3	88702996	88703298	88703488	88703852	+
Gon4l	MmuEX0021482	chr3	88702996	88703852	88704049	88705500	+
Gon4l	MmuEX0021483	chr3	88641442	88650310	88650501	88658524	+
Gon4l	MmuEX0021484	chr3	88707023	88709374	88709484	88711294	+
Gopc	MmuEX0021485	chr10	52059659	52065855	52066035	52068878	-
Gopc	MmuEX0021486	chr10	52074553	52077148	52077171	52078579	-
Gopc	MmuEX0021487	chr10	52073298	52074378	52074553	52078579	-
Gorab	MmuEX0021488	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Gorab	MmuEX0021489	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Gorasp1	MmuEX0021490	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Gorasp2	MmuEX0021491	chr2	70499817	70500257	70500426	70510622	+
Gorasp2	MmuEX0021492	chr2	70516671	70517489	70517619	70520954	+
Gorasp2	MmuEX0021493	chr2	70522160	70526443	70526529	70527240	+
Gorasp2	MmuEX0021494	chr2	70499817	70510622	70510818	70514522	+
Gosr1	MmuEX0021495	chr11	76568302	76569113	76569268	76574737	-
Gosr1	MmuEX0021496	chr11	76568302	76574743	76574857	76577022	-
Gosr2	MmuEX0021497	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Gosr2	MmuEX0021498	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Gosr2	MmuEX0021499	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Gosr2	MmuEX0021500	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-

Got1	MmuEX0021501	chr19	43579416	43581412	43581516	43581812	-
Got1	MmuEX0021502	chr19	43579177	43579266	43579416	43581412	-
Gp49a	MmuEX0021508	chr10	51203684	51204056	51204145	51204252	+
Gpam	MmuEX0021511	chr19	55157903	55158188	55158287	55161875	-
Gpam	MmuEX0021512	chr19	55165739	55168409	55168482	55170611	-
Gpam	MmuEX0021513	chr19	55145536	55147202	55147260	55149061	-
Gpam	MmuEX0021515	chr19	55172117	55177456	55177617	55201504	-
Gpank1	MmuEX0021516	chr17	35258743	35259174	35259236	35259998	+
Gpatch1	MmuEX0021522	chr7	36061830	36066351	36066499	36068590	-
Gpatch1	MmuEX0021523	chr7	36088490	36090949	36091007	36092208	-
Gpatch1	MmuEX0021524	chr7	36086744	36088248	36088490	36090949	-
Gpatch1	MmuEX0021525	chr7	36068687	36069735	36069842	36072142	-
Gpatch1	MmuEX0021526	chr7	36061830	36062228	36062298	36066351	-
Gpatch2	MmuEX0021527	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021528	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021529	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021530	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021531	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021532	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021533	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021534	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch2	MmuEX0021535	chr1	1.89E+08	1.89E+08	1.89E+08	1.89E+08	+
Gpatch3	MmuEX0021536	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Gpatch4	MmuEX0021537	chr3	87856040	87858064	87858173	87858291	+
Gpatch4	MmuEX0021538	chr3	87847101	87847389	87847523	87855084	+
Gpatch4	MmuEX0021539	chr3	87847101	87855084	87855211	87855595	+
Gpatch8	MmuEX0021540	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021541	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021542	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021543	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021544	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021545	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021546	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021547	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021548	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021549	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpatch8	MmuEX0021550	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Gpbp1	MmuEX0021551	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Gpbp1	MmuEX0021552	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Gpbp1	MmuEX0021553	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Gpbp1	MmuEX0021554	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Gpbp1	MmuEX0021555	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Gpbp1	MmuEX0021556	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Gpc4	MmuEX0021559	chrX	49416200	49427471	49427862	49444819	-
Gpcpd1	MmuEX0021565	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpcpd1	MmuEX0021566	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpcpd1	MmuEX0021567	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-

Gpcpd1	MmuEX0021568	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpcpd1	MmuEX0021569	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpcpd1	MmuEX0021570	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpcpd1	MmuEX0021571	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpcpd1	MmuEX0021572	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Gpd1	MmuEX0021573	chr15	99548079	99548583	99548760	99549565	+
Gpd1	MmuEX0021574	chr15	99548760	99549565	99549705	99550527	+
Gpd1	MmuEX0021575	chr15	99549705	99550527	99550665	99550997	+
Gpd1l	MmuEX0021576	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Gpd2	MmuEX0021577	chr2	57090978	57120384	57120493	57142256	+
Gpd2	MmuEX0021578	chr2	57120493	57142256	57142427	57156772	+
Gpd2	MmuEX0021579	chr2	57142427	57156772	57156896	57158219	+
Gphn	MmuEX0021581	chr12	79633685	79661347	79661409	79663843	+
Gphn	MmuEX0021582	chr12	79691658	79710132	79710224	79713959	+
Gphn	MmuEX0021583	chr12	79710224	79713959	79714014	79724291	+
Gphn	MmuEX0021584	chr12	79444417	79477347	79477404	79513328	+
Gphn	MmuEX0021585	chr12	79714014	79724291	79724410	79727121	+
Gphn	MmuEX0021586	chr12	79727179	79728094	79728247	79738445	+
Gphn	MmuEX0021587	chr12	79781381	79783705	79783801	79784765	+
Gphn	MmuEX0021588	chr12	79477404	79513328	79513420	79555744	+
Gphn	MmuEX0021589	chr12	79555838	79582286	79582352	79593025	+
Gphn	MmuEX0021590	chr12	79327828	79444339	79444417	79477347	+
Gphn	MmuEX0021591	chr12	79513420	79536161	79536199	79555744	+
Gphn	MmuEX0021592	chr12	79582352	79593025	79593297	79605604	+
Gphn	MmuEX0021593	chr12	79593297	79594937	79595044	79605604	+
Gphn	MmuEX0021594	chr12	79595044	79605604	79605738	79663843	+
Gphn	MmuEX0021595	chr12	79605738	79623885	79623941	79663843	+
Gphn	MmuEX0021596	chr12	79605738	79633644	79633685	79663843	+
Gphn	MmuEX0021597	chr12	79605738	79663843	79663885	79691521	+
Gphn	MmuEX0021598	chr12	79663885	79691521	79691658	79710132	+
Gphn	MmuEX0021599	chr12	79765551	79770811	79770875	79781278	+
Gphn	MmuEX0021600	chr12	79770875	79781278	79781381	79783705	+
Gpi1	MmuEX0021601	chr7	35005779	35005862	35005945	35012137	-
Gpld1	MmuEX0021602	chr13	25054746	25058507	25058569	25060180	+
Gpld1	MmuEX0021603	chr13	25058569	25060180	25060303	25063261	+
Gpld1	MmuEX0021604	chr13	25071863	25071987	25072046	25072826	+
Gpld1	MmuEX0021606	chr13	25076737	25078761	25078787	25078878	+
Gpld1	MmuEX0021607	chr13	25078787	25078878	25078928	25081905	+
Gpld1	MmuEX0021610	chr13	25044801	25046984	25047081	25047921	+
Gpld1	MmuEX0021611	chr13	25063400	25067468	25067654	25071248	+
Gpm6b	MmuEX0021613	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gpm6b	MmuEX0021614	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Gpn1	MmuEX0021615	chr5	31803579	31805764	31805809	31806285	+
Gpn1	MmuEX0021616	chr5	31809937	31810039	31810081	31811672	+
Gpn1	MmuEX0021617	chr5	31797984	31799684	31799723	31800713	+
Gpn1	MmuEX0021618	chr5	31797984	31798952	31799012	31799684	+
Gpn1	MmuEX0021619	chr5	31807408	31808566	31808605	31809847	+

Gpn1	MmuEX0021620	chr5	31808605	31809847	31809937	31811672	+
Gpn3	MmuEX0021621	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Gpn3	MmuEX0021622	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Gpr107	MmuEX0021625	chr2	31040391	31041009	31041126	31044203	+
Gpr107	MmuEX0021626	chr2	31041126	31044203	31044333	31047367	+
Gpr107	MmuEX0021627	chr2	31047410	31063199	31063248	31064587	+
Gpr107	MmuEX0021628	chr2	31064670	31065969	31066090	31069764	+
Gpr107	MmuEX0021629	chr2	31027601	31028411	31028586	31029722	+
Gpr107	MmuEX0021630	chr2	31024399	31027462	31027601	31029722	+
Gpr107	MmuEX0021631	chr2	31039175	31040318	31040391	31041009	+
Gpr107	MmuEX0021632	chr2	31044333	31047367	31047410	31063199	+
Gpr108	MmuEX0021633	chr17	57375846	57376120	57376163	57376294	-
Gpr108	MmuEX0021634	chr17	57375470	57375579	57375662	57375797	-
Gpr108	MmuEX0021635	chr17	57376746	57376847	57376920	57377274	-
Gpr116	MmuEX0021641	chr17	43574635	43576625	43576744	43576900	+
Gpr124	MmuEX0021645	chr8	28224978	28225709	28225933	28226127	+
Gpr124	MmuEX0021646	chr8	28222979	28223758	28223956	28224552	+
Gpr124	MmuEX0021647	chr8	28220484	28220907	28221070	28221524	+
Gpr124	MmuEX0021648	chr8	28221737	28222815	28222979	28223758	+
Gpr124	MmuEX0021649	chr8	28230323	28230919	28231008	28231238	+
Gpr125	MmuEX0021652	chr5	50390573	50393094	50393258	50397988	-
Gpr125	MmuEX0021653	chr5	50363314	50370182	50370390	50370599	-
Gpr125	MmuEX0021654	chr5	50352982	50354930	50355075	50361929	-
Gpr133	MmuEX0021660	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Gpr137	MmuEX0021665	chr19	7013019	7013246	7013364	7013502	-
Gpr137	MmuEX0021666	chr19	7013900	7014019	7014244	7014842	-
Gpr137b	MmuEX0021667	chr13	13460078	13466626	13466675	13485392	-
Gpr137b	MmuEX0021668	chr13	13451690	13453095	13453339	13453565	-
Gpr155	MmuEX0021677	chr2	73202309	73205538	73205655	73206371	-
Gpr155	MmuEX0021678	chr2	73187748	73189906	73190001	73191674	-
Gpr155	MmuEX0021679	chr2	73221015	73222125	73222249	73224322	-
Gpr157	MmuEX0021682	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Gpr180	MmuEX0021696	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Gpr180	MmuEX0021697	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Gpr180	MmuEX0021698	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Gpr180	MmuEX0021699	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Gpr180	MmuEX0021700	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Gpr19	MmuEX0021702	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gpr19	MmuEX0021703	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gpr19	MmuEX0021704	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gpr56	MmuEX0021709	chr8	97533674	97534402	97534510	97535445	+
Gpr89	MmuEX0021724	chr3	96701359	96702415	96702474	96709105	-
Gpr89	MmuEX0021725	chr3	96697527	96701256	96701359	96702415	-
Gpr89	MmuEX0021726	chr3	96684089	96684544	96684632	96686442	-
Gpr89	MmuEX0021727	chr3	96694846	96697440	96697527	96701256	-
Gpr89	MmuEX0021728	chr3	96694846	96696789	96696890	96701256	-
Gpr89	MmuEX0021729	chr3	96693912	96694726	96694846	96696789	-

Gpr97	MmuEX0021730	chr8	97544983	97557258	97557393	97568305	+
Gprasp1	MmuEX0021750	chrX	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Gprasp1	MmuEX0021751	chrX	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Gprasp2	MmuEX0021753	chrX	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Gps2	MmuEX0021758	chr11	69728363	69728435	69728547	69728641	+
Gpsm1	MmuEX0021759	chr2	26179163	26179409	26179551	26179933	+
Gpsm1	MmuEX0021760	chr2	26180056	26180318	26180433	26180857	+
Gpsm1	MmuEX0021761	chr2	26180433	26180857	26181012	26181734	+
Gpsm1	MmuEX0021762	chr2	26195226	26195925	26196092	26200122	+
Gpsm3	MmuEX0021767	chr17	34727205	34727406	34727508	34727687	+
Gpt	MmuEX0021768	chr15	76528812	76528886	76529022	76529145	+
Gpt	MmuEX0021769	chr15	76527449	76527589	76527678	76527752	+
Gpt	MmuEX0021770	chr15	76529319	76529426	76529581	76529666	+
Gpt2	MmuEX0021771	chr8	88017068	88027164	88027253	88029478	+
Gpt2	MmuEX0021772	chr8	88045393	88047155	88047267	88049435	+
Gpt2	MmuEX0021773	chr8	88027253	88029478	88029586	88033078	+
Gpt2	MmuEX0021774	chr8	88036255	88040057	88040136	88041876	+
Gpx7	MmuEX0021776	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gpx8	MmuEX0021777	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Gramd1a	MmuEX0021778	chr7	31917680	31917777	31917884	31919010	-
Gramd1a	MmuEX0021779	chr7	31917884	31918239	31918250	31919010	-
Gramd1a	MmuEX0021780	chr7	31923276	31923771	31923969	31924416	-
Gramd1a	MmuEX0021781	chr7	31924566	31924776	31924888	31926149	-
Gramd1b	MmuEX0021786	chr9	40107681	40108025	40108036	40111083	-
Gramd3	MmuEX0021791	chr18	56578979	56591773	56592011	56629187	+
Gramd3	MmuEX0021792	chr18	56649391	56650325	56650412	56651549	+
Gramd3	MmuEX0021793	chr18	56592011	56629187	56629306	56633673	+
Gramd3	MmuEX0021794	chr18	56629306	56633673	56633784	56636257	+
Gramd4	MmuEX0021795	chr15	85889391	85921743	85921953	85931210	+
Gramd4	MmuEX0021796	chr15	85921953	85931210	85931330	85948893	+
Gramd4	MmuEX0021797	chr15	85931330	85948893	85949013	85952609	+
Gramd4	MmuEX0021798	chr15	85949013	85952609	85952682	85955554	+
Grap	MmuEX0021799	chr11	61473821	61477687	61477809	61483338	+
Grb10	MmuEX0021801	chr11	11867688	11870426	11870645	11887599	-
Grb10	MmuEX0021802	chr11	11854911	11857755	11857829	11867535	-
Grb10	MmuEX0021803	chr11	11851662	11854747	11854911	11867535	-
Grb14	MmuEX0021804	chr2	64761674	64767957	64768052	64768243	-
Grb14	MmuEX0021805	chr2	64776547	64791619	64791775	64859144	-
Grb14	MmuEX0021806	chr2	64750932	64752773	64752866	64754886	-
Grb2	MmuEX0021807	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Grb2	MmuEX0021808	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Grb2	MmuEX0021809	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Grhpr	MmuEX0021834	chr4	44999262	45000088	45000223	45001792	+
Grik5	MmuEX0021886	chr7	25808415	25831193	25831396	25843303	-
Grik5	MmuEX0021887	chr7	25800992	25804633	25804992	25807460	-
Grik5	MmuEX0021888	chr7	25850489	25853029	25853193	25853463	-
Grik5	MmuEX0021889	chr7	25843410	25843513	25843613	25843960	-

Grik5	MmuEX0021890	chr7	25845650	25845749	25845802	25847897	-
Grina	MmuEX0021905	chr15	76077330	76077959	76077998	76078281	+
Grina	MmuEX0021906	chr15	76077330	76077344	76077428	76078281	+
Grina	MmuEX0021907	chr15	76078798	76078879	76079079	76079202	+
Grina	MmuEX0021908	chr15	76077998	76078070	76078167	76078281	+
Grip2	MmuEX0021918	chr6	91722732	91723787	91723955	91724676	-
Grip2	MmuEX0021919	chr6	91728738	91728829	91728895	91729129	-
Grip2	MmuEX0021920	chr6	91729209	91729818	91729963	91730325	-
Gripap1	MmuEX0021924	chrX	7369262	7369402	7369463	7371386	+
Gripap1	MmuEX0021925	chrX	7391824	7395153	7395275	7395422	+
Gripap1	MmuEX0021926	chrX	7377467	7377662	7377709	7378303	+
Gripap1	MmuEX0021927	chrX	7380526	7380720	7380812	7381486	+
Gripap1	MmuEX0021928	chrX	7381620	7387019	7387114	7387379	+
Gripap1	MmuEX0021929	chrX	7395515	7396293	7396447	7397128	+
Gripap1	MmuEX0021930	chrX	7369463	7371386	7371412	7376416	+
Gripap1	MmuEX0021931	chrX	7369463	7372118	7372225	7376416	+
Grk4	MmuEX0021936	chr5	35011855	35017183	35017295	35018759	+
Grk4	MmuEX0021940	chr5	35058978	35087812	35088020	35090828	+
Grk5	MmuEX0021941	chr19	61063700	61103772	61103835	61107655	+
Grk5	MmuEX0021942	chr19	61063700	61107655	61107767	61121980	+
Grk5	MmuEX0021943	chr19	61156846	61158964	61159172	61161975	+
Grk5	MmuEX0021944	chr19	61122057	61133845	61133909	61144451	+
Grk6	MmuEX0021945	chr13	55546921	55550451	55550553	55550669	+
Grk6	MmuEX0021946	chr13	55551738	55551868	55551945	55552289	+
Grlf1	MmuEX0021947	chr7	17150678	17184227	17184283	17199821	-
Grlf1	MmuEX0021948	chr7	17150678	17179549	17179759	17199821	-
Grlf1	MmuEX0021949	chr7	17097834	17117258	17117325	17134412	-
Grlf1	MmuEX0021950	chr7	17134556	17146807	17150674	17199817	-
Grlf1	MmuEX0021951	chr7	17097834	17134412	17134556	17146807	-
Grlf1	MmuEX0021952	chr7	17084038	17097757	17097834	17134412	-
Grlf1	MmuEX0021953	chr7	17084038	17096542	17096673	17097757	-
Grm1	MmuEX0021954	chr10	10417930	10436103	10436204	10439021	-
Grm1	MmuEX0021955	chr10	10409700	10417846	10417930	10436103	-
Grm1	MmuEX0021956	chr10	10502592	10656127	10656376	10799637	-
Grn	MmuEX0021977	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Grn	MmuEX0021978	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Grsf1	MmuEX0021979	chr5	89094966	89099201	89099336	89100187	-
Grsf1	MmuEX0021980	chr5	89089484	89091560	89091635	89092145	-
Grtp1	MmuEX0021984	chr8	13179508	13179583	13179755	13186883	-
Grwd1	MmuEX0021986	chr7	53085514	53085699	53085779	53085965	-
Gsdmd	MmuEX0021995	chr15	75692911	75693739	75693759	75693835	+
Gsdmd	MmuEX0021996	chr15	75695955	75696190	75696240	75696517	+
Gsdmd	MmuEX0021997	chr15	75696901	75696976	75697120	75697220	+
Gsdmd	MmuEX0021998	chr15	75694058	75694785	75694866	75695379	+
Gsdmd	MmuEX0021999	chr15	75697120	75697220	75697293	75697427	+
Gse1	MmuEX0022000	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Gse1	MmuEX0022001	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+

Gse1	MmuEX0022002	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Gsg1l	MmuEX0022004	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gsg1l	MmuEX0022005	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gsk3b	MmuEX0022006	chr16	38090699	38144346	38144539	38170750	+
Gsk3b	MmuEX0022007	chr16	38144539	38170750	38170833	38184521	+
Gsk3b	MmuEX0022008	chr16	38208176	38217199	38217237	38220058	+
Gsk3b	MmuEX0022009	chr16	38208176	38220058	38220244	38240588	+
Gsk3b	MmuEX0022010	chr16	38220244	38228764	38228862	38240588	+
Gsn	MmuEX0022011	chr2	35111993	35122340	35122423	35139425	+
Gsn	MmuEX0022012	chr2	35122423	35138171	35138241	35139425	+
Gspt1	MmuEX0022013	chr16	11222846	11223305	11223394	11224513	-
Gsr	MmuEX0022016	chr8	34779651	34780365	34780453	34781995	+
Gsr	MmuEX0022017	chr8	34793151	34796016	34796174	34799813	+
Gss	MmuEX0022018	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Gss	MmuEX0022019	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Gss	MmuEX0022020	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Gss	MmuEX0022021	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Gsta3	MmuEX0022022	chr1	21250270	21252874	21253005	21254924	+
Gsta3	MmuEX0022024	chr1	21230740	21239832	21239939	21247412	+
Gsta3	MmuEX0022025	chr1	21239939	21244765	21244904	21247412	+
Gstcd	MmuEX0022026	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gstcd	MmuEX0022027	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gstcd	MmuEX0022028	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gstcd	MmuEX0022030	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gstk1	MmuEX0022031	chr6	42197583	42197733	42197768	42199378	+
Gstk1	MmuEX0022032	chr6	42199494	42199838	42199931	42200229	+
Gstm4	MmuEX0022033	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gstm7	MmuEX0022034	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gstm7	MmuEX0022035	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Gsto1	MmuEX0022036	chr19	47932571	47933922	47934020	47937869	+
Gsto2	MmuEX0022037	chr19	47944250	47944699	47944813	47946506	+
Gsto2	MmuEX0022038	chr19	47944924	47946144	47946293	47946506	+
Gsto2	MmuEX0022039	chr19	47946614	47949320	47949542	47950886	+
Gsto2	MmuEX0022040	chr19	47949542	47950886	47950987	47959146	+
Gstt1	MmuEX0022041	chr10	75246978	75249540	75249716	75256822	-
Gstt2	MmuEX0022042	chr10	75295577	75296920	75297626	75299960	-
Gstt2	MmuEX0022043	chr10	75295577	75296397	75296484	75296920	-
Gstt2	MmuEX0022044	chr10	75295313	75295406	75295556	75296397	-
Gstz1	MmuEX0022051	chr12	88488794	88498474	88498610	88498843	+
Gstz1	MmuEX0022052	chr12	88498894	88500028	88500095	88500590	+
Gstz1	MmuEX0022053	chr12	88500670	88501000	88501125	88502417	+
Gtdc1	MmuEX0022054	chr2	44490836	44607567	44607740	44611788	-
Gtdc1	MmuEX0022055	chr2	44447510	44490522	44490836	44607567	-
Gtdc1	MmuEX0022056	chr2	44431107	44447401	44447510	44490522	-
Gtdc1	MmuEX0022057	chr2	44426803	44430963	44431107	44447401	-
Gtdc1	MmuEX0022058	chr2	44426803	44429786	44429935	44430963	-
Gtdc1	MmuEX0022059	chr2	44426030	44426733	44426803	44430963	-

Gtdc1	MmuEX0022060	chr2	44607740	44611788	44611955	44680871	-
Gtdc1	MmuEX0022061	chr2	44611955	44646541	44647121	44680871	-
Gtf2a2	MmuEX0022066	chr9	69864730	69867196	69867322	69870244	+
Gtf2a2	MmuEX0022067	chr9	69860759	69862100	69862298	69863099	+
Gtf2a2	MmuEX0022068	chr9	69860759	69862730	69862822	69863099	+
Gtf2a2	MmuEX0022069	chr9	69860759	69863099	69863217	69864626	+
Gtf2a2	MmuEX0022070	chr9	69863217	69863575	69863744	69864626	+
Gtf2a2	MmuEX0022071	chr9	69864730	69864880	69864998	69867196	+
Gtf2a2	MmuEX0022072	chr9	69864730	69866487	69866625	69867196	+
Gtf2e2	MmuEX0022073	chr8	34866431	34866511	34866641	34869028	+
Gtf2e2	MmuEX0022074	chr8	34866431	34869028	34869210	34872482	+
Gtf2e2	MmuEX0022075	chr8	34843106	34844054	34844178	34846206	+
Gtf2f1	MmuEX0022076	chr17	57149183	57150399	57150437	57150532	-
Gtf2f2	MmuEX0022077	chr14	76306733	76317441	76317540	76349245	-
Gtf2f2	MmuEX0022078	chr14	76396734	76407512	76407585	76410198	-
Gtf2f2	MmuEX0022079	chr14	76317540	76349245	76349326	76395228	-
Gtf2h1	MmuEX0022080	chr7	54068119	54069486	54069574	54070670	+
Gtf2h1	MmuEX0022081	chr7	54059379	54060331	54060493	54062106	+
Gtf2h1	MmuEX0022082	chr7	54060493	54062106	54062199	54063907	+
Gtf2h1	MmuEX0022083	chr7	54052133	54052767	54052835	54057042	+
Gtf2h1	MmuEX0022084	chr7	54070787	54071754	54071844	54074492	+
Gtf2h1	MmuEX0022085	chr7	54070787	54072267	54072382	54074492	+
Gtf2h1	MmuEX0022086	chr7	54072382	54074492	54074584	54078193	+
Gtf2h2	MmuEX0022087	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022088	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022089	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022090	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022091	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022092	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022093	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022094	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h2	MmuEX0022095	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Gtf2h3	MmuEX0022096	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gtf2h3	MmuEX0022097	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gtf2h3	MmuEX0022098	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gtf2h3	MmuEX0022099	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Gtf2h4	MmuEX0022100	chr17	35807421	35807602	35807690	35807811	-
Gtf2h4	MmuEX0022101	chr17	35806976	35807135	35807203	35807310	-
Gtf2h4	MmuEX0022102	chr17	35809042	35809172	35809319	35809631	-
Gtf2h4	MmuEX0022103	chr17	35808302	35808938	35809042	35809631	-
Gtf2h4	MmuEX0022104	chr17	35805602	35806254	35806384	35806574	-
Gtf2i	MmuEX0022105	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022106	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022107	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022108	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022109	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022110	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-

Gtf2i	MmuEX0022111	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022112	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022113	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2i	MmuEX0022114	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022115	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022116	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022117	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022118	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022119	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022120	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022122	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022123	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022124	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022125	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird1	MmuEX0022126	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Gtf2ird2	MmuEX0022127	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gtf2ird2	MmuEX0022128	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gtf2ird2	MmuEX0022129	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gtf2ird2	MmuEX0022130	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gtf2ird2	MmuEX0022131	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gtf2ird2	MmuEX0022132	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Gtf3a	MmuEX0022133	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Gtf3c1	MmuEX0022134	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022135	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022136	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022137	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022138	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022139	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022140	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022141	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022142	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c1	MmuEX0022143	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Gtf3c2	MmuEX0022144	chr5	31470473	31470624	31470851	31471424	-
Gtf3c2	MmuEX0022145	chr5	31462234	31462321	31462465	31468259	-
Gtf3c2	MmuEX0022146	chr5	31475446	31475756	31475884	31476141	-
Gtf3c3	MmuEX0022147	chr1	54460479	54461824	54462014	54462681	-
Gtf3c4	MmuEX0022148	chr2	28690893	28691931	28692036	28695403	-
Gtf3c4	MmuEX0022149	chr2	28690893	28691545	28691647	28691931	-
Gtf3c4	MmuEX0022150	chr2	28683086	28686022	28686152	28689070	-
Gtf3c5	MmuEX0022151	chr2	28429092	28433396	28433594	28435038	-
Gtf3c5	MmuEX0022152	chr2	28435257	28436651	28436785	28438345	-
Gtl3	MmuEX0022153	chr8	97946794	97947589	97947851	97948517	-
Gtl3	MmuEX0022154	chr8	97946794	97948517	97948596	97958388	-
Gtpbp1	MmuEX0022155	chr15	79521528	79524251	79524443	79524586	+
Gtpbp1	MmuEX0022156	chr15	79524697	79524925	79524982	79537422	+
Gtpbp1	MmuEX0022157	chr15	79521528	79524586	79524697	79537422	+
Gtpbp2	MmuEX0022161	chr17	46300458	46300701	46300828	46301143	+

Gtpbp2	MmuEX0022162	chr17	46302578	46302727	46302946	46303260	+
Gtpbp2	MmuEX0022163	chr17	46298275	46299983	46300162	46300432	+
Gtpbp2	MmuEX0022164	chr17	46298275	46300246	46300319	46300432	+
Gtpbp2	MmuEX0022165	chr17	46298275	46300432	46300458	46301143	+
Gtpbp3	MmuEX0022166	chr8	74014866	74014965	74015108	74015324	+
Gtpbp3	MmuEX0022167	chr8	74012739	74012970	74013217	74013324	+
Gtpbp3	MmuEX0022168	chr8	74014436	74014794	74014866	74014965	+
Gtpbp4	MmuEX0022169	chr13	8988391	8989944	8990044	8990961	-
Gtpbp4	MmuEX0022170	chr13	8984565	8984884	8984973	8986495	-
Gtpbp4	MmuEX0022171	chr13	8991281	8991891	8992061	8995195	-
Gtpbp4	MmuEX0022172	chr13	8988391	8991178	8991281	8995195	-
Gtpbp5	MmuEX0022173	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp5	MmuEX0022174	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp5	MmuEX0022175	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp5	MmuEX0022176	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp5	MmuEX0022177	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp5	MmuEX0022178	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp5	MmuEX0022179	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Gtpbp6	MmuEX0022180	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Gtpbp6	MmuEX0022181	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Gtpbp6	MmuEX0022182	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Gtpbp8	MmuEX0022183	chr16	44743981	44745508	44745606	44746112	-
Gtpbp8	MmuEX0022184	chr16	44742716	44743851	44743981	44745396	-
Gucy1b3	MmuEX0022203	chr3	81862281	81864942	81865042	81877920	-
Guf1	MmuEX0022206	chr5	69955886	69956669	69956801	69957600	+
Guf1	MmuEX0022207	chr5	69958500	69958590	69958729	69959635	+
Guf1	MmuEX0022208	chr5	69950166	69950789	69950866	69951671	+
Guf1	MmuEX0022209	chr5	69952438	69952893	69953096	69954322	+
Guf1	MmuEX0022210	chr5	69952438	69953156	69953230	69954322	+
Guf1	MmuEX0022211	chr5	69951754	69952374	69952438	69952893	+
Guf1	MmuEX0022212	chr5	69957743	69958367	69958500	69959635	+
Guf1	MmuEX0022213	chr5	69953096	69954322	69954461	69955763	+
Guf1	MmuEX0022214	chr5	69953096	69955763	69955886	69956669	+
Guk1	MmuEX0022215	chr11	59000389	59003699	59003824	59005253	-
Guk1	MmuEX0022216	chr11	58998834	58999444	58999540	58999902	-
Gusb	MmuEX0022228	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Gusb	MmuEX0022229	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Gusb	MmuEX0022230	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Gxylt1	MmuEX0022231	chr15	93092349	93096302	93096394	93105307	-
Gxylt1	MmuEX0022232	chr15	93089621	93092178	93092349	93105307	-
Gyg	MmuEX0022237	chr3	20025363	20037903	20038029	20050425	-
Gyg	MmuEX0022238	chr3	20022750	20025144	20025363	20037903	-
Gyg	MmuEX0022239	chr3	20022750	20023008	20023058	20025144	-
Gyg	MmuEX0022240	chr3	20050587	20052616	20052746	20054884	-
Gyg	MmuEX0022241	chr3	20050587	20050839	20051013	20052616	-
Gyk	MmuEX0022242	chrX	83006020	83006673	83006746	83021765	-
Gyk	MmuEX0022243	chrX	82982239	82982653	82982688	82985634	-

Gyk	MmuEX0022244	chrX	82999748	83005914	83006020	83006673	-
Gyk	MmuEX0022245	chrX	82956470	82957681	82957824	82957938	-
Gyk	MmuEX0022246	chrX	82991640	82999671	82999748	83005914	-
Gyk	MmuEX0022247	chrX	82989190	82991564	82991640	82999671	-
Gyk	MmuEX0022248	chrX	82949735	82951577	82951663	82956390	-
Gyk	MmuEX0022249	chrX	82982688	82984561	82984578	82985634	-
Gyk	MmuEX0022250	chrX	82991640	82994951	82995034	82999671	-
Gzf1	MmuEX0022254	chr2	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Gzf1	MmuEX0022255	chr2	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Gzmm	MmuEX0022257	chr10	79155725	79156869	79157007	79157096	+
H13	MmuEX0022259	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
H13	MmuEX0022260	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
H13	MmuEX0022261	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
H13	MmuEX0022262	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
H13	MmuEX0022263	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
H13	MmuEX0022264	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
H2-D1	MmuEX0022267	chr17	35403459	35403633	35403671	35403811	+
H2-DMa	MmuEX0022268	chr17	34274343	34274848	34275126	34275352	+
H2-DMa	MmuEX0022269	chr17	34275126	34275352	34275480	34275762	+
H2-Eb1	MmuEX0022270	chr17	34446805	34451115	34451396	34451988	+
H2-Eb1	MmuEX0022271	chr17	34451396	34451988	34452098	34452501	+
H2-K1	MmuEX0022272	chr17	34133599	34133772	34133804	34133983	-
H2-Ke6	MmuEX0022274	chr17	34163415	34163608	34163650	34163796	-
H2-Ke6	MmuEX0022275	chr17	34163170	34163341	34163415	34163796	-
H2-M3	MmuEX0022278	chr17	37407279	37407467	37407736	37410664	+
H2-M3	MmuEX0022279	chr17	37407279	37407943	37408218	37410664	+
H2-M3	MmuEX0022280	chr17	37407279	37409214	37409489	37410664	+
H2-M3	MmuEX0022281	chr17	37407279	37409593	37409697	37410664	+
H2-Q10	MmuEX0022284	chr17	35607124	35607321	35607590	35607771	+
H2-Q10	MmuEX0022285	chr17	35610534	35610713	35610745	35611086	+
H2-Q10	MmuEX0022286	chr17	35607590	35607771	35608046	35610028	+
H2-Q6	MmuEX0022290	chr17	35480333	35532107	35532225	35564809	+
H2-Q6	MmuEX0022291	chr17	35480333	35562053	35562322	35564809	+
H2-Q6	MmuEX0022292	chr17	35480333	35562516	35562791	35564809	+
H2-Q6	MmuEX0022293	chr17	35480333	35564916	35565084	35565505	+
H2-Q6	MmuEX0022294	chr17	35480333	35565212	35565327	35565505	+
H2-Q6	MmuEX0022295	chr17	35565327	35565505	35565537	35565945	+
H2-Q7	MmuEX0022296	chr17	35579944	35580111	35580154	35580267	+
H2-T22	MmuEX0022298	chr17	36175721	36175930	36175999	36176122	-
H2-T22	MmuEX0022299	chr17	36176319	36177170	36177274	36177423	-
H2-T24	MmuEX0022301	chr17	36143734	36152329	36152601	36154182	-
H2-T24	MmuEX0022302	chr17	36143734	36151745	36152020	36152329	-
H2-T24	MmuEX0022303	chr17	36143734	36151502	36151641	36151745	-
H2afv	MmuEX0022304	chr11	6333840	6338057	6338071	6339379	-
H2afv	MmuEX0022305	chr11	6333840	6337969	6338071	6339379	-
H2afv	MmuEX0022306	chr11	6329228	6333727	6333840	6339379	-
H2afy	MmuEX0022307	chr13	56175753	56184481	56184655	56185557	-

H2afy	MmuEX0022308	chr13	56185646	56191119	56191218	56197485	-
H2afy	MmuEX0022309	chr13	56185646	56189617	56189703	56197485	-
H2afy2	MmuEX0022310	chr10	61202210	61203124	61203183	61203883	-
H6pd	MmuEX0022315	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
H6pd	MmuEX0022316	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
H6pd	MmuEX0022317	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
H6pd	MmuEX0022318	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Habp4	MmuEX0022326	chr13	64275529	64276098	64276166	64277313	+
Hace1	MmuEX0022328	chr10	45391006	45391245	45391332	45392134	+
Hace1	MmuEX0022329	chr10	45392667	45394708	45394822	45396187	+
Hace1	MmuEX0022330	chr10	45420481	45420760	45420830	45429687	+
Hace1	MmuEX0022331	chr10	45420830	45429687	45429800	45431240	+
Hace1	MmuEX0022332	chr10	45325390	45334879	45335021	45338304	+
Hace1	MmuEX0022334	chr10	45397069	45406408	45406539	45420383	+
Hace1	MmuEX0022335	chr10	45369793	45372394	45372544	45390152	+
Hace1	MmuEX0022336	chr10	45308266	45309287	45309376	45310074	+
Hace1	MmuEX0022337	chr10	45310178	45325315	45325390	45338304	+
Hace1	MmuEX0022338	chr10	45325390	45338304	45338435	45390152	+
Hace1	MmuEX0022339	chr10	45338435	45358127	45358209	45368397	+
Hace1	MmuEX0022340	chr10	45358209	45368397	45368493	45390152	+
Hace1	MmuEX0022341	chr10	45368493	45368660	45368761	45390152	+
Hace1	MmuEX0022342	chr10	45368761	45369687	45369793	45390152	+
Hacl1	MmuEX0022343	chr14	32434294	32436025	32436160	32439526	-
Hacl1	MmuEX0022344	chr14	32432259	32433031	32433114	32434189	-
Hacl1	MmuEX0022345	chr14	32423474	32427390	32427497	32428549	-
Hacl1	MmuEX0022346	chr14	32446154	32448930	32448970	32453680	-
Hacl1	MmuEX0022347	chr14	32446154	32447385	32447465	32453680	-
Hacl1	MmuEX0022348	chr14	32436160	32446082	32446154	32453680	-
Hacl1	MmuEX0022349	chr14	32436160	32444147	32444224	32453680	-
Hacl1	MmuEX0022350	chr14	32436160	32443219	32443313	32453680	-
Hacl1	MmuEX0022351	chr14	32436160	32439526	32439638	32453680	-
Hadha	MmuEX0022352	chr5	30473956	30474520	30474561	30481422	-
Hadha	MmuEX0022353	chr5	30471908	30473886	30473956	30481422	-
Hadha	MmuEX0022354	chr5	30448069	30448690	30448758	30449161	-
Hadha	MmuEX0022355	chr5	30446500	30446585	30446730	30447228	-
Hadhb	MmuEX0022356	chr5	30496135	30499166	30499253	30501331	+
Hadhb	MmuEX0022357	chr5	30496135	30500350	30500537	30501331	+
Hadhb	MmuEX0022358	chr5	30505384	30506092	30506179	30506855	+
Hagh	MmuEX0022359	chr17	24997994	24998258	24998359	25000622	+
Haghl	MmuEX0022360	chr17	25921123	25921205	25921313	25921400	-
Haghl	MmuEX0022361	chr17	25921670	25921949	25922139	25922230	-
Harbi1	MmuEX0022369	chr2	91551408	91552237	91553022	91560511	+
Hars	MmuEX0022370	chr18	36933269	36933816	36933986	36935831	-
Hars2	MmuEX0022371	chr18	36945860	36947156	36947281	36947553	+
Hars2	MmuEX0022372	chr18	36945860	36947553	36947660	36948811	+
Hars2	MmuEX0022373	chr18	36947918	36948231	36948324	36948811	+
Hars2	MmuEX0022374	chr18	36948324	36948811	36948938	36949788	+

Hars2	MmuEX0022375	chr18	36948938	36949021	36949263	36949788	+
Hat1	MmuEX0022377	chr2	71259372	71259690	71259796	71272112	+
Hat1	MmuEX0022378	chr2	71227361	71227960	71228055	71247045	+
Hat1	MmuEX0022379	chr2	71248320	71258232	71258411	71258647	+
Haus1	MmuEX0022380	chr18	78002947	78003281	78003352	78005603	-
Haus1	MmuEX0022381	chr18	77999272	77999486	77999577	77999646	-
Haus1	MmuEX0022382	chr18	77998247	77999207	77999272	77999646	-
Haus1	MmuEX0022384	chr18	78000855	78002812	78002947	78005603	-
Haus2	MmuEX0022385	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Haus2	MmuEX0022386	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Haus2	MmuEX0022387	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Haus3	MmuEX0022388	chr5	34496755	34497959	34498076	34506172	-
Haus4	MmuEX0022389	chr14	55168873	55170357	55170560	55170974	-
Haus4	MmuEX0022390	chr14	55164659	55167518	55167601	55167703	-
Haus4	MmuEX0022391	chr14	55163187	55164563	55164659	55167703	-
Haus4	MmuEX0022392	chr14	55168873	55169479	55169591	55170974	-
Haus6	MmuEX0022393	chr4	86232283	86234889	86234970	86239496	-
Haus6	MmuEX0022394	chr4	86227922	86228785	86229777	86231232	-
Haus6	MmuEX0022395	chr4	86247192	86248723	86248867	86250061	-
Haus6	MmuEX0022396	chr4	86240771	86241267	86241460	86245163	-
Haus6	MmuEX0022397	chr4	86248867	86250061	86250193	86251541	-
Haus7	MmuEX0022398	chrX	70692476	70693231	70693233	70693299	-
Haus7	MmuEX0022399	chrX	70694241	70698338	70698399	70700206	-
Haus7	MmuEX0022400	chrX	70692476	70694150	70694241	70698338	-
Haus7	MmuEX0022401	chrX	70692476	70693531	70693689	70694150	-
Haus7	MmuEX0022402	chrX	70692476	70693299	70693395	70693531	-
Haus7	MmuEX0022403	chrX	70691263	70692267	70692476	70693299	-
Haus7	MmuEX0022404	chrX	70682904	70691149	70691263	70692267	-
Haus8	MmuEX0022405	chr8	73787003	73789428	73789475	73793125	-
Haus8	MmuEX0022406	chr8	73777153	73778420	73778561	73779306	-
Haus8	MmuEX0022407	chr8	73779611	73779907	73780019	73780358	-
Haus8	MmuEX0022408	chr8	73779464	73779546	73779611	73779907	-
Haus8	MmuEX0022409	chr8	73793183	73795144	73795211	73796183	-
Haus8	MmuEX0022410	chr8	73787003	73793125	73793183	73796183	-
Hax1	MmuEX0022416	chr3	89801496	89801724	89801902	89802247	-
Hax1	MmuEX0022417	chr3	89800220	89801309	89801487	89801660	-
Hbegf	MmuEX0022418	chr18	36667258	36672211	36672388	36674741	-
Hbp1	MmuEX0022419	chr12	32621949	32622035	32622146	32622483	-
Hbp1	MmuEX0022420	chr12	32619306	32621837	32621949	32622035	-
Hbp1	MmuEX0022421	chr12	32618366	32619150	32619306	32621837	-
Hbs1l	MmuEX0022422	chr10	21069192	21069999	21070199	21071733	+
Hbs1l	MmuEX0022423	chr10	21069192	21071733	21071850	21072348	+
Hbs1l	MmuEX0022424	chr10	21071850	21072348	21072416	21074445	+
Hbs1l	MmuEX0022425	chr10	21027585	21028900	21029120	21056773	+
Hbs1l	MmuEX0022426	chr10	21061785	21062205	21062370	21064883	+
Hbs1l	MmuEX0022427	chr10	21072416	21074445	21074549	21078119	+
Hbs1l	MmuEX0022428	chr10	21078646	21084481	21084581	21087448	+

Hccs	MmuEX0022429	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Hcfc1	MmuEX0022430	chrX	71196802	71196993	71197131	71197265	-
Hcfc1r1	MmuEX0022431	chr17	23811035	23811514	23811642	23811851	+
Hcfc2	MmuEX0022432	chr10	82195421	82197095	82197226	82201024	+
Hcfc2	MmuEX0022433	chr10	82172793	82173475	82173665	82174580	+
Hcfc2	MmuEX0022434	chr10	82197226	82201024	82201209	82201725	+
Hcfc2	MmuEX0022435	chr10	82163812	82165188	82165348	82171754	+
Hcfc2	MmuEX0022436	chr10	82165348	82171754	82171962	82172709	+
Hcfc2	MmuEX0022437	chr10	82171962	82172709	82172793	82174580	+
Hcfc2	MmuEX0022438	chr10	82186531	82187089	82187141	82190998	+
Hcfc2	MmuEX0022439	chr10	82187141	82190998	82191172	82195348	+
Hcls1	MmuEX0022443	chr16	36951273	36955346	36955456	36956050	+
Hcn2	MmuEX0022444	chr10	79189053	79191638	79191856	79193592	+
Hcn2	MmuEX0022445	chr10	79187556	79188892	79189053	79191638	+
Hdac1	MmuEX0022452	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Hdac1	MmuEX0022456	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Hdac1	MmuEX0022457	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Hdac10	MmuEX0022459	chr15	88957136	88957299	88957425	88957580	-
Hdac10	MmuEX0022460	chr15	88954858	88954962	88955018	88955143	-
Hdac10	MmuEX0022461	chr15	88957425	88957580	88957648	88957816	-
Hdac10	MmuEX0022462	chr15	88956867	88957071	88957136	88957299	-
Hdac10	MmuEX0022463	chr15	88956320	88956405	88956511	88956642	-
Hdac10	MmuEX0022464	chr15	88958448	88958615	88958749	88958820	-
Hdac10	MmuEX0022465	chr15	88958121	88958352	88958448	88958615	-
Hdac10	MmuEX0022466	chr15	88957920	88958024	88958121	88958352	-
Hdac11	MmuEX0022468	chr6	91117874	91118803	91118865	91119389	+
Hdac11	MmuEX0022469	chr6	91119485	91122159	91122337	91123043	+
Hdac11	MmuEX0022470	chr6	91109255	91115555	91115671	91118803	+
Hdac11	MmuEX0022471	chr6	91109255	91116237	91116279	91118803	+
Hdac11	MmuEX0022472	chr6	91116279	91117798	91117874	91118803	+
Hdac2	MmuEX0022473	chr10	36705045	36706113	36706230	36707886	+
Hdac3	MmuEX0022474	chr18	38105429	38112125	38112267	38114336	-
Hdac3	MmuEX0022475	chr18	38105429	38108698	38108770	38112125	-
Hdac3	MmuEX0022476	chr18	38104679	38104994	38105049	38105165	-
Hdac4	MmuEX0022477	chr1	93951549	94038097	94038158	94044833	-
Hdac4	MmuEX0022478	chr1	93926773	93951478	93951549	94044833	-
Hdac4	MmuEX0022479	chr1	93856043	93858030	93858137	93861357	-
Hdac4	MmuEX0022480	chr1	93855019	93855988	93856043	93858030	-
Hdac4	MmuEX0022481	chr1	93844113	93851867	93851964	93852619	-
Hdac4	MmuEX0022482	chr1	93926773	93945412	93945466	93951478	-
Hdac4	MmuEX0022483	chr1	93884234	93888060	93888191	93892634	-
Hdac4	MmuEX0022484	chr1	93898852	93909246	93909396	93926532	-
Hdac4	MmuEX0022485	chr1	93951549	93988309	93988395	94044833	-
Hdac5	MmuEX0022486	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022487	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022488	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022489	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-

Hdac5	MmuEX0022490	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022491	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022492	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022493	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022494	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022495	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022496	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022497	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022498	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac5	MmuEX0022499	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Hdac6	MmuEX0022500	chrX	7520863	7521700	7521740	7521840	-
Hdac6	MmuEX0022501	chrX	7517170	7518970	7519038	7519159	-
Hdac6	MmuEX0022502	chrX	7509363	7511298	7511447	7513196	-
Hdac6	MmuEX0022503	chrX	7508281	7508406	7508507	7508592	-
Hdac6	MmuEX0022504	chrX	7507663	7507910	7508038	7508135	-
Hdac6	MmuEX0022505	chrX	7521740	7521840	7521924	7523789	-
Hdac6	MmuEX0022506	chrX	7511447	7513196	7513388	7513508	-
Hdac7	MmuEX0022507	chr15	97633247	97635539	97635622	97636897	-
Hdac7	MmuEX0022508	chr15	97627382	97628372	97628469	97628655	-
Hdac7	MmuEX0022509	chr15	97639957	97640355	97640470	97641284	-
Hdac7	MmuEX0022510	chr15	97624496	97626178	97626262	97626529	-
Hdac7	MmuEX0022511	chr15	97637098	97638025	97638198	97638396	-
Hdac7	MmuEX0022512	chr15	97638964	97639091	97639201	97639398	-
Hdac7	MmuEX0022513	chr15	97626662	97627264	97627382	97628372	-
Hdac7	MmuEX0022514	chr15	97630075	97631126	97631233	97632507	-
Hdac7	MmuEX0022515	chr15	97628774	97630192	97630247	97632507	-
Hdac7	MmuEX0022516	chr15	97628774	97629988	97630075	97632507	-
Hdac8	MmuEX0022517	chrX	99480507	99502978	99503083	99597924	-
Hdac8	MmuEX0022518	chrX	99624180	99627824	99627936	99693470	-
Hdac8	MmuEX0022519	chrX	99601048	99623454	99623562	99624103	-
Hdac8	MmuEX0022520	chrX	99695291	99699738	99699790	99700293	-
Hdac9	MmuEX0022521	chr12	35074327	35075007	35075217	35078148	-
Hdac9	MmuEX0022528	chr12	34997576	35058743	35059003	35074110	-
Hdac9	MmuEX0022529	chr12	35087732	35092631	35092762	35114363	-
Hdac9	MmuEX0022530	chr12	35116854	35117946	35118087	35122002	-
Hdc	MmuEX0022531	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Hdc	MmuEX0022532	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Hddc2	MmuEX0022533	chr10	31033289	31033370	31033504	31034321	+
Hddc2	MmuEX0022534	chr10	31036201	31037488	31037597	31040074	+
Hddc2	MmuEX0022535	chr10	31040142	31041345	31041556	31045012	+
Hddc2	MmuEX0022536	chr10	31040142	31045012	31045081	31045828	+
Hddc3	MmuEX0022537	chr7	87488341	87488425	87488480	87488565	+
Hdgf	MmuEX0022538	chr3	87717373	87717763	87717832	87717974	+
Hdgfrp2	MmuEX0022539	chr17	56219249	56221523	56221599	56221700	+
Hdgfrp2	MmuEX0022540	chr17	56238176	56238397	56238498	56238600	+
Hdgfrp2	MmuEX0022541	chr17	56221838	56232945	56233145	56235440	+
Hdgfrp2	MmuEX0022542	chr17	56235699	56236271	56236439	56236511	+

Hdgfrp2	MmuEX0022543	chr17	56236949	56237305	56237408	56237907	+
Hdgfrp2	MmuEX0022544	chr17	56238498	56238600	56238810	56239282	+
Hdgfrp2	MmuEX0022545	chr17	56233145	56235440	56235553	56235628	+
Hdgfrp3	MmuEX0022546	chr7	89045309	89050446	89050522	89078825	-
Hdgfrp3	MmuEX0022547	chr7	89030969	89045171	89045309	89050446	-
Hdgfrp3	MmuEX0022548	chr7	89030969	89044560	89044715	89045171	-
Hdgfrp3	MmuEX0022549	chr7	89030969	89038685	89038831	89044560	-
Hdhd2	MmuEX0022551	chr18	77195662	77203790	77204006	77205883	+
Hdlbp	MmuEX0022552	chr1	95339537	95341438	95341536	95342157	-
Hdlbp	MmuEX0022553	chr1	95347560	95357921	95358173	95374784	-
Hdlbp	MmuEX0022554	chr1	95327747	95327889	95328095	95333671	-
Hdlbp	MmuEX0022555	chr1	95318006	95319841	95319954	95320347	-
Hdlbp	MmuEX0022556	chr1	95338827	95347456	95347560	95357921	-
Hdlbp	MmuEX0022557	chr1	95313967	95314045	95314266	95316646	-
Hdlbp	MmuEX0022558	chr1	95310202	95310404	95310508	95311389	-
Hdlbp	MmuEX0022559	chr1	95310508	95311389	95311543	95313078	-
Hdlbp	MmuEX0022560	chr1	95324829	95325955	95326062	95326675	-
Heatr1	MmuEX0022566	chr13	12499891	12500921	12501016	12501476	+
Heatr1	MmuEX0022567	chr13	12504503	12505492	12505675	12505779	+
Heatr1	MmuEX0022568	chr13	12506832	12507684	12507853	12508218	+
Heatr1	MmuEX0022569	chr13	12514629	12515901	12516029	12516887	+
Heatr1	MmuEX0022570	chr13	12516029	12516887	12517117	12518421	+
Heatr1	MmuEX0022571	chr13	12519189	12522034	12522080	12522408	+
Heatr1	MmuEX0022572	chr13	12488905	12491170	12491311	12493317	+
Heatr1	MmuEX0022573	chr13	12525046	12525416	12525495	12525879	+
Heatr1	MmuEX0022574	chr13	12526037	12526184	12526318	12526454	+
Heatr1	MmuEX0022575	chr13	12526558	12526641	12526809	12527314	+
Heatr1	MmuEX0022576	chr13	12491311	12493317	12493418	12493717	+
Heatr2	MmuEX0022577	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr2	MmuEX0022578	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr2	MmuEX0022579	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr2	MmuEX0022580	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr2	MmuEX0022581	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr2	MmuEX0022582	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr2	MmuEX0022583	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Heatr3	MmuEX0022584	chr8	90662056	90662174	90662346	90663791	+
Heatr3	MmuEX0022585	chr8	90685865	90688787	90688930	90690895	+
Heatr3	MmuEX0022586	chr8	90665680	90668428	90668537	90671446	+
Heatr3	MmuEX0022587	chr8	90668537	90670030	90670136	90671446	+
Heatr3	MmuEX0022588	chr8	90680726	90680952	90681034	90682028	+
Heatr3	MmuEX0022589	chr8	90682164	90685777	90685865	90688787	+
Heatr5a	MmuEX0022591	chr12	53060051	53062420	53062631	53072190	-
Heatr5a	MmuEX0022592	chr12	53046519	53048742	53048992	53050919	-
Heatr5a	MmuEX0022593	chr12	53039157	53040558	53040710	53046408	-
Heatr5a	MmuEX0022594	chr12	53000278	53006308	53006487	53010945	-
Heatr5a	MmuEX0022595	chr12	52995429	52997550	52997618	52998734	-
Heatr5a	MmuEX0022596	chr12	52994859	52995250	52995429	52997550	-

Heatr5a	MmuEX0022597	chr12	52990701	52992209	52992454	52994637	-
Heatr5a	MmuEX0022598	chr12	52985782	52988985	52989257	52989841	-
Heatr5a	MmuEX0022599	chr12	53051074	53051916	53052171	53053474	-
Heatr5a	MmuEX0022600	chr12	52989257	52989841	52989988	52990574	-
Heatr5a	MmuEX0022601	chr12	53026404	53031178	53031287	53039058	-
Heatr5a	MmuEX0022602	chr12	53058174	53059840	53060051	53062420	-
Heatr5a	MmuEX0022603	chr12	53011080	53013192	53013218	53015961	-
Heatr5a	MmuEX0022604	chr12	53016130	53019571	53019727	53021377	-
Heatr5a	MmuEX0022605	chr12	53016130	53017054	53017243	53021377	-
Heatr5b	MmuEX0022607	chr17	79230007	79230714	79230925	79233436	-
Heatr5b	MmuEX0022608	chr17	79194686	79195162	79195401	79195724	-
Heatr5b	MmuEX0022609	chr17	79173057	79180119	79180265	79187545	-
Heatr5b	MmuEX0022610	chr17	79159980	79161340	79161606	79162273	-
Heatr5b	MmuEX0022611	chr17	79220211	79220755	79220910	79223836	-
Heatr5b	MmuEX0022612	chr17	79195401	79195724	79195868	79200953	-
Heatr6	MmuEX0022613	chr11	83586102	83587372	83587494	83587924	+
Heatr6	MmuEX0022614	chr11	83588010	83589203	83589337	83590116	+
Heatr6	MmuEX0022615	chr11	83590864	83592347	83592443	83592903	+
Heatr6	MmuEX0022616	chr11	83570952	83571791	83571906	83572806	+
Heatr6	MmuEX0022617	chr11	83572920	83574401	83574502	83578388	+
Heatr6	MmuEX0022618	chr11	83574502	83578388	83578525	83579355	+
Heatr6	MmuEX0022619	chr11	83578525	83579355	83579662	83580580	+
Heatr7a	MmuEX0022620	chr15	76211006	76220461	76220557	76222811	+
Heatr7a	MmuEX0022621	chr15	76238473	76238818	76238958	76239313	+
Heatr7a	MmuEX0022622	chr15	76239405	76241988	76242068	76243332	+
Heatr7a	MmuEX0022623	chr15	76251643	76253419	76253510	76254146	+
Heatr7a	MmuEX0022624	chr15	76257646	76257942	76258086	76258332	+
Heatr7a	MmuEX0022625	chr15	76220557	76222811	76222889	76224233	+
Heatr7a	MmuEX0022626	chr15	76259131	76259583	76259690	76260218	+
Heatr7a	MmuEX0022627	chr15	76260337	76260607	76260729	76262579	+
Heatr7a	MmuEX0022628	chr15	76264588	76265113	76265217	76266200	+
Heatr7a	MmuEX0022629	chr15	76266335	76266435	76266547	76267668	+
Heatr7a	MmuEX0022630	chr15	76281638	76281777	76281965	76282235	+
Heatr7a	MmuEX0022631	chr15	76224378	76232006	76232137	76232563	+
Heatr7a	MmuEX0022632	chr15	76244762	76247726	76247848	76251570	+
Heatr7a	MmuEX0022633	chr15	76258086	76258332	76258372	76258674	+
Heatr7a	MmuEX0022634	chr15	76267820	76273680	76273834	76276946	+
Heatr7a	MmuEX0022635	chr15	76281183	76281492	76281638	76281777	+
Heatr7a	MmuEX0022636	chr15	76281965	76282235	76282390	76282474	+
Heatr7a	MmuEX0022637	chr15	76277795	76279183	76279429	76280516	+
Heatr7a	MmuEX0022638	chr15	76277795	76280516	76280653	76281069	+
Heatr7a	MmuEX0022639	chr15	76262725	76262802	76262828	76263704	+
Heatr7a	MmuEX0022640	chr15	76262725	76263704	76263826	76263968	+
Heca	MmuEX0022653	chr10	17627994	17634798	17635838	17667315	-
Hectd1	MmuEX0022654	chr12	52903421	52903522	52903803	52904656	-
Hectd1	MmuEX0022655	chr12	52899755	52901702	52901800	52901883	-
Hectd1	MmuEX0022656	chr12	52892429	52895401	52895571	52895726	-

Hectd1	MmuEX0022657	chr12	52907583	52928339	52928500	52930190	-
Hectd1	MmuEX0022658	chr12	52891235	52891339	52891602	52892207	-
Hectd1	MmuEX0022659	chr12	52904883	52907349	52907583	52928339	-
Hectd1	MmuEX0022660	chr12	52862157	52863411	52863533	52865008	-
Hectd1	MmuEX0022661	chr12	52868764	52869516	52870211	52873261	-
Hectd1	MmuEX0022662	chr12	52855409	52855908	52856090	52858034	-
Hectd3	MmuEX0022670	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Hectd3	MmuEX0022671	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Hectd3	MmuEX0022672	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Hectd3	MmuEX0022673	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Hectd3	MmuEX0022674	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Hecw2	MmuEX0022677	chr1	54007765	54097045	54097371	54251143	-
Hecw2	MmuEX0022679	chr1	53993977	53999550	53999644	54007658	-
Hecw2	MmuEX0022680	chr1	53984009	53987814	53987953	53989963	-
Heg1	MmuEX0022681	chr16	33721088	33725346	33725415	33725511	+
Heg1	MmuEX0022682	chr16	33727682	33730563	33730679	33731685	+
Heg1	MmuEX0022683	chr16	33684941	33707002	33707292	33710486	+
Heg1	MmuEX0022684	chr16	33684941	33710486	33710785	33719593	+
Heg1	MmuEX0022685	chr16	33710785	33719593	33719931	33725511	+
Heg1	MmuEX0022686	chr16	33719931	33720735	33721088	33725511	+
Heg1	MmuEX0022687	chr16	33751295	33760844	33760931	33766747	+
Heg1	MmuEX0022688	chr16	33760931	33763528	33763702	33766747	+
Helb	MmuEX0022689	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Helb	MmuEX0022690	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Helb	MmuEX0022691	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Helq	MmuEX0022701	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Helq	MmuEX0022702	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Helq	MmuEX0022703	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Helq	MmuEX0022704	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Helq	MmuEX0022705	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Helq	MmuEX0022706	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Helz	MmuEX0022707	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022708	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022709	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022710	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022711	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022712	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Helz	MmuEX0022713	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Helz	MmuEX0022714	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022715	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022716	chr11	1.07E+08	1.08E+08	1.08E+08	1.08E+08	+
Helz	MmuEX0022717	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Helz	MmuEX0022718	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022719	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022720	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022721	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Helz	MmuEX0022722	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+

Hemk1	MmuEX0022723	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Hemk1	MmuEX0022724	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Hemk1	MmuEX0022725	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Hemk1	MmuEX0022726	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Hemk1	MmuEX0022727	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Hemk1	MmuEX0022728	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Hemk1	MmuEX0022729	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Herc1	MmuEX0022735	chr9	66239294	66242467	66242611	66242735	+
Herc1	MmuEX0022736	chr9	66220548	66224124	66224219	66232800	+
Herc1	MmuEX0022737	chr9	66250522	66255791	66256012	66258823	+
Herc1	MmuEX0022738	chr9	66256012	66258823	66258996	66261882	+
Herc1	MmuEX0022739	chr9	66262206	66263991	66264162	66266203	+
Herc1	MmuEX0022740	chr9	66261996	66262086	66262206	66263991	+
Herc1	MmuEX0022741	chr9	66287713	66289710	66289886	66293260	+
Herc1	MmuEX0022742	chr9	66289886	66293260	66293499	66293892	+
Herc1	MmuEX0022743	chr9	66306232	66308215	66308339	66309507	+
Herc1	MmuEX0022744	chr9	66308339	66309507	66309727	66310636	+
Herc1	MmuEX0022745	chr9	66315780	66316785	66316990	66318045	+
Herc1	MmuEX0022746	chr9	66324240	66326752	66326898	66327238	+
Herc1	MmuEX0022747	chr9	66328842	66329611	66329904	66331464	+
Herc1	MmuEX0022748	chr9	66331529	66331685	66331810	66332706	+
Herc1	MmuEX0022749	chr9	66335714	66335756	66335878	66337137	+
Herc1	MmuEX0022750	chr9	66341101	66343707	66343876	66344976	+
Herc1	MmuEX0022752	chr9	66296339	66298534	66299285	66301144	+
Herc1	MmuEX0022753	chr9	66310904	66312513	66312565	66313188	+
Herc1	MmuEX0022754	chr9	66346563	66348983	66349235	66349737	+
Herc2	MmuEX0022755	chr7	63305672	63306226	63306318	63323354	+
Herc2	MmuEX0022756	chr7	63349808	63352747	63352935	63353705	+
Herc2	MmuEX0022757	chr7	63355811	63359098	63359349	63361709	+
Herc2	MmuEX0022758	chr7	63368892	63370072	63370250	63376915	+
Herc2	MmuEX0022759	chr7	63306318	63323354	63323468	63327663	+
Herc2	MmuEX0022760	chr7	63387942	63389966	63390180	63390401	+
Herc2	MmuEX0022761	chr7	63391051	63391957	63392090	63392591	+
Herc2	MmuEX0022762	chr7	63392090	63392591	63392764	63392839	+
Herc2	MmuEX0022763	chr7	63392764	63392839	63392975	63393090	+
Herc2	MmuEX0022764	chr7	63323468	63327663	63327800	63340359	+
Herc2	MmuEX0022765	chr7	63401321	63401907	63402099	63404009	+
Herc2	MmuEX0022766	chr7	63404191	63407813	63407994	63408414	+
Herc2	MmuEX0022767	chr7	63412372	63412661	63412928	63413018	+
Herc2	MmuEX0022768	chr7	63414842	63419112	63419280	63419379	+
Herc2	MmuEX0022769	chr7	63438093	63439312	63439402	63439676	+
Herc2	MmuEX0022770	chr7	63441349	63443931	63444156	63445174	+
Herc2	MmuEX0022771	chr7	63459914	63460004	63460122	63460682	+
Herc2	MmuEX0022772	chr7	63470814	63471217	63471356	63475075	+
Herc2	MmuEX0022773	chr7	63471356	63475075	63475262	63475847	+
Herc2	MmuEX0022774	chr7	63476044	63478280	63478363	63481889	+
Herc2	MmuEX0022775	chr7	63361902	63364056	63364256	63368415	+

Herc2	MmuEX0022776	chr7	63440077	63440163	63440334	63441205	+
Herc2	MmuEX0022777	chr7	63452579	63457471	63457578	63459146	+
Herc3	MmuEX0022778	chr6	58781926	58782396	58782530	58793598	+
Herc3	MmuEX0022779	chr6	58805026	58805732	58805808	58806587	+
Herc3	MmuEX0022780	chr6	58809077	58810246	58810406	58812967	+
Herc3	MmuEX0022781	chr6	58813043	58818636	58818760	58820148	+
Herc3	MmuEX0022782	chr6	58818760	58819575	58819742	58820148	+
Herc3	MmuEX0022783	chr6	58818760	58820148	58820207	58823728	+
Herc3	MmuEX0022784	chr6	58824394	58824861	58824944	58826483	+
Herc3	MmuEX0022785	chr6	58824394	58825495	58825626	58826483	+
Herc3	MmuEX0022786	chr6	58835151	58837402	58837572	58838614	+
Herc3	MmuEX0022787	chr6	58837572	58838614	58838757	58840062	+
Herc3	MmuEX0022788	chr6	58838757	58840062	58840228	58844042	+
Herc3	MmuEX0022789	chr6	58826646	58826762	58826875	58834944	+
Herc3	MmuEX0022790	chr6	58810406	58812967	58813043	58818636	+
Herc4	MmuEX0022791	chr10	62748476	62748765	62748889	62750267	+
Herc4	MmuEX0022792	chr10	62751989	62752514	62752647	62753252	+
Herc4	MmuEX0022793	chr10	62774662	62777235	62777317	62778408	+
Herc4	MmuEX0022794	chr10	62708873	62712702	62712834	62726774	+
Herc4	MmuEX0022795	chr10	62726933	62732376	62732452	62736199	+
Herc4	MmuEX0022796	chr10	62708196	62708570	62708873	62726774	+
Herc4	MmuEX0022797	chr10	62746089	62748400	62748476	62750267	+
Herc4	MmuEX0022798	chr10	62777317	62778408	62778591	62779448	+
Herc4	MmuEX0022799	chr10	62736420	62737745	62737836	62741083	+
Herc4	MmuEX0022800	chr10	62750326	62750646	62750757	62751800	+
Herc4	MmuEX0022801	chr10	62750757	62751891	62751989	62761868	+
Herc4	MmuEX0022802	chr10	62751989	62753252	62753424	62761868	+
Herc4	MmuEX0022803	chr10	62753424	62753928	62754031	62761868	+
Herc4	MmuEX0022804	chr10	62753424	62761868	62761987	62769096	+
Herc4	MmuEX0022805	chr10	62761987	62766593	62766616	62769096	+
Herc6	MmuEX0022806	chr6	57533326	57534544	57534620	57548423	+
Herc6	MmuEX0022807	chr6	57612243	57612337	57612439	57612694	+
Herc6	MmuEX0022808	chr6	57548650	57549959	57550053	57554067	+
Herc6	MmuEX0022809	chr6	57597166	57602026	57602163	57604383	+
Herc6	MmuEX0022810	chr6	57610155	57612060	57612243	57612337	+
Herc6	MmuEX0022811	chr6	57554194	57557036	57557172	57557628	+
Herc6	MmuEX0022812	chr6	57554194	57557628	57557701	57560797	+
Herpud1	MmuEX0022813	chr8	96914748	96915632	96915754	96916074	+
Herpud1	MmuEX0022814	chr8	96916424	96917696	96917801	96918491	+
Herpud2	MmuEX0022815	chr9	24937719	24946767	24946810	24955319	-
Herpud2	MmuEX0022816	chr9	24935096	24937642	24937719	24955319	-
Herpud2	MmuEX0022817	chr9	24929467	24934983	24935096	24937642	-
Hexa	MmuEX0022821	chr9	59387783	59395667	59395755	59401940	+
Hexa	MmuEX0022822	chr9	59402032	59403146	59403211	59404679	+
Hexa	MmuEX0022823	chr9	59405205	59405841	59405942	59407131	+
Hexa	MmuEX0022824	chr9	59409833	59410103	59410175	59410674	+
Hexb	MmuEX0022825	chr13	97961233	97964077	97964222	97967981	-

Hexdc	MmuEX0022826	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Hexdc	MmuEX0022827	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Hexdc	MmuEX0022828	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Hexdc	MmuEX0022829	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Hey2	MmuEX0022830	chr10	30557362	30560197	30560280	30560410	-
Hfe	MmuEX0022831	chr13	23800160	23800890	23800899	23802496	-
Hfe	MmuEX0022832	chr13	23798935	23799897	23800160	23802496	-
Hfe2	MmuEX0022833	chr3	96329253	96330352	96330525	96330958	+
Hgs	MmuEX0022854	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Hgs	MmuEX0022855	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Hgsnat	MmuEX0022856	chr8	27065199	27066146	27066261	27067662	-
Hhat	MmuEX0022861	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	-
Hhatl	MmuEX0022865	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Hiat1	MmuEX0022870	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Hiat1	MmuEX0022871	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Hiat1	MmuEX0022872	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Hiatl1	MmuEX0022873	chr13	65188459	65196927	65197022	65213812	-
Hiatl1	MmuEX0022874	chr13	65182835	65188397	65188459	65196927	-
Hiatl1	MmuEX0022875	chr13	65177010	65179662	65179776	65182708	-
Hiatl1	MmuEX0022876	chr13	65174935	65176294	65176407	65176792	-
Hiatl1	MmuEX0022877	chr13	65173425	65174864	65174935	65176294	-
Hiatl1	MmuEX0022878	chr13	65171049	65173313	65173425	65174864	-
Hiatl1	MmuEX0022879	chr13	65169313	65170952	65171049	65173313	-
Hibadh	MmuEX0022880	chr6	52507906	52520885	52521062	52569971	-
Hibadh	MmuEX0022881	chr6	52506508	52507773	52507906	52569971	-
Hibch	MmuEX0022882	chr1	52901988	52908612	52908745	52910512	+
Hibch	MmuEX0022883	chr1	52962296	52970575	52970694	52973481	+
Hibch	MmuEX0022884	chr1	52970694	52973481	52973514	52977107	+
Hibch	MmuEX0022885	chr1	52910554	52916872	52917009	52919112	+
Hif1a	MmuEX0022886	chr12	75029118	75029201	75029285	75031644	+
Hif1an	MmuEX0022887	chr19	44644000	44644383	44644446	44644717	+
Hif1an	MmuEX0022888	chr19	44642970	44643319	44643326	44643894	+
Higd1a	MmuEX0022895	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Higd1a	MmuEX0022896	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Higd1a	MmuEX0022897	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Hinfp	MmuEX0022899	chr9	44107875	44110493	44110670	44113699	-
Hinfp	MmuEX0022900	chr9	44107407	44107646	44107875	44110493	-
Hinfp	MmuEX0022902	chr9	44104663	44105776	44105900	44105982	-
Hinfp	MmuEX0022903	chr9	44106494	44106956	44107108	44107296	-
Hint2	MmuEX0022904	chr4	43667692	43667778	43667918	43669231	-
Hint3	MmuEX0022905	chr10	30331523	30333084	30333178	30334519	-
Hint3	MmuEX0022906	chr10	30330267	30331454	30331523	30334519	-
Hint3	MmuEX0022907	chr10	30328229	30330123	30330249	30331454	-
Hip1	MmuEX0022908	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Hip1	MmuEX0022909	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Hip1	MmuEX0022910	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Hip1	MmuEX0022911	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-

Hip1	MmuEX0022912	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Hip1	MmuEX0022913	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Hip1	MmuEX0022914	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Hip1r	MmuEX0022915	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hip1r	MmuEX0022916	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hip1r	MmuEX0022917	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hip1r	MmuEX0022918	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hip1r	MmuEX0022919	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hip1r	MmuEX0022920	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hip1r	MmuEX0022921	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Hipk1	MmuEX0022922	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hipk1	MmuEX0022923	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hipk2	MmuEX0022924	chr6	38666220	38668753	38668932	38671454	-
Hipk2	MmuEX0022925	chr6	38648595	38649251	38649414	38653438	-
Hipk3	MmuEX0022926	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hipk3	MmuEX0022927	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hipk3	MmuEX0022928	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hipk3	MmuEX0022929	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hira	MmuEX0022930	chr16	18919182	18922410	18922480	18922947	+
Hira	MmuEX0022931	chr16	18922480	18922947	18923052	18925741	+
Hira	MmuEX0022932	chr16	18923052	18924430	18924536	18925741	+
Hira	MmuEX0022933	chr16	18927616	18932961	18933155	18935111	+
Hira	MmuEX0022934	chr16	18946640	18947507	18947611	18949229	+
Hira	MmuEX0022935	chr16	18947611	18949229	18949377	18951268	+
Hira	MmuEX0022936	chr16	18949377	18951268	18951429	18951750	+
Hira	MmuEX0022937	chr16	18954210	18954703	18954866	18956262	+
Hira	MmuEX0022938	chr16	18896657	18897791	18897881	18899456	+
Hira	MmuEX0022939	chr16	18896657	18896737	18896866	18897791	+
Hira	MmuEX0022940	chr16	18894929	18895996	18896020	18896547	+
Hira	MmuEX0022941	chr16	18899550	18910741	18910836	18912139	+
Hira	MmuEX0022942	chr16	18935272	18943354	18943407	18946439	+
Hira	MmuEX0022943	chr16	18946640	18947237	18947335	18947507	+
Hira	MmuEX0022944	chr16	18951429	18951750	18951808	18952157	+
Hira	MmuEX0022945	chr16	18925956	18927531	18927616	18932961	+
Hirip3	MmuEX0022946	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Hirip3	MmuEX0022947	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Hirip3	MmuEX0022948	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Hivep1	MmuEX0022949	chr13	42259761	42262931	42263032	42276801	+
Hivep1	MmuEX0022950	chr13	42150911	42176592	42176722	42218529	+
Hivep1	MmuEX0022951	chr13	42150911	42218529	42218582	42249749	+
Hivep1	MmuEX0022952	chr13	42263032	42264610	42264678	42276801	+
Hivep2	MmuEX0022958	chr10	13853700	13859191	13859366	13862047	+
Hjurp	MmuEX0022964	chr1	90164601	90169304	90169340	90171603	-
Hjurp	MmuEX0022965	chr1	90164601	90166777	90166874	90171603	-
Hjurp	MmuEX0022966	chr1	90164601	90165896	90165981	90171603	-
Hjurp	MmuEX0022967	chr1	90163233	90164523	90164601	90165896	-
Hk1	MmuEX0022968	chr10	61762017	61767468	61767616	61778134	-

Hk1	MmuEX0022969	chr10	61753141	61754723	61754791	61755062	-
Hk2	MmuEX0022971	chr6	82693361	82693939	82694034	82694856	-
Hk2	MmuEX0022972	chr6	82699331	82710098	82710260	82723912	-
Hkdc1	MmuEX0022978	chr10	61866395	61868173	61868356	61871363	-
Hlcs	MmuEX0022979	chr16	94356369	94360415	94360575	94362955	-
Hlcs	MmuEX0022980	chr16	94452942	94484199	94484381	94488983	-
Hltf	MmuEX0022985	chr3	19982955	19983750	19983830	19986096	+
Hltf	MmuEX0022986	chr3	19983830	19984150	19984217	19986096	+
Hltf	MmuEX0022987	chr3	19959106	19963818	19963984	19964566	+
Hltf	MmuEX0022988	chr3	19964699	19965322	19965419	19967346	+
Hltf	MmuEX0022990	chr3	19992816	19999776	19999955	20005645	+
Hltf	MmuEX0022991	chr3	19999955	20005645	20005769	20006354	+
Hlx	MmuEX0022992	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
Hlx	MmuEX0022993	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
Hmbox1	MmuEX0022994	chr14	65444532	65445609	65445704	65447423	-
Hmbox1	MmuEX0022995	chr14	65442535	65444103	65444207	65444438	-
Hmbox1	MmuEX0022996	chr14	65435426	65435588	65435726	65435854	-
Hmbox1	MmuEX0022997	chr14	65432256	65435323	65435426	65435588	-
Hmbox1	MmuEX0022998	chr14	65442535	65444196	65444207	65444438	-
Hmbox1	MmuEX0022999	chr14	65432256	65435854	65435973	65444438	-
Hmbox1	MmuEX0023000	chr14	65480463	65506412	65506497	65515487	-
Hmbox1	MmuEX0023001	chr14	65515963	65522076	65522155	65568410	-
Hmbs	MmuEX0023002	chr9	44148848	44149159	44149214	44149298	-
Hmcn2	MmuEX0023015	chr2	31309140	31310148	31310210	31310325	+
Hmcn2	MmuEX0023017	chr2	31308467	31308563	31308684	31308903	+
Hmcn2	MmuEX0023018	chr2	31310447	31311012	31311146	31315570	+
Hmcn2	MmuEX0023019	chr2	31311146	31312580	31312708	31315570	+
Hmcn2	MmuEX0023020	chr2	31310447	31313253	31313573	31315570	+
Hmcn2	MmuEX0023021	chr2	31313573	31314204	31314323	31314601	+
Hmcn2	MmuEX0023022	chr2	31310447	31314601	31314727	31315570	+
Hmg20a	MmuEX0023023	chr9	56336636	56337629	56337771	56342340	+
Hmg20b	MmuEX0023024	chr10	80809222	80809305	80809437	80809586	-
Hmg20b	MmuEX0023025	chr10	80810307	80810731	80810777	80811241	-
Hmga1	MmuEX0023026	chr17	27693694	27693897	27694011	27696478	+
Hmgcl	MmuEX0023032	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hmgcl	MmuEX0023033	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hmgcl	MmuEX0023034	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hmgcl	MmuEX0023035	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hmgcl	MmuEX0023036	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hmgcr	MmuEX0023041	chr13	97425662	97425809	97425967	97426518	-
Hmgcr	MmuEX0023042	chr13	97420588	97420965	97421119	97421811	-
Hmgcr	MmuEX0023043	chr13	97425967	97426518	97426712	97428538	-
Hmgcr	MmuEX0023044	chr13	97428713	97429849	97429965	97436476	-
Hmgcr	MmuEX0023045	chr13	97428713	97429172	97429332	97436476	-
Hmgcs2	MmuEX0023046	chr3	98084510	98094810	98095264	98100059	+
Hmgn3	MmuEX0023047	chr9	83004036	83004641	83004709	83005827	-
Hmgn3	MmuEX0023048	chr9	83004036	83004439	83004481	83004600	-

Hmgxb3	MmuEX0023049	chr18	61310172	61311839	61311937	61314682	-
Hmgxb3	MmuEX0023050	chr18	61322682	61325139	61325237	61326850	-
Hmgxb3	MmuEX0023051	chr18	61317415	61322551	61322682	61325139	-
Hmgxb3	MmuEX0023052	chr18	61317415	61318812	61318866	61322551	-
Hmgxb3	MmuEX0023053	chr18	61325237	61326994	61327347	61330862	-
Hmgxb3	MmuEX0023054	chr18	61297276	61301313	61301444	61306083	-
Hmgxb3	MmuEX0023055	chr18	61297276	61300445	61300624	61306083	-
Hmgxb3	MmuEX0023056	chr18	61296014	61297057	61297276	61300445	-
Hmgxb3	MmuEX0023057	chr18	61315086	61317269	61317415	61322551	-
Hmgxb3	MmuEX0023058	chr18	61315086	61316997	61317172	61322551	-
Hmgxb4	MmuEX0023059	chr8	77548066	77553387	77553509	77553888	+
Hmgxb4	MmuEX0023060	chr8	77517648	77522734	77522837	77523459	+
Hmgxb4	MmuEX0023061	chr8	77517648	77523459	77523607	77544143	+
Hmgxb4	MmuEX0023062	chr8	77517648	77523712	77523790	77544143	+
Hmgxb4	MmuEX0023063	chr8	77523790	77523898	77524012	77524549	+
Hmgxb4	MmuEX0023064	chr8	77517648	77524549	77525483	77544143	+
Hmha1	MmuEX0023065	chr10	79484200	79484291	79484428	79484540	+
Hmha1	MmuEX0023066	chr10	79484604	79484822	79484932	79485020	+
Hmha1	MmuEX0023067	chr10	79489302	79489402	79489479	79489568	+
Hmha1	MmuEX0023068	chr10	79489950	79490284	79490472	79490566	+
Hmox2	MmuEX0023075	chr16	4765097	4765763	4765889	4765978	+
Hmox2	MmuEX0023076	chr16	4726471	4762559	4762677	4764606	+
Hmox2	MmuEX0023077	chr16	4726471	4763729	4763846	4764606	+
Hn1l	MmuEX0023079	chr17	25085725	25092963	25093111	25097513	-
Hn1l	MmuEX0023080	chr17	25081623	25082525	25082573	25085583	-
Hnmt	MmuEX0023085	chr2	23864622	23869736	23869869	23874622	-
Hnmt	MmuEX0023086	chr2	23859474	23864529	23864622	23869736	-
Hnrnpa1	MmuEX0023087	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Hnrnpa1	MmuEX0023088	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Hnrnpa2b1	MmuEX0023089	chr6	51417294	51417390	51417425	51419670	-
Hnrnpa2b1	MmuEX0023090	chr6	51411432	51412338	51412563	51413410	-
Hnrnpa2b1	MmuEX0023091	chr6	51411432	51411982	51412054	51413410	-
Hnrnpa2b1	MmuEX0023092	chr6	51414210	51414427	51414546	51415178	-
Hnrnpab	MmuEX0023097	chr11	51414980	51415252	51415392	51416095	-
Hnrnpd	MmuEX0023099	chr5	1E+08	1E+08	1E+08	1E+08	-
Hnrnpd	MmuEX0023100	chr5	1E+08	1E+08	1E+08	1E+08	-
Hnrnpd	MmuEX0023101	chr5	1E+08	1E+08	1E+08	1E+08	-
Hnrnpf	MmuEX0023102	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Hnrnp1	MmuEX0023105	chr11	50193125	50193323	50193466	50194961	+
Hnrnp1	MmuEX0023107	chr11	50193466	50194961	50195099	50196039	+
Hnrnp1	MmuEX0023108	chr11	50198238	50198643	50198692	50199279	+
Hnrnp1	MmuEX0023109	chr11	50197271	50197333	50197392	50198146	+
Hnrnp2	MmuEX0023110	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Hnrnp2	MmuEX0023111	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Hnrnp3	MmuEX0023112	chr10	62482275	62482963	62483048	62486468	-
Hnrnp3	MmuEX0023113	chr10	62478642	62478828	62478923	62479155	-
Hnrnp3	MmuEX0023114	chr10	62479290	62479970	62480085	62480272	-

Hnrnph3	MmuEX0023115	chr10	62480973	62481508	62481646	62482141	-
Hnrnpl	MmuEX0023116	chr7	29603551	29603663	29603943	29605172	+
Hnrnpl	MmuEX0023117	chr7	29600371	29603480	29603551	29603663	+
Hnrnpl	MmuEX0023118	chr7	29593878	29595691	29596187	29598298	+
Hnrnpl	MmuEX0023119	chr7	29600371	29602354	29602423	29603480	+
Hnrnpm	MmuEX0023120	chr17	33801579	33802437	33802590	33803439	-
Hnrnpm	MmuEX0023121	chr17	33803474	33803592	33803630	33805930	-
Hnrnpm	MmuEX0023122	chr17	33795410	33795845	33795859	33797158	-
Hnrnpm	MmuEX0023123	chr17	33802590	33803439	33803474	33803592	-
Hnrnpm	MmuEX0023124	chr17	33787342	33789218	33789271	33795333	-
Hnrnpm	MmuEX0023125	chr17	33785809	33786540	33787342	33789218	-
Hnrnpm	MmuEX0023126	chr17	33806121	33807026	33807078	33814219	-
Hnrnpr	MmuEX0023127	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hnrnpr	MmuEX0023128	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hnrnpr	MmuEX0023129	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hnrnpr	MmuEX0023130	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Hnrnpu	MmuEX0023131	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Hnrnpu	MmuEX0023132	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Hnrnpu	MmuEX0023133	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Hnrnpul1	MmuEX0023134	chr7	26511922	26517406	26517457	26518035	-
Hnrnpul1	MmuEX0023135	chr7	26511233	26511754	26511922	26518035	-
Hnrnpul1	MmuEX0023136	chr7	26530251	26531367	26531440	26533342	-
Hnrnpul1	MmuEX0023137	chr7	26519844	26525847	26525959	26527946	-
Hnrnpul2	MmuEX0023138	chr19	8899883	8900462	8900590	8901134	+
Hnrnpul2	MmuEX0023139	chr19	8904440	8905378	8905451	8905715	+
Hnrnpul2	MmuEX0023140	chr19	8898159	8898341	8898446	8898711	+
Hnrnpul2	MmuEX0023141	chr19	8895303	8897294	8897429	8897720	+
Hnrpdl	MmuEX0023143	chr5	1E+08	1E+08	1E+08	1E+08	-
Hnrpdl	MmuEX0023144	chr5	1E+08	1E+08	1E+08	1E+08	-
Hnrpll	MmuEX0023145	chr17	80434792	80434877	80435008	80437932	-
Hnrpll	MmuEX0023146	chr17	80443905	80444280	80444362	80447948	-
Hnrpll	MmuEX0023147	chr17	80438149	80443834	80443905	80447948	-
Homer1	MmuEX0023152	chr13	94116655	94119160	94119252	94125895	+
Homer1	MmuEX0023153	chr13	94119252	94125895	94126034	94157479	+
Homer1	MmuEX0023154	chr13	94126034	94156300	94156335	94157479	+
Homer1	MmuEX0023155	chr13	94156335	94157479	94157635	94161646	+
Homer2	MmuEX0023156	chr7	88781378	88794440	88794596	88851645	-
Homer2	MmuEX0023157	chr7	88759385	88763462	88763568	88769138	-
Homer3	MmuEX0023158	chr8	72806999	72809133	72809214	72809293	+
Homer3	MmuEX0023159	chr8	72809961	72813293	72813400	72813951	+
Homer3	MmuEX0023160	chr8	72809214	72809293	72809449	72809830	+
Homer3	MmuEX0023161	chr8	72815062	72815217	72815327	72816874	+
Homer3	MmuEX0023162	chr8	72815062	72815425	72815502	72816874	+
Hook1	MmuEX0023163	chr4	95634247	95638207	95638298	95641077	+
Hook1	MmuEX0023164	chr4	95684379	95686294	95686395	95688259	+
Hook1	MmuEX0023165	chr4	95686395	95686884	95686942	95688259	+
Hook1	MmuEX0023166	chr4	95658890	95659757	95659889	95662455	+

Hook1	MmuEX0023167	chr4	95665469	95667861	95668027	95669135	+
Hook1	MmuEX0023168	chr4	95676080	95676160	95676220	95679889	+
Hook1	MmuEX0023169	chr4	95681592	95682356	95682399	95683100	+
Hook1	MmuEX0023170	chr4	95681592	95683100	95683134	95684279	+
Hook1	MmuEX0023171	chr4	95681592	95683634	95683716	95684279	+
Hook2	MmuEX0023172	chr8	87517541	87517887	87517949	87518360	+
Hook2	MmuEX0023173	chr8	87518915	87519635	87519836	87520854	+
Hook2	MmuEX0023174	chr8	87522190	87522389	87522423	87525054	+
Hook2	MmuEX0023175	chr8	87522190	87522285	87522290	87522389	+
Hook2	MmuEX0023176	chr8	87520964	87521063	87521150	87521278	+
Hook2	MmuEX0023177	chr8	87515348	87517083	87517133	87517432	+
Hook2	MmuEX0023178	chr8	87517133	87517223	87517355	87517432	+
Hook3	MmuEX0023179	chr8	27154746	27158724	27158811	27169712	-
Hook3	MmuEX0023180	chr8	27150223	27154712	27154746	27158724	-
Hook3	MmuEX0023181	chr8	27198664	27202826	27202980	27204129	-
Hook3	MmuEX0023182	chr8	27181670	27182729	27182892	27184072	-
Hook3	MmuEX0023183	chr8	27154746	27156378	27156383	27158724	-
Hook3	MmuEX0023184	chr8	27178409	27179031	27179141	27180546	-
Hopx	MmuEX0023185	chr5	77524047	77524181	77524430	77524830	-
Hp1bp3	MmuEX0023201	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Hp1bp3	MmuEX0023202	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Hp1bp3	MmuEX0023203	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Hp1bp3	MmuEX0023204	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Hp1bp3	MmuEX0023205	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Hpcal1	MmuEX0023210	chr12	17697852	17774020	17774105	17792953	+
Hpcal1	MmuEX0023211	chr12	17793354	17794351	17794456	17797913	+
Hpn	MmuEX0023215	chr7	31884667	31884825	31884920	31887497	-
Hpn	MmuEX0023216	chr7	31884092	31884234	31884398	31884525	-
Hpn	MmuEX0023218	chr7	31895792	31899697	31899763	31900155	-
Hprt	MmuEX0023220	chrX	50341427	50345893	50346002	50352268	+
Hprt	MmuEX0023221	chrX	50346002	50350207	50350324	50352268	+
Hprt	MmuEX0023222	chrX	50355448	50360858	50360898	50361830	+
Hprt	MmuEX0023223	chrX	50341427	50352268	50352374	50361830	+
Hps1	MmuEX0023227	chr19	42840472	42840620	42840706	42841176	-
Hps3	MmuEX0023228	chr3	19925920	19928960	19929045	19929147	-
Hps3	MmuEX0023229	chr3	19922839	19925731	19925920	19928960	-
Hps3	MmuEX0023230	chr3	19919957	19920708	19920800	19922758	-
Hps3	MmuEX0023231	chr3	19925920	19928388	19928513	19928960	-
Hps3	MmuEX0023232	chr3	19930409	19930559	19930805	19935049	-
Hps3	MmuEX0023233	chr3	19903431	19908815	19908922	19910800	-
Hps3	MmuEX0023234	chr3	19918919	19922758	19922839	19925731	-
Hps3	MmuEX0023235	chr3	19918919	19919803	19919957	19922758	-
Hps4	MmuEX0023236	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Hps4	MmuEX0023237	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Hps5	MmuEX0023239	chr7	54022577	54023403	54023522	54024307	-
Hps5	MmuEX0023240	chr7	54023522	54024307	54024462	54024663	-
Hps5	MmuEX0023241	chr7	54027551	54027842	54027913	54028490	-

Hps5	MmuEX0023243	chr7	54032404	54033391	54033470	54034442	-
Hps5	MmuEX0023244	chr7	54038584	54038841	54039053	54041880	-
Hps5	MmuEX0023245	chr7	54018583	54020189	54020295	54022464	-
Hps5	MmuEX0023246	chr7	54016820	54018313	54018583	54020189	-
Hr	MmuEX0023257	chr14	70963489	70965109	70965190	70965836	+
Hr	MmuEX0023258	chr14	70966353	70966587	70966752	70966956	+
Hr	MmuEX0023260	chr14	70967025	70967309	70967439	70967583	+
Hras1	MmuEX0023261	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Hrasls	MmuEX0023262	chr16	29210395	29216735	29216902	29217698	+
Hrasls	MmuEX0023263	chr16	29217836	29220395	29220660	29228222	+
Hrsp12	MmuEX0023266	chr15	34415410	34416366	34416434	34417497	-
Hs1bp3	MmuEX0023268	chr12	8324756	8328325	8328532	8330676	+
Hs1bp3	MmuEX0023269	chr12	8324756	8330676	8330907	8343044	+
Hs2st1	MmuEX0023270	chr3	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Hs2st1	MmuEX0023271	chr3	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Hs3st5	MmuEX0023273	chr10	36227421	36348051	36348216	36421736	+
Hs3st5	MmuEX0023274	chr10	36348216	36421736	36421840	36548477	+
Hsbp1	MmuEX0023279	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Hscb	MmuEX0023280	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Hscb	MmuEX0023281	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Hsd17b10	MmuEX0023284	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Hsd17b11	MmuEX0023285	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Hsd17b12	MmuEX0023286	chr2	93923431	93955150	93955225	93957587	-
Hsd17b12	MmuEX0023287	chr2	93906630	93923324	93923431	93955150	-
Hsd17b12	MmuEX0023288	chr2	93892445	93905711	93905755	93906566	-
Hsd17b4	MmuEX0023298	chr18	50326589	50330374	50330445	50331682	+
Hsd17b4	MmuEX0023299	chr18	50300053	50302124	50302145	50302247	+
Hsd17b7	MmuEX0023304	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Hsd17b7	MmuEX0023305	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Hsd17b7	MmuEX0023306	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Hsd17b7	MmuEX0023307	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Hsd3b7	MmuEX0023312	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Hsd3b7	MmuEX0023313	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Hsd3b7	MmuEX0023314	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Hsd11	MmuEX0023315	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Hsd11	MmuEX0023316	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Hsd11	MmuEX0023317	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Hsd11	MmuEX0023318	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Hsd12	MmuEX0023319	chr4	59614439	59619344	59619415	59623382	+
Hsd12	MmuEX0023320	chr4	59619415	59623382	59623747	59625554	+
Hsd12	MmuEX0023321	chr4	59625682	59626276	59626375	59630507	+
Hsd12	MmuEX0023322	chr4	59607382	59608046	59608191	59609735	+
Hsd12	MmuEX0023323	chr4	59594647	59599192	59599289	59605027	+
Hsd12	MmuEX0023324	chr4	59594647	59605031	59605190	59614245	+
Hsd12	MmuEX0023325	chr4	59605190	59606109	59606207	59607268	+
Hsd12	MmuEX0023326	chr4	59594647	59607268	59607382	59614245	+
Hsd12	MmuEX0023327	chr4	59594647	59609735	59609838	59614245	+

Hsd12	MmuEX0023328	chr4	59594647	59610129	59610227	59614245	+
Hsd12	MmuEX0023329	chr4	59610227	59614245	59614439	59619344	+
Hsf1	MmuEX0023330	chr15	76329121	76329562	76329645	76330378	+
Hsf1	MmuEX0023331	chr15	76330483	76330561	76330626	76330697	+
Hsf1	MmuEX0023332	chr15	76326508	76326883	76327019	76328198	+
Hsf1	MmuEX0023333	chr15	76327019	76327266	76327390	76328049	+
Hsf1	MmuEX0023334	chr15	76326508	76328049	76328124	76328198	+
Hsf1	MmuEX0023335	chr15	76328345	76328382	76328478	76328852	+
Hsf1	MmuEX0023336	chr15	76328478	76328584	76328720	76328852	+
Hsf2	MmuEX0023337	chr10	57206407	57210664	57210735	57215704	+
Hsf2	MmuEX0023338	chr10	57216088	57217303	57217427	57219222	+
Hsf2	MmuEX0023339	chr10	57219297	57221176	57221237	57222429	+
Hsf2	MmuEX0023340	chr10	57225188	57226003	57226108	57231250	+
Hsf2	MmuEX0023341	chr10	57226108	57228867	57228920	57231250	+
Hsf2	MmuEX0023342	chr10	57226108	57231250	57231334	57231709	+
Hsf4	MmuEX0023346	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Hsf4	MmuEX0023347	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Hsp90b1	MmuEX0023353	chr10	86155209	86156122	86156258	86156659	-
Hsp90b1	MmuEX0023354	chr10	86155040	86155131	86155209	86156122	-
Hsp90b1	MmuEX0023355	chr10	86153873	86154374	86154493	86154885	-
Hsp90b1	MmuEX0023356	chr10	86158708	86159464	86159580	86161064	-
Hspa12a	MmuEX0023357	chr19	58902170	58902743	58902828	58935337	-
Hspa12b	MmuEX0023363	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Hspa12b	MmuEX0023364	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Hspa12b	MmuEX0023365	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Hspa13	MmuEX0023366	chr16	75758693	75758877	75758972	75759660	-
Hspa14	MmuEX0023367	chr2	3409005	3410460	3410525	3411770	-
Hspa14	MmuEX0023368	chr2	3408382	3408793	3409005	3411770	-
Hspa14	MmuEX0023369	chr2	3415455	3416479	3416583	3418320	-
Hspa14	MmuEX0023370	chr2	3420057	3428287	3428369	3428446	-
Hspa4	MmuEX0023371	chr11	53102666	53105759	53105816	53113562	-
Hspa4	MmuEX0023372	chr11	53082087	53083190	53083371	53084448	-
Hspa4	MmuEX0023373	chr11	53102666	53105210	53105323	53105759	-
Hspa4	MmuEX0023374	chr11	53100477	53102526	53102666	53105759	-
Hspa4	MmuEX0023375	chr11	53097701	53100355	53100477	53102526	-
Hspa4	MmuEX0023376	chr11	53094214	53097031	53097164	53097602	-
Hspa4l	MmuEX0023377	chr3	40564385	40564704	40564837	40570734	+
Hspa5	MmuEX0023378	chr2	34627666	34627749	34627966	34628079	+
Hspa9	MmuEX0023380	chr18	35112137	35112331	35112389	35113824	-
Hspa9	MmuEX0023381	chr18	35111059	35112050	35112137	35112331	-
Hspb11	MmuEX0023382	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Hspb11	MmuEX0023383	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Hspb11	MmuEX0023384	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Hspbap1	MmuEX0023385	chr16	35770625	35787276	35787461	35801623	+
Hspbap1	MmuEX0023386	chr16	35814140	35814416	35814495	35817238	+
Hspbap1	MmuEX0023387	chr16	35817409	35818765	35818848	35824775	+
Hspbap1	MmuEX0023388	chr16	35787461	35801623	35801804	35814004	+

Hspbp1	MmuEX0023389	chr16	35801804	35806300	35806500	35814001	+
Hspbp1	MmuEX0023390	chr7	4629533	4633446	4633650	4635874	-
Hspbp1	MmuEX0023391	chr7	4615094	4615816	4615874	4616122	-
Hspg2	MmuEX0023394	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023395	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023396	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023397	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023398	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023399	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023400	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023401	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023402	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023403	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023404	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023405	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023406	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023407	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023408	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023409	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023410	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023411	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023412	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023413	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023414	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023415	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023416	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023417	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023418	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hspg2	MmuEX0023419	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Hsph1	MmuEX0023420	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Hsph1	MmuEX0023421	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Hsph1	MmuEX0023422	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Htatip2	MmuEX0023423	chr7	57014681	57014912	57015163	57017430	+
Htatsf1	MmuEX0023424	chrX	54309831	54310068	54310246	54312063	+
Htra1	MmuEX0023439	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Htra1	MmuEX0023440	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Htra2	MmuEX0023441	chr6	83003064	83003323	83003517	83003607	-
Htra2	MmuEX0023442	chr6	83002536	83002692	83002797	83003032	-
Htt	MmuEX0023444	chr5	35162948	35164360	35164499	35166510	+
Htt	MmuEX0023445	chr5	35166573	35167007	35167107	35167464	+
Htt	MmuEX0023446	chr5	35167610	35168596	35168716	35169904	+
Htt	MmuEX0023447	chr5	35172528	35175216	35175342	35176910	+
Htt	MmuEX0023448	chr5	35188716	35190103	35190326	35191380	+
Htt	MmuEX0023449	chr5	35190326	35191380	35191458	35191586	+
Htt	MmuEX0023450	chr5	35191458	35191586	35191747	35193868	+
Htt	MmuEX0023451	chr5	35194880	35195409	35195545	35197324	+
Htt	MmuEX0023452	chr5	35197440	35206895	35207017	35207295	+

Htt	MmuEX0023453	chr5	35209366	35213359	35213566	35218555	+
Htt	MmuEX0023454	chr5	35222575	35225499	35225712	35226621	+
Htt	MmuEX0023455	chr5	35225712	35226621	35226766	35228001	+
Htt	MmuEX0023456	chr5	35226766	35227659	35227749	35228001	+
Htt	MmuEX0023457	chr5	35228178	35229154	35229249	35231979	+
Htt	MmuEX0023458	chr5	35248077	35248180	35248393	35248748	+
Htt	MmuEX0023459	chr5	35149426	35150518	35150565	35154084	+
Htt	MmuEX0023460	chr5	35150565	35154084	35154164	35155501	+
Htt	MmuEX0023461	chr5	35125474	35132916	35133036	35136754	+
Htt	MmuEX0023462	chr5	35177037	35185440	35185550	35188639	+
Htt	MmuEX0023463	chr5	35219558	35219674	35219850	35220077	+
Hus1	MmuEX0023467	chr11	8898759	8900080	8900179	8905992	-
Hus1	MmuEX0023468	chr11	8910420	8910500	8910627	8911062	-
Hus1	MmuEX0023469	chr11	8907607	8910244	8910420	8910500	-
Huwe1	MmuEX0023470	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023471	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023472	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023473	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023474	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023475	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023476	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023477	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023478	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023479	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023480	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023481	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023482	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023483	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023484	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023485	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023486	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023487	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023488	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023489	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023490	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023493	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023494	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023495	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023496	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023497	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023498	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Huwe1	MmuEX0023499	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Hyal2	MmuEX0023500	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Hyal2	MmuEX0023501	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Hyi	MmuEX0023510	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Hyi	MmuEX0023511	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Hyou1	MmuEX0023515	chr9	44192384	44192520	44192654	44192745	+

Hyou1	MmuEX0023516	chr9	44193388	44193650	44193788	44195115	+
lah1	MmuEX0023522	chr12	21325792	21326588	21326698	21327195	+
lah1	MmuEX0023523	chr12	21322461	21323237	21323289	21323759	+
lah1	MmuEX0023524	chr12	21323907	21325631	21325792	21327195	+
lah1	MmuEX0023525	chr12	21325792	21327195	21327316	21329150	+
lars	MmuEX0023526	chr13	49777572	49780247	49780336	49782755	+
lars	MmuEX0023527	chr13	49802174	49803775	49803848	49804948	+
lars	MmuEX0023528	chr13	49803848	49804948	49805142	49807119	+
lars	MmuEX0023529	chr13	49786980	49788393	49788540	49794997	+
lars2	MmuEX0023530	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
lars2	MmuEX0023531	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
lars2	MmuEX0023532	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
lbtck	MmuEX0023533	chr9	85607325	85607795	85607855	85608906	-
lbtck	MmuEX0023534	chr9	85620340	85622013	85622193	85622283	-
lbtck	MmuEX0023535	chr9	85614953	85617654	85617831	85620217	-
lbtck	MmuEX0023536	chr9	85614953	85615882	85616056	85617654	-
lca1	MmuEX0023537	chr6	8620792	8622298	8622423	8687017	-
lca1	MmuEX0023538	chr6	8609988	8617197	8617363	8620694	-
lca1	MmuEX0023540	chr6	8603692	8606362	8606408	8608220	-
lca1	MmuEX0023541	chr6	8580797	8593973	8594242	8603497	-
lca1	MmuEX0023542	chr6	8603535	8603630	8603692	8606362	-
lca1	MmuEX0023543	chr6	8594242	8603497	8603535	8608220	-
lca1	MmuEX0023546	chr6	8704751	8708366	8708458	8728072	-
lcam1	MmuEX0023551	chr9	20823623	20829988	20830302	20830756	+
lcam1	MmuEX0023552	chr9	20831043	20831522	20831779	20831876	+
lcam2	MmuEX0023553	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
lcam2	MmuEX0023554	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
lck	MmuEX0023556	chr9	77961262	77979102	77979378	77983403	+
lck	MmuEX0023557	chr9	77957830	77961126	77961262	77979102	+
lck	MmuEX0023558	chr9	77961262	77966155	77966277	77979102	+
lck	MmuEX0023559	chr9	77979378	77983403	77983457	77987783	+
lck	MmuEX0023560	chr9	77989080	77998336	77998468	78001372	+
lcmt	MmuEX0023561	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
lcmt	MmuEX0023562	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
lcosl	MmuEX0023563	chr10	77532280	77532391	77532541	77533906	+
lcosl	MmuEX0023564	chr10	77538099	77539511	77539718	77539889	+
lcosl	MmuEX0023565	chr10	77534024	77534483	77534836	77536452	+
lcosl	MmuEX0023566	chr10	77536745	77537950	77538099	77539889	+
lct1	MmuEX0023567	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
lct1	MmuEX0023568	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
lde	MmuEX0023569	chr19	37365304	37370373	37370455	37372542	-
lde	MmuEX0023570	chr19	37351066	37352231	37352503	37355075	-
lde	MmuEX0023571	chr19	37388562	37389324	37389486	37389895	-
lde	MmuEX0023572	chr19	37386653	37388000	37388091	37388470	-
lde	MmuEX0023573	chr19	37352503	37355075	37355242	37358611	-
lde	MmuEX0023574	chr19	37362698	37365160	37365304	37370373	-
lde	MmuEX0023575	chr19	37362698	37364534	37364678	37370373	-

ldh1	MmuEX0023577	chr1	65221942	65225564	65225986	65226337	-
ldh1	MmuEX0023578	chr1	65221942	65228202	65228272	65232879	-
ldh2	MmuEX0023579	chr7	87248099	87255801	87255935	87260048	-
ldh2	MmuEX0023580	chr7	87245794	87248008	87248099	87260048	-
ldh2	MmuEX0023581	chr7	87240599	87240685	87240782	87240909	-
ldh2	MmuEX0023582	chr7	87244044	87245629	87245794	87248008	-
ldh2	MmuEX0023583	chr7	87243158	87243657	87243800	87243884	-
ldh2	MmuEX0023584	chr7	87241021	87242058	87242096	87242690	-
ldh2	MmuEX0023585	chr7	87242841	87243022	87243158	87243657	-
ldh3a	MmuEX0023586	chr9	54434350	54437665	54437727	54440201	+
ldh3a	MmuEX0023587	chr9	54440284	54442973	54443087	54443809	+
ldh3b	MmuEX0023588	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
ldh3b	MmuEX0023589	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
ldh3g	MmuEX0023590	chrX	71025654	71025913	71026046	71026237	-
ldh3g	MmuEX0023591	chrX	71027128	71027345	71027442	71027637	-
ldh3g	MmuEX0023592	chrX	71027442	71027637	71027648	71028014	-
lds	MmuEX0023595	chrX	67611612	67613124	67613324	67614218	-
lds	MmuEX0023596	chrX	67606445	67611442	67611612	67613124	-
lds	MmuEX0023597	chrX	67606445	67609294	67609422	67611442	-
ldua	MmuEX0023598	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
ldua	MmuEX0023599	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
ldua	MmuEX0023600	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
ldua	MmuEX0023601	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
ler3ip1	MmuEX0023602	chr18	77168955	77169363	77169498	77178307	+
lffo1	MmuEX0023603	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo1	MmuEX0023604	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo1	MmuEX0023605	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo1	MmuEX0023606	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo1	MmuEX0023607	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo1	MmuEX0023608	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo1	MmuEX0023609	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
lffo2	MmuEX0023610	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
lfi203	MmuEX0023612	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	-
lfi27l1	MmuEX0023613	chr12	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
lfi27l1	MmuEX0023614	chr12	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
lfi27l1	MmuEX0023615	chr12	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
lfi27l2a	MmuEX0023616	chr12	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
lfi30	MmuEX0023617	chr8	73288693	73288819	73289001	73290408	-
lfi30	MmuEX0023618	chr8	73287778	73287975	73288051	73288446	-
lfi30	MmuEX0023619	chr8	73289001	73290101	73290203	73290408	-
lfi35	MmuEX0023620	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
lfi35	MmuEX0023621	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
lfi35	MmuEX0023622	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
lfi44	MmuEX0023623	chr3	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
lfi44	MmuEX0023624	chr3	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
lfi44	MmuEX0023625	chr3	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
lfih1	MmuEX0023626	chr2	62439608	62441477	62441626	62443498	-

lfih1	MmuEX0023627	chr2	62437033	62439447	62439608	62441477	-
lfih1	MmuEX0023628	chr2	62448715	62449767	62449977	62455318	-
lfih1	MmuEX0023629	chr2	62447358	62448498	62448715	62449767	-
lfih1	MmuEX0023630	chr2	62444513	62445030	62445153	62447242	-
lfih1	MmuEX0023631	chr2	62461554	62473113	62473259	62477387	-
lfnar1	MmuEX0023638	chr16	91500234	91500923	91501156	91501867	+
lfnar1	MmuEX0023639	chr16	91496506	91496657	91496752	91499649	+
lfnar1	MmuEX0023640	chr16	91502014	91503630	91503772	91505300	+
lfnar1	MmuEX0023641	chr16	91490064	91492876	91493054	91495394	+
lfnar1	MmuEX0023642	chr16	91496506	91498818	91498878	91499649	+
lfnar2	MmuEX0023644	chr16	91394158	91399463	91399590	91403955	+
lfnar2	MmuEX0023645	chr16	91385269	91386187	91386310	91388189	+
lfngr1	MmuEX0023646	chr10	19317336	19318845	19318943	19321126	+
lfngr2	MmuEX0023647	chr16	91560370	91560790	91560949	91561865	+
lfngr2	MmuEX0023648	chr16	91547477	91555193	91555325	91558130	+
lfngr2	MmuEX0023649	chr16	91547477	91558130	91558323	91560222	+
lfrd1	MmuEX0023650	chr12	40939704	40939796	40939846	40940565	-
lfrd1	MmuEX0023651	chr12	40933710	40938897	40939005	40939526	-
lft122	MmuEX0023653	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023654	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023655	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023656	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023658	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023659	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023660	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023661	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023662	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft122	MmuEX0023664	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lft140	MmuEX0023670	chr17	25153849	25155706	25155883	25157463	+
lft140	MmuEX0023672	chr17	25229440	25229713	25229925	25230008	+
lft140	MmuEX0023675	chr17	25230174	25231585	25231726	25235674	+
lft140	MmuEX0023677	chr17	25157684	25162749	25162891	25169030	+
lft140	MmuEX0023678	chr17	25157684	25165749	25165924	25169030	+
lft172	MmuEX0023679	chr5	31583142	31583335	31583388	31583717	-
lft172	MmuEX0023680	chr5	31578392	31579242	31579354	31582792	-
lft172	MmuEX0023681	chr5	31563876	31564204	31564297	31565293	-
lft172	MmuEX0023682	chr5	31559767	31559890	31559999	31560187	-
lft172	MmuEX0023683	chr5	31559044	31559262	31559348	31559704	-
lft172	MmuEX0023684	chr5	31556341	31556592	31556690	31556775	-
lft172	MmuEX0023685	chr5	31574120	31574360	31574496	31578225	-
lft172	MmuEX0023686	chr5	31555797	31556188	31556341	31556592	-
lft172	MmuEX0023687	chr5	31555797	31555926	31556017	31556592	-
lft20	MmuEX0023688	chr11	78350078	78352012	78352240	78352336	+
lft20	MmuEX0023689	chr11	78352240	78352336	78352464	78353462	+
lft27	MmuEX0023690	chr15	77997559	77997734	77997881	77998343	-
lft27	MmuEX0023691	chr15	77995694	77996404	77996463	77997500	-
lft27	MmuEX0023692	chr15	77994729	77995577	77995694	77996404	-

lft46	MmuEX0023693	chr9	44592136	44592415	44592543	44594377	+
lft46	MmuEX0023694	chr9	44594498	44594921	44594987	44597650	+
lft46	MmuEX0023695	chr9	44594987	44597650	44597710	44597974	+
lft46	MmuEX0023696	chr9	44597710	44597974	44598059	44598568	+
lft46	MmuEX0023697	chr9	44582314	44585795	44586390	44586645	+
lft46	MmuEX0023698	chr9	44591888	44592043	44592136	44592415	+
lft46	MmuEX0023699	chr9	44581370	44581771	44581867	44586645	+
lft46	MmuEX0023700	chr9	44581867	44582266	44582314	44586645	+
lft46	MmuEX0023701	chr9	44581867	44584443	44584520	44586645	+
lft52	MmuEX0023702	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
lft52	MmuEX0023703	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
lft52	MmuEX0023704	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
lft52	MmuEX0023705	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
lft52	MmuEX0023706	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
lft57	MmuEX0023707	chr16	49699662	49703263	49703381	49706204	+
lft57	MmuEX0023708	chr16	49758579	49759430	49759561	49761067	+
lft57	MmuEX0023709	chr16	49759561	49761067	49761129	49762714	+
lft57	MmuEX0023710	chr16	49761129	49762714	49762780	49763855	+
lft57	MmuEX0023711	chr16	49736907	49758508	49758579	49759430	+
lft57	MmuEX0023712	chr16	49699723	49701967	49702129	49703263	+
lft74	MmuEX0023713	chr4	94281342	94284658	94284792	94288545	+
lft74	MmuEX0023714	chr4	94353627	94354359	94354406	94358411	+
lft74	MmuEX0023715	chr4	94353627	94354930	94355071	94358411	+
lft74	MmuEX0023716	chr4	94353627	94358411	94358471	94359642	+
lft74	MmuEX0023717	chr4	94291470	94293668	94293766	94293943	+
lft74	MmuEX0023718	chr4	94293766	94293943	94294003	94299368	+
lft74	MmuEX0023720	chr4	94288680	94291422	94291470	94293668	+
lft74	MmuEX0023722	chr4	94294003	94299368	94299427	94302465	+
lft74	MmuEX0023723	chr4	94299427	94302465	94302526	94319618	+
lft80	MmuEX0023724	chr3	68754455	68766102	68766239	68767545	-
lft80	MmuEX0023726	chr3	68731713	68734744	68734907	68739769	-
lft80	MmuEX0023727	chr3	68702530	68716872	68716946	68718534	-
lft80	MmuEX0023729	chr3	68698103	68700031	68700033	68702407	-
lft80	MmuEX0023730	chr3	68734907	68739769	68739843	68744008	-
lft80	MmuEX0023731	chr3	68744126	68754276	68754455	68766102	-
lft80	MmuEX0023732	chr3	68789405	68791806	68791916	68794664	-
lft80	MmuEX0023733	chr3	68798504	68808187	68808223	68808354	-
lft80	MmuEX0023734	chr3	68702530	68718534	68718706	68718816	-
lft80	MmuEX0023735	chr3	68698103	68702407	68702530	68718534	-
lft80	MmuEX0023736	chr3	68722547	68731649	68731713	68734744	-
lft80	MmuEX0023737	chr3	68718905	68722412	68722547	68731649	-
lft80	MmuEX0023738	chr3	68720185	68721879	68722026	68722412	-
lft80	MmuEX0023739	chr3	68718905	68720014	68720185	68721879	-
lft81	MmuEX0023740	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023741	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023742	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023743	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-

lft81	MmuEX0023744	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023745	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023746	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023747	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft81	MmuEX0023748	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
lft88	MmuEX0023749	chr14	58066609	58069508	58069578	58074298	+
lft88	MmuEX0023750	chr14	58069578	58074298	58074384	58091812	+
lft88	MmuEX0023751	chr14	58074384	58076086	58076133	58091812	+
lft88	MmuEX0023752	chr14	58107794	58115010	58115116	58126042	+
lft88	MmuEX0023753	chr14	58115116	58124667	58124758	58126042	+
lft88	MmuEX0023754	chr14	58059858	58060715	58060819	58063192	+
lft88	MmuEX0023755	chr14	58074384	58091812	58091911	58094880	+
lft88	MmuEX0023756	chr14	58115116	58126042	58126108	58135818	+
lft88	MmuEX0023757	chr14	58126108	58135818	58135928	58136174	+
lft88	MmuEX0023759	chr14	58053694	58056064	58056120	58057079	+
lft88	MmuEX0023760	chr14	58094966	58096728	58096914	58100233	+
lft88	MmuEX0023761	chr14	58094966	58098734	58098842	58100233	+
lft88	MmuEX0023762	chr14	58098842	58099494	58099644	58100233	+
lft88	MmuEX0023763	chr14	58060819	58063192	58063294	58064402	+
lft88	MmuEX0023764	chr14	58060819	58064402	58064516	58066378	+
lgbp1	MmuEX0023765	chrX	97690537	97698334	97698529	97700529	+
lgf1	MmuEX0023771	chr10	87376545	87378043	87378094	87393420	+
lgf1	MmuEX0023772	chr10	87322512	87324041	87324130	87327476	+
lgf1r	MmuEX0023773	chr7	75097838	75148696	75149241	75309879	+
lgf1r	MmuEX0023774	chr7	75352759	75353799	75353891	75356880	+
lgf2bp2	MmuEX0023779	chr16	22089183	22161319	22161379	22162859	-
lgf2bp2	MmuEX0023780	chr16	22070448	22076090	22076218	22078689	-
lgf2bp2	MmuEX0023781	chr16	22063786	22065166	22065240	22068216	-
lgf2bp2	MmuEX0023782	chr16	22062046	22063655	22063786	22065166	-
lgf2bp2	MmuEX0023783	chr16	22068332	22070380	22070448	22076090	-
lgf2r	MmuEX0023792	chr17	12912816	12914994	12915158	12918181	-
lgf2r	MmuEX0023793	chr17	12911661	12912679	12912816	12914994	-
lgf2r	MmuEX0023794	chr17	12902440	12903503	12903607	12904885	-
lgf2r	MmuEX0023795	chr17	12894222	12894799	12894896	12895063	-
lgf2r	MmuEX0023796	chr17	12885651	12885940	12886147	12886869	-
lgfbp4	MmuEX0023797	chr11	98909685	98910408	98910542	98912759	+
lgfbp7	MmuEX0023798	chr5	77784696	77830512	77830604	77836565	-
lghg2c	MmuEX0023802	chr12	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
lghmbp2	MmuEX0023806	chr19	3266459	3267242	3267336	3268298	-
lghmbp2	MmuEX0023807	chr19	3271700	3272888	3273035	3274356	-
lghmbp2	MmuEX0023808	chr19	3276919	3279533	3279630	3279807	-
lgsf1	MmuEX0023814	chrX	47136129	47136277	47136400	47136789	-
lgsf1	MmuEX0023815	chrX	47137067	47137683	47137970	47138149	-
lgsf1	MmuEX0023816	chrX	47137067	47137199	47137486	47137683	-
lgsf1	MmuEX0023820	chrX	47137067	47141210	47141242	47141325	-
lgsf1	MmuEX0023821	chrX	47137067	47140535	47140825	47141210	-
lgsf1	MmuEX0023822	chrX	47137067	47140036	47140314	47140535	-

lgsf1	MmuEX0023823	chrX	47137067	47139165	47139452	47140036	-
lgsf1	MmuEX0023824	chrX	47137067	47138396	47138436	47139165	-
lgsf3	MmuEX0023832	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
lgsf3	MmuEX0023833	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
lgtp	MmuEX0023853	chr11	58013281	58014970	58015219	58019546	+
lkbip	MmuEX0023857	chr10	90546041	90546500	90546633	90555884	+
lkbip	MmuEX0023858	chr10	90546041	90555884	90556001	90564500	+
lkbip	MmuEX0023859	chr10	90556001	90558529	90559217	90564500	+
lkbkap	MmuEX0023860	chr4	56784428	56785253	56785401	56785888	-
lkbkap	MmuEX0023861	chr4	56805353	56806962	56807047	56808378	-
lkbkap	MmuEX0023862	chr4	56787638	56787889	56787962	56788297	-
lkbkap	MmuEX0023863	chr4	56771212	56775121	56775181	56775713	-
lkbkap	MmuEX0023864	chr4	56771947	56772673	56772786	56775121	-
lkbkap	MmuEX0023865	chr4	56771212	56771836	56771947	56775713	-
lkbkb	MmuEX0023866	chr8	23782989	23783835	23783964	23785435	-
lkbkb	MmuEX0023867	chr8	23776108	23776284	23776383	23776463	-
lkbkb	MmuEX0023868	chr8	23771134	23771874	23771964	23774162	-
lkbkb	MmuEX0023869	chr8	23779568	23780079	23780197	23782103	-
lkbkb	MmuEX0023870	chr8	23789386	23793198	23793286	23801530	-
lkbkb	MmuEX0023871	chr8	23789386	23792135	23792224	23801530	-
lkbke	MmuEX0023879	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
lkbkg	MmuEX0023884	chrX	71685289	71688684	71688827	71689111	+
lkzf2	MmuEX0023894	chr1	69588944	69595173	69595310	69617067	-
ll10ra	MmuEX0023902	chr9	45068554	45072408	45072561	45073572	-
ll10ra	MmuEX0023903	chr9	45074725	45075183	45075297	45077089	-
ll11ra1	MmuEX0023904	chr4	41710758	41711582	41711751	41711880	+
ll13ra1	MmuEX0023911	chrX	33692109	33695538	33695622	33708809	+
ll13ra1	MmuEX0023912	chrX	33666779	33670175	33670215	33670599	+
ll13ra1	MmuEX0023913	chrX	33689106	33692013	33692109	33695538	+
ll15	MmuEX0023917	chr8	84858505	84861465	84861509	84867138	-
ll15	MmuEX0023921	chr8	84869597	84903393	84903514	84926868	-
ll15ra	MmuEX0023922	chr2	11645755	11650436	11650568	11652198	+
ll15ra	MmuEX0023923	chr2	11640085	11641640	11641732	11645040	+
ll15ra	MmuEX0023924	chr2	11641732	11645139	11645237	11645723	+
ll15ra	MmuEX0023925	chr2	11640085	11645723	11645755	11652052	+
ll15ra	MmuEX0023926	chr2	11645755	11649390	11649460	11652052	+
ll15ra	MmuEX0023927	chr2	11645755	11652198	11652273	11654777	+
ll17d	MmuEX0023930	chr14	58143758	58144141	58144436	58161171	+
ll17rc	MmuEX0023939	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
ll17rc	MmuEX0023940	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
ll17rc	MmuEX0023941	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
ll17rc	MmuEX0023942	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
ll17rc	MmuEX0023943	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
ll18bp	MmuEX0023954	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
ll18bp	MmuEX0023955	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
ll18bp	MmuEX0023956	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
ll1r1	MmuEX0023964	chr1	40350202	40350303	40350492	40351603	+

Il1r1	MmuEX0023966	chr1	40282151	40333967	40334176	40339078	+
Il1rap	MmuEX0023969	chr16	26701322	26710567	26710716	26712203	+
Il27ra	MmuEX0023993	chr8	86555508	86555916	86556041	86557850	-
Il27ra	MmuEX0023994	chr8	86563268	86563377	86563533	86564573	-
Il28ra	MmuEX0023996	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Il2rg	MmuEX0023999	chrX	98461682	98462317	98462459	98462650	-
Il2rg	MmuEX0024000	chrX	98460781	98460969	98461065	98461520	-
Il34	MmuEX0024003	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Il34	MmuEX0024004	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Il34	MmuEX0024005	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Il34	MmuEX0024006	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Il34	MmuEX0024007	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Il3ra	MmuEX0024008	chr14	15179702	15180428	15180582	15181335	+
Il3ra	MmuEX0024009	chr14	15181458	15181757	15181886	15182549	+
Il3ra	MmuEX0024010	chr14	15181886	15182362	15182448	15182549	+
Il3ra	MmuEX0024011	chr14	15179026	15179614	15179702	15181335	+
Il3ra	MmuEX0024012	chr14	15180582	15181335	15181458	15181757	+
Il3ra	MmuEX0024013	chr14	15181886	15182549	15182781	15187884	+
Il3ra	MmuEX0024014	chr14	15182781	15183202	15183320	15183564	+
Il3ra	MmuEX0024015	chr14	15183320	15183452	15183481	15183564	+
Il3ra	MmuEX0024016	chr14	15183481	15183564	15183678	15184431	+
Il3ra	MmuEX0024017	chr14	15183678	15184431	15184533	15187521	+
Il3ra	MmuEX0024018	chr14	15181886	15187521	15187587	15187884	+
Il4ra	MmuEX0024024	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Il4ra	MmuEX0024025	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Il4ra	MmuEX0024026	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Il6ra	MmuEX0024031	chr3	89691128	89694159	89694395	89716877	-
Il6ra	MmuEX0024032	chr3	89691128	89693109	89693232	89716877	-
Il6st	MmuEX0024033	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Il6st	MmuEX0024034	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Il6st	MmuEX0024035	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Il6st	MmuEX0024036	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Il6st	MmuEX0024037	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Ilf2	MmuEX0024050	chr3	90280986	90281242	90281284	90284526	+
Ilf2	MmuEX0024051	chr3	90281284	90284526	90284630	90284915	+
Ilf2	MmuEX0024052	chr3	90286764	90288214	90288274	90288376	+
Ilf2	MmuEX0024053	chr3	90280167	90280927	90280986	90281242	+
Ilf3	MmuEX0024054	chr9	21172543	21192144	21192241	21192968	+
Ilf3	MmuEX0024055	chr9	21199912	21200464	21200575	21200661	+
Ilf3	MmuEX0024056	chr9	21202580	21203569	21203694	21203860	+
Ilf3	MmuEX0024057	chr9	21204285	21204404	21204457	21207580	+
Ilf3	MmuEX0024058	chr9	21204457	21204896	21204956	21207580	+
Ilf3	MmuEX0024059	chr9	21204457	21207580	21207945	21208504	+
Ilf3	MmuEX0024060	chr9	21192241	21192556	21192594	21192953	+
Ilf3	MmuEX0024061	chr9	21193197	21193750	21193927	21196739	+
Ilf3	MmuEX0024062	chr9	21196886	21198155	21198246	21198639	+
Ilf3	MmuEX0024063	chr9	21199386	21199815	21199912	21200464	+

lIf3	MmuEX0024064	chr9	21202112	21202413	21202580	21203569	+
llkap	MmuEX0024065	chr1	93287774	93291947	93292056	93295228	-
llkap	MmuEX0024066	chr1	93287240	93287709	93287774	93295228	-
llkap	MmuEX0024067	chr1	93281923	93287184	93287240	93295228	-
llkap	MmuEX0024068	chr1	93281923	93284932	93285023	93287184	-
llkap	MmuEX0024069	chr1	93281923	93283792	93283918	93284922	-
llkap	MmuEX0024070	chr1	93279968	93281817	93281923	93283792	-
llkap	MmuEX0024071	chr1	93278549	93281142	93281235	93281817	-
llkap	MmuEX0024072	chr1	93278549	93279881	93279968	93281142	-
llkap	MmuEX0024073	chr1	93275162	93278428	93278549	93279881	-
llvbl	MmuEX0024074	chr10	78045874	78045965	78046134	78046209	+
llvbl	MmuEX0024075	chr10	78046279	78046375	78046446	78046623	+
llvbl	MmuEX0024076	chr10	78040198	78041352	78041519	78041766	+
lmp1	MmuEX0024079	chr2	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
lmp2	MmuEX0024080	chr12	41750732	41751148	41751220	41794897	+
lmp2	MmuEX0024081	chr12	41795033	41837427	41837530	42729751	+
lmp2	MmuEX0024082	chr12	41837530	42729751	42729816	42804642	+
lmp2	MmuEX0024083	chr12	42729816	42804642	42804744	43055968	+
lmt	MmuEX0024084	chr6	71813264	71816720	71816734	71818574	+
lmt	MmuEX0024085	chr6	71821552	71822788	71822888	71824311	+
lmt	MmuEX0024086	chr6	71794706	71796280	71796469	71801766	+
lmt	MmuEX0024087	chr6	71801874	71802760	71802861	71806906	+
lmt	MmuEX0024088	chr6	71802861	71803167	71803262	71806906	+
lmpa1	MmuEX0024089	chr3	10328478	10328943	10329008	10331322	-
lmpa1	MmuEX0024090	chr3	10316254	10321612	10321720	10322904	-
lmpa2	MmuEX0024091	chr18	67461963	67466127	67466204	67466325	+
lmpa2	MmuEX0024092	chr18	67461963	67466325	67466429	67468706	+
lmpa2	MmuEX0024093	chr18	67466429	67468706	67468751	67476536	+
lmpa2	MmuEX0024094	chr18	67468751	67470301	67470409	67475274	+
lmpact	MmuEX0024095	chr18	13133350	13134488	13134540	13134978	+
lmpact	MmuEX0024096	chr18	13135040	13136081	13136176	13140599	+
lmpact	MmuEX0024097	chr18	13135040	13140599	13140684	13142748	+
lmpdh1	MmuEX0024098	chr6	29151219	29151888	29151904	29152447	-
lmpdh1	MmuEX0024099	chr6	29154374	29154569	29154659	29155051	-
lmpdh1	MmuEX0024100	chr6	29159268	29162069	29162167	29165831	-
lnadl	MmuEX0024104	chr4	98083450	98090967	98091185	98092704	+
lnadl	MmuEX0024106	chr4	98107833	98110442	98110498	98122821	+
lnadl	MmuEX0024107	chr4	98110498	98122821	98122955	98131725	+
lnadl	MmuEX0024108	chr4	98131886	98135911	98135930	98136164	+
lnadl	MmuEX0024109	chr4	98131886	98136164	98136295	98158229	+
lnadl	MmuEX0024110	chr4	98136295	98158229	98158438	98161716	+
lnadl	MmuEX0024111	chr4	98205749	98235630	98235826	98258624	+
lnadl	MmuEX0024112	chr4	98305453	98317059	98317176	98319095	+
lnadl	MmuEX0024113	chr4	98334350	98339309	98339390	98340885	+
lnadl	MmuEX0024114	chr4	98343011	98343932	98344018	98347805	+
lnadl	MmuEX0024115	chr4	98347913	98348735	98348772	98354024	+
lnadl	MmuEX0024116	chr4	98076040	98077718	98077857	98079695	+

Inadl	MmuEX0024117	chr4	98370792	98372701	98372779	98384600	+
Inadl	MmuEX0024118	chr4	98079890	98083322	98083450	98090967	+
Inadl	MmuEX0024120	chr4	98077857	98079695	98079890	98083322	+
Inadl	MmuEX0024121	chr4	98098590	98104021	98104161	98107745	+
Inadl	MmuEX0024122	chr4	98290380	98305382	98305453	98317059	+
Inadl	MmuEX0024123	chr4	98319249	98334267	98334350	98340885	+
Inadl	MmuEX0024124	chr4	98190192	98202201	98202278	98205650	+
Inadl	MmuEX0024125	chr4	98202278	98205650	98205749	98235630	+
Inca1	MmuEX0024126	chr11	70502251	70502487	70502646	70503248	-
Inca1	MmuEX0024127	chr11	70503441	70503685	70503724	70503941	-
Inca1	MmuEX0024128	chr11	70502646	70503248	70503441	70503685	-
Inca1	MmuEX0024129	chr11	70504054	70509366	70509450	70513422	-
Inca1	MmuEX0024130	chr11	70504054	70507651	70507714	70509366	-
Incenp	MmuEX0024131	chr19	9952918	9958189	9958323	9958395	-
Incenp	MmuEX0024132	chr19	9948860	9949306	9949413	9949588	-
Incenp	MmuEX0024133	chr19	9952918	9957682	9957693	9958189	-
Incenp	MmuEX0024134	chr19	9951306	9952167	9952286	9952618	-
Inf2	MmuEX0024135	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Inf2	MmuEX0024136	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Inf2	MmuEX0024137	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Inf2	MmuEX0024138	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Inf2	MmuEX0024139	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Inf2	MmuEX0024140	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ing1	MmuEX0024141	chr8	11555978	11557003	11557045	11561418	+
Ing3	MmuEX0024142	chr6	21899793	21900038	21900109	21902092	+
Ing3	MmuEX0024143	chr6	21900109	21902129	21902229	21903763	+
Ing4	MmuEX0024144	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ing4	MmuEX0024145	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ing4	MmuEX0024146	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ing5	MmuEX0024147	chr1	95713087	95713215	95713276	95714858	+
Inha	MmuEX0024148	chr1	75505044	75505425	75505558	75505909	+
Ino80	MmuEX0024151	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024152	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024153	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024154	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024155	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024156	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024157	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024158	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024159	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024160	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024161	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024162	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024163	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80	MmuEX0024164	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ino80c	MmuEX0024165	chr18	24265159	24272578	24272688	24280150	-
Ino80c	MmuEX0024166	chr18	24265159	24271162	24271273	24280150	-

Ino80c	MmuEX0024167	chr18	24265159	24270216	24270283	24280150	-
Ino80c	MmuEX0024168	chr18	24265159	24267238	24267383	24270216	-
Ino80d	MmuEX0024169	chr1	63140304	63152230	63152333	63160785	-
Ino80d	MmuEX0024170	chr1	63114867	63120896	63121120	63125527	-
Ino80e	MmuEX0024172	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ino80e	MmuEX0024173	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ino80e	MmuEX0024174	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ino80e	MmuEX0024175	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Inpp1	MmuEX0024176	chr1	52856380	52862684	52862748	52874246	-
Inpp1	MmuEX0024177	chr1	52847061	52848532	52848706	52851314	-
Inpp1	MmuEX0024178	chr1	52851514	52853885	52853945	52856129	-
Inpp4a	MmuEX0024179	chr1	37434606	37435686	37435904	37436767	+
Inpp4a	MmuEX0024180	chr1	37446621	37446894	37447034	37449788	+
Inpp4a	MmuEX0024181	chr1	37447034	37449788	37449885	37452915	+
Inpp4a	MmuEX0024182	chr1	37429264	37431120	37431134	37434423	+
Inpp4a	MmuEX0024183	chr1	37437022	37440184	37440216	37444543	+
Inpp4b	MmuEX0024184	chr8	84294823	84380591	84380670	84408032	+
Inpp4b	MmuEX0024185	chr8	84509313	84521099	84521302	84534438	+
Inpp4b	MmuEX0024186	chr8	84521302	84534438	84534603	84556956	+
Inpp4b	MmuEX0024188	chr8	84294823	84368355	84368405	84380591	+
Inpp5a	MmuEX0024191	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5a	MmuEX0024192	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5a	MmuEX0024193	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5a	MmuEX0024194	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5a	MmuEX0024195	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5a	MmuEX0024196	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5a	MmuEX0024197	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Inpp5b	MmuEX0024198	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024199	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024200	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024201	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024202	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024203	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024207	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5b	MmuEX0024208	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Inpp5d	MmuEX0024209	chr1	89606275	89607640	89607727	89608606	+
Inpp5d	MmuEX0024210	chr1	89531930	89561962	89562112	89564464	+
Inpp5d	MmuEX0024211	chr1	89609864	89611613	89611668	89611836	+
Inpp5e	MmuEX0024212	chr2	26257218	26257620	26257743	26263287	-
Inpp5e	MmuEX0024213	chr2	26255663	26255893	26256012	26256406	-
Inpp5e	MmuEX0024214	chr2	26254868	26254933	26255094	26255556	-
Inpp5e	MmuEX0024215	chr2	26257305	26257306	26257378	26257620	-
Inpp5e	MmuEX0024216	chr2	26256012	26256406	26256428	26257121	-
Inpp5e	MmuEX0024217	chr2	26255094	26255556	26255663	26255893	-
Inpp5f	MmuEX0024218	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Inpp5f	MmuEX0024220	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Inpp5f	MmuEX0024221	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+

Inpp5k	MmuEX0024222	chr11	75446678	75446965	75447073	75450446	+
Inpp5k	MmuEX0024223	chr11	75447073	75450446	75450562	75450912	+
Inpp5k	MmuEX0024224	chr11	75450562	75450720	75450818	75450912	+
Inpp5k	MmuEX0024225	chr11	75451087	75451647	75451758	75452958	+
Inpp5k	MmuEX0024226	chr11	75453067	75458930	75459119	75460288	+
Inpp5k	MmuEX0024227	chr11	75453067	75460288	75460425	75460695	+
Inpp5k	MmuEX0024228	chr11	75460437	75460695	75460778	75460904	+
Inpp5k	MmuEX0024229	chr11	75453067	75460904	75461008	75461154	+
Inppl1	MmuEX0024230	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Inppl1	MmuEX0024231	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Inppl1	MmuEX0024232	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Inppl1	MmuEX0024233	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Insig2	MmuEX0024238	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Insig2	MmuEX0024239	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Insig2	MmuEX0024240	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Insig2	MmuEX0024241	chr1	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Insr	MmuEX0024242	chr8	3174888	3184951	3185152	3189125	-
Insr	MmuEX0024243	chr8	3158830	3159453	3159582	3161339	-
Insr	MmuEX0024244	chr8	3194921	3198061	3198275	3202890	-
Insr	MmuEX0024245	chr8	3185152	3189125	3189292	3192546	-
Insr	MmuEX0024246	chr8	3159582	3161339	3161498	3161681	-
Insr	MmuEX0024247	chr8	3174888	3181702	3181737	3184951	-
Ints1	MmuEX0024249	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints1	MmuEX0024250	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints1	MmuEX0024251	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints1	MmuEX0024252	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints1	MmuEX0024253	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints1	MmuEX0024254	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints1	MmuEX0024255	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ints10	MmuEX0024256	chr8	71332408	71334478	71334631	71335810	+
Ints10	MmuEX0024257	chr8	71320719	71321658	71321797	71326215	+
Ints10	MmuEX0024258	chr8	71334631	71335810	71335892	71337465	+
Ints10	MmuEX0024259	chr8	71338264	71342834	71342895	71343187	+
Ints10	MmuEX0024260	chr8	71346149	71348089	71348166	71351176	+
Ints10	MmuEX0024261	chr8	71346149	71348951	71349028	71351176	+
Ints2	MmuEX0024262	chr11	86062854	86064470	86064583	86065760	-
Ints2	MmuEX0024263	chr11	86046761	86048174	86048308	86050041	-
Ints2	MmuEX0024264	chr11	86026569	86028413	86028518	86028646	-
Ints2	MmuEX0024268	chr11	86065862	86069525	86069831	86070706	-
Ints2	MmuEX0024269	chr11	86065862	86068848	86068986	86069525	-
Ints3	MmuEX0024270	chr3	90228009	90236208	90236340	90236726	-
Ints3	MmuEX0024271	chr3	90225741	90227926	90228009	90236726	-
Ints3	MmuEX0024272	chr3	90207107	90207428	90207519	90207907	-
Ints3	MmuEX0024273	chr3	90205093	90205327	90205381	90205765	-
Ints3	MmuEX0024274	chr3	90199128	90200300	90200453	90204226	-
Ints3	MmuEX0024275	chr3	90214049	90215123	90215267	90217452	-
Ints3	MmuEX0024276	chr3	90204345	90204517	90204561	90204990	-

Ints4	MmuEX0024277	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints4	MmuEX0024278	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints4	MmuEX0024279	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints4	MmuEX0024280	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints4	MmuEX0024281	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints4	MmuEX0024282	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints4	MmuEX0024283	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ints6	MmuEX0024284	chr14	63335319	63362746	63362835	63378038	-
Ints6	MmuEX0024285	chr14	63335319	63352465	63352687	63362746	-
Ints6	MmuEX0024286	chr14	63332679	63333130	63333255	63335136	-
Ints6	MmuEX0024287	chr14	63327860	63328305	63328457	63332522	-
Ints6	MmuEX0024288	chr14	63322137	63323521	63323733	63324690	-
Ints6	MmuEX0024289	chr14	63362835	63378038	63378187	63379003	-
Ints7	MmuEX0024290	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024291	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024292	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024293	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024294	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024295	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024296	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints7	MmuEX0024297	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Ints8	MmuEX0024298	chr4	11175458	11179923	11180097	11181128	-
Ints8	MmuEX0024299	chr4	11156131	11157480	11157655	11158800	-
Ints8	MmuEX0024300	chr4	11152950	11154267	11154377	11155998	-
Ints8	MmuEX0024301	chr4	11148444	11150913	11151034	11152749	-
Ints8	MmuEX0024302	chr4	11136423	11136539	11136612	11139029	-
Ints8	MmuEX0024303	chr4	11168835	11172871	11173053	11173242	-
Ints8	MmuEX0024304	chr4	11162757	11166454	11166609	11168728	-
Ints8	MmuEX0024305	chr4	11161859	11162657	11162757	11166454	-
Ints8	MmuEX0024306	chr4	11158870	11161718	11161859	11162657	-
Ints8	MmuEX0024307	chr4	11175050	11175318	11175458	11179923	-
Ints8	MmuEX0024308	chr4	11139079	11139939	11140078	11140853	-
Ints8	MmuEX0024309	chr4	11136612	11139029	11139079	11140853	-
Ints9	MmuEX0024310	chr14	65599086	65605140	65605200	65609369	+
Ints9	MmuEX0024311	chr14	65639333	65645242	65645302	65647723	+
Intu	MmuEX0024312	chr3	40439931	40457628	40458175	40468182	+
Intu	MmuEX0024313	chr3	40487468	40491698	40491751	40494618	+
Intu	MmuEX0024314	chr3	40501595	40503561	40503718	40505124	+
Intu	MmuEX0024315	chr3	40458175	40467190	40467228	40468182	+
Intu	MmuEX0024316	chr3	40476696	40479148	40479266	40482805	+
Intu	MmuEX0024317	chr3	40458175	40468182	40468267	40476493	+
Intu	MmuEX0024318	chr3	40491751	40494618	40494680	40495637	+
Invs	MmuEX0024324	chr4	48420682	48428778	48429070	48434319	+
Ip6k1	MmuEX0024328	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ip6k1	MmuEX0024329	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ip6k1	MmuEX0024330	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ip6k1	MmuEX0024331	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+

lp6k1	MmuEX0024332	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
lp6k2	MmuEX0024333	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
lp6k2	MmuEX0024334	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
lp6k2	MmuEX0024335	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
lpmk	MmuEX0024338	chr10	70810838	70817036	70817178	70826198	+
lpmk	MmuEX0024339	chr10	70835628	70836703	70836801	70839453	+
lpmk	MmuEX0024341	chr10	70810838	70826198	70826283	70835453	+
lpmk	MmuEX0024342	chr10	70810838	70828757	70828853	70835453	+
lpo11	MmuEX0024343	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024344	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024345	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024346	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024347	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024348	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024349	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024350	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024351	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024352	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024353	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024354	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo11	MmuEX0024355	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
lpo13	MmuEX0024356	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
lpo13	MmuEX0024357	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
lpo13	MmuEX0024358	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
lpo4	MmuEX0024359	chr14	56254048	56254200	56254286	56254367	-
lpo4	MmuEX0024360	chr14	56248926	56249132	56249252	56249435	-
lpo4	MmuEX0024361	chr14	56246504	56246622	56246830	56246943	-
lpo4	MmuEX0024362	chr14	56253246	56253555	56253660	56253842	-
lpo4	MmuEX0024363	chr14	56253031	56253117	56253246	56253842	-
lpo5	MmuEX0024364	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
lpo5	MmuEX0024365	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
lpo7	MmuEX0024366	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
lpo7	MmuEX0024367	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
lpo7	MmuEX0024368	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
lpo7	MmuEX0024369	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
lpo7	MmuEX0024370	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
lpo8	MmuEX0024371	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024372	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024373	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024374	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024375	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024376	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024377	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024378	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024379	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024380	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
lpo8	MmuEX0024381	chr6	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-

lpo9	MmuEX0024382	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024383	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024384	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024385	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024386	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024387	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024388	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpo9	MmuEX0024389	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
lpp	MmuEX0024390	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lpp	MmuEX0024391	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lpp	MmuEX0024392	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lpp	MmuEX0024393	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lpp	MmuEX0024394	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
lppk	MmuEX0024395	chr13	49516835	49526238	49526285	49527739	+
lppk	MmuEX0024396	chr13	49516835	49518311	49518395	49526238	+
lppk	MmuEX0024397	chr13	49526285	49527739	49527834	49529198	+
lppk	MmuEX0024398	chr13	49541945	49544606	49544756	49553982	+
lppk	MmuEX0024399	chr13	49541945	49545350	49545452	49553982	+
lppk	MmuEX0024400	chr13	49545452	49553982	49554061	49556903	+
lqcb1	MmuEX0024405	chr16	36851380	36851646	36851754	36856377	+
lqcb1	MmuEX0024406	chr16	36856519	36858541	36858689	36867645	+
lqcb1	MmuEX0024407	chr16	36840049	36843445	36843544	36847567	+
lqcb1	MmuEX0024408	chr16	36843544	36847567	36847745	36849713	+
lqcb1	MmuEX0024409	chr16	36828578	36829090	36829159	36831588	+
lqcb1	MmuEX0024410	chr16	36829359	36831588	36831700	36831915	+
lqcb1	MmuEX0024411	chr16	36828578	36831915	36832077	36835602	+
lqcb1	MmuEX0024412	chr16	36847594	36847676	36847745	36856377	+
lqcb1	MmuEX0024413	chr16	36847745	36849713	36849822	36856377	+
lqcb1	MmuEX0024414	chr16	36849822	36851271	36851380	36856377	+
lqcc	MmuEX0024415	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
lqce	MmuEX0024418	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
lqce	MmuEX0024428	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
lqgap1	MmuEX0024444	chr7	87897239	87901066	87901150	87902290	-
lqgap1	MmuEX0024445	chr7	87910257	87911771	87911848	87913195	-
lqgap1	MmuEX0024446	chr7	87858831	87861897	87862005	87865755	-
lqgap1	MmuEX0024447	chr7	87905814	87907384	87907451	87910181	-
lqgap1	MmuEX0024448	chr7	87873967	87874530	87874577	87874955	-
lqsec1	MmuEX0024463	chr6	90626908	90628018	90628140	90630485	-
lqsec1	MmuEX0024464	chr6	90614065	90617894	90618070	90618635	-
lqsec1	MmuEX0024465	chr6	90612949	90614016	90614065	90617894	-
lqsec1	MmuEX0024466	chr6	90622113	90626742	90626908	90628018	-
lqsec2	MmuEX0024467	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
lqsec2	MmuEX0024468	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
lqsec2	MmuEX0024469	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
lqsec2	MmuEX0024470	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
lqsec2	MmuEX0024471	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
lqsec2	MmuEX0024472	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+

Iqsec2	MmuEX0024473	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Irak1	MmuEX0024481	chrX	71265304	71265667	71265874	71266282	-
Irak1	MmuEX0024482	chrX	71268404	71268405	71268536	71268705	-
Irak1	MmuEX0024483	chrX	71262850	71263240	71263356	71263469	-
Irak1	MmuEX0024484	chrX	71262036	71262469	71262579	71263469	-
Irak1	MmuEX0024485	chrX	71267720	71267812	71268000	71268188	-
Irak1	MmuEX0024486	chrX	71266400	71267524	71267588	71267812	-
Irak1	MmuEX0024487	chrX	71266400	71267188	71267302	71267524	-
Irak1bp1	MmuEX0024488	chr9	82723946	82731025	82731090	82739906	+
Irak2	MmuEX0024490	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Irak2	MmuEX0024491	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Irak2	MmuEX0024492	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Irak4	MmuEX0024493	chr15	94382379	94384266	94384448	94385117	+
Irak4	MmuEX0024494	chr15	94385277	94386667	94386966	94387058	+
Ireb2	MmuEX0024495	chr9	54738981	54740282	54740379	54743186	+
Ireb2	MmuEX0024496	chr9	54754730	54756549	54756734	54757438	+
Ireb2	MmuEX0024497	chr9	54748379	54750987	54751046	54751698	+
Ireb2	MmuEX0024498	chr9	54730263	54731704	54731922	54733682	+
Ireb2	MmuEX0024499	chr9	54730263	54733682	54733751	54734297	+
Irf1	MmuEX0024500	chr11	53583780	53584786	53584877	53586341	+
Irf1	MmuEX0024501	chr11	53584877	53586341	53586440	53587158	+
Irf2	MmuEX0024502	chr8	47825290	47878847	47878939	47891825	+
Irf2	MmuEX0024503	chr8	47892752	47893059	47893105	47923028	+
Irf2	MmuEX0024504	chr8	47893105	47904145	47904262	47923028	+
Irf3	MmuEX0024505	chr7	52255433	52255524	52255594	52255742	+
Irf3	MmuEX0024506	chr7	52255594	52255742	52255916	52256015	+
Irf3	MmuEX0024507	chr7	52255916	52256015	52256392	52257043	+
Irf3	MmuEX0024508	chr7	52256392	52257043	52257158	52257534	+
Irf5	MmuEX0024510	chr6	29484593	29485041	29485074	29485253	+
Irf5	MmuEX0024511	chr6	29485074	29485253	29485510	29485725	+
Irf5	MmuEX0024512	chr6	29484141	29484535	29484593	29485041	+
Irf7	MmuEX0024513	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Irf7	MmuEX0024514	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Irf7	MmuEX0024515	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Irf8	MmuEX0024516	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Irf8	MmuEX0024517	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Irf9	MmuEX0024518	chr14	56223080	56223305	56223390	56223889	+
Irf9	MmuEX0024519	chr14	56225003	56225155	56225275	56225374	+
Irf9	MmuEX0024520	chr14	56226692	56227522	56227637	56227758	+
Irgm1	MmuEX0024521	chr11	48680505	48682064	48682282	48684596	-
Irgm1	MmuEX0024522	chr11	48680505	48681336	48681943	48682064	-
Irx2	MmuEX0024525	chr13	72769418	72770034	72770109	72770712	+
Isca2	MmuEX0024526	chr12	86114627	86114743	86114858	86115493	+
Iscu	MmuEX0024527	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Iscu	MmuEX0024528	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Isg2012	MmuEX0024529	chr3	87734533	87734952	87735160	87735253	+
Isoc2a	MmuEX0024536	chr7	4843503	4843596	4843713	4846919	+

Isoc2b	MmuEX0024537	chr7	4802835	4802995	4803135	4817663	-
Isoc2b	MmuEX0024538	chr7	4802427	4802626	4802835	4802995	-
Isoc2b	MmuEX0024539	chr7	4796967	4801052	4801169	4802357	-
Isoc2b	MmuEX0024540	chr7	4801169	4802357	4802427	4802626	-
Ispd	MmuEX0024541	chr12	37248638	37274416	37274547	37414836	+
Ispd	MmuEX0024543	chr12	37153025	37199689	37199793	37203287	+
Ispd	MmuEX0024544	chr12	37199793	37203287	37203332	37228565	+
Ispd	MmuEX0024545	chr12	37203332	37228565	37228659	37248020	+
Ispd	MmuEX0024546	chr12	37228659	37248020	37248109	37248546	+
Ispd	MmuEX0024547	chr12	37117209	37152876	37153025	37199689	+
Isy1	MmuEX0024548	chr6	87777690	87783636	87783678	87784422	-
Isyna1	MmuEX0024549	chr8	73118442	73118519	73118647	73118722	+
Itch	MmuEX0024550	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itch	MmuEX0024551	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itch	MmuEX0024552	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itch	MmuEX0024553	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itch	MmuEX0024554	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itch	MmuEX0024555	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itch	MmuEX0024556	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Itfg1	MmuEX0024557	chr8	88334538	88355082	88355156	88358920	-
Itfg1	MmuEX0024558	chr8	88304476	88334444	88334538	88355082	-
Itfg1	MmuEX0024559	chr8	88290951	88300039	88300120	88304415	-
Itfg2	MmuEX0024560	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Itfg2	MmuEX0024561	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Itfg2	MmuEX0024562	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Itfg2	MmuEX0024563	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Itfg2	MmuEX0024564	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Itfg3	MmuEX0024565	chr17	26353636	26354239	26354375	26355069	-
Itfg3	MmuEX0024566	chr17	26361456	26362353	26362484	26362857	-
Itfg3	MmuEX0024567	chr17	26357525	26361281	26361456	26362353	-
Itfg3	MmuEX0024568	chr17	26351428	26351597	26351672	26352130	-
Itfg3	MmuEX0024569	chr17	26357525	26362873	26362968	26380935	-
Itfg3	MmuEX0024570	chr17	26355263	26355580	26355696	26357226	-
Itga1	MmuEX0024571	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga1	MmuEX0024572	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga1	MmuEX0024573	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga1	MmuEX0024574	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga1	MmuEX0024575	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga1	MmuEX0024576	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga1	MmuEX0024577	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Itga3	MmuEX0024599	chr11	94913871	94914539	94914661	94915046	-
Itga3	MmuEX0024600	chr11	94907904	94908235	94908360	94912766	-
Itga3	MmuEX0024601	chr11	94907077	94907791	94907904	94908235	-
Itga3	MmuEX0024602	chr11	94908360	94912766	94912864	94913758	-
Itga3	MmuEX0024603	chr11	94923388	94923867	94924077	94924449	-
Itga5	MmuEX0024607	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Itga5	MmuEX0024608	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-

ltga5	MmuEX0024609	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
ltga5	MmuEX0024610	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
ltga5	MmuEX0024611	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
ltga5	MmuEX0024612	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
ltga6	MmuEX0024613	chr2	71660626	71662380	71662496	71663566	+
ltga6	MmuEX0024614	chr2	71676485	71676635	71676778	71678619	+
ltga6	MmuEX0024615	chr2	71679032	71679124	71679207	71679306	+
ltga6	MmuEX0024616	chr2	71684319	71687438	71687563	71691591	+
ltga6	MmuEX0024617	chr2	71687563	71691591	71691720	71693911	+
ltga6	MmuEX0024618	chr2	71625377	71654687	71654811	71656538	+
ltga6	MmuEX0024619	chr2	71654811	71656538	71656617	71658056	+
ltga6	MmuEX0024620	chr2	71658311	71660495	71660626	71663566	+
ltga6	MmuEX0024621	chr2	71676778	71678619	71678734	71678843	+
ltga7	MmuEX0024622	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
ltga7	MmuEX0024623	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
ltga7	MmuEX0024624	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
ltga7	MmuEX0024625	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
ltga7	MmuEX0024626	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
ltga9	MmuEX0024635	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
ltga9	MmuEX0024636	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
ltgam	MmuEX0024648	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
ltgav	MmuEX0024649	chr2	83565076	83576667	83576797	83588010	+
ltgav	MmuEX0024650	chr2	83606828	83608452	83608495	83608849	+
ltgav	MmuEX0024651	chr2	83576797	83588010	83588101	83595963	+
ltgav	MmuEX0024652	chr2	83622203	83623962	83624020	83625490	+
ltgav	MmuEX0024653	chr2	83636401	83637508	83637609	83641927	+
ltgav	MmuEX0024655	chr2	83596077	83602025	83602086	83603809	+
ltgav	MmuEX0024656	chr2	83602086	83603809	83603854	83605925	+
ltgb1	MmuEX0024658	chr8	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
ltgb1bp1	MmuEX0024659	chr12	21278009	21280627	21280763	21282681	-
ltgb1bp1	MmuEX0024660	chr12	21282759	21285261	21285391	21291713	-
ltgb1bp2	MmuEX0024661	chrX	98645000	98645080	98645192	98646926	+
ltgb1bp2	MmuEX0024662	chrX	98647020	98647125	98647183	98647293	+
ltgb1bp2	MmuEX0024663	chrX	98647926	98648167	98648229	98648471	+
ltgb2	MmuEX0024664	chr10	77020884	77022224	77022468	77022895	+
ltgb2	MmuEX0024665	chr10	77004771	77005143	77005231	77008758	+
ltgb3bp	MmuEX0024671	chr4	99465453	99468788	99468923	99480749	-
ltgb3bp	MmuEX0024672	chr4	99456370	99465387	99465453	99468788	-
ltgb3bp	MmuEX0024673	chr4	99434267	99448568	99448661	99456292	-
ltgb3bp	MmuEX0024674	chr4	99434267	99447453	99447512	99448568	-
ltgb3bp	MmuEX0024675	chr4	99434267	99436185	99436232	99447453	-
ltgb5	MmuEX0024681	chr16	33845157	33865534	33865738	33875888	+
ltgb5	MmuEX0024682	chr16	33885207	33893880	33893945	33899327	+
ltgb6	MmuEX0024684	chr2	60466222	60466392	60466526	60472637	-
ltgb6	MmuEX0024685	chr2	60507363	60510689	60510768	60511459	-
ltgbl1	MmuEX0024694	chr14	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
ltgbl1	MmuEX0024695	chr14	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+

ltgbl1	MmuEX0024696	chr14	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
ltgbl1	MmuEX0024697	chr14	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
ltgbl1	MmuEX0024698	chr14	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
ltih4	MmuEX0024706	chr14	31709026	31709289	31709348	31709744	+
ltih4	MmuEX0024707	chr14	31708744	31708997	31709026	31709289	+
ltih4	MmuEX0024708	chr14	31709956	31710712	31710759	31711043	+
ltpa	MmuEX0024713	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
ltpk1	MmuEX0024714	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
ltpk1	MmuEX0024715	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
ltpk1	MmuEX0024716	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
ltpk1	MmuEX0024717	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
ltpkc	MmuEX0024720	chr7	27993463	27997331	27997402	27997979	-
ltpr1	MmuEX0024723	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024725	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024726	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024727	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024728	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024729	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024730	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024733	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024734	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024735	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr1	MmuEX0024736	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
ltpr2	MmuEX0024737	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
ltpr2	MmuEX0024738	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
ltpr2	MmuEX0024741	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
ltsn1	MmuEX0024750	chr16	91821064	91828106	91828193	91828439	+
ltsn1	MmuEX0024751	chr16	91841855	91848967	91849214	91851051	+
ltsn1	MmuEX0024752	chr16	91849214	91851051	91851210	91853940	+
ltsn1	MmuEX0024753	chr16	91784400	91785533	91785596	91793852	+
ltsn1	MmuEX0024754	chr16	91868382	91868993	91869225	91869863	+
ltsn1	MmuEX0024756	chr16	91841855	91842873	91842887	91848967	+
ltsn1	MmuEX0024757	chr16	91851210	91853940	91854145	91854818	+
ltsn1	MmuEX0024758	chr16	91854900	91858454	91858620	91861439	+
ltsn1	MmuEX0024759	chr16	91854900	91861439	91861484	91863502	+
ltsn2	MmuEX0024760	chr12	4600038	4600480	4600498	4620049	+
ltsn2	MmuEX0024761	chr12	4643493	4644545	4644632	4646461	+
ltsn2	MmuEX0024762	chr12	4644632	4646461	4646600	4656789	+
ltsn2	MmuEX0024763	chr12	4646600	4656789	4656925	4659157	+
ltsn2	MmuEX0024764	chr12	4659293	4659932	4660007	4660252	+
ltsn2	MmuEX0024765	chr12	4715833	4717161	4717191	4718759	+
ltsn2	MmuEX0024766	chr12	4718842	4718970	4719148	4719273	+
ltsn2	MmuEX0024767	chr12	4600038	4620049	4620111	4631697	+
ltsn2	MmuEX0024768	chr12	4600038	4640283	4640368	4703948	+
ltsn2	MmuEX0024769	chr12	4600038	4641341	4641603	4703948	+
ltsn2	MmuEX0024770	chr12	4600038	4642387	4642536	4703948	+
ltsn2	MmuEX0024771	chr12	4600038	4643353	4643493	4703948	+

ltsn2	MmuEX0024772	chr12	4646600	4647719	4647799	4656789	+
ltsn2	MmuEX0024773	chr12	4600038	4659157	4659293	4703948	+
ltsn2	MmuEX0024774	chr12	4600038	4660252	4660349	4703948	+
ltsn2	MmuEX0024775	chr12	4620111	4631697	4631789	4633336	+
ltsn2	MmuEX0024776	chr12	4660349	4664821	4664996	4665248	+
ltsn2	MmuEX0024777	chr12	4600038	4665248	4665377	4703948	+
ltsn2	MmuEX0024778	chr12	4600038	4668665	4668870	4703948	+
ltsn2	MmuEX0024779	chr12	4600038	4671343	4671428	4703948	+
ltsn2	MmuEX0024780	chr12	4600038	4672966	4673132	4703948	+
ltsn2	MmuEX0024781	chr12	4600038	4678079	4678124	4703948	+
ltsn2	MmuEX0024782	chr12	4600038	4678208	4678329	4703948	+
ltsn2	MmuEX0024783	chr12	4600038	4679543	4679639	4703948	+
ltsn2	MmuEX0024784	chr12	4600038	4680222	4680413	4703948	+
ltsn2	MmuEX0024785	chr12	4631789	4633336	4633399	4634639	+
ltsn2	MmuEX0024786	chr12	4600038	4634639	4634802	4703948	+
ltsn2	MmuEX0024787	chr12	4600038	4636351	4636557	4703948	+
ltsn2	MmuEX0024788	chr12	4600038	4636674	4636770	4703948	+
ltsn2	MmuEX0024789	chr12	4600038	4637443	4637582	4703948	+
ltsn2	MmuEX0024790	chr12	4600038	4639180	4639243	4703948	+
ltsn2	MmuEX0024791	chr12	4600038	4639742	4639879	4703948	+
lvd	MmuEX0024792	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
lvd	MmuEX0024793	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
lvd	MmuEX0024794	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
lvd	MmuEX0024795	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
lvd	MmuEX0024796	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
lvd	MmuEX0024797	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
lvns1abp	MmuEX0024798	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024799	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024800	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024801	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024802	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024803	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024804	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lvns1abp	MmuEX0024805	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
lws1	MmuEX0024806	chr18	32244404	32245741	32245834	32245927	+
lws1	MmuEX0024807	chr18	32244404	32245927	32246077	32246724	+
lws1	MmuEX0024808	chr18	32246806	32247910	32248039	32249043	+
lws1	MmuEX0024809	chr18	32227693	32229761	32229876	32239325	+
lws1	MmuEX0024810	chr18	32239639	32239874	32240231	32242920	+
lzumo4	MmuEX0024818	chr10	80166025	80166475	80166501	80166598	+
lzumo4	MmuEX0024819	chr10	80166673	80166784	80166831	80166925	+
Jag1	MmuEX0024821	chr2	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Jag1	MmuEX0024822	chr2	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Jag1	MmuEX0024823	chr2	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Jag2	MmuEX0024824	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024825	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024826	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-

Jag2	MmuEX0024827	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024828	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024829	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024830	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024831	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024832	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jag2	MmuEX0024833	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Jak1	MmuEX0024834	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Jak1	MmuEX0024835	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Jak1	MmuEX0024836	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Jak1	MmuEX0024837	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Jak1	MmuEX0024838	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Jak1	MmuEX0024839	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Jak2	MmuEX0024840	chr19	29327009	29335528	29335628	29336673	+
Jak2	MmuEX0024841	chr19	29360902	29362391	29362577	29363164	+
Jak2	MmuEX0024842	chr19	29365791	29369346	29369433	29370132	+
Jak2	MmuEX0024843	chr19	29376561	29384085	29384202	29385418	+
Jak2	MmuEX0024844	chr19	29336923	29345841	29345964	29349492	+
Jak2	MmuEX0024845	chr19	29345964	29349492	29349609	29351240	+
Jak2	MmuEX0024846	chr19	29351385	29355235	29355392	29356807	+
Jak2	MmuEX0024847	chr19	29351385	29353780	29353874	29355235	+
Jak2	MmuEX0024848	chr19	29326608	29326927	29327009	29336673	+
Jak2	MmuEX0024849	chr19	29327009	29336673	29336923	29345841	+
Jak2	MmuEX0024850	chr19	29362577	29363164	29363291	29369346	+
Jak2	MmuEX0024851	chr19	29363291	29365657	29365791	29369346	+
Jak3	MmuEX0024852	chr8	74204456	74204539	74204696	74204782	+
Jak3	MmuEX0024853	chr8	74207984	74208116	74208267	74208383	+
Jak3	MmuEX0024854	chr8	74208267	74208383	74208533	74209065	+
Jak3	MmuEX0024855	chr8	74210024	74210754	74210871	74211138	+
Jak3	MmuEX0024856	chr8	74202420	74202576	74202699	74202877	+
Jak3	MmuEX0024857	chr8	74205586	74205962	74206086	74206181	+
Jak3	MmuEX0024858	chr8	74206312	74206799	74206883	74207231	+
Jak3	MmuEX0024859	chr8	74211248	74211939	74212061	74214071	+
Jam2	MmuEX0024871	chr16	84809741	84813144	84813343	84815414	+
Jam2	MmuEX0024872	chr16	84816631	84819005	84819020	84821505	+
Jam3	MmuEX0024873	chr9	26906351	26906430	26906559	26907668	-
Jam3	MmuEX0024874	chr9	26905986	26906297	26906351	26906430	-
Jam3	MmuEX0024875	chr9	26907767	26907880	26907937	26908823	-
Jam3	MmuEX0024876	chr9	26906559	26907668	26907767	26908823	-
Jarid2	MmuEX0024877	chr13	44827285	44854218	44854387	44918749	+
Jarid2	MmuEX0024878	chr13	44943790	44966956	44967215	44969652	+
Jarid2	MmuEX0024879	chr13	44943790	44969652	44969821	44980073	+
Jarid2	MmuEX0024880	chr13	44980249	44984369	44984447	44991623	+
Jarid2	MmuEX0024881	chr13	44980249	44991623	44991858	44997595	+
Jarid2	MmuEX0024882	chr13	45002955	45005712	45005830	45005906	+
Jarid2	MmuEX0024883	chr13	45009202	45009615	45009745	45010133	+
Jarid2	MmuEX0024884	chr13	45010316	45011786	45011893	45015169	+

Jarid2	MmuEX0024885	chr13	44918884	44943649	44943790	44969652	+
Jazf1	MmuEX0024886	chr6	52844065	53006244	53006361	53018447	-
Jazf1	MmuEX0024887	chr6	52762293	52843993	52844065	53018447	-
Jazf1	MmuEX0024888	chr6	52720374	52727529	52727698	52762097	-
Jhdm1d	MmuEX0024890	chr6	39095553	39096854	39097062	39097187	-
Jhdm1d	MmuEX0024891	chr6	39120909	39123277	39123437	39125362	-
Jhdm1d	MmuEX0024892	chr6	39119102	39120123	39120309	39120768	-
Jhdm1d	MmuEX0024893	chr6	39116753	39118940	39119102	39120123	-
Jkamp	MmuEX0024894	chr12	73187170	73190302	73190393	73190943	+
Jkamp	MmuEX0024895	chr12	73195854	73201034	73201110	73201597	+
Jmjd1c	MmuEX0024896	chr10	66683383	66686757	66686929	66687485	+
Jmjd1c	MmuEX0024897	chr10	66620819	66648603	66649059	66652484	+
Jmjd1c	MmuEX0024898	chr10	66620819	66652484	66652597	66678018	+
Jmjd1c	MmuEX0024899	chr10	66702824	66703411	66703689	66706520	+
Jmjd1c	MmuEX0024900	chr10	66712554	66715120	66715783	66715978	+
Jmjd1c	MmuEX0024901	chr10	66712554	66715978	66716200	66717200	+
Jmjd1c	MmuEX0024902	chr10	66680929	66681025	66681217	66681702	+
Jmjd1c	MmuEX0024903	chr10	66678123	66679731	66679855	66680786	+
Jmjd1c	MmuEX0024904	chr10	66678123	66680865	66680929	66681025	+
Jmjd1c	MmuEX0024905	chr10	66703689	66706520	66706688	66707531	+
Jmjd1c	MmuEX0024906	chr10	66703689	66707531	66707621	66708254	+
Jmjd4	MmuEX0024907	chr11	59267561	59268435	59268581	59268809	+
Jmjd5	MmuEX0024908	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Jmjd5	MmuEX0024909	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Jmjd5	MmuEX0024910	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Jmjd6	MmuEX0024911	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Jmjd6	MmuEX0024912	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Jmjd8	MmuEX0024913	chr17	25966798	25966887	25967006	25967084	+
Jmjd8	MmuEX0024914	chr17	25967151	25967245	25967379	25967455	+
Jmy	MmuEX0024915	chr13	94242749	94243504	94243681	94268257	-
Jmy	MmuEX0024916	chr13	94229744	94234522	94234672	94242576	-
Jmy	MmuEX0024917	chr13	94211576	94212541	94212636	94222762	-
Josd2	MmuEX0024918	chr7	51723529	51723552	51723560	51723676	+
Josd2	MmuEX0024919	chr7	51723560	51724180	51724339	51725782	+
Josd2	MmuEX0024920	chr7	51723560	51723730	51723787	51724177	+
Josd2	MmuEX0024921	chr7	51724339	51725353	51725542	51725782	+
Josd2	MmuEX0024922	chr7	51724339	51725782	51725907	51726483	+
Josd2	MmuEX0024923	chr7	51725907	51726229	51726357	51726483	+
Josd2	MmuEX0024924	chr7	51725907	51726604	51726677	51726785	+
Jph1	MmuEX0024925	chr1	16987640	16993972	16994615	17006120	-
Jtb	MmuEX0024929	chr3	90037924	90038362	90038618	90039219	+
Jtb	MmuEX0024930	chr3	90036433	90037845	90037924	90039219	+
Jub	MmuEX0024931	chr14	55187893	55188313	55188381	55189082	-
Jub	MmuEX0024932	chr14	55190670	55192229	55192330	55195069	-
Kalrn	MmuEX0024940	chr16	34175916	34176353	34176543	34178382	-
Kalrn	MmuEX0024941	chr16	34055201	34116308	34116551	34171358	-
Kalrn	MmuEX0024942	chr16	34040095	34049916	34050008	34053646	-

Kalrn	MmuEX0024943	chr16	34174613	34175815	34175916	34176353	-
Kank1	MmuEX0024944	chr19	25500474	25500799	25500841	25502467	+
Kank1	MmuEX0024946	chr19	25453020	25483576	25486254	25496634	+
Kank1	MmuEX0024947	chr19	25497517	25498628	25498873	25500387	+
Kank2	MmuEX0024950	chr9	21600638	21601420	21601614	21602926	-
Kank2	MmuEX0024951	chr9	21600127	21600524	21600638	21602926	-
Kank2	MmuEX0024952	chr9	21579196	21580145	21580232	21584145	-
Kank3	MmuEX0024953	chr17	33955942	33956037	33956124	33956725	+
Kank3	MmuEX0024954	chr17	33956124	33956725	33956941	33958714	+
Kank3	MmuEX0024955	chr17	33947510	33953131	33953190	33958714	+
Kank3	MmuEX0024956	chr17	33953208	33954139	33955389	33958714	+
Kank3	MmuEX0024957	chr17	33955389	33955471	33955570	33958714	+
Kank3	MmuEX0024958	chr17	33955570	33955745	33955942	33958714	+
Kars	MmuEX0024960	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Kars	MmuEX0024961	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Kars	MmuEX0024962	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Kars	MmuEX0024963	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Kat2a	MmuEX0024964	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Kat2a	MmuEX0024965	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Kat2a	MmuEX0024966	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Kat2a	MmuEX0024967	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Kat2a	MmuEX0024968	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Kat2a	MmuEX0024969	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Kat2b	MmuEX0024970	chr17	53793890	53798113	53798194	53798643	+
Kat2b	MmuEX0024971	chr17	53780624	53783939	53784061	53788072	+
Kat2b	MmuEX0024972	chr17	53784061	53788072	53788208	53792347	+
Kat2b	MmuEX0024973	chr17	53788208	53792347	53792555	53811135	+
Kat2b	MmuEX0024974	chr17	53793890	53798643	53798753	53802860	+
Kat2b	MmuEX0024975	chr17	53798753	53799354	53799497	53802860	+
Kat2b	MmuEX0024976	chr17	53802974	53804731	53804767	53804978	+
Kat5	MmuEX0024977	chr19	5609531	5609852	5609918	5610018	-
Kat5	MmuEX0024978	chr19	5609372	5609463	5609531	5609852	-
Kat5	MmuEX0024979	chr19	5603989	5604419	5604610	5605372	-
Kat5	MmuEX0024980	chr19	5603552	5603634	5603715	5603830	-
Kat5	MmuEX0024981	chr19	5608712	5608802	5608957	5609236	-
Katna1	MmuEX0024982	chr10	7479621	7479978	7480126	7480533	+
Katna1	MmuEX0024983	chr10	7461363	7462633	7462729	7463354	+
Katna1	MmuEX0024984	chr10	7463534	7463825	7463964	7468574	+
Katnal1	MmuEX0024985	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Katnal1	MmuEX0024986	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Katnb1	MmuEX0024994	chr8	97618735	97619073	97619144	97619252	+
Katnb1	MmuEX0024995	chr8	97621931	97622006	97622080	97622219	+
Katnb1	MmuEX0024996	chr8	97606793	97611188	97611318	97613860	+
Katnb1	MmuEX0024997	chr8	97613977	97617416	97617516	97617814	+
Katnb1	MmuEX0024998	chr8	97617516	97617814	97617855	97618380	+
Kazald1	MmuEX0024999	chr19	45150726	45151154	45151703	45152786	+
Kazald1	MmuEX0025000	chr19	45152946	45153051	45153198	45153357	+

Kbtbd10	MmuEX0025001	chr2	69512787	69516137	69516322	69517741	+
Kbtbd2	MmuEX0025002	chr6	56731960	56739213	56739694	56747453	-
Kbtbd3	MmuEX0025003	chr9	4309934	4313702	4313806	4316827	+
Kbtbd3	MmuEX0025004	chr9	4309934	4316827	4317071	4329849	+
Kbtbd4	MmuEX0025005	chr2	90745312	90745827	90746440	90747702	+
Kcmf1	MmuEX0025007	chr6	72808907	72811752	72811919	72849608	-
Kcmf1	MmuEX0025008	chr6	72808907	72811500	72811588	72811752	-
Kcmf1	MmuEX0025009	chr6	72800478	72808768	72808907	72811752	-
Kcnd3	MmuEX0025029	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Kcnd3	MmuEX0025030	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Kcnh2	MmuEX0025035	chr5	23831699	23832167	23832595	23836729	-
Kcnh2	MmuEX0025036	chr5	23825967	23827063	23827240	23827454	-
Kcnip2	MmuEX0025056	chr19	45870194	45870769	45870822	45871581	-
Kcnip2	MmuEX0025057	chr19	45868793	45869230	45869300	45869468	-
Kcnip2	MmuEX0025058	chr19	45868793	45868970	45869077	45869468	-
Kcnip2	MmuEX0025059	chr19	45870194	45871581	45871676	45890221	-
Kcnj12	MmuEX0025065	chr11	60879479	60880168	60880452	60882630	+
Kcnj3	MmuEX0025069	chr2	55290313	55299237	55299453	55447222	+
Kcnj5	MmuEX0025071	chr9	32130604	32149807	32150109	32151689	-
Kcnj5	MmuEX0025072	chr9	32125487	32129666	32130604	32151689	-
Kcnk2	MmuEX0025081	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kcnn1	MmuEX0025102	chr8	73368460	73370394	73370463	73370663	-
Kcnn1	MmuEX0025104	chr8	73372201	73372677	73372787	73374499	-
Kcnn1	MmuEX0025105	chr8	73376971	73378526	73378621	73378900	-
Kcnn2	MmuEX0025107	chr18	45829982	45836591	45836718	45842725	+
Kcnn2	MmuEX0025108	chr18	45836718	45840127	45840135	45842725	+
Kcnq1	MmuEX0025116	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Kcnq1	MmuEX0025117	chr7	1.5E+08	1.5E+08	1.5E+08	1.51E+08	+
Kcnq1	MmuEX0025118	chr7	1.5E+08	1.51E+08	1.51E+08	1.51E+08	+
Kcnq1	MmuEX0025119	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Kcnq1	MmuEX0025120	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Kcnq1	MmuEX0025121	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Kcnt2	MmuEX0025173	chr1	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Kcp	MmuEX0025195	chr6	29434922	29435003	29435175	29435418	-
Kctd1	MmuEX0025203	chr18	15144989	15166205	15166383	15220277	-
Kctd1	MmuEX0025204	chr18	15132794	15144845	15144989	15166205	-
Kctd13	MmuEX0025206	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Kctd17	MmuEX0025211	chr15	78266140	78267331	78267393	78268917	+
Kctd17	MmuEX0025212	chr15	78266140	78267588	78267662	78268917	+
Kctd17	MmuEX0025213	chr15	78266140	78268014	78268101	78268917	+
Kctd18	MmuEX0025214	chr1	58016089	58018745	58018839	58019912	-
Kctd18	MmuEX0025215	chr1	58013664	58015987	58016089	58018745	-
Kctd18	MmuEX0025216	chr1	58022384	58024341	58024567	58026865	-
Kctd18	MmuEX0025217	chr1	58018839	58019912	58020105	58022173	-
Kctd18	MmuEX0025218	chr1	58016089	58022195	58022384	58024341	-
Kctd2	MmuEX0025221	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Kctd20	MmuEX0025222	chr17	29089514	29094824	29095002	29098359	+

Kctd20	MmuEX0025223	chr17	29095002	29098359	29098632	29099755	+
Kctd20	MmuEX0025224	chr17	29098632	29099755	29099857	29100196	+
Kctd3	MmuEX0025226	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025227	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025228	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025229	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025230	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025231	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025232	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd3	MmuEX0025233	chr1	1.91E+08	1.91E+08	1.91E+08	1.91E+08	-
Kctd5	MmuEX0025234	chr17	24186411	24190239	24190297	24192892	-
Kctd6	MmuEX0025235	chr14	9048622	9051310	9051425	9052665	+
Kctd9	MmuEX0025236	chr14	68352347	68355663	68355768	68356434	+
Kctd9	MmuEX0025237	chr14	68342736	68344384	68344427	68346707	+
Kctd9	MmuEX0025238	chr14	68346803	68347408	68347466	68347662	+
Kctd9	MmuEX0025239	chr14	68346803	68347281	68347294	68347408	+
Kctd9	MmuEX0025240	chr14	68351499	68352198	68352347	68355663	+
Kdelc1	MmuEX0025241	chr1	44169727	44169848	44170020	44171286	-
Kdelc1	MmuEX0025242	chr1	44167789	44169490	44169727	44171286	-
Kdelc1	MmuEX0025243	chr1	44166928	44167580	44167789	44169490	-
Kdelc1	MmuEX0025244	chr1	44171363	44171539	44171744	44173883	-
Kdelc2	MmuEX0025246	chr9	53200236	53202041	53202237	53203949	+
Kdelc2	MmuEX0025247	chr9	53204143	53206025	53206129	53207792	+
Kdelr1	MmuEX0025248	chr7	53129571	53135812	53136741	53136870	+
Kdelr2	MmuEX0025249	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Kdelr2	MmuEX0025250	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Kdelr3	MmuEX0025251	chr15	79353341	79355234	79355392	79356097	+
Kdelr3	MmuEX0025252	chr15	79355392	79356097	79356349	79357502	+
Kdm1a	MmuEX0025253	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025254	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025255	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025256	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025257	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025258	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025259	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025260	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025261	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1a	MmuEX0025262	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Kdm1b	MmuEX0025263	chr13	47149104	47153046	47153066	47154145	+
Kdm1b	MmuEX0025264	chr13	47159599	47159940	47160014	47162814	+
Kdm1b	MmuEX0025265	chr13	47169211	47169723	47169797	47172752	+
Kdm1b	MmuEX0025266	chr13	47174668	47175805	47175957	47178244	+
Kdm1b	MmuEX0025267	chr13	47144674	47145979	47146068	47147158	+
Kdm1b	MmuEX0025268	chr13	47149104	47154145	47154183	47156122	+
Kdm1b	MmuEX0025269	chr13	47162951	47163833	47164004	47167261	+
Kdm1b	MmuEX0025270	chr13	47162951	47167261	47167388	47169080	+
Kdm2a	MmuEX0025271	chr19	4356926	4357265	4357400	4361538	-

Kdm2a	MmuEX0025272	chr19	4325046	4326511	4326560	4326809	-
Kdm2a	MmuEX0025273	chr19	4361584	4361977	4362055	4362776	-
Kdm2a	MmuEX0025274	chr19	4394892	4396311	4396825	4397934	-
Kdm2a	MmuEX0025275	chr19	4362914	4394792	4394892	4397934	-
Kdm2a	MmuEX0025276	chr19	4362914	4388941	4389057	4394792	-
Kdm2b	MmuEX0025278	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Kdm2b	MmuEX0025280	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Kdm2b	MmuEX0025281	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Kdm2b	MmuEX0025282	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Kdm2b	MmuEX0025283	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Kdm3a	MmuEX0025284	chr6	71563989	71564385	71564529	71566812	-
Kdm3a	MmuEX0025285	chr6	71562010	71563826	71563989	71566812	-
Kdm3a	MmuEX0025286	chr6	71550581	71550717	71550869	71553928	-
Kdm3a	MmuEX0025287	chr6	71570204	71570438	71570562	71571339	-
Kdm3a	MmuEX0025288	chr6	71563989	71566812	71566864	71569952	-
Kdm3a	MmuEX0025289	chr6	71582265	71582491	71582573	71582832	-
Kdm3b	MmuEX0025290	chr18	34970114	34972026	34972240	34973063	+
Kdm3b	MmuEX0025291	chr18	34937630	34952028	34952154	34952658	+
Kdm3b	MmuEX0025292	chr18	34979542	34982026	34982153	34983086	+
Kdm3b	MmuEX0025293	chr18	34982153	34983086	34983365	34984356	+
Kdm3b	MmuEX0025294	chr18	34983365	34984356	34984612	34986993	+
Kdm3b	MmuEX0025295	chr18	34973215	34979435	34979542	34982026	+
Kdm3b	MmuEX0025296	chr18	34955434	34956442	34956566	34958939	+
Kdm3b	MmuEX0025297	chr18	34956676	34958939	34959013	34963104	+
Kdm3b	MmuEX0025298	chr18	34959013	34963104	34963703	34967895	+
Kdm3b	MmuEX0025299	chr18	34963703	34967895	34969143	34969913	+
Kdm4a	MmuEX0025300	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Kdm4a	MmuEX0025301	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Kdm4a	MmuEX0025302	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Kdm4b	MmuEX0025303	chr17	56465652	56491056	56491220	56492399	+
Kdm4b	MmuEX0025304	chr17	56515414	56524130	56524394	56525506	+
Kdm4b	MmuEX0025305	chr17	56465652	56483757	56483865	56491056	+
Kdm4b	MmuEX0025306	chr17	56525702	56528682	56528765	56528908	+
Kdm4c	MmuEX0025307	chr4	73897990	73908713	73908873	73917098	+
Kdm4c	MmuEX0025308	chr4	73957654	73958914	73958941	73961416	+
Kdm4c	MmuEX0025309	chr4	74003301	74004604	74004709	74005324	+
Kdm4c	MmuEX0025310	chr4	74003301	74005324	74005432	74019470	+
Kdm4c	MmuEX0025311	chr4	74019655	74022419	74022534	74023534	+
Kdm4c	MmuEX0025312	chr4	74019655	74023534	74023704	74037281	+
Kdm4c	MmuEX0025313	chr4	74023704	74029151	74029217	74037281	+
Kdm4c	MmuEX0025314	chr4	74037400	74045251	74045343	74050725	+
Kdm4c	MmuEX0025315	chr4	73908873	73915141	73915207	73917098	+
Kdm4c	MmuEX0025316	chr4	73908873	73917098	73917273	73926801	+
Kdm4c	MmuEX0025317	chr4	74023704	74037281	74037400	74045251	+
Kdm4c	MmuEX0025318	chr4	73917273	73926801	73926915	73944345	+
Kdm4c	MmuEX0025319	chr4	73952918	73957551	73957634	73961416	+
Kdm5a	MmuEX0025321	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+

Kdm5a	MmuEX0025322	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5a	MmuEX0025323	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5a	MmuEX0025324	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5a	MmuEX0025325	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5a	MmuEX0025326	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5a	MmuEX0025327	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5a	MmuEX0025328	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Kdm5b	MmuEX0025329	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Kdm5b	MmuEX0025330	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Kdm5b	MmuEX0025331	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Kdm5b	MmuEX0025332	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Kdm5c	MmuEX0025333	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Kdm5c	MmuEX0025334	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Kdm5c	MmuEX0025335	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Kdm5c	MmuEX0025336	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Kdm5c	MmuEX0025337	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Kdm5d	MmuEX0025338	chrY	278755	278885	279084	279267	+
Kdm5d	MmuEX0025339	chrY	235993	236230	236400	236922	+
Kdm5d	MmuEX0025340	chrY	237056	246891	247029	247129	+
Kdm5d	MmuEX0025341	chrY	234558	234993	235070	235871	+
Kdm6a	MmuEX0025342	chrX	17740573	17776284	17776392	17785862	+
Kdm6a	MmuEX0025344	chrX	17828228	17831130	17831908	17834962	+
Kdm6a	MmuEX0025345	chrX	17838754	17839356	17839561	17841074	+
Kdm6a	MmuEX0025346	chrX	17776392	17785862	17785911	17794064	+
Kdm6a	MmuEX0025347	chrX	17852287	17854502	17854689	17855752	+
Kdm6a	MmuEX0025348	chrX	17794122	17799883	17800003	17810986	+
Kdm6a	MmuEX0025349	chrX	17740298	17740510	17740573	17776284	+
Kdm6a	MmuEX0025350	chrX	17785911	17794064	17794122	17799883	+
Kdm6a	MmuEX0025351	chrX	17818954	17823140	17823190	17823323	+
Kdm6a	MmuEX0025352	chrX	17835091	17838649	17838754	17839356	+
Kdm6a	MmuEX0025353	chrX	17823542	17824101	17824235	17825396	+
Kdm6a	MmuEX0025354	chrX	17823542	17824693	17824848	17825396	+
Kdm6a	MmuEX0025355	chrX	17825485	17826879	17826980	17827833	+
Kdm6b	MmuEX0025356	chr11	69221903	69222166	69222283	69227035	-
Kdm6b	MmuEX0025357	chr11	69221341	69221528	69221669	69221760	-
Kdm6b	MmuEX0025358	chr11	69220111	69220199	69220402	69220486	-
Kdr	MmuEX0025359	chr5	76330643	76332320	76332405	76332864	-
Kdsr	MmuEX0025360	chr1	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Kdsr	MmuEX0025361	chr1	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Keap1	MmuEX0025362	chr9	21035312	21035694	21035870	21036141	-
Keap1	MmuEX0025363	chr9	21036346	21041515	21042200	21043237	-
Keap1	MmuEX0025364	chr9	21036346	21037832	21038517	21041515	-
Khdrbs1	MmuEX0025371	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Khdrbs1	MmuEX0025373	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Khdrbs3	MmuEX0025377	chr15	68760087	68795455	68795527	68825482	+
Khdrbs3	MmuEX0025378	chr15	68879891	68921564	68921622	68923331	+
Khdrbs3	MmuEX0025379	chr15	68825600	68843788	68843904	68847758	+

Khdrbs3	MmuEX0025380	chr15	68843904	68847758	68847904	68855130	+
Khdrbs3	MmuEX0025381	chr15	68847904	68855130	68855269	68879809	+
Khdrbs3	MmuEX0025382	chr15	68855269	68860145	68860340	68879809	+
Khdrbs3	MmuEX0025383	chr15	68860340	68879809	68879891	68921564	+
Khk	MmuEX0025384	chr5	31233009	31233089	31233246	31233335	+
Khk	MmuEX0025385	chr5	31224380	31227112	31227228	31230816	+
Khk	MmuEX0025386	chr5	31227228	31229061	31229195	31230816	+
Khk	MmuEX0025387	chr5	31227228	31229395	31229529	31230816	+
Khbyn	MmuEX0025388	chr14	56504828	56505017	56505066	56505329	+
Khbyn	MmuEX0025389	chr14	56506681	56506758	56506854	56512829	+
Khbyn	MmuEX0025390	chr14	56506854	56507386	56507435	56512829	+
Kidins220	MmuEX0025391	chr12	25725434	25735960	25736091	25737662	+
Kidins220	MmuEX0025392	chr12	25667242	25671769	25671867	25673397	+
Kidins220	MmuEX0025393	chr12	25671867	25673397	25673495	25674603	+
Kidins220	MmuEX0025394	chr12	25688018	25688809	25688988	25689918	+
Kidins220	MmuEX0025395	chr12	25738899	25741447	25741527	25746083	+
Kidins220	MmuEX0025396	chr12	25723415	25725321	25725434	25735960	+
Kidins220	MmuEX0025397	chr12	25723415	25726111	25726167	25735960	+
Kidins220	MmuEX0025398	chr12	25723415	25731068	25731100	25735960	+
Kidins220	MmuEX0025399	chr12	25723415	25732759	25732791	25735960	+
Kif13a	MmuEX0025406	chr13	46960200	47024585	47024675	47024936	-
Kif13a	MmuEX0025407	chr13	46866738	46866875	46866967	46868140	-
Kif13a	MmuEX0025408	chr13	46848241	46855632	46855673	46856032	-
Kif13a	MmuEX0025409	chr13	46920709	46922062	46922149	46926163	-
Kif13a	MmuEX0025410	chr13	46919430	46920575	46920709	46922062	-
Kif13a	MmuEX0025411	chr13	46943755	46960188	46960200	47024585	-
Kif13a	MmuEX0025412	chr13	46845995	46846071	46846142	46847450	-
Kif13a	MmuEX0025413	chr13	46858822	46859969	46860016	46864523	-
Kif13a	MmuEX0025414	chr13	46848241	46856642	46856793	46858717	-
Kif13a	MmuEX0025415	chr13	46848241	46856032	46856136	46856642	-
Kif13a	MmuEX0025416	chr13	46874362	46875995	46876033	46880615	-
Kif13b	MmuEX0025418	chr14	65357478	65361144	65361274	65363713	+
Kif13b	MmuEX0025419	chr14	65363799	65365136	65365326	65365766	+
Kif13b	MmuEX0025420	chr14	65365976	65367283	65367445	65369050	+
Kif13b	MmuEX0025421	chr14	65379638	65382047	65382180	65383840	+
Kif13b	MmuEX0025422	chr14	65401232	65407245	65407356	65408402	+
Kif13b	MmuEX0025423	chr14	65407356	65408402	65408535	65419182	+
Kif13b	MmuEX0025424	chr14	65408535	65411600	65411667	65421811	+
Kif13b	MmuEX0025425	chr14	65411667	65418430	65418539	65419182	+
Kif13b	MmuEX0025426	chr14	65341231	65343537	65343671	65345911	+
Kif13b	MmuEX0025427	chr14	65408535	65419182	65419244	65421811	+
Kif13b	MmuEX0025428	chr14	65398605	65401179	65401232	65407245	+
Kif16b	MmuEX0025449	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025450	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025451	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025452	chr2	1.42E+08	1.42E+08	1.42E+08	1.43E+08	-
Kif16b	MmuEX0025453	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-

Kif16b	MmuEX0025454	chr2	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Kif16b	MmuEX0025455	chr2	1.42E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025456	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025457	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025458	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif16b	MmuEX0025459	chr2	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Kif1b	MmuEX0025489	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025490	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025491	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025492	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025493	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025494	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025495	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025496	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025497	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025498	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025499	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025500	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025501	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1b	MmuEX0025502	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Kif1c	MmuEX0025503	chr11	70520588	70521944	70522113	70522281	+
Kif1c	MmuEX0025504	chr11	70532595	70537406	70537427	70537550	+
Kif1c	MmuEX0025505	chr11	70518579	70518672	70518783	70519183	+
Kif1c	MmuEX0025506	chr11	70514211	70515948	70516053	70516274	+
Kif21a	MmuEX0025521	chr15	90796063	90796193	90796253	90796768	-
Kif21a	MmuEX0025522	chr15	90781805	90783142	90783249	90786726	-
Kif21a	MmuEX0025523	chr15	90769533	90770266	90770375	90770862	-
Kif21a	MmuEX0025524	chr15	90790179	90795406	90795426	90795898	-
Kif21a	MmuEX0025525	chr15	90803146	90806902	90806940	90811226	-
Kif21a	MmuEX0025526	chr15	90774332	90786726	90786940	90789508	-
Kif21a	MmuEX0025527	chr15	90774332	90781677	90781805	90783142	-
Kif21a	MmuEX0025528	chr15	90774332	90779437	90779475	90786726	-
Kif21a	MmuEX0025529	chr15	90774332	90778755	90778769	90779437	-
Kif23	MmuEX0025547	chr9	61766777	61767419	61767497	61767682	-
Kif26a	MmuEX0025560	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Kif26a	MmuEX0025561	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Kif26a	MmuEX0025562	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Kif26a	MmuEX0025563	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Kif2a	MmuEX0025572	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025573	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025574	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025575	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025576	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025577	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025578	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif2a	MmuEX0025579	chr13	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Kif3a	MmuEX0025585	chr11	53381033	53384038	53384311	53392346	+

Kif3a	MmuEX0025586	chr11	53408453	53408698	53408839	53411461	+
Kif3a	MmuEX0025587	chr11	53408453	53409489	53409566	53411461	+
Kif3a	MmuEX0025588	chr11	53396868	53397317	53397514	53397773	+
Kif3a	MmuEX0025589	chr11	53402262	53404219	53404227	53406876	+
Kif3a	MmuEX0025590	chr11	53407889	53408328	53408453	53411461	+
Kif3a	MmuEX0025591	chr11	53400432	53402191	53402262	53404219	+
Kif3b	MmuEX0025592	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Kif3c	MmuEX0025593	chr12	3389741	3390438	3390554	3401683	+
Kif5b	MmuEX0025601	chr18	6225682	6225766	6225821	6226380	-
Kif5b	MmuEX0025602	chr18	6227659	6234813	6234900	6240980	-
Kif5b	MmuEX0025603	chr18	6226966	6227586	6227659	6234813	-
Kifap3	MmuEX0025618	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Kifap3	MmuEX0025619	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Kifap3	MmuEX0025620	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Kifap3	MmuEX0025621	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Kifap3	MmuEX0025622	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Kifap3	MmuEX0025623	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Kifc1	MmuEX0025626	chr17	34018449	34018933	34019006	34019102	-
Kifc2	MmuEX0025627	chr15	76494609	76494712	76494875	76496459	+
Kifc2	MmuEX0025628	chr15	76496563	76496659	76496780	76496877	+
Kifc2	MmuEX0025629	chr15	76497000	76497093	76497222	76497305	+
Kifc2	MmuEX0025630	chr15	76491814	76491910	76492048	76492157	+
Kifc2	MmuEX0025631	chr15	76492302	76492376	76492441	76492531	+
Kifc2	MmuEX0025632	chr15	76493326	76493404	76493513	76494501	+
Kifc3	MmuEX0025633	chr8	97658759	97661815	97662019	97666332	-
Kifc3	MmuEX0025634	chr8	97634659	97637171	97637319	97650426	-
Kifc3	MmuEX0025635	chr8	97624352	97624547	97624573	97625309	-
Kifc3	MmuEX0025636	chr8	97634659	97653096	97653234	97658617	-
Kifc3	MmuEX0025637	chr8	97634659	97650426	97650607	97658617	-
Kin	MmuEX0025639	chr2	10002371	10007357	10007451	10011740	+
Kin	MmuEX0025640	chr2	10007451	10011740	10011783	10011868	+
Kin	MmuEX0025641	chr2	10012103	10012384	10012501	10013345	+
Kirrel	MmuEX0025643	chr3	86892188	86892281	86892407	86893073	-
Kit	MmuEX0025661	chr5	76043861	76044412	76044539	76045572	+
Kitl	MmuEX0025664	chr10	99550854	99551830	99551905	99558652	+
Kitl	MmuEX0025665	chr10	99514593	99518399	99518492	99526718	+
Kitl	MmuEX0025666	chr10	99538930	99539369	99539539	99542608	+
Kitl	MmuEX0025667	chr10	99542764	99543491	99543574	99549981	+
Kitl	MmuEX0025668	chr10	99550090	99550787	99550854	99551830	+
Klc1	MmuEX0025669	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025670	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025671	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025672	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025673	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025674	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025675	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025676	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+

Klc1	MmuEX0025677	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025678	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc1	MmuEX0025679	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Klc2	MmuEX0025680	chr19	5110264	5110367	5110416	5111138	-
Klc2	MmuEX0025681	chr19	5109841	5110197	5110258	5110367	-
Klc2	MmuEX0025682	chr19	5114171	5117194	5117432	5118122	-
Klc4	MmuEX0025684	chr17	46781461	46782030	46782102	46782924	-
Klf11	MmuEX0025685	chr12	25336431	25338424	25338675	25339708	+
Klf11	MmuEX0025686	chr12	25338675	25339708	25340641	25345048	+
Klf2	MmuEX0025695	chr8	74843048	74843325	74844141	74844643	+
Klf3	MmuEX0025696	chr5	65214268	65218043	65218121	65218349	+
Klf3	MmuEX0025697	chr5	65195030	65207974	65208069	65213113	+
Klf3	MmuEX0025698	chr5	65213596	65214118	65214268	65218349	+
Klf4	MmuEX0025699	chr4	55543855	55544502	55544622	55544739	-
Klf6	MmuEX0025700	chr13	5861088	5862804	5862871	5864014	+
Klf7	MmuEX0025701	chr1	64082338	64088888	64089011	64125281	-
Klf7	MmuEX0025702	chr1	64125908	64167474	64167713	64168776	-
Klhdc1	MmuEX0025707	chr12	70359614	70360488	70360600	70364136	+
Klhdc1	MmuEX0025708	chr12	70360600	70364136	70364208	70369229	+
Klhdc1	MmuEX0025709	chr12	70364208	70369229	70369313	70370813	+
Klhdc1	MmuEX0025710	chr12	70352475	70352915	70353033	70354679	+
Klhdc1	MmuEX0025711	chr12	70354757	70357162	70357245	70359010	+
Klhdc1	MmuEX0025712	chr12	70357245	70359010	70359093	70359556	+
Klhdc10	MmuEX0025713	chr6	30352150	30375549	30375585	30377709	+
Klhdc10	MmuEX0025714	chr6	30352150	30377709	30377795	30389644	+
Klhdc10	MmuEX0025715	chr6	30397988	30399491	30399630	30400487	+
Klhdc10	MmuEX0025716	chr6	30389865	30391777	30391931	30394427	+
Klhdc2	MmuEX0025717	chr12	70408677	70409945	70410032	70410974	+
Klhdc2	MmuEX0025718	chr12	70410032	70410974	70411026	70411140	+
Klhdc2	MmuEX0025719	chr12	70401282	70403311	70403428	70404521	+
Klhdc2	MmuEX0025720	chr12	70406695	70406770	70406828	70408177	+
Klhdc2	MmuEX0025721	chr12	70406828	70408177	70408286	70408605	+
Klhdc3	MmuEX0025722	chr17	46815057	46815230	46815442	46815991	-
Klhdc3	MmuEX0025723	chr17	46814267	46814377	46814448	46814634	-
Klhdc3	MmuEX0025724	chr17	46815442	46815991	46816136	46817651	-
Klhdc4	MmuEX0025725	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Klhdc4	MmuEX0025726	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Klhdc4	MmuEX0025727	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Klhdc5	MmuEX0025728	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Klhdc8a	MmuEX0025729	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Klhdc8b	MmuEX0025730	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Klhdc8b	MmuEX0025731	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Klhdc8b	MmuEX0025732	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Klhdc8b	MmuEX0025733	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Klhl12	MmuEX0025735	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Klhl12	MmuEX0025736	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Klhl12	MmuEX0025737	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+

Klhl12	MmuEX0025738	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Klhl15	MmuEX0025745	chrX	91487334	91497754	91498465	91517695	+
Klhl15	MmuEX0025746	chrX	91481258	91487284	91487334	91497754	+
Klhl17	MmuEX0025747	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Klhl17	MmuEX0025748	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Klhl17	MmuEX0025749	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Klhl17	MmuEX0025750	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Klhl17	MmuEX0025751	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Klhl18	MmuEX0025752	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl18	MmuEX0025753	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl18	MmuEX0025754	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl18	MmuEX0025755	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl18	MmuEX0025756	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl18	MmuEX0025757	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl18	MmuEX0025758	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Klhl2	MmuEX0025759	chr8	67346997	67358342	67358467	67373531	-
Klhl2	MmuEX0025760	chr8	67221895	67228492	67228620	67230526	-
Klhl2	MmuEX0025761	chr8	67221895	67227829	67227969	67230526	-
Klhl2	MmuEX0025762	chr8	67219771	67221752	67221895	67230526	-
Klhl2	MmuEX0025763	chr8	67258657	67277158	67277256	67335580	-
Klhl2	MmuEX0025764	chr8	67243029	67258495	67258657	67335580	-
Klhl20	MmuEX0025765	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Klhl20	MmuEX0025766	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Klhl20	MmuEX0025767	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Klhl20	MmuEX0025768	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Klhl20	MmuEX0025769	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Klhl21	MmuEX0025770	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Klhl22	MmuEX0025771	chr16	17777213	17782491	17782636	17784296	+
Klhl22	MmuEX0025772	chr16	17789463	17792186	17792403	17792519	+
Klhl22	MmuEX0025773	chr16	17771962	17776495	17777213	17784296	+
Klhl24	MmuEX0025774	chr16	20116075	20116863	20116939	20117941	+
Klhl24	MmuEX0025775	chr16	20102127	20106736	20107716	20114634	+
Klhl24	MmuEX0025776	chr16	20097744	20102065	20102127	20106736	+
Klhl24	MmuEX0025777	chr16	20107716	20114634	20114818	20115957	+
Klhl24	MmuEX0025778	chr16	20114818	20115957	20116075	20117941	+
Klhl26	MmuEX0025779	chr8	72979547	72999706	72999835	73000749	-
Klhl26	MmuEX0025780	chr8	72979547	72980089	72980198	73000749	-
Klhl26	MmuEX0025781	chr8	72976918	72979365	72979547	73000749	-
Klhl28	MmuEX0025782	chr12	66052806	66057826	66058724	66066396	-
Klhl28	MmuEX0025783	chr12	66051209	66052363	66052806	66057826	-
Klhl30	MmuEX0025789	chr1	93254487	93255365	93255553	93255913	+
Klhl32	MmuEX0025791	chr4	24544693	24554044	24554138	24556307	-
Klhl36	MmuEX0025798	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Klhl5	MmuEX0025800	chr5	65532681	65533100	65533244	65534478	+
Klhl6	MmuEX0025801	chr16	19957447	19966028	19966193	19982790	-
Klhl7	MmuEX0025802	chr5	23633922	23638708	23638811	23640782	+
Klhl7	MmuEX0025803	chr5	23640957	23644124	23644298	23646969	+

Klhl7	MmuEX0025804	chr5	23606692	23632640	23632742	23646969	+
Klhl7	MmuEX0025805	chr5	23606692	23633487	23633580	23646969	+
Klhl7	MmuEX0025806	chr5	23606692	23633798	23633922	23640782	+
Klhl7	MmuEX0025807	chr5	23647111	23654943	23655183	23662708	+
Klhl7	MmuEX0025808	chr5	23655183	23657537	23657658	23662708	+
Klk8	MmuEX0025813	chr7	51053502	51053994	51054153	51054435	+
Klraq1	MmuEX0025819	chr17	88929658	88942185	88942253	88944661	+
Klraq1	MmuEX0025820	chr17	88954242	88954922	88955071	88957929	+
Klraq1	MmuEX0025821	chr17	88968547	88969227	88969345	88971943	+
Klraq1	MmuEX0025822	chr17	88972095	88974532	88974624	88976478	+
Klraq1	MmuEX0025823	chr17	88942253	88944062	88944202	88944661	+
Klraq1	MmuEX0025824	chr17	88979891	88981755	88981853	88983193	+
Kng2	MmuEX0025845	chr16	22986141	22988318	22988398	22997096	-
Kpna1	MmuEX0025866	chr16	36019475	36020242	36020330	36020774	+
Kpna1	MmuEX0025867	chr16	36020330	36020774	36020873	36021571	+
Kpna1	MmuEX0025868	chr16	36020873	36021571	36021734	36023261	+
Kpna1	MmuEX0025869	chr16	36031383	36033338	36033516	36033807	+
Kpna1	MmuEX0025870	chr16	36009501	36012979	36013073	36019344	+
Kpna1	MmuEX0025871	chr16	36013073	36015973	36016095	36019344	+
Kpna3	MmuEX0025874	chr14	62010682	62021835	62021879	62058560	-
Kpna3	MmuEX0025875	chr14	62002116	62003425	62003594	62003940	-
Kpna3	MmuEX0025876	chr14	61993252	62002072	62002116	62003425	-
Kpna3	MmuEX0025877	chr14	62010288	62010385	62010414	62010593	-
Kpna4	MmuEX0025878	chr3	68880766	68882837	68882986	68883299	-
Kpna6	MmuEX0025879	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Kpna6	MmuEX0025880	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Kpna6	MmuEX0025881	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Kpna6	MmuEX0025882	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Kpnb1	MmuEX0025885	chr11	97030250	97030462	97030609	97031216	-
Kptn	MmuEX0025886	chr7	16705921	16706061	16706145	16706219	+
Kptn	MmuEX0025887	chr7	16709230	16709304	16709381	16710066	+
Kptn	MmuEX0025888	chr7	16706145	16706219	16706273	16708384	+
Kptn	MmuEX0025889	chr7	16708459	16708549	16708618	16709121	+
Kras	MmuEX0025890	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Kras	MmuEX0025891	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Kras	MmuEX0025892	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Kras	MmuEX0025893	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Kras	MmuEX0025894	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Krba1	MmuEX0025895	chr6	48361793	48362273	48362425	48363077	+
Krba1	MmuEX0025896	chr6	48362425	48362867	48362947	48363077	+
Krba1	MmuEX0025897	chr6	48353009	48353377	48353496	48353990	+
Krba1	MmuEX0025898	chr6	48353496	48353990	48354139	48355233	+
Krba1	MmuEX0025899	chr6	48354139	48355233	48355388	48356296	+
Krba1	MmuEX0025900	chr6	48345886	48352883	48353009	48353377	+
Krba1	MmuEX0025901	chr6	48357821	48358644	48358725	48359169	+
Krba1	MmuEX0025902	chr6	48355388	48356299	48356430	48356833	+
Krba1	MmuEX0025903	chr6	48356430	48356833	48356978	48357672	+

Krcc1	MmuEX0025904	chr6	71221834	71232145	71232311	71233958	+
Kremen1	MmuEX0025905	chr11	5115534	5138414	5138505	5143778	-
Kremen1	MmuEX0025906	chr11	5099714	5101700	5102032	5109942	-
Kremen1	MmuEX0025907	chr11	5110095	5115410	5115534	5138368	-
Kremen1	MmuEX0025908	chr11	5102032	5109942	5110095	5138368	-
Kri1	MmuEX0025910	chr9	21081079	21082730	21082993	21083805	-
Kri1	MmuEX0025911	chr9	21086672	21089685	21089811	21091023	-
Kri1	MmuEX0025912	chr9	21086542	21086618	21086672	21089685	-
Kri1	MmuEX0025913	chr9	21084933	21085486	21085613	21086106	-
Kri1	MmuEX0025914	chr9	21078692	21079713	21079811	21079881	-
Krit1	MmuEX0025915	chr5	3803483	3806465	3806568	3807299	+
Krit1	MmuEX0025916	chr5	3812857	3813051	3813194	3818527	+
Krit1	MmuEX0025917	chr5	3822243	3823634	3823785	3830606	+
Krit1	MmuEX0025918	chr5	3823785	3827628	3827761	3830606	+
Krit1	MmuEX0025919	chr5	3823785	3830606	3830772	3831496	+
Krit1	MmuEX0025920	chr5	3830772	3831496	3831583	3832020	+
Krit1	MmuEX0025921	chr5	3832226	3836778	3836894	3840874	+
Krit1	MmuEX0025922	chr5	3806568	3806754	3806903	3807299	+
Krit1	MmuEX0025923	chr5	3806568	3807299	3807458	3809636	+
Krit1	MmuEX0025924	chr5	3811385	3812332	3812575	3813051	+
Krit1	MmuEX0025925	chr5	3813194	3813272	3813419	3818527	+
Krr1	MmuEX0025926	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Krr1	MmuEX0025927	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Krr1	MmuEX0025928	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Krr1	MmuEX0025929	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Krtcap2	MmuEX0025937	chr3	89050515	89050703	89050854	89052996	+
Krtcap2	MmuEX0025938	chr3	89050515	89050987	89051050	89052996	+
Krtcap3	MmuEX0025942	chr5	31555162	31555268	31555375	31555471	+
Ktn1	MmuEX0025955	chr14	48309790	48310584	48310652	48312114	+
Ktn1	MmuEX0025956	chr14	48314322	48314438	48314519	48315178	+
Ktn1	MmuEX0025957	chr14	48287108	48289800	48289973	48292615	+
Ktn1	MmuEX0025958	chr14	48328567	48330517	48330576	48332149	+
Ktn1	MmuEX0025959	chr14	48345675	48345901	48345984	48346146	+
Ktn1	MmuEX0025960	chr14	48310652	48312114	48312151	48313079	+
Ktn1	MmuEX0025961	chr14	48323952	48324095	48324163	48325438	+
Ktn1	MmuEX0025962	chr14	48344645	48345604	48345675	48345901	+
Ktn1	MmuEX0025963	chr14	48345984	48346146	48346229	48350015	+
Ktn1	MmuEX0025964	chr14	48352997	48353830	48353939	48355775	+
Ktn1	MmuEX0025965	chr14	48320329	48320744	48320834	48321350	+
Ktn1	MmuEX0025966	chr14	48320834	48321350	48321418	48322804	+
Ktn1	MmuEX0025967	chr14	48330576	48332149	48332183	48334307	+
Ktn1	MmuEX0025968	chr14	48334397	48336549	48336635	48339871	+
L3mbtl2	MmuEX0025992	chr15	81513487	81514273	81514420	81514731	+
L3mbtl2	MmuEX0025993	chr15	81514813	81515144	81515378	81515811	+
L3mbtl2	MmuEX0025994	chr15	81500680	81501498	81501577	81505945	+
L3mbtl2	MmuEX0025995	chr15	81501577	81505945	81506062	81512350	+
L3mbtl2	MmuEX0025996	chr15	81501577	81506688	81506822	81512350	+

L3mbt12	MmuEX0025997	chr15	81501577	81507255	81507343	81512350	+
L3mbt13	MmuEX0025998	chr10	26051761	26056039	26056143	26057574	-
L3mbt13	MmuEX0025999	chr10	26050072	26051626	26051761	26056039	-
L3mbt13	MmuEX0026000	chr10	26038259	26047493	26047644	26049981	-
L3mbt13	MmuEX0026001	chr10	26002665	26012447	26012599	26022459	-
L3mbt13	MmuEX0026002	chr10	26000219	26002586	26002665	26012447	-
L3mbt13	MmuEX0026005	chr10	26064057	26064418	26064529	26067551	-
L3mbt13	MmuEX0026006	chr10	26060846	26062314	26062473	26063983	-
L3mbt13	MmuEX0026007	chr10	25999485	25999744	26000219	26002586	-
L3mbt13	MmuEX0026008	chr10	26062473	26063983	26064057	26064418	-
Lace1	MmuEX0026013	chr10	42158211	42174113	42174336	42198069	-
Lace1	MmuEX0026014	chr10	42060058	42079971	42080053	42120147	-
Lace1	MmuEX0026015	chr10	42080053	42115948	42116182	42120147	-
Lace1	MmuEX0026016	chr10	42080053	42120147	42120205	42135355	-
Lace1	MmuEX0026017	chr10	42080053	42114632	42114823	42120147	-
Lace1	MmuEX0026018	chr10	42146393	42158160	42158211	42174113	-
Lace1	MmuEX0026019	chr10	42135454	42146292	42146393	42158160	-
Lace1	MmuEX0026020	chr10	42135454	42144984	42145114	42146292	-
Lactb	MmuEX0026021	chr9	66804007	66815486	66815651	66818389	-
Lactb2	MmuEX0026022	chr1	13640965	13642849	13642940	13650544	-
Lactb2	MmuEX0026023	chr1	13637592	13640802	13640965	13650410	-
Lactb2	MmuEX0026024	chr1	13628490	13637466	13637592	13640802	-
Lactb2	MmuEX0026025	chr1	13616985	13617437	13617518	13620146	-
Lair1	MmuEX0026028	chr7	3961436	3961853	3961902	3962068	-
Lair1	MmuEX0026029	chr7	3962448	3980309	3980638	4007399	-
Lair1	MmuEX0026030	chr7	3962234	3962332	3962448	3980309	-
Lama2	MmuEX0026034	chr10	26955632	26963477	26963588	26984724	-
Lama2	MmuEX0026035	chr10	26955632	26955825	26955878	26963477	-
Lama2	MmuEX0026036	chr10	27142520	27179100	27179212	27187010	-
Lama2	MmuEX0026037	chr10	26764384	26770004	26770158	26774309	-
Lama2	MmuEX0026038	chr10	27083466	27085868	27085957	27088783	-
Lama2	MmuEX0026039	chr10	26770158	26772834	26772839	26774309	-
Lama2	MmuEX0026040	chr10	26738339	26741267	26741278	26743078	-
Lama4	MmuEX0026052	chr10	38767933	38773547	38773663	38776583	+
Lama4	MmuEX0026053	chr10	38793516	38793931	38794093	38794470	+
Lama4	MmuEX0026054	chr10	38730928	38737127	38737207	38746341	+
Lama5	MmuEX0026055	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026056	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026057	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026058	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026059	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026060	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026061	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026062	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026063	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026064	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026065	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-

Lama5	MmuEX0026066	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026067	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026068	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026069	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026070	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026071	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026072	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lama5	MmuEX0026073	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Lamb1	MmuEX0026074	chr12	31992054	31992815	31992911	32003129	+
Lamb1	MmuEX0026075	chr12	32009185	32011035	32011242	32011433	+
Lamb1	MmuEX0026076	chr12	32012686	32013975	32014134	32014222	+
Lamb1	MmuEX0026077	chr12	31957368	31963327	31963515	31963601	+
Lamb2	MmuEX0026078	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Lamb2	MmuEX0026079	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Lamb2	MmuEX0026080	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Lamb3	MmuEX0026083	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	+
Lamb3	MmuEX0026084	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	+
Lamc1	MmuEX0026085	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Lamc1	MmuEX0026086	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Lamc2	MmuEX0026087	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Lamc2	MmuEX0026088	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Lamp1	MmuEX0026095	chr8	13159434	13165852	13165967	13167158	+
Lamp1	MmuEX0026096	chr8	13172660	13173074	13173203	13173627	+
Lamp2	MmuEX0026097	chrX	35758748	35774853	35775028	35777444	-
Lamp2	MmuEX0026098	chrX	35795317	35808483	35808533	35809426	-
Lancl1	MmuEX0026099	chr1	67053624	67055802	67055948	67056485	-
Lancl1	MmuEX0026100	chr1	67080815	67081995	67082061	67085069	-
Lancl1	MmuEX0026101	chr1	67055948	67056485	67056620	67067432	-
Lap3	MmuEX0026103	chr5	45896086	45897413	45897501	45898346	+
Laptm4a	MmuEX0026104	chr12	8938554	8938877	8938937	8940810	+
Laptm4a	MmuEX0026105	chr12	8938554	8940810	8941092	8941502	+
Laptm4a	MmuEX0026106	chr12	8938554	8941502	8941578	8941672	+
Laptm4a	MmuEX0026107	chr12	8941578	8941672	8941794	8942793	+
Laptm4b	MmuEX0026108	chr15	34168177	34188436	34188547	34202099	+
Laptm4b	MmuEX0026109	chr15	34188551	34202099	34202172	34202983	+
Laptm5	MmuEX0026110	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Large	MmuEX0026111	chr8	75738211	75864093	75864185	75876365	-
Large	MmuEX0026112	chr8	75656031	75738024	75738211	75876365	-
Large	MmuEX0026113	chr8	75342170	75347592	75347738	75361306	-
Large	MmuEX0026114	chr8	75656031	75656113	75656174	75738024	-
Large	MmuEX0026115	chr8	75339920	75341975	75342170	75347592	-
Large	MmuEX0026116	chr8	75383244	75407107	75407232	75409590	-
Large	MmuEX0026117	chr8	75409702	75435955	75436059	75572193	-
Large	MmuEX0026118	chr8	75572364	75622729	75622852	75640302	-
Large	MmuEX0026119	chr8	75640384	75655730	75656031	75738024	-
Larp1	MmuEX0026120	chr11	57856144	57856246	57856408	57857408	+
Larp1	MmuEX0026121	chr11	57856408	57857408	57857552	57861197	+

Larp1b	MmuEX0026122	chr3	40828473	40837308	40837468	40840612	+
Larp1b	MmuEX0026123	chr3	40837468	40837867	40838011	40839688	+
Larp1b	MmuEX0026125	chr3	40780597	40793912	40794275	40828367	+
Larp1b	MmuEX0026126	chr3	40771427	40773813	40773956	40774373	+
Larp1b	MmuEX0026127	chr3	40754606	40765530	40765588	40766091	+
Larp1b	MmuEX0026128	chr3	40765710	40766091	40766150	40767890	+
Larp1b	MmuEX0026129	chr3	40754606	40767890	40768064	40771287	+
Larp1b	MmuEX0026130	chr3	40768064	40771287	40771427	40773813	+
Larp4b	MmuEX0026131	chr13	9146750	9149072	9149182	9150111	+
Larp4b	MmuEX0026132	chr13	9163966	9165563	9165727	9167924	+
Larp4b	MmuEX0026133	chr13	9157475	9157797	9158048	9163921	+
Larp4b	MmuEX0026134	chr13	9093426	9117212	9117351	9121354	+
Larp4b	MmuEX0026135	chr13	9093426	9121354	9121472	9136025	+
Larp4b	MmuEX0026136	chr13	9093426	9123149	9123208	9136025	+
Lars	MmuEX0026138	chr18	42411034	42416724	42416848	42421615	-
Lars	MmuEX0026139	chr18	42401782	42402358	42402425	42402621	-
Lars	MmuEX0026140	chr18	42389681	42393454	42393531	42394235	-
Lars	MmuEX0026141	chr18	42410563	42410947	42411034	42416724	-
Lars	MmuEX0026142	chr18	42405731	42410483	42410563	42410947	-
Lars	MmuEX0026143	chr18	42402684	42403431	42403543	42404403	-
Lars	MmuEX0026144	chr18	42378298	42379512	42379602	42381133	-
Lars2	MmuEX0026145	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Lars2	MmuEX0026146	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Lars2	MmuEX0026147	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Lars2	MmuEX0026148	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Lars2	MmuEX0026149	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Las1l	MmuEX0026150	chrX	93147528	93148561	93148642	93150481	-
Las1l	MmuEX0026151	chrX	93142412	93142737	93142787	93143109	-
Las1l	MmuEX0026152	chrX	93148642	93150481	93150550	93151214	-
Lass2	MmuEX0026154	chr3	95125308	95125497	95125589	95125753	+
Lass2	MmuEX0026155	chr3	95125589	95125753	95125881	95126049	+
Lass2	MmuEX0026156	chr3	95124681	95124864	95124982	95125112	+
Lass2	MmuEX0026157	chr3	95125169	95125258	95125308	95125497	+
Lass4	MmuEX0026159	chr8	4493590	4515555	4515728	4516873	+
Lass4	MmuEX0026160	chr8	4521280	4521360	4521417	4523354	+
Lass4	MmuEX0026161	chr8	4518660	4519463	4519513	4520216	+
Lass4	MmuEX0026162	chr8	4519513	4520216	4520308	4520554	+
Lass4	MmuEX0026163	chr8	4515728	4516873	4516990	4518240	+
Lass5	MmuEX0026164	chr15	99569252	99569696	99569752	99569837	-
Lass5	MmuEX0026165	chr15	99566867	99567978	99568084	99569096	-
Lass5	MmuEX0026166	chr15	99576377	99577468	99577598	99581667	-
Lass5	MmuEX0026167	chr15	99572090	99576320	99576377	99581667	-
Lass5	MmuEX0026168	chr15	99570161	99572040	99572090	99576320	-
Lass5	MmuEX0026169	chr15	99570161	99571375	99571467	99572040	-
Lass5	MmuEX0026170	chr15	99569943	99570033	99570161	99571375	-
Lass6	MmuEX0026171	chr2	68906814	68909389	68909495	68943060	+
Lass6	MmuEX0026172	chr2	68909495	68943060	68943216	68946499	+

Lass6	MmuEX0026175	chr2	68772677	68785284	68785414	68840804	+
Lats1	MmuEX0026182	chr10	7411612	7417300	7417447	7421408	+
Lats1	MmuEX0026183	chr10	7425840	7427147	7427205	7430263	+
Lats1	MmuEX0026184	chr10	7417447	7421408	7422918	7425258	+
Lats1	MmuEX0026185	chr10	7430445	7430647	7430753	7432299	+
Lats2	MmuEX0026186	chr14	58321891	58352715	58353255	58364727	-
Lats2	MmuEX0026187	chr14	58315139	58315753	58316335	58318095	-
Lats2	MmuEX0026188	chr14	58310607	58313151	58313257	58314957	-
Lats2	MmuEX0026189	chr14	58316335	58318134	58319395	58321759	-
Layn	MmuEX0026193	chr9	50876301	50881953	50882250	50884991	-
Layn	MmuEX0026194	chr9	50870371	50871342	50871377	50876144	-
Layn	MmuEX0026195	chr9	50865761	50867562	50867661	50870288	-
Layn	MmuEX0026196	chr9	50882250	50884427	50884450	50884991	-
Lbp	MmuEX0026197	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lbp	MmuEX0026198	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lbp	MmuEX0026199	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lbr	MmuEX0026200	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Lbr	MmuEX0026201	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Lbr	MmuEX0026202	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Lbr	MmuEX0026203	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Lbr	MmuEX0026204	chr1	1.84E+08	1.84E+08	1.84E+08	1.84E+08	-
Lca5	MmuEX0026206	chr9	83289662	83292119	83292248	83293233	-
Lclat1	MmuEX0026217	chr17	73519034	73537215	73537361	73546019	+
Lclat1	MmuEX0026218	chr17	73457517	73511163	73511331	73518836	+
Lcmt1	MmuEX0026219	chr7	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Lcmt1	MmuEX0026220	chr7	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Lcmt1	MmuEX0026221	chr7	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Lcmt1	MmuEX0026222	chr7	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Lcmt1	MmuEX0026223	chr7	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Lcor	MmuEX0026229	chr19	41557273	41558017	41558090	41602511	+
Lcor	MmuEX0026230	chr19	41558090	41602511	41602576	41620365	+
Lcor	MmuEX0026231	chr19	41558090	41603051	41603130	41620365	+
Lcor	MmuEX0026232	chr19	41603130	41620365	41620497	41626939	+
Lcor	MmuEX0026233	chr19	41620497	41626939	41627226	41656268	+
Lcor	MmuEX0026234	chr19	41627226	41630098	41630191	41656268	+
Lcor	MmuEX0026235	chr19	41630191	41632801	41634409	41656268	+
Lcorl	MmuEX0026237	chr5	46125724	46126970	46127063	46138295	-
Lcorl	MmuEX0026238	chr5	46167738	46186532	46186597	46248586	-
Lcorl	MmuEX0026239	chr5	46166760	46167659	46167738	46186532	-
Lcorl	MmuEX0026240	chr5	46138546	46166631	46166730	46167659	-
Lcorl	MmuEX0026241	chr5	46093236	46138295	46138546	46166631	-
Ldb1	MmuEX0026250	chr19	46110855	46111449	46111560	46113545	-
Ldb1	MmuEX0026251	chr19	46108670	46108754	46108765	46108879	-
Ldb2	MmuEX0026252	chr5	44933098	45060596	45060698	45190601	-
Ldb2	MmuEX0026253	chr5	44871588	44923900	44923983	44926277	-
Ldb2	MmuEX0026254	chr5	44926399	44932926	44933098	45060596	-
Ldb2	MmuEX0026255	chr5	44864751	44867732	44867874	44870332	-

Ldb2	MmuEX0026256	chr5	44827431	44863954	44864751	44870332	-
Ldb3	MmuEX0026257	chr14	35355793	35357159	35357603	35365363	-
Ldb3	MmuEX0026258	chr14	35365508	35368529	35368714	35380043	-
Ldb3	MmuEX0026259	chr14	35380753	35390172	35390530	35391781	-
Ldb3	MmuEX0026260	chr14	35380753	35384904	35385107	35386176	-
Ldb3	MmuEX0026261	chr14	35380753	35382899	35382913	35384904	-
Ldhd	MmuEX0026263	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ldlr	MmuEX0026264	chr9	21539803	21541664	21541786	21542318	+
Ldlr	MmuEX0026265	chr9	21548507	21548674	21548829	21550176	+
Ldlrap1	MmuEX0026270	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lekr1	MmuEX0026276	chr3	65470233	65473012	65473100	65487814	+
Lekr1	MmuEX0026278	chr3	65473100	65473426	65473535	65487814	+
Lekr1	MmuEX0026279	chr3	65473100	65487814	65488028	65529233	+
Lemd3	MmuEX0026290	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026291	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026292	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026293	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026294	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026295	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026296	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026297	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026298	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lemd3	MmuEX0026299	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Leng1	MmuEX0026300	chr7	3615463	3615556	3615563	3616918	-
Leng8	MmuEX0026301	chr7	4088753	4090298	4090390	4091021	+
Leng8	MmuEX0026302	chr7	4091645	4092625	4092735	4093634	+
Leo1	MmuEX0026303	chr9	75293800	75294909	75295013	75296109	+
Leo1	MmuEX0026304	chr9	75302525	75303448	75303582	75304865	+
Leo1	MmuEX0026305	chr9	75296203	75297164	75297309	75298295	+
Lepre1	MmuEX0026307	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Lepre1	MmuEX0026308	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Lepre1	MmuEX0026309	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Lepre1	MmuEX0026310	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Lepre1	MmuEX0026311	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Leprel2	MmuEX0026313	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Leprel2	MmuEX0026314	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Leprel2	MmuEX0026315	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Leprel2	MmuEX0026316	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Leprel2	MmuEX0026317	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Leprot	MmuEX0026318	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Leprot	MmuEX0026319	chr4	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Leprotl1	MmuEX0026320	chr8	35202094	35203815	35203890	35209739	-
Letm1	MmuEX0026321	chr5	34121317	34122223	34122253	34125123	-
Letm1	MmuEX0026322	chr5	34103575	34104229	34104366	34105108	-
Letm1	MmuEX0026323	chr5	34095260	34103372	34103575	34104229	-
Letm1	MmuEX0026324	chr5	34086429	34087665	34087852	34088889	-
Letm1	MmuEX0026325	chr5	34105251	34112010	34112460	34121257	-

Letm2	MmuEX0026326	chr8	26689276	26690192	26690266	26690788	-
Letm2	MmuEX0026327	chr8	26695940	26697079	26697279	26697768	-
Letm2	MmuEX0026328	chr8	26692258	26695821	26695940	26697079	-
Letm2	MmuEX0026329	chr8	26704638	26706834	26706917	26707436	-
Letmd1	MmuEX0026330	chr15	1E+08	1E+08	1E+08	1E+08	+
Letmd1	MmuEX0026331	chr15	1E+08	1E+08	1E+08	1E+08	+
Lfng	MmuEX0026332	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Lgals1	MmuEX0026333	chr15	78758479	78758995	78759097	78760063	+
Lgals3	MmuEX0026338	chr14	48000093	48001271	48001359	48004277	+
Lgals4	MmuEX0026339	chr7	29625971	29626164	29626326	29626506	+
Lgals4	MmuEX0026340	chr7	29622775	29625281	29625313	29625433	+
Lgals8	MmuEX0026341	chr13	12548699	12551441	12551583	12553508	-
Lgals8	MmuEX0026342	chr13	12547212	12548611	12548699	12551441	-
Lgals8	MmuEX0026343	chr13	12543694	12547002	12547212	12548611	-
Lgals8	MmuEX0026344	chr13	12545045	12545552	12545671	12547002	-
Lgals8	MmuEX0026345	chr13	12543694	12544989	12545036	12545525	-
Lgals8	MmuEX0026346	chr13	12540774	12543668	12543694	12544989	-
Lgals9	MmuEX0026347	chr11	78780420	78780946	78780996	78781500	-
Lgals9	MmuEX0026348	chr11	78779588	78780379	78780420	78780946	-
Lgals9	MmuEX0026349	chr11	78781535	78783216	78783308	78784819	-
Lgr4	MmuEX0026355	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026356	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026357	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026358	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026359	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026360	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026361	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026362	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026363	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr4	MmuEX0026364	chr2	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Lgr6	MmuEX0026370	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lgr6	MmuEX0026371	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lgr6	MmuEX0026372	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lgr6	MmuEX0026373	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lhfp	MmuEX0026384	chr3	52847613	53035652	53035750	53064413	+
Lhpp	MmuEX0026394	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Lhpp	MmuEX0026395	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Lhpp	MmuEX0026396	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Lhx6	MmuEX0026398	chr2	35939595	35942888	35942991	35946482	-
Lhx6	MmuEX0026399	chr2	35939595	35946482	35946656	35946840	-
Lias	MmuEX0026403	chr5	65791214	65793850	65793995	65795407	+
Lias	MmuEX0026404	chr5	65789127	65791086	65791214	65793850	+
Lias	MmuEX0026405	chr5	65786684	65788842	65788998	65789070	+
Lifr	MmuEX0026406	chr15	7123560	7125560	7125705	7127432	+
Lifr	MmuEX0026407	chr15	7135733	7136866	7137027	7138075	+
Lifr	MmuEX0026408	chr15	7107267	7109391	7109521	7114529	+
Lig1	MmuEX0026409	chr7	13864308	13865497	13865570	13867802	+

Lig1	MmuEX0026410	chr7	13874844	13876536	13876661	13876805	+
Lig1	MmuEX0026414	chr7	13884177	13884389	13884488	13885611	+
Lig1	MmuEX0026415	chr7	13885696	13886280	13886395	13886733	+
Lig1	MmuEX0026416	chr7	13894605	13896358	13896450	13896545	+
Lig1	MmuEX0026417	chr7	13874108	13874743	13874844	13876536	+
Lig1	MmuEX0026418	chr7	13891404	13891562	13891644	13892868	+
Lig3	MmuEX0026419	chr11	82594778	82596848	82597401	82598817	+
Lig3	MmuEX0026420	chr11	82608954	82609211	82609288	82609530	+
Lig3	MmuEX0026421	chr11	82597401	82598817	82598960	82601130	+
Lig3	MmuEX0026422	chr11	82609653	82610808	82610950	82611276	+
Lilrb3	MmuEX0026428	chr7	3667334	3667636	3667819	3668196	-
Lilrb3	MmuEX0026429	chr7	3664432	3664510	3664665	3665422	-
Lilrb4	MmuEX0026430	chr10	51213984	51214599	51214651	51215800	+
Lima1	MmuEX0026431	chr15	99632643	99633073	99633092	99636854	-
Lima1	MmuEX0026432	chr15	99624949	99627173	99627230	99632542	-
Lima1	MmuEX0026433	chr15	99614084	99617756	99617814	99624840	-
Lima1	MmuEX0026434	chr15	99638174	99649925	99650389	99657223	-
Lima1	MmuEX0026435	chr15	99637002	99638090	99638174	99649925	-
Lima1	MmuEX0026437	chr15	99650389	99657223	99657268	99674106	-
Limch1	MmuEX0026438	chr5	67137244	67249122	67249192	67273138	+
Limch1	MmuEX0026439	chr5	67365901	67384382	67384417	67388359	+
Limch1	MmuEX0026440	chr5	67376914	67377450	67377776	67384382	+
Limch1	MmuEX0026441	chr5	67390627	67393667	67393888	67407704	+
Limch1	MmuEX0026442	chr5	67407794	67408856	67409016	67413131	+
Limch1	MmuEX0026443	chr5	67417351	67418727	67418807	67419997	+
Limch1	MmuEX0026444	chr5	67418807	67419997	67420089	67420941	+
Limch1	MmuEX0026445	chr5	67249192	67273138	67273207	67344908	+
Limch1	MmuEX0026446	chr5	67425528	67427265	67427342	67435585	+
Limch1	MmuEX0026447	chr5	67425528	67435585	67435693	67437938	+
Limch1	MmuEX0026448	chr5	67413236	67416544	67416612	67417311	+
Limd1	MmuEX0026449	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Limd1	MmuEX0026450	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Limd1	MmuEX0026451	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Lime1	MmuEX0026452	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Limk1	MmuEX0026453	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Limk1	MmuEX0026454	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Limk1	MmuEX0026455	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Limk1	MmuEX0026456	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Limk1	MmuEX0026457	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Limk2	MmuEX0026458	chr11	3293019	3296784	3297037	3309049	-
Limk2	MmuEX0026459	chr11	3247751	3248597	3248662	3250395	-
Limk2	MmuEX0026460	chr11	3261828	3268986	3269165	3270972	-
Limk2	MmuEX0026461	chr11	3260589	3270972	3270983	3292920	-
Limk2	MmuEX0026462	chr11	3247110	3247577	3247751	3248597	-
Limk2	MmuEX0026463	chr11	3248662	3250395	3250451	3250645	-
Limk2	MmuEX0026464	chr11	3252380	3252903	3252920	3253280	-
Limk2	MmuEX0026465	chr11	3260589	3292920	3293019	3309049	-

Limk2	MmuEX0026466	chr11	3260589	3261786	3261828	3292920	-
Limk2	MmuEX0026467	chr11	3260589	3261024	3261111	3261786	-
Lims1	MmuEX0026468	chr10	57876813	57879382	57879430	57881147	+
Lims1	MmuEX0026469	chr10	57872950	57875151	57875301	57876721	+
Lims1	MmuEX0026470	chr10	57881222	57881395	57881534	57884202	+
Lims1	MmuEX0026471	chr10	57786435	57861769	57861928	57870818	+
Lims1	MmuEX0026472	chr10	57861928	57870818	57870884	57872308	+
Lims2	MmuEX0026473	chr18	32091204	32101394	32101553	32103793	+
Lims2	MmuEX0026474	chr18	32116655	32116892	32116967	32117497	+
Lims2	MmuEX0026475	chr18	32116004	32116607	32116655	32116892	+
Lims2	MmuEX0026476	chr18	32101553	32103793	32103859	32104090	+
Lims2	MmuEX0026477	chr18	32114239	32114912	32115062	32115912	+
Lin54	MmuEX0026485	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Lin54	MmuEX0026486	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Lin54	MmuEX0026487	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Lin54	MmuEX0026488	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Lin54	MmuEX0026489	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Lin9	MmuEX0026492	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Lin9	MmuEX0026493	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Lin9	MmuEX0026494	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Lin9	MmuEX0026495	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Lin9	MmuEX0026496	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Lins	MmuEX0026509	chr7	73834909	73841062	73841192	73852926	+
Lins	MmuEX0026511	chr7	73841192	73852926	73853346	73858687	+
Lins	MmuEX0026512	chr7	73853439	73853525	73853614	73854180	+
Lins	MmuEX0026513	chr7	73853629	73854180	73854321	73855045	+
Lins	MmuEX0026514	chr7	73854321	73855116	73855632	73858687	+
Lins	MmuEX0026515	chr7	73855632	73856759	73856930	73858687	+
Lipa	MmuEX0026516	chr19	34576139	34581499	34581635	34583479	-
Lipa	MmuEX0026517	chr19	34569621	34574587	34574658	34575993	-
Lipe	MmuEX0026520	chr7	26165192	26165545	26165975	26168170	-
Lipe	MmuEX0026521	chr7	26170546	26173137	26173672	26180520	-
Lipe	MmuEX0026524	chr7	26161889	26168472	26168699	26202420	-
Lipe	MmuEX0026525	chr7	26161889	26168170	26168346	26202420	-
Lipe	MmuEX0026527	chr7	26161889	26180520	26180972	26202420	-
Lipe	MmuEX0026528	chr7	26173672	26174738	26174877	26180520	-
Lipe	MmuEX0026529	chr7	26161889	26170456	26170546	26202420	-
Lipe	MmuEX0026530	chr7	26161889	26170199	26170344	26202420	-
Lipe	MmuEX0026531	chr7	26161889	26169799	26169984	26202420	-
Lipe	MmuEX0026532	chr7	26161889	26169392	26169683	26202420	-
Lipo1	MmuEX0026538	chr19	33655064	33656543	33656741	33657537	-
Lipo1	MmuEX0026539	chr19	33634145	33654955	33655064	33656543	-
Lipo1	MmuEX0026540	chr19	33634145	33653852	33653988	33654955	-
Lipo1	MmuEX0026541	chr19	33632826	33634002	33634145	33653852	-
Lipo4	MmuEX0026542	chr19	33576115	33577644	33577787	33585847	-
Litaf	MmuEX0026543	chr16	10963506	10966518	10966742	10993139	-
Lix1l	MmuEX0026545	chr3	96422664	96425232	96425327	96426066	+

Lix1l	MmuEX0026546	chr3	96418478	96422524	96422664	96425232	+
Llgl1	MmuEX0026547	chr11	60522199	60522291	60522395	60522937	+
Llgl1	MmuEX0026548	chr11	60522395	60522937	60523229	60523483	+
Llgl1	MmuEX0026549	chr11	60520075	60520254	60520308	60520461	+
Llgl2	MmuEX0026550	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Llgl2	MmuEX0026551	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Llgl2	MmuEX0026552	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Llgl2	MmuEX0026553	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lman1	MmuEX0026554	chr18	66142364	66143479	66143541	66143807	-
Lman1	MmuEX0026555	chr18	66158136	66158220	66158374	66162028	-
Lman2	MmuEX0026556	chr13	55454424	55463482	55463600	55463749	-
Lman2	MmuEX0026557	chr13	55453151	55454307	55454424	55463482	-
Lman2	MmuEX0026558	chr13	55452631	55452741	55452902	55453072	-
Lman2	MmuEX0026559	chr13	55449795	55452517	55452631	55452741	-
Lman2l	MmuEX0026560	chr1	36481802	36484947	36485061	36485145	-
Lman2l	MmuEX0026561	chr1	36496571	36500365	36500454	36501895	-
Lman2l	MmuEX0026562	chr1	36485306	36495595	36495677	36496454	-
Lman2l	MmuEX0026563	chr1	36485306	36486268	36486300	36495595	-
Lmbr1	MmuEX0026564	chr5	29614003	29617813	29617877	29618692	-
Lmbr1	MmuEX0026565	chr5	29590015	29613931	29614003	29617813	-
Lmbr1	MmuEX0026566	chr5	29559688	29561518	29561679	29579283	-
Lmbr1	MmuEX0026567	chr5	29559688	29561353	29561450	29561518	-
Lmbr1	MmuEX0026568	chr5	29619489	29650342	29650445	29673307	-
Lmbr1	MmuEX0026569	chr5	29650445	29660960	29661096	29673307	-
Lmbr1	MmuEX0026570	chr5	29585295	29589935	29590015	29613931	-
Lmbr1	MmuEX0026571	chr5	29561679	29585219	29585295	29589935	-
Lmbr1	MmuEX0026572	chr5	29561679	29584598	29584675	29585219	-
Lmbr1	MmuEX0026573	chr5	29561679	29581086	29581159	29584598	-
Lmbr1	MmuEX0026574	chr5	29561679	29580782	29580872	29581086	-
Lmbr1	MmuEX0026575	chr5	29561679	29579283	29579349	29580782	-
Lmbr1	MmuEX0026576	chr5	29690495	29691461	29691746	29704667	-
Lmbr1	MmuEX0026577	chr5	29619489	29690423	29690495	29704667	-
Lmbr1	MmuEX0026578	chr5	29673446	29687588	29687627	29690423	-
Lmbr1	MmuEX0026579	chr5	29619489	29673307	29673446	29687588	-
Lmbr1	MmuEX0026580	chr5	29618760	29619363	29619489	29650342	-
Lmbr1l	MmuEX0026581	chr15	98745652	98747572	98747716	98748281	-
Lmbr1l	MmuEX0026582	chr15	98739887	98739989	98740129	98741927	-
Lmbr1l	MmuEX0026583	chr15	98739887	98740980	98741093	98741927	-
Lmbr1l	MmuEX0026584	chr15	98739698	98739819	98739887	98741927	-
Lmbr1l	MmuEX0026585	chr15	98739352	98739634	98739698	98739819	-
Lmbr1l	MmuEX0026586	chr15	98738041	98738325	98738402	98738951	-
Lmbr1l	MmuEX0026587	chr15	98742968	98743988	98744021	98745568	-
Lmbr1l	MmuEX0026588	chr15	98742053	98742575	98742678	98742829	-
Lmbr1l	MmuEX0026589	chr15	98739027	98739107	98739190	98739280	-
Lmbr1l	MmuEX0026590	chr15	98744021	98745568	98745652	98748281	-
Lmbrd1	MmuEX0026591	chr1	24800792	24801101	24801203	24801711	+
Lmbrd1	MmuEX0026592	chr1	24803799	24805645	24805723	24819037	+

Lmbrd1	MmuEX0026593	chr1	24742418	24749786	24749846	24761666	+
Lmbrd1	MmuEX0026594	chr1	24749846	24761666	24761763	24762822	+
Lmbrd1	MmuEX0026595	chr1	24761763	24762822	24762889	24768357	+
Lmbrd2	MmuEX0026596	chr15	9070496	9078732	9078961	9079211	+
Lmbrd2	MmuEX0026597	chr15	9108115	9108493	9108639	9112241	+
Lmbrd2	MmuEX0026598	chr15	9087179	9095544	9095618	9100853	+
Lmbrd2	MmuEX0026599	chr15	9078961	9079211	9079308	9081240	+
Lmbrd2	MmuEX0026600	chr15	9101996	9105015	9105061	9105542	+
Lmcd1	MmuEX0026601	chr6	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Lmcd1	MmuEX0026602	chr6	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Lmf1	MmuEX0026603	chr17	25716324	25722488	25722797	25725621	+
Lmf1	MmuEX0026604	chr17	25722797	25725621	25725631	25733247	+
Lmf1	MmuEX0026605	chr17	25791551	25792033	25792186	25792330	+
Lmf1	MmuEX0026606	chr17	25768745	25782094	25782261	25791365	+
Lmf2	MmuEX0026607	chr15	89183386	89183465	89183570	89183641	-
Lmf2	MmuEX0026608	chr15	89184886	89184995	89185248	89185787	-
Lmf2	MmuEX0026609	chr15	89184728	89184858	89184886	89184995	-
Lmf2	MmuEX0026610	chr15	89182958	89183035	89183217	89183290	-
Lmf2	MmuEX0026611	chr15	89185248	89185787	89185841	89186017	-
Lmf2	MmuEX0026612	chr15	89184438	89184514	89184728	89184887	-
Lmnb2	MmuEX0026615	chr10	80370286	80372654	80372790	80380709	-
Lmnb2	MmuEX0026616	chr10	80365645	80365957	80366067	80366195	-
Lmo2	MmuEX0026617	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Lmo7	MmuEX0026622	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026623	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026624	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026625	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026626	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026627	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026628	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026629	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026630	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmo7	MmuEX0026631	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Lmtk2	MmuEX0026632	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lmtk2	MmuEX0026633	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lmtk2	MmuEX0026634	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lmtk2	MmuEX0026635	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lmtk2	MmuEX0026636	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lnp	MmuEX0026642	chr2	74409033	74411595	74411683	74416876	-
Lnp	MmuEX0026643	chr2	74360354	74366149	74366231	74367688	-
Lnp	MmuEX0026644	chr2	74393103	74406998	74407185	74408992	-
Lnp	MmuEX0026645	chr2	74389158	74393045	74393103	74406998	-
Lnpep	MmuEX0026646	chr17	17712351	17715496	17716336	17761358	-
Lnpep	MmuEX0026647	chr17	17666844	17667441	17667522	17668102	-
Lnpep	MmuEX0026648	chr17	17708710	17710911	17711042	17712213	-
Lnx1	MmuEX0026649	chr5	75081897	75093168	75093278	75098817	-
Lnx1	MmuEX0026650	chr5	75024386	75056127	75056246	75056331	-

Lnx1	MmuEX0026651	chr5	74993959	75003762	75003930	75006702	-
Lnx1	MmuEX0026652	chr5	74993959	75002062	75002287	75003762	-
Lnx2	MmuEX0026653	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Lnx2	MmuEX0026654	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Loh12cr1	MmuEX0026655	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Loh12cr1	MmuEX0026656	chr6	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Lonp1	MmuEX0026657	chr17	56761976	56762560	56762648	56765904	-
Lonp1	MmuEX0026658	chr17	56755067	56755349	56755465	56755553	-
Lonp1	MmuEX0026659	chr17	56754838	56754927	56755067	56755349	-
Lonp1	MmuEX0026660	chr17	56754514	56754673	56754838	56754927	-
Lonp2	MmuEX0026661	chr8	89191738	89196835	89196968	89232832	+
Lonp2	MmuEX0026662	chr8	89189740	89191612	89191738	89196835	+
Lonp2	MmuEX0026663	chr8	89148315	89155285	89155354	89176075	+
Lonp2	MmuEX0026664	chr8	89148315	89160378	89160541	89176075	+
Lonp2	MmuEX0026665	chr8	89160541	89161802	89161896	89165441	+
Lonrf1	MmuEX0026666	chr8	37293577	37294092	37294241	37296954	-
Loxl2	MmuEX0026669	chr14	70088950	70089941	70090077	70092121	+
Loxl2	MmuEX0026670	chr14	70063929	70067074	70067257	70073189	+
Loxl3	MmuEX0026671	chr6	82998752	82998863	82999017	82999178	+
Loxl3	MmuEX0026672	chr6	82984283	82985574	82985791	82987423	+
Loxl3	MmuEX0026673	chr6	82988603	82994109	82994165	82997982	+
Lpar1	MmuEX0026675	chr4	58500096	58517494	58517653	58566006	-
Lpcat1	MmuEX0026679	chr13	73632362	73633628	73633688	73636747	+
Lpcat1	MmuEX0026680	chr13	73648449	73648748	73648846	73651268	+
Lpcat1	MmuEX0026682	chr13	73604965	73626335	73626549	73632250	+
Lpcat2	MmuEX0026683	chr8	95414725	95433086	95433184	95438142	+
Lpcat2	MmuEX0026684	chr8	95399488	95403299	95403353	95410465	+
Lpcat2	MmuEX0026685	chr8	95414725	95432695	95432868	95433086	+
Lpcat3	MmuEX0026689	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Lpcat3	MmuEX0026690	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Lpcat3	MmuEX0026691	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Lpcat4	MmuEX0026692	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Lpcat4	MmuEX0026693	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Lpgat1	MmuEX0026696	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	+
Lpgat1	MmuEX0026697	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	+
Lphn1	MmuEX0026699	chr8	86459532	86459919	86460087	86461096	+
Lphn1	MmuEX0026703	chr8	86455175	86455512	86455615	86455867	+
Lphn1	MmuEX0026704	chr8	86461676	86461815	86461832	86462249	+
Lphn2	MmuEX0026707	chr3	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lphn2	MmuEX0026708	chr3	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lphn2	MmuEX0026709	chr3	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Lphn2	MmuEX0026710	chr3	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lphn2	MmuEX0026711	chr3	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lphn2	MmuEX0026712	chr3	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lphn2	MmuEX0026713	chr3	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Lphn2	MmuEX0026714	chr3	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Lphn2	MmuEX0026715	chr3	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-

Lphn2	MmuEX0026716	chr3	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Lphn2	MmuEX0026717	chr3	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Lpin1	MmuEX0026730	chr12	16571425	16572197	16572503	16575196	-
Lpin1	MmuEX0026731	chr12	16569262	16570428	16570618	16571332	-
Lpin1	MmuEX0026732	chr12	16567857	16569169	16569262	16570428	-
Lpin1	MmuEX0026733	chr12	16565307	16565450	16565527	16567788	-
Lpin1	MmuEX0026734	chr12	16591457	16596304	16596400	16596524	-
Lpin1	MmuEX0026735	chr12	16587710	16591314	16591457	16596524	-
Lpin1	MmuEX0026736	chr12	16555809	16560755	16560834	16565215	-
Lpin1	MmuEX0026737	chr12	16575325	16577970	16578065	16580466	-
Lpin2	MmuEX0026738	chr17	71591066	71591384	71591534	71591966	+
Lpin2	MmuEX0026739	chr17	71592776	71593265	71593351	71594112	+
Lpin2	MmuEX0026740	chr17	71593351	71594112	71594264	71594459	+
Lpin2	MmuEX0026741	chr17	71594264	71594459	71594573	71595756	+
Lpin2	MmuEX0026742	chr17	71564504	71571395	71571490	71574280	+
Lpin2	MmuEX0026743	chr17	71564504	71574280	71574581	71578648	+
Lpin2	MmuEX0026744	chr17	71578755	71579159	71579209	71579612	+
Lpin3	MmuEX0026745	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Lpin3	MmuEX0026746	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Lpin3	MmuEX0026747	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Lpin3	MmuEX0026748	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Lpin3	MmuEX0026749	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Lpin3	MmuEX0026750	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Lpp	MmuEX0026752	chr16	24393690	24442867	24442976	24456919	+
Lpp	MmuEX0026753	chr16	24681957	24761679	24762362	24845177	+
Lpp	MmuEX0026755	chr16	24762362	24845177	24845303	24889876	+
Lpp	MmuEX0026756	chr16	24845303	24889876	24890045	24971917	+
Lpp	MmuEX0026757	chr16	24442976	24456919	24457028	24559678	+
Lpp	MmuEX0026759	chr16	24457028	24559678	24559743	24608202	+
Lpp	MmuEX0026760	chr16	24559743	24608202	24608403	24661763	+
Lpp	MmuEX0026761	chr16	24661875	24681832	24681957	24761679	+
Lrba	MmuEX0026764	chr3	86113991	86114309	86114461	86119258	+
Lrba	MmuEX0026765	chr3	86154347	86155125	86155278	86155751	+
Lrba	MmuEX0026766	chr3	86089150	86089556	86089656	86095349	+
Lrba	MmuEX0026767	chr3	86346633	86409792	86409909	86412270	+
Lrba	MmuEX0026768	chr3	86409909	86412270	86412372	86418894	+
Lrba	MmuEX0026769	chr3	86445553	86446575	86446694	86468360	+
Lrba	MmuEX0026770	chr3	86099350	86100168	86100287	86101787	+
Lrba	MmuEX0026771	chr3	86101933	86105684	86105706	86108158	+
Lrba	MmuEX0026772	chr3	86580116	86584034	86584185	86585493	+
Lrch1	MmuEX0026773	chr14	75235582	75257784	75257928	75347191	-
Lrch1	MmuEX0026774	chr14	75195898	75197458	75197646	75204028	-
Lrch1	MmuEX0026775	chr14	75186197	75192934	75193038	75194718	-
Lrch1	MmuEX0026776	chr14	75204064	75204168	75204257	75205276	-
Lrch1	MmuEX0026777	chr14	75156950	75195104	75195176	75195845	-
Lrch1	MmuEX0026778	chr14	75186197	75194718	75194798	75195104	-
Lrch1	MmuEX0026779	chr14	75156950	75186088	75186197	75195104	-

Lrch1	MmuEX0026780	chr14	75156950	75185298	75185435	75186088	-
Lrch1	MmuEX0026781	chr14	75235582	75247194	75247360	75257784	-
Lrch1	MmuEX0026782	chr14	75156950	75175388	75175465	75185298	-
Lrch1	MmuEX0026783	chr14	75226510	75235502	75235582	75257784	-
Lrch3	MmuEX0026787	chr16	32914489	32950378	32950522	32952143	+
Lrch3	MmuEX0026788	chr16	32979630	32979825	32979930	32981914	+
Lrch3	MmuEX0026789	chr16	32981990	32986062	32986113	32986825	+
Lrch3	MmuEX0026790	chr16	32986974	32988517	32988567	32990351	+
Lrch3	MmuEX0026791	chr16	33009522	33012019	33012147	33012427	+
Lrch3	MmuEX0026792	chr16	32959617	32961721	32961830	32973966	+
Lrch3	MmuEX0026793	chr16	32979630	32979931	32979933	32981914	+
Lrch3	MmuEX0026794	chr16	32950522	32952143	32952269	32955386	+
Lrch3	MmuEX0026795	chr16	32986113	32986825	32986974	32988517	+
Lrch3	MmuEX0026796	chr16	32988567	32990351	32990404	32993848	+
Lrch3	MmuEX0026797	chr16	33005827	33009275	33009522	33012427	+
Lrch3	MmuEX0026798	chr16	32995097	32995892	32995999	32997468	+
Lrch4	MmuEX0026799	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Lrch4	MmuEX0026800	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Lrch4	MmuEX0026801	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Lrdd	MmuEX0026802	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lrdd	MmuEX0026805	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Lrfn4	MmuEX0026806	chr19	4612638	4613156	4614514	4614963	-
Lrig1	MmuEX0026812	chr6	94604915	94613921	94613992	94649456	-
Lrig1	MmuEX0026813	chr6	94570327	94572609	94572752	94574924	-
Lrig1	MmuEX0026814	chr6	94559122	94559611	94559892	94561366	-
Lrig1	MmuEX0026815	chr6	94580233	94604841	94604915	94613921	-
Lrig1	MmuEX0026816	chr6	94557432	94558034	94558159	94558703	-
Lrig1	MmuEX0026817	chr6	94556357	94557286	94557432	94558034	-
Lrig2	MmuEX0026818	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrig2	MmuEX0026820	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrig2	MmuEX0026821	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrig2	MmuEX0026822	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrig2	MmuEX0026823	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrig2	MmuEX0026824	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrig2	MmuEX0026825	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Lrmp	MmuEX0026828	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lrmp	MmuEX0026830	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lrmp	MmuEX0026835	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lrmp	MmuEX0026836	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lrp1	MmuEX0026838	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026839	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026840	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026841	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026842	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026843	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026844	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026845	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-

Lrp1	MmuEX0026846	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp1	MmuEX0026847	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Lrp10	MmuEX0026849	chr14	55083448	55083741	55083785	55084411	+
Lrp10	MmuEX0026850	chr14	55083785	55084411	55084546	55086297	+
Lrp10	MmuEX0026851	chr14	55084546	55086297	55086487	55086601	+
Lrp10	MmuEX0026852	chr14	55084558	55085127	55085310	55086297	+
Lrp11	MmuEX0026853	chr10	7316062	7318505	7318646	7322627	+
Lrp11	MmuEX0026854	chr10	7318646	7322627	7322752	7323972	+
Lrp11	MmuEX0026855	chr10	7322752	7323972	7324181	7328342	+
Lrp11	MmuEX0026856	chr10	7310411	7315902	7316062	7328342	+
Lrp11	MmuEX0026857	chr10	7324181	7328346	7328437	7343428	+
Lrp12	MmuEX0026858	chr15	39716687	39736085	39736141	39775150	-
Lrp12	MmuEX0026859	chr15	39711868	39716552	39716687	39736085	-
Lrp5	MmuEX0026888	chr19	3615879	3620015	3620304	3622510	-
Lrp5	MmuEX0026889	chr19	3612521	3614226	3614410	3615653	-
Lrp5	MmuEX0026890	chr19	3605494	3606797	3606902	3610039	-
Lrp5	MmuEX0026891	chr19	3604192	3605286	3605494	3610039	-
Lrp5	MmuEX0026892	chr19	3591113	3591616	3591852	3593516	-
Lrp5	MmuEX0026893	chr19	3600798	3602235	3602444	3604002	-
Lrp5	MmuEX0026894	chr19	3649600	3651843	3651955	3652133	-
Lrp6	MmuEX0026895	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lrp6	MmuEX0026896	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lrp6	MmuEX0026897	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lrp6	MmuEX0026898	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lrp6	MmuEX0026899	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lrp6	MmuEX0026900	chr6	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Lrp6	MmuEX0026901	chr6	1.34E+08	1.34E+08	1.34E+08	1.35E+08	-
Lrpap1	MmuEX0026910	chr5	35445188	35445830	35445964	35448128	-
Lrpap1	MmuEX0026911	chr5	35440338	35440802	35440922	35441806	-
Lrpap1	MmuEX0026912	chr5	35440922	35441806	35441927	35445044	-
Lrpprc	MmuEX0026913	chr17	85166451	85168935	85169042	85169340	-
Lrpprc	MmuEX0026914	chr17	85163885	85166333	85166451	85168935	-
Lrpprc	MmuEX0026915	chr17	85151762	85152069	85152113	85152454	-
Lrpprc	MmuEX0026916	chr17	85172669	85174729	85174851	85176281	-
Lrpprc	MmuEX0026917	chr17	85130575	85131089	85131157	85139410	-
Lrpprc	MmuEX0026918	chr17	85106518	85107428	85107502	85109631	-
Lrpprc	MmuEX0026919	chr17	85172442	85172548	85172669	85174729	-
Lrpprc	MmuEX0026920	chr17	85139516	85139884	85140008	85148301	-
Lrrc1	MmuEX0026921	chr9	77305701	77305878	77305934	77316365	-
Lrrc1	MmuEX0026922	chr9	77290099	77299165	77299248	77300410	-
Lrrc1	MmuEX0026923	chr9	77320037	77347041	77347158	77392272	-
Lrrc14	MmuEX0026924	chr15	76541960	76542281	76542406	76543297	+
Lrrc14	MmuEX0026925	chr15	76543650	76543831	76544415	76544510	+
Lrrc14	MmuEX0026926	chr15	76541361	76541394	76541513	76543297	+
Lrrc14	MmuEX0026927	chr15	76541361	76541852	76541960	76543297	+
Lrrc16a	MmuEX0026934	chr13	24105329	24114365	24114505	24116192	-
Lrrc17	MmuEX0026952	chr5	21049537	21066218	21067117	21076038	+

Lrrc2	MmuEX0026955	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrc2	MmuEX0026956	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrc2	MmuEX0026957	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrc2	MmuEX0026958	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrc20	MmuEX0026959	chr10	60938637	60945084	60945230	60989808	+
Lrrc20	MmuEX0026960	chr10	60945230	60989808	60989957	61010796	+
Lrrc20	MmuEX0026961	chr10	60989957	61010796	61010963	61042878	+
Lrrc27	MmuEX0026963	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026964	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026965	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026966	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026967	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026968	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026969	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc27	MmuEX0026970	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Lrrc28	MmuEX0026971	chr7	74763997	74773181	74773221	74785990	-
Lrrc28	MmuEX0026972	chr7	74763997	74767457	74767483	74773181	-
Lrrc28	MmuEX0026973	chr7	74704950	74763960	74763997	74773181	-
Lrrc28	MmuEX0026974	chr7	74704950	74762879	74763016	74763960	-
Lrrc28	MmuEX0026975	chr7	74704950	74724576	74724636	74762879	-
Lrrc28	MmuEX0026976	chr7	74690354	74704744	74704855	74762879	-
Lrrc28	MmuEX0026977	chr7	74676676	74690252	74690354	74704744	-
Lrrc28	MmuEX0026978	chr7	74674631	74676501	74676676	74690252	-
Lrrc33	MmuEX0026986	chr16	32145091	32147642	32147759	32165418	-
Lrrc39	MmuEX0026993	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lrrc39	MmuEX0026994	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lrrc40	MmuEX0026995	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0026996	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0026997	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0026998	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0026999	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0027000	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0027001	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0027002	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc40	MmuEX0027003	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Lrrc41	MmuEX0027004	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lrrc41	MmuEX0027005	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lrrc41	MmuEX0027006	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lrrc41	MmuEX0027007	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Lrrc42	MmuEX0027008	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Lrrc42	MmuEX0027009	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Lrrc42	MmuEX0027010	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Lrrc42	MmuEX0027011	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Lrrc45	MmuEX0027014	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Lrrc45	MmuEX0027016	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Lrrc45	MmuEX0027017	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Lrrc45	MmuEX0027018	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+

Lrrc45	MmuEX0027019	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Lrrc45	MmuEX0027020	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Lrrc45	MmuEX0027021	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Lrrc47	MmuEX0027026	chr4	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Lrrc48	MmuEX0027027	chr11	60172318	60176966	60177082	60178368	+
Lrrc48	MmuEX0027028	chr11	60178534	60183971	60184117	60188580	+
Lrrc48	MmuEX0027029	chr11	60184117	60188580	60188699	60189296	+
Lrrc48	MmuEX0027030	chr11	60167702	60172120	60172318	60176966	+
Lrrc49	MmuEX0027031	chr9	60532929	60534946	60535002	60535619	-
Lrrc49	MmuEX0027032	chr9	60462984	60469376	60469523	60497287	-
Lrrc49	MmuEX0027033	chr9	60450623	60458065	60458228	60462901	-
Lrrc49	MmuEX0027034	chr9	60435698	60441413	60441566	60445893	-
Lrrc49	MmuEX0027035	chr9	60528509	60532842	60532929	60534946	-
Lrrc49	MmuEX0027036	chr9	60525090	60527876	60527978	60532842	-
Lrrc49	MmuEX0027037	chr9	60446002	60449110	60449295	60450386	-
Lrrc49	MmuEX0027038	chr9	60458228	60462901	60462984	60469376	-
Lrrc49	MmuEX0027039	chr9	60469523	60497287	60497348	60514096	-
Lrrc49	MmuEX0027040	chr9	60514239	60519102	60519168	60524887	-
Lrrc51	MmuEX0027049	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Lrrc51	MmuEX0027050	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Lrrc51	MmuEX0027051	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Lrrc56	MmuEX0027053	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Lrrc57	MmuEX0027054	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lrrc57	MmuEX0027055	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Lrrc58	MmuEX0027056	chr16	37869066	37877135	37877263	37878373	+
Lrrc58	MmuEX0027057	chr16	37877263	37878373	37878650	37881340	+
Lrrc59	MmuEX0027058	chr11	94496330	94496413	94496457	94499845	+
Lrrc61	MmuEX0027065	chr6	48504981	48506954	48507093	48518136	+
Lrrc68	MmuEX0027070	chr7	20119875	20119956	20120106	20120338	-
Lrrc68	MmuEX0027071	chr7	20121103	20122719	20122816	20147160	-
Lrrc8a	MmuEX0027084	chr2	30094693	30095529	30095620	30096089	+
Lrrc8a	MmuEX0027085	chr2	30093325	30096089	30096197	30110688	+
Lrrc8c	MmuEX0027088	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Lrrc8c	MmuEX0027089	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Lrrc8c	MmuEX0027090	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Lrrcc1	MmuEX0027100	chr3	14536204	14536474	14536539	14537210	+
Lrrcc1	MmuEX0027101	chr3	14536539	14537210	14537377	14539629	+
Lrrcc1	MmuEX0027102	chr3	14559391	14562124	14562332	14562424	+
Lrrcc1	MmuEX0027103	chr3	14540114	14545496	14545692	14547247	+
Lrrcc1	MmuEX0027104	chr3	14545692	14545824	14546517	14547247	+
Lrrcc1	MmuEX0027105	chr3	14534022	14535999	14536204	14536474	+
Lrrcc1	MmuEX0027106	chr3	14551527	14554304	14554505	14557189	+
Lrrfip1	MmuEX0027107	chr1	92985288	92987032	92987076	92988179	+
Lrrfip1	MmuEX0027108	chr1	93008874	93009230	93009291	93016718	+
Lrrfip1	MmuEX0027109	chr1	93008874	93016718	93016767	93018999	+
Lrrfip1	MmuEX0027110	chr1	93019116	93019655	93019734	93022218	+
Lrrfip1	MmuEX0027111	chr1	92950300	92965140	92965226	92997154	+

Lrrfip1	MmuEX0027112	chr1	92895470	92907173	92907304	92965140	+
Lrrfip1	MmuEX0027113	chr1	92997887	92999824	92999895	93001704	+
Lrrfip1	MmuEX0027114	chr1	93019734	93022218	93022322	93024663	+
Lrrfip1	MmuEX0027115	chr1	92965226	92969901	92969918	92997154	+
Lrrfip1	MmuEX0027116	chr1	92965226	92990137	92990214	92997154	+
Lrrfip1	MmuEX0027117	chr1	92965226	92973521	92973568	92997154	+
Lrrfip1	MmuEX0027118	chr1	92965226	92974968	92975012	92997154	+
Lrrfip1	MmuEX0027119	chr1	92965226	92975608	92975658	92997154	+
Lrrfip1	MmuEX0027120	chr1	92965226	92978718	92978756	92997154	+
Lrrfip1	MmuEX0027121	chr1	92965226	92981523	92981582	92997154	+
Lrrfip1	MmuEX0027122	chr1	92965226	92983636	92983701	92997154	+
Lrrfip1	MmuEX0027123	chr1	92965226	92985211	92985288	92997154	+
Lrrfip1	MmuEX0027124	chr1	92965226	92988179	92988244	92997154	+
Lrrfip1	MmuEX0027125	chr1	93003967	93005157	93005249	93008733	+
Lrrfip1	MmuEX0027126	chr1	93003967	93006932	93007024	93008733	+
Lrrfip2	MmuEX0027127	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027128	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027129	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027130	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027131	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027132	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027133	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027134	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027135	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027136	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027137	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027138	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027139	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027140	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrfip2	MmuEX0027141	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Lrrk1	MmuEX0027153	chr7	73445824	73447541	73447653	73450279	-
Lrrk1	MmuEX0027154	chr7	73427223	73430121	73430292	73432326	-
Lrrk1	MmuEX0027156	chr7	73419859	73423409	73423575	73426514	-
Lrrk1	MmuEX0027157	chr7	73411494	73414624	73414775	73415613	-
Lrrk2	MmuEX0027159	chr15	91567751	91569156	91569406	91569693	+
Lrrk2	MmuEX0027161	chr15	91603444	91605327	91605473	91608857	+
Lrrk2	MmuEX0027162	chr15	91605473	91608857	91608957	91610250	+
Lrrk2	MmuEX0027164	chr15	91635400	91637174	91637358	91641423	+
Lrrk2	MmuEX0027165	chr15	91645164	91645319	91645480	91645845	+
Lrrk2	MmuEX0027167	chr15	91513612	91516163	91516297	91519259	+
Lrrk2	MmuEX0027168	chr15	91572775	91576129	91576315	91578083	+
Lrsam1	MmuEX0027173	chr2	32801493	32801612	32801641	32803311	-
Lrsam1	MmuEX0027174	chr2	32803441	32806613	32806703	32808884	-
Lrsam1	MmuEX0027175	chr2	32815133	32816564	32816698	32816855	-
Lrsam1	MmuEX0027176	chr2	32789430	32790688	32790768	32791956	-
Lrsam1	MmuEX0027177	chr2	32782421	32783505	32783650	32784172	-
Lrsam1	MmuEX0027178	chr2	32812813	32813692	32813734	32815037	-

Lrsam1	MmuEX0027179	chr2	32810769	32812769	32812813	32815037	-
Lrsam1	MmuEX0027180	chr2	32810769	32811995	32812072	32815037	-
Lrsam1	MmuEX0027181	chr2	32809806	32810701	32810769	32815037	-
Lrwd1	MmuEX0027185	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lrwd1	MmuEX0027186	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lrwd1	MmuEX0027187	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Lsg1	MmuEX0027190	chr16	30561948	30564732	30564905	30565516	-
Lsg1	MmuEX0027191	chr16	30564905	30565516	30565595	30567797	-
Lsg1	MmuEX0027192	chr16	30582737	30585640	30585766	30587524	-
Lsg1	MmuEX0027193	chr16	30574692	30581045	30581131	30582142	-
Lsg1	MmuEX0027194	chr16	30574692	30577985	30578083	30581045	-
Lsm1	MmuEX0027195	chr8	26904264	26907425	26907531	26912400	+
Lsm1	MmuEX0027196	chr8	26902799	26904149	26904264	26912400	+
Lsm11	MmuEX0027197	chr11	45751705	45753353	45753471	45757964	-
Lsm11	MmuEX0027198	chr11	45751000	45751601	45751705	45757964	-
Lsm14a	MmuEX0027199	chr7	35138580	35138684	35138866	35142453	-
Lsm14a	MmuEX0027200	chr7	35130977	35132945	35133001	35136305	-
Lsm14a	MmuEX0027201	chr7	35142515	35142785	35142961	35150634	-
Lsm14b	MmuEX0027202	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Lsm14b	MmuEX0027203	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Lsm14b	MmuEX0027204	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Lsm14b	MmuEX0027205	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Lsm2	MmuEX0027206	chr17	35119030	35119586	35119632	35122054	+
Lsm4	MmuEX0027207	chr8	73197356	73199976	73200270	73200454	+
Lsm4	MmuEX0027208	chr8	73197356	73200454	73200495	73201677	+
Lsm4	MmuEX0027209	chr8	73200495	73201677	73201757	73201853	+
Lsm5	MmuEX0027210	chr6	56652162	56653312	56653403	56654617	-
Lsm6	MmuEX0027212	chr8	81336979	81339534	81339681	81344947	-
Lsm6	MmuEX0027213	chr8	81336979	81343886	81343984	81344947	-
Lsm6	MmuEX0027214	chr8	81333959	81336875	81336979	81344947	-
Lsp1	MmuEX0027217	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Lsp1	MmuEX0027218	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Lsp1	MmuEX0027219	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Lsp1	MmuEX0027220	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Lsp1	MmuEX0027221	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Lsp1	MmuEX0027222	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Lta4h	MmuEX0027231	chr10	92937324	92937663	92937733	92941192	+
Lta4h	MmuEX0027232	chr10	92944270	92944995	92945077	92945707	+
Lta4h	MmuEX0027233	chr10	92933568	92934041	92934111	92934599	+
Ltbp1	MmuEX0027234	chr17	75651755	75665828	75665950	75673207	+
Ltbp1	MmuEX0027235	chr17	75689480	75690631	75690756	75692096	+
Ltbp1	MmuEX0027236	chr17	75465542	75550605	75550774	75578377	+
Ltbp1	MmuEX0027237	chr17	75648336	75651684	75651755	75665828	+
Ltbp1	MmuEX0027238	chr17	75550774	75578377	75578544	75624496	+
Ltbp1	MmuEX0027239	chr17	75695683	75709496	75709618	75712316	+
Ltbp1	MmuEX0027240	chr17	75712438	75714343	75714465	75720311	+
Ltbp1	MmuEX0027241	chr17	75714465	75720311	75720433	75726537	+

Ltbp1	MmuEX0027242	chr17	75720433	75726537	75726662	75758630	+
Ltbp1	MmuEX0027243	chr17	75726662	75748084	75748209	75752027	+
Ltbp1	MmuEX0027244	chr17	75748209	75752027	75752170	75758630	+
Ltbp2	MmuEX0027253	chr12	86126845	86140322	86140441	86144737	-
Ltbp2	MmuEX0027258	chr12	86127061	86132772	86132894	86133907	-
Ltbp3	MmuEX0027266	chr19	5748591	5748666	5748738	5748870	+
Ltbp3	MmuEX0027267	chr19	5756330	5756584	5756712	5756794	+
Ltbp3	MmuEX0027268	chr19	5756931	5757035	5757175	5757311	+
Ltbp3	MmuEX0027269	chr19	5746120	5746299	5746404	5746643	+
Ltbp3	MmuEX0027270	chr19	5742562	5745440	5745769	5745918	+
Ltbp3	MmuEX0027271	chr19	5752141	5753633	5753755	5755543	+
Ltbp3	MmuEX0027272	chr19	5753755	5753929	5754048	5755543	+
Ltbp3	MmuEX0027273	chr19	5754048	5755546	5755674	5755932	+
Ltbp3	MmuEX0027274	chr19	5755674	5755932	5756099	5756794	+
Ltbp4	MmuEX0027275	chr7	28110280	28110697	28110822	28111506	-
Ltbp4	MmuEX0027276	chr7	28109438	28110038	28110280	28110697	-
Ltbp4	MmuEX0027277	chr7	28104775	28107041	28107172	28107308	-
Ltbp4	MmuEX0027278	chr7	28099402	28104430	28104555	28104644	-
Ltbp4	MmuEX0027279	chr7	28095271	28095540	28095806	28099256	-
Ltbp4	MmuEX0027281	chr7	28095806	28099256	28099402	28104430	-
Ltbp4	MmuEX0027282	chr7	28113369	28113759	28113881	28113987	-
Ltbp4	MmuEX0027283	chr7	28107430	28107830	28107955	28108161	-
Ltbr	MmuEX0027284	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ltc4s	MmuEX0027285	chr11	50050600	50050696	50050766	50050843	-
Ltn1	MmuEX0027291	chr16	87412806	87415399	87415440	87415796	-
Ltn1	MmuEX0027292	chr16	87412103	87412620	87412806	87415399	-
Ltn1	MmuEX0027293	chr16	87405930	87408945	87409131	87409547	-
Ltn1	MmuEX0027294	chr16	87426043	87426491	87426589	87427834	-
Ltn1	MmuEX0027295	chr16	87402413	87403205	87403318	87404251	-
Ltn1	MmuEX0027296	chr16	87400709	87401877	87402027	87402271	-
Ltn1	MmuEX0027297	chr16	87400408	87400574	87400709	87402271	-
Ltn1	MmuEX0027298	chr16	87394953	87396875	87397058	87397399	-
Ltn1	MmuEX0027299	chr16	87381927	87382860	87383031	87394767	-
Ltn1	MmuEX0027300	chr16	87381106	87381707	87381927	87382860	-
Ltn1	MmuEX0027301	chr16	87380088	87380912	87381106	87381707	-
Ltn1	MmuEX0027302	chr16	87421227	87423643	87423823	87425074	-
Ltn1	MmuEX0027303	chr16	87394953	87397399	87397473	87398032	-
Ltn1	MmuEX0027304	chr16	87398269	87398897	87399110	87400258	-
Ltn1	MmuEX0027305	chr16	87409691	87410552	87410705	87411864	-
Ltn1	MmuEX0027306	chr16	87416605	87418680	87418815	87420418	-
Ltn1	MmuEX0027307	chr16	87423823	87425074	87425126	87425813	-
Ltv1	MmuEX0027308	chr10	12899129	12899461	12899513	12899801	-
Luc7l	MmuEX0027309	chr17	26404303	26412619	26412795	26414491	+
Luc7l	MmuEX0027310	chr17	26416307	26416906	26417073	26418570	+
Luc7l	MmuEX0027311	chr17	26390036	26390919	26390989	26391976	+
Luc7l	MmuEX0027312	chr17	26390036	26391976	26392070	26394871	+
Luc7l2	MmuEX0027313	chr6	38501908	38515624	38515722	38520510	+

Luc7l2	MmuEX0027314	chr6	38518917	38519502	38519534	38519932	+
Luc7l2	MmuEX0027315	chr6	38519534	38519932	38520005	38520510	+
Luc7l2	MmuEX0027316	chr6	38520604	38521042	38521088	38525889	+
Luc7l2	MmuEX0027317	chr6	38501908	38504980	38505063	38520510	+
Luc7l2	MmuEX0027318	chr6	38501908	38507852	38508075	38520510	+
Luc7l2	MmuEX0027319	chr6	38501908	38509204	38509304	38520510	+
Luc7l2	MmuEX0027320	chr6	38501908	38518847	38518917	38520510	+
Luc7l3	MmuEX0027321	chr11	94167539	94170939	94171005	94183004	-
Luc7l3	MmuEX0027322	chr11	94171005	94178802	94178861	94182732	-
Luc7l3	MmuEX0027323	chr11	94159234	94161270	94161374	94162819	-
Luc7l3	MmuEX0027324	chr11	94159234	94160264	94160409	94161270	-
Luc7l3	MmuEX0027325	chr11	94154592	94155566	94155687	94157234	-
Luc7l3	MmuEX0027326	chr11	94154346	94154452	94154592	94157234	-
Luc7l3	MmuEX0027327	chr11	94162893	94165156	94165300	94167500	-
Luc7l3	MmuEX0027328	chr11	94152892	94154241	94154346	94154399	-
Luc7l3	MmuEX0027329	chr11	94152892	94153721	94153786	94154241	-
Luc7l3	MmuEX0027330	chr11	94165300	94167500	94167539	94170939	-
Luzp1	MmuEX0027331	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Luzp1	MmuEX0027332	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Lxn	MmuEX0027336	chr3	67262578	67264844	67264980	67265234	-
Lxn	MmuEX0027337	chr3	67262249	67262516	67262578	67264844	-
Ly6c1	MmuEX0027338	chr15	74878969	75069130	75069211	75069464	-
Ly6c1	MmuEX0027339	chr15	74878969	74942028	74942110	75069464	-
Ly6c1	MmuEX0027340	chr15	74878969	74940941	74941057	75069464	-
Ly6e	MmuEX0027341	chr15	74785765	74785913	74786147	74788207	+
Ly6e	MmuEX0027342	chr15	74786147	74787845	74787893	74788207	+
Ly86	MmuEX0027352	chr13	37437443	37466832	37466918	37468757	+
Ly96	MmuEX0027357	chr1	16681854	16682332	16682420	16690876	+
Ly96	MmuEX0027358	chr1	16691004	16696254	16696306	16699520	+
Ly96	MmuEX0027359	chr1	16681854	16690930	16691004	16696254	+
Ly96	MmuEX0027360	chr1	16691004	16693981	16694002	16696254	+
Lyar	MmuEX0027361	chr5	38616036	38617128	38617242	38619094	+
Lyar	MmuEX0027362	chr5	38612033	38614170	38614293	38615866	+
Lyar	MmuEX0027363	chr5	38612033	38614373	38614466	38615866	+
Lyl1	MmuEX0027364	chr8	87226622	87226690	87226894	87226986	+
Lyn	MmuEX0027365	chr4	3605511	3663017	3663100	3665872	+
Lyn	MmuEX0027366	chr4	3605511	3665872	3666008	3669589	+
Lyn	MmuEX0027367	chr4	3666008	3669589	3669634	3670344	+
Lyn	MmuEX0027368	chr4	3674007	3675808	3675960	3683448	+
Lyn	MmuEX0027369	chr4	3683630	3685393	3685469	3708060	+
Lyn	MmuEX0027370	chr4	3708213	3710120	3710251	3716889	+
Lynx1	MmuEX0027371	chr15	74582467	74582563	74582635	74583315	-
Lynx1	MmuEX0027372	chr15	74582074	74582285	74582467	74583315	-
Lypla1	MmuEX0027381	chr1	4827155	4827683	4827735	4829468	+
Lypla1	MmuEX0027382	chr1	4829569	4831037	4831213	4835044	+
Lypla1	MmuEX0027384	chr1	4822462	4827082	4827155	4829468	+
Lypla1	MmuEX0027385	chr1	4798063	4798536	4798567	4818665	+

Lypla1	MmuEX0027386	chr1	4798567	4818665	4818730	4822392	+
Lypla1	MmuEX0027387	chr1	4818730	4820349	4820396	4822392	+
Lypla1	MmuEX0027388	chr1	4827155	4829468	4829569	4831037	+
Lyplal1	MmuEX0027389	chr1	1.88E+08	1.88E+08	1.88E+08	1.88E+08	-
Lyplal1	MmuEX0027391	chr1	1.88E+08	1.88E+08	1.88E+08	1.88E+08	-
Lyplal1	MmuEX0027392	chr1	1.88E+08	1.88E+08	1.88E+08	1.88E+08	-
Lyrml	MmuEX0027393	chr7	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Lyrml	MmuEX0027394	chr7	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Lyrml	MmuEX0027395	chr7	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Lyrml4	MmuEX0027396	chr13	36071776	36184675	36184795	36208944	-
Lyrml5	MmuEX0027397	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lyrml5	MmuEX0027398	chr6	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Lyrml7	MmuEX0027399	chr11	54666801	54666936	54667044	54674054	-
Lyrml7	MmuEX0027402	chr11	54662162	54662741	54662898	54663847	-
Lyrml7	MmuEX0027403	chr11	54648359	54654432	54654704	54662081	-
Lyrml7	MmuEX0027404	chr11	54654704	54662081	54662162	54663847	-
Lyrml7	MmuEX0027405	chr11	54663917	54666729	54666801	54674054	-
Lysmd2	MmuEX0027406	chr9	75473844	75474319	75474398	75483193	+
Lysmd2	MmuEX0027407	chr9	75473844	75483193	75483524	75485019	+
Lysmd2	MmuEX0027408	chr9	75474398	75482196	75482588	75483193	+
Lysmd3	MmuEX0027409	chr13	81804268	81807590	81807784	81808160	+
Lysmd4	MmuEX0027410	chr7	74368777	74369262	74369287	74369912	+
Lysmd4	MmuEX0027411	chr7	74367515	74367862	74367924	74368495	+
Lyst	MmuEX0027413	chr13	13744017	13749101	13749261	13750864	+
Lyst	MmuEX0027417	chr13	13776368	13779100	13779255	13779886	+
Lyst	MmuEX0027418	chr13	13801877	13802991	13803052	13803885	+
Lyst	MmuEX0027419	chr13	13803940	13804975	13805127	13818081	+
Lyst	MmuEX0027420	chr13	13822748	13832732	13832872	13835507	+
Lyst	MmuEX0027421	chr13	13839069	13844210	13844399	13849578	+
Lyst	MmuEX0027423	chr13	13853112	13853371	13853468	13867737	+
Lyve1	MmuEX0027425	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Lzic	MmuEX0027428	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Lztlf1	MmuEX0027430	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Lztlf1	MmuEX0027431	chr9	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Lztr1	MmuEX0027433	chr16	17519619	17520529	17520730	17520984	+
Lztr1	MmuEX0027434	chr16	17521648	17522250	17522342	17522474	+
Lztr1	MmuEX0027435	chr16	17522816	17523061	17523230	17523370	+
Lztr1	MmuEX0027436	chr16	17524315	17524401	17524550	17525332	+
Lztr1	MmuEX0027437	chr16	17512215	17515901	17515980	17516067	+
Lztr1	MmuEX0027438	chr16	17522569	17522651	17522816	17523061	+
Lzts2	MmuEX0027439	chr19	45092720	45095877	45096326	45098032	+
Lzts2	MmuEX0027440	chr19	45096326	45096624	45096760	45098032	+
Lzts2	MmuEX0027441	chr19	45096326	45098032	45098694	45099209	+
Macf1	MmuEX0027443	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027444	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027447	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027448	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-

Macf1	MmuEX0027449	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027455	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027456	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027458	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027459	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027460	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027461	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027462	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027463	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027464	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027465	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027466	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027467	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027469	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027470	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027471	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027472	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027473	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027474	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027475	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027476	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027477	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macf1	MmuEX0027478	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Macrod1	MmuEX0027479	chr19	7271525	7271641	7271714	7272022	+
Macrod1	MmuEX0027480	chr19	7140693	7260066	7260095	7270904	+
Macrod1	MmuEX0027481	chr19	7272103	7272192	7272226	7272403	+
Macrod2	MmuEX0027482	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Mad1l1	MmuEX0027488	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027489	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027490	chr5	1.4E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027491	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027492	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027493	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027494	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027495	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027496	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027497	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad1l1	MmuEX0027498	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Mad2l1bp	MmuEX0027499	chr17	46285233	46289728	46289990	46290392	-
Mad2l2	MmuEX0027501	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mad2l2	MmuEX0027502	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mad2l2	MmuEX0027503	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mad2l2	MmuEX0027504	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Madd	MmuEX0027507	chr2	91002391	91002639	91002789	91002884	-
Madd	MmuEX0027508	chr2	90998300	90998562	90998645	90999362	-
Madd	MmuEX0027509	chr2	90983843	90986996	90987103	90992611	-
Madd	MmuEX0027510	chr2	90978912	90980075	90980299	90980714	-

Madd	MmuEX0027512	chr2	90994922	90995170	90995232	90995703	-
Madd	MmuEX0027513	chr2	91003758	91004120	91004179	91005523	-
Madd	MmuEX0027514	chr2	90978912	90980966	90980974	90982903	-
Madd	MmuEX0027515	chr2	90978912	90980714	90980783	90982903	-
Madd	MmuEX0027516	chr2	90999462	91000474	91000527	91002185	-
Maea	MmuEX0027517	chr5	33705466	33708371	33708447	33711287	+
Maf	MmuEX0027518	chr8	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Maf1	MmuEX0027519	chr15	76182089	76182426	76182471	76182850	+
Maf1	MmuEX0027520	chr15	76183890	76184016	76184150	76184277	+
Maff	MmuEX0027521	chr15	79178184	79184622	79184818	79187397	+
Mafg	MmuEX0027522	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Mafg	MmuEX0027523	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Maged1	MmuEX0027530	chrX	91783094	91783313	91783404	91783523	-
Maged1	MmuEX0027531	chrX	91785886	91786590	91786663	91787231	-
Maged2	MmuEX0027532	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Maged2	MmuEX0027533	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Maged2	MmuEX0027534	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Maged2	MmuEX0027535	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Magi1	MmuEX0027536	chr6	93765819	93893198	93893314	94233004	-
Magi1	MmuEX0027537	chr6	93710759	93719502	93719537	93723601	-
Magi1	MmuEX0027538	chr6	93705100	93707649	93707758	93710702	-
Magi1	MmuEX0027539	chr6	93697368	93705008	93705100	93707649	-
Magi1	MmuEX0027540	chr6	93647481	93649610	93649802	93651284	-
Magi1	MmuEX0027541	chr6	93742547	93765700	93765819	93893198	-
Magi1	MmuEX0027542	chr6	93628996	93632946	93633084	93635548	-
Magi1	MmuEX0027543	chr6	93735640	93742341	93742547	93765700	-
Magi1	MmuEX0027544	chr6	93628996	93630783	93630871	93632946	-
Magi1	MmuEX0027545	chr6	93636869	93644002	93644169	93647188	-
Magi1	MmuEX0027546	chr6	93658214	93667234	93667265	93695428	-
Magi1	MmuEX0027547	chr6	93651375	93657998	93658211	93667234	-
Magi1	MmuEX0027548	chr6	93651375	93654271	93654354	93657998	-
Magi1	MmuEX0027549	chr6	93723683	93735439	93735640	93742341	-
Magi3	MmuEX0027561	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027562	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027563	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027564	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027565	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027566	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027567	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magi3	MmuEX0027568	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Magohb	MmuEX0027569	chr6	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Magohb	MmuEX0027570	chr6	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Magohb	MmuEX0027571	chr6	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Magt1	MmuEX0027572	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Magt1	MmuEX0027573	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Magt1	MmuEX0027574	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Mak16	MmuEX0027581	chr8	32276910	32276995	32277104	32277182	-

Mak16	MmuEX0027582	chr8	32276685	32276846	32276905	32276995	-
Mal	MmuEX0027583	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mall	MmuEX0027584	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Mall	MmuEX0027585	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Malt1	MmuEX0027586	chr18	65597642	65604486	65604607	65607207	+
Malt1	MmuEX0027587	chr18	65618026	65619329	65619392	65622390	+
Malt1	MmuEX0027588	chr18	65622567	65623695	65623769	65624368	+
Malt1	MmuEX0027589	chr18	65623769	65624368	65624495	65630043	+
Malt1	MmuEX0027590	chr18	65607366	65607833	65608011	65608576	+
Malt1	MmuEX0027591	chr18	65591052	65597476	65597642	65604486	+
Malt1	MmuEX0027592	chr18	65608672	65609229	65609261	65611201	+
Malt1	MmuEX0027593	chr18	65630192	65632654	65632811	65634787	+
Malt1	MmuEX0027594	chr18	65613358	65616411	65616489	65617823	+
Mamdc4	MmuEX0027597	chr2	25419794	25419872	25419999	25420096	-
Mamdc4	MmuEX0027598	chr2	25419227	25419686	25419794	25419872	-
Mamdc4	MmuEX0027599	chr2	25420230	25420345	25420491	25420616	-
Mamld1	MmuEX0027604	chrX	68372569	68374533	68374643	68399361	+
Mamld1	MmuEX0027605	chrX	68374643	68399361	68399610	68405365	+
Mamstr	MmuEX0027606	chr7	52897834	52898118	52898299	52898607	+
Man1a	MmuEX0027607	chr10	53696923	53734221	53734301	53745520	-
Man1a	MmuEX0027608	chr10	53654818	53696829	53696923	53734221	-
Man1a2	MmuEX0027609	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1a2	MmuEX0027610	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1a2	MmuEX0027611	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1a2	MmuEX0027612	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1a2	MmuEX0027613	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1a2	MmuEX0027614	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1a2	MmuEX0027615	chr3	1E+08	1E+08	1E+08	1E+08	-
Man1b1	MmuEX0027616	chr2	25188496	25188955	25189063	25189897	+
Man1b1	MmuEX0027617	chr2	25198929	25200488	25200636	25200926	+
Man1b1	MmuEX0027618	chr2	25201114	25203556	25203746	25204091	+
Man1b1	MmuEX0027619	chr2	25190012	25193633	25193787	25197127	+
Man1c1	MmuEX0027620	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Man1c1	MmuEX0027621	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Man1c1	MmuEX0027622	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Man1c1	MmuEX0027623	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Man2a1	MmuEX0027624	chr17	64985995	65000536	65000663	65008241	+
Man2a1	MmuEX0027625	chr17	64974791	64985824	64985995	65000536	+
Man2a2	MmuEX0027626	chr7	87507889	87508040	87508222	87508353	-
Man2a2	MmuEX0027627	chr7	87504669	87505782	87506018	87507185	-
Man2a2	MmuEX0027628	chr7	87511941	87512197	87512370	87512583	-
Man2b1	MmuEX0027629	chr8	87607387	87608300	87608402	87608507	+
Man2b1	MmuEX0027630	chr8	87611216	87612453	87612569	87614814	+
Man2b2	MmuEX0027631	chr5	37217451	37219103	37219208	37220867	-
Man2b2	MmuEX0027632	chr5	37199142	37200243	37200355	37201531	-
Man2b2	MmuEX0027633	chr5	37215446	37215780	37215905	37217279	-
Man2b2	MmuEX0027634	chr5	37208936	37209701	37209891	37212121	-

Man2b2	MmuEX0027635	chr5	37213253	37215331	37215446	37217279	-
Man2c1	MmuEX0027636	chr9	56984606	56984765	56984875	56985089	+
Man2c1	MmuEX0027637	chr9	56987208	56987418	56987515	56987677	+
Man2c1	MmuEX0027638	chr9	56981399	56981940	56982043	56982897	+
Man2c1	MmuEX0027639	chr9	56981399	56982897	56983074	56983252	+
Man2c1	MmuEX0027640	chr9	56986327	56986661	56986776	56986876	+
Man2c1	MmuEX0027641	chr9	56979092	56979339	56979462	56981329	+
Man2c1	MmuEX0027642	chr9	56983441	56984047	56984132	56984500	+
Man2c1	MmuEX0027643	chr9	56987515	56987677	56987771	56988006	+
Man2c1	MmuEX0027644	chr9	56987771	56988006	56988110	56988189	+
Manba	MmuEX0027645	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manba	MmuEX0027646	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manba	MmuEX0027647	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manba	MmuEX0027648	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manba	MmuEX0027649	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manba	MmuEX0027650	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manba	MmuEX0027651	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Manbal	MmuEX0027652	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Manbal	MmuEX0027653	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Manea	MmuEX0027654	chr4	26263877	26267564	26268145	26273744	-
Manea	MmuEX0027655	chr4	26256309	26263768	26263877	26267564	-
Maoa	MmuEX0027659	chrX	16197039	16211308	16211402	16216190	+
Maoa	MmuEX0027660	chrX	16235798	16236571	16236662	16239443	+
Maob	MmuEX0027661	chrX	16316311	16317197	16317301	16345504	-
Maob	MmuEX0027662	chrX	16295439	16300062	16300115	16301786	-
Maob	MmuEX0027663	chrX	16348145	16392377	16392572	16394356	-
Maob	MmuEX0027664	chrX	16345641	16348051	16348145	16394356	-
Map1lc3a	MmuEX0027665	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Map2k1	MmuEX0027667	chr9	64035143	64035484	64035545	64039074	-
Map2k1	MmuEX0027668	chr9	64041633	64062206	64062416	64101020	-
Map2k1	MmuEX0027669	chr9	64041633	64060391	64060537	64101020	-
Map2k1	MmuEX0027670	chr9	64041633	64052918	64052995	64101020	-
Map2k1	MmuEX0027671	chr9	64041633	64052238	64052289	64101020	-
Map2k2	MmuEX0027672	chr10	80577917	80578090	80578237	80580897	+
Map2k2	MmuEX0027673	chr10	80582448	80583788	80583855	80584648	+
Map2k2	MmuEX0027674	chr10	80571703	80577771	80577917	80580897	+
Map2k3	MmuEX0027675	chr11	60759064	60760146	60760273	60760613	+
Map2k3	MmuEX0027676	chr11	60758283	60759013	60759064	60760146	+
Map2k4	MmuEX0027677	chr11	65548868	65556825	65556967	65569771	-
Map2k4	MmuEX0027678	chr11	65569873	65589235	65589267	65601638	-
Map2k4	MmuEX0027679	chr11	65548868	65569771	65569873	65601638	-
Map2k4	MmuEX0027680	chr11	65533105	65548694	65548868	65569771	-
Map2k5	MmuEX0027681	chr9	63110994	63128826	63128874	63134206	-
Map2k5	MmuEX0027682	chr9	63104855	63109951	63110001	63110921	-
Map2k5	MmuEX0027683	chr9	63042054	63045118	63045179	63064800	-
Map2k5	MmuEX0027684	chr9	63011997	63042009	63042054	63045118	-
Map2k5	MmuEX0027685	chr9	63186928	63191194	63191263	63205800	-

Map2k5	MmuEX0027686	chr9	63185959	63186888	63186928	63191194	-
Map2k5	MmuEX0027687	chr9	63177763	63185892	63185959	63186888	-
Map2k5	MmuEX0027688	chr9	63141412	63141503	63141571	63150928	-
Map2k5	MmuEX0027689	chr9	63150967	63170010	63170074	63177715	-
Map2k5	MmuEX0027690	chr9	63065172	63083096	63083125	63104784	-
Map2k5	MmuEX0027691	chr9	63064832	63065146	63065172	63083096	-
Map2k5	MmuEX0027692	chr9	63205867	63219544	63219592	63224930	-
Map2k5	MmuEX0027693	chr9	63191263	63205800	63205867	63219544	-
Map2k7	MmuEX0027696	chr8	4239033	4240688	4240735	4243304	+
Map2k7	MmuEX0027697	chr8	4244775	4244861	4245003	4245543	+
Map3k1	MmuEX0027698	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Map3k1	MmuEX0027699	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Map3k1	MmuEX0027700	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Map3k10	MmuEX0027701	chr7	28450117	28453368	28453548	28458362	-
Map3k10	MmuEX0027702	chr7	28446670	28447861	28448068	28448244	-
Map3k10	MmuEX0027703	chr7	28443551	28443849	28443961	28444040	-
Map3k10	MmuEX0027704	chr7	28449592	28449969	28450117	28453368	-
Map3k11	MmuEX0027705	chr19	5688773	5689477	5689512	5689689	+
Map3k11	MmuEX0027706	chr19	5690988	5692934	5693021	5695161	+
Map3k12	MmuEX0027707	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Map3k12	MmuEX0027709	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Map3k14	MmuEX0027711	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Map3k15	MmuEX0027715	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Map3k2	MmuEX0027720	chr18	32376946	32378014	32378145	32380159	+
Map3k2	MmuEX0027722	chr18	32356612	32358305	32358345	32359593	+
Map3k2	MmuEX0027723	chr18	32363541	32367062	32367192	32368296	+
Map3k3	MmuEX0027724	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Map3k3	MmuEX0027725	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Map3k3	MmuEX0027726	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Map3k3	MmuEX0027727	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Map3k3	MmuEX0027728	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Map3k4	MmuEX0027729	chr17	12465086	12470787	12470973	12511364	-
Map3k4	MmuEX0027730	chr17	12432936	12436366	12436462	12440169	-
Map3k4	MmuEX0027731	chr17	12432936	12435516	12435671	12436366	-
Map3k5	MmuEX0027732	chr10	19799143	19802193	19802274	19814168	+
Map3k5	MmuEX0027733	chr10	19820003	19823966	19824071	19827955	+
Map3k5	MmuEX0027734	chr10	19824071	19827955	19828112	19830524	+
Map3k5	MmuEX0027735	chr10	19831604	19834594	19834634	19837951	+
Map3k5	MmuEX0027736	chr10	19720511	19739364	19739387	19743414	+
Map3k5	MmuEX0027737	chr10	19749009	19766178	19766290	19776281	+
Map3k5	MmuEX0027738	chr10	19778896	19787635	19787742	19796288	+
Map3k5	MmuEX0027739	chr10	19802274	19814168	19814301	19819311	+
Map3k6	MmuEX0027740	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k6	MmuEX0027741	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k6	MmuEX0027742	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k6	MmuEX0027743	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k6	MmuEX0027744	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+

Map3k6	MmuEX0027745	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k6	MmuEX0027746	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k6	MmuEX0027747	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Map3k7	MmuEX0027748	chr4	32079491	32081849	32081929	32089064	+
Map3k8	MmuEX0027749	chr18	4339601	4340545	4340806	4343020	-
Map4k1	MmuEX0027756	chr7	29768291	29768409	29768499	29769102	+
Map4k1	MmuEX0027757	chr7	29780507	29781108	29781192	29783471	+
Map4k1	MmuEX0027769	chr7	29783547	29783632	29783692	29784792	+
Map4k2	MmuEX0027770	chr19	6343386	6343461	6343523	6343802	+
Map4k2	MmuEX0027771	chr19	6343883	6343972	6344079	6344407	+
Map4k2	MmuEX0027772	chr19	6345482	6345577	6345610	6345728	+
Map4k2	MmuEX0027773	chr19	6346293	6346388	6346467	6346545	+
Map4k2	MmuEX0027774	chr19	6346605	6346692	6346809	6351180	+
Map4k2	MmuEX0027775	chr19	6342310	6342610	6342657	6342744	+
Map4k2	MmuEX0027776	chr19	6343523	6343802	6343883	6343972	+
Map4k2	MmuEX0027777	chr19	6346467	6346545	6346605	6346692	+
Map4k2	MmuEX0027778	chr19	6342657	6342744	6342786	6343104	+
Map4k2	MmuEX0027779	chr19	6342786	6343104	6343176	6343255	+
Map4k2	MmuEX0027780	chr19	6343176	6343255	6343386	6343461	+
Map4k3	MmuEX0027781	chr17	81017935	81021738	81021770	81023396	-
Map4k3	MmuEX0027782	chr17	81009171	81011371	81011455	81012808	-
Map4k3	MmuEX0027783	chr17	80992499	80994196	80994285	80996893	-
Map4k3	MmuEX0027784	chr17	81053807	81054594	81054946	81055197	-
Map4k3	MmuEX0027785	chr17	81048939	81050425	81050467	81053202	-
Map4k3	MmuEX0027786	chr17	81015868	81017634	81017687	81017897	-
Map4k3	MmuEX0027787	chr17	81029813	81036060	81036138	81043472	-
Map4k3	MmuEX0027788	chr17	81023454	81029755	81029813	81043472	-
Map4k3	MmuEX0027789	chr17	81023454	81028626	81028688	81029755	-
Map4k3	MmuEX0027790	chr17	81063422	81080208	81080265	81127134	-
Map4k3	MmuEX0027791	chr17	81055261	81063332	81063422	81080208	-
Map4k4	MmuEX0027792	chr1	40040782	40042027	40042105	40043470	+
Map4k4	MmuEX0027793	chr1	40056819	40057469	40057594	40060602	+
Map4k4	MmuEX0027794	chr1	40064375	40065176	40065184	40066533	+
Map4k4	MmuEX0027795	chr1	40054027	40056733	40056819	40057376	+
Map4k4	MmuEX0027796	chr1	40067522	40068495	40068686	40070951	+
Map4k4	MmuEX0027797	chr1	40057594	40058275	40058436	40060602	+
Map4k4	MmuEX0027798	chr1	40057594	40060608	40060832	40061652	+
Map4k5	MmuEX0027799	chr12	70929053	70931416	70931483	70932539	-
Map4k5	MmuEX0027800	chr12	70923850	70924409	70924488	70925567	-
Map4k5	MmuEX0027801	chr12	70957332	70957760	70957850	70975264	-
Map4k5	MmuEX0027802	chr12	70912353	70913643	70913684	70914123	-
Map4k5	MmuEX0027803	chr12	70906338	70908185	70908240	70910199	-
Map4k5	MmuEX0027804	chr12	70919485	70921927	70921929	70923790	-
Map4k5	MmuEX0027805	chr12	70943023	70943875	70943956	70945343	-
Mapk1	MmuEX0027806	chr16	17026582	17035535	17035644	17038407	+
Mapk1	MmuEX0027807	chr16	17026233	17026451	17026582	17035535	+
Mapk10	MmuEX0027808	chr5	1.03E+08	1.03E+08	1.03E+08	1.04E+08	-

Mapk10	MmuEX0027809	chr5	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Mapk10	MmuEX0027810	chr5	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Mapk10	MmuEX0027811	chr5	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Mapk10	MmuEX0027812	chr5	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Mapk11	MmuEX0027813	chr15	88975876	88976232	88976346	88976433	-
Mapk12	MmuEX0027814	chr15	88963410	88963509	88963580	88965042	-
Mapk12	MmuEX0027815	chr15	88967889	88969619	88969769	88970558	-
Mapk12	MmuEX0027816	chr15	88789933	88962925	88963098	88963183	-
Mapk12	MmuEX0027817	chr15	88963580	88967831	88967889	88970558	-
Mapk12	MmuEX0027818	chr15	88963580	88966007	88966118	88967831	-
Mapk12	MmuEX0027819	chr15	88963580	88965857	88965886	88966007	-
Mapk12	MmuEX0027820	chr15	88963580	88965553	88965600	88965857	-
Mapk12	MmuEX0027821	chr15	88963580	88965042	88965156	88965553	-
Mapk14	MmuEX0027824	chr17	28828800	28829701	28829745	28850719	+
Mapk14	MmuEX0027825	chr17	28865416	28865849	28865920	28878733	+
Mapk14	MmuEX0027826	chr17	28865920	28873956	28874035	28878733	+
Mapk14	MmuEX0027827	chr17	28865920	28877689	28877704	28878733	+
Mapk1ip1	MmuEX0027832	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Mapk1ip1l	MmuEX0027833	chr14	47918080	47918484	47918607	47928242	+
Mapk4	MmuEX0027834	chr18	74096928	74107466	74107527	74129545	-
Mapk4	MmuEX0027835	chr18	74094821	74096784	74096928	74129545	-
Mapk7	MmuEX0027838	chr11	61306571	61307149	61307456	61307582	-
Mapk8	MmuEX0027839	chr14	34221363	34224042	34224210	34260201	-
Mapk8	MmuEX0027840	chr14	34216109	34221234	34221363	34224042	-
Mapk8	MmuEX0027841	chr14	34202168	34203859	34203930	34206128	-
Mapk8	MmuEX0027842	chr14	34202168	34203428	34203499	34206128	-
Mapk8	MmuEX0027843	chr14	34206293	34215810	34215948	34216051	-
Mapk8ip1	MmuEX0027844	chr2	92225151	92225304	92225420	92225570	-
Mapk8ip3	MmuEX0027848	chr17	25043173	25043448	25043465	25043754	-
Mapk8ip3	MmuEX0027849	chr17	25042243	25043092	25043173	25043754	-
Mapk8ip3	MmuEX0027850	chr17	25040329	25040870	25040996	25041594	-
Mapk8ip3	MmuEX0027851	chr17	25038732	25039223	25039388	25039949	-
Mapk8ip3	MmuEX0027852	chr17	25037591	25037733	25037800	25037884	-
Mapk8ip3	MmuEX0027853	chr17	25036658	25036781	25036894	25037107	-
Mapk8ip3	MmuEX0027854	chr17	25051650	25053544	25053574	25054940	-
Mapk8ip3	MmuEX0027855	chr17	25045373	25046095	25046106	25049693	-
Mapk8ip3	MmuEX0027856	chr17	25055084	25057417	25057440	25060761	-
Mapk8ip3	MmuEX0027857	chr17	25061162	25064774	25064894	25073482	-
Mapk9	MmuEX0027858	chr11	49660477	49667715	49667884	49677046	+
Mapk9	MmuEX0027859	chr11	49667884	49677046	49677175	49680485	+
Mapk9	MmuEX0027860	chr11	49686401	49687766	49687837	49691733	+
Mapk9	MmuEX0027861	chr11	49667884	49668239	49668479	49677046	+
Mapkap1	MmuEX0027862	chr2	34262774	34274628	34274785	34287523	+
Mapkap1	MmuEX0027863	chr2	34262774	34287523	34287850	34290653	+
Mapkap1	MmuEX0027864	chr2	34274785	34285038	34285146	34287523	+
Mapkap1	MmuEX0027865	chr2	34353393	34374193	34374369	34389308	+
Mapkap1	MmuEX0027866	chr2	34389417	34418575	34418682	34436712	+

Mapkap1	MmuEX0027867	chr2	34436852	34452943	34453080	34475365	+
Mapkap1	MmuEX0027868	chr2	34287850	34290653	34290742	34299778	+
Mapkapk2	MmuEX0027869	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Mapkapk3	MmuEX0027870	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Mapkapk3	MmuEX0027871	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Mapkapk3	MmuEX0027872	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Mapkapk3	MmuEX0027873	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Mapkapk3	MmuEX0027874	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Mapkapk5	MmuEX0027875	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027876	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027877	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027878	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027879	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027880	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027881	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkapk5	MmuEX0027882	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mapkbp1	MmuEX0027883	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027884	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027885	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027886	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027887	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027888	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027889	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027890	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027891	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapkbp1	MmuEX0027892	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mapre2	MmuEX0027894	chr18	23912370	23918095	23918207	23931105	+
Mapre3	MmuEX0027895	chr5	31165733	31166947	31167101	31167188	+
Mapre3	MmuEX0027896	chr5	31165016	31165577	31165733	31166947	+
Mapt	MmuEX0027897	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027898	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027899	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027900	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027901	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027902	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027903	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mapt	MmuEX0027904	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Mar-02	MmuEX0027917	chr17	33846917	33852888	33853007	33855491	-
Mar-02	MmuEX0027918	chr17	33829098	33832982	33833191	33839958	-
Mar-02	MmuEX0027919	chr17	33825187	33828964	33829098	33832982	-
Mar-02	MmuEX0027920	chr17	33833191	33839958	33840153	33846690	-
Mar-03	MmuEX0027921	chr18	56967522	56971486	56971729	57084961	-
Mar-03	MmuEX0027922	chr18	56942882	56967318	56967522	56971486	-
Mar-05	MmuEX0027924	chr19	37282394	37285161	37285363	37291673	+
Mar-05	MmuEX0027925	chr19	37285363	37291673	37291799	37294793	+
Mar-06	MmuEX0027926	chr15	31420382	31422494	31422526	31423826	-
Mar-06	MmuEX0027927	chr15	31428497	31430671	31430743	31432475	-

	Mar-06	MmuEX0027928	chr15	31416190	31417693	31417707	31418547	-
	Mar-07	MmuEX0027929	chr2	60048141	60062827	60062927	60066975	+
	Mar-07	MmuEX0027930	chr2	60067936	60070257	60070424	60071956	+
	Mar-07	MmuEX0027931	chr2	60081727	60083269	60083317	60085947	+
	Mar-07	MmuEX0027932	chr2	60083317	60085545	60085569	60085947	+
	Mar-08	MmuEX0027933	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027934	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027935	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027936	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027937	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027938	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027939	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-08	MmuEX0027940	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
	Mar-09	MmuEX0027941	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Mark1		MmuEX0027944	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
Mark1		MmuEX0027946	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	-
Mark2		MmuEX0027947	chr19	7358058	7358955	7359067	7359150	-
Mark2		MmuEX0027948	chr19	7353768	7354099	7354172	7354476	-
Mark2		MmuEX0027949	chr19	7355745	7356288	7356449	7357216	-
Mark2		MmuEX0027950	chr19	7352576	7355488	7355745	7357216	-
Mark2		MmuEX0027951	chr19	7352576	7354476	7354502	7355488	-
Mark2		MmuEX0027952	chr19	7352576	7353601	7353768	7354476	-
Mark2		MmuEX0027953	chr19	7351940	7352532	7352576	7355488	-
Mark2		MmuEX0027954	chr19	7365272	7415658	7415744	7415989	-
Mark2		MmuEX0027955	chr19	7364859	7365093	7365272	7415658	-
Mark3		MmuEX0027956	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027957	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027958	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027959	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027960	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027961	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027962	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark3		MmuEX0027963	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mark4		MmuEX0027964	chr7	20034007	20036905	20037105	20043793	-
Mark4		MmuEX0027965	chr7	20028702	20030458	20030514	20032530	-
Mark4		MmuEX0027966	chr7	20022867	20028466	20028702	20030458	-
Mark4		MmuEX0027967	chr7	20013467	20014455	20014534	20014675	-
Mark4		MmuEX0027968	chr7	20020065	20020161	20020270	20022287	-
Mark4		MmuEX0027969	chr7	20037105	20042415	20042448	20043793	-
Mars		MmuEX0027970	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mars		MmuEX0027971	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mars		MmuEX0027972	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mars		MmuEX0027973	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mars		MmuEX0027974	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mast1		MmuEX0027987	chr8	87437427	87442569	87442678	87444259	-
Mast1		MmuEX0027988	chr8	87437427	87441952	87442130	87442569	-
Mast1		MmuEX0027989	chr8	87437427	87441626	87441873	87441952	-

Mast1	MmuEX0027990	chr8	87437427	87440452	87440658	87441626	-
Mast1	MmuEX0027991	chr8	87437427	87440055	87440284	87440452	-
Mast1	MmuEX0027992	chr8	87437427	87439579	87439701	87440055	-
Mast1	MmuEX0027993	chr8	87437427	87439354	87439490	87439579	-
Mast2	MmuEX0027994	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0027995	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0027996	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0027997	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0027998	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0027999	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0028000	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0028001	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0028002	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast2	MmuEX0028003	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mast3	MmuEX0028005	chr8	73307708	73308042	73308164	73308413	-
Mast3	MmuEX0028006	chr8	73305273	73305411	73305623	73305799	-
Mast3	MmuEX0028007	chr8	73304575	73304768	73304890	73305047	-
Mast3	MmuEX0028008	chr8	73308792	73309260	73309392	73310056	-
Mast4	MmuEX0028012	chr13	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mast4	MmuEX0028013	chr13	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mast4	MmuEX0028015	chr13	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mast4	MmuEX0028016	chr13	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mat2a	MmuEX0028024	chr6	72385108	72385200	72385382	72385805	-
Mat2b	MmuEX0028025	chr11	40496159	40498184	40498336	40498729	-
Mat2b	MmuEX0028026	chr11	40493696	40494158	40494271	40495966	-
Matn2	MmuEX0028033	chr15	34353571	34355918	34356040	34358189	+
Matn2	MmuEX0028035	chr15	34361379	34362435	34362506	34362788	+
Matn2	MmuEX0028036	chr15	34275315	34285321	34285440	34308410	+
Matn2	MmuEX0028037	chr15	34285440	34308410	34308532	34318479	+
Matn2	MmuEX0028038	chr15	34328927	34332590	34332712	34339508	+
Matn2	MmuEX0028039	chr15	34339991	34352097	34352219	34353449	+
Matn2	MmuEX0028040	chr15	34352219	34353449	34353571	34355918	+
Matr3	MmuEX0028042	chr18	35747507	35747986	35748107	35750034	+
Matr3	MmuEX0028043	chr18	35738972	35740824	35740949	35741251	+
Mau2	MmuEX0028044	chr8	72550150	72550572	72550675	72551364	-
Mau2	MmuEX0028045	chr8	72547596	72548675	72548813	72549727	-
Mau2	MmuEX0028046	chr8	72543559	72543646	72543773	72544319	-
Mau2	MmuEX0028047	chr8	72552673	72552901	72552996	72553107	-
Mau2	MmuEX0028048	chr8	72551454	72551521	72551667	72552518	-
Mau2	MmuEX0028049	chr8	72543773	72544319	72544409	72546035	-
Mau2	MmuEX0028050	chr8	72547596	72549727	72549792	72550073	-
Mavs	MmuEX0028051	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mavs	MmuEX0028052	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mavs	MmuEX0028053	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mavs	MmuEX0028054	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Max	MmuEX0028055	chr12	78039742	78040417	78040501	78040954	-
Max	MmuEX0028056	chr12	78054263	78062250	78062276	78062977	-

Max	MmuEX0028057	chr12	78041077	78054156	78054263	78062977	-
Maz	MmuEX0028058	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Maz	MmuEX0028059	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Mb	MmuEX0028060	chr15	76848228	76852919	76853021	76880955	-
Mbd1	MmuEX0028061	chr18	74436593	74436955	74437083	74437171	+
Mbd1	MmuEX0028062	chr18	74437232	74438333	74438404	74441533	+
Mbd1	MmuEX0028063	chr18	74433311	74433389	74433471	74433670	+
Mbd1	MmuEX0028064	chr18	74429192	74432863	74432977	74433067	+
Mbd1	MmuEX0028065	chr18	74435071	74435561	74435725	74436061	+
Mbd1	MmuEX0028066	chr18	74434215	74434299	74434427	74434802	+
Mbd1	MmuEX0028067	chr18	74434427	74434802	74434912	74434997	+
Mbd2	MmuEX0028068	chr18	70752994	70753930	70754053	70776219	+
Mbd3	MmuEX0028069	chr10	79855763	79855840	79856021	79856638	-
Mbd5	MmuEX0028072	chr2	48805695	48844548	48844675	48873774	+
Mbd5	MmuEX0028073	chr2	48974325	48990786	48990975	49025429	+
Mbd5	MmuEX0028074	chr2	48974325	49025429	49025533	49087192	+
Mbd5	MmuEX0028075	chr2	49025533	49035586	49035842	49087192	+
Mbd5	MmuEX0028076	chr2	49101726	49105659	49105761	49106763	+
Mbd5	MmuEX0028079	chr2	48873845	48881520	48881620	48929362	+
Mbd5	MmuEX0028080	chr2	48873845	48929362	48929403	48942110	+
Mbd5	MmuEX0028081	chr2	48881620	48920225	48920277	48942110	+
Mbd5	MmuEX0028082	chr2	48873845	48942110	48942172	48955237	+
Mbd5	MmuEX0028083	chr2	48955329	48974172	48974325	49025429	+
Mbd5	MmuEX0028084	chr2	49105761	49106763	49106943	49111697	+
Mbd5	MmuEX0028086	chr2	49135303	49154176	49154249	49169170	+
Mbd6	MmuEX0028087	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Mbip	MmuEX0028088	chr12	57441284	57441372	57441590	57443223	-
Mbip	MmuEX0028089	chr12	57438816	57441188	57441284	57441372	-
Mbnl1	MmuEX0028091	chr3	60426162	60427901	60427963	60429046	+
Mbnl1	MmuEX0028092	chr3	60305345	60332678	60332900	60399516	+
Mbnl1	MmuEX0028093	chr3	60333726	60399516	60399686	60407616	+
Mbnl1	MmuEX0028094	chr3	60399686	60407616	60407816	60417185	+
Mbnl1	MmuEX0028095	chr3	60399686	60400641	60400751	60407616	+
Mbnl1	MmuEX0028097	chr3	60417442	60418605	60418658	60419542	+
Mbnl1	MmuEX0028098	chr3	60417442	60419647	60419695	60429046	+
Mbnl1	MmuEX0028099	chr3	60419695	60425345	60425380	60426068	+
Mbnl1	MmuEX0028100	chr3	60425380	60426068	60426162	60429046	+
Mbnl2	MmuEX0028101	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mbnl2	MmuEX0028102	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mbnl2	MmuEX0028103	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mbnl2	MmuEX0028104	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mbnl2	MmuEX0028105	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mbnl2	MmuEX0028106	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mbnl2	MmuEX0028107	chr14	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mboat2	MmuEX0028115	chr12	25516639	25539744	25539869	25563056	+
Mboat2	MmuEX0028116	chr12	25516639	25563056	25563201	25567582	+
Mboat2	MmuEX0028117	chr12	25636354	25639051	25639115	25640142	+

Mboat2	MmuEX0028118	chr12	25639115	25640142	25640274	25642438	+
Mboat2	MmuEX0028119	chr12	25640274	25642438	25642589	25643800	+
Mboat2	MmuEX0028120	chr12	25563201	25567582	25567659	25609064	+
Mboat2	MmuEX0028121	chr12	25631551	25633053	25633245	25636251	+
Mboat2	MmuEX0028122	chr12	25567659	25609064	25609159	25619432	+
Mboat2	MmuEX0028123	chr12	25609159	25619432	25619487	25624159	+
Mboat7	MmuEX0028124	chr7	3643537	3643642	3643720	3644343	-
Mboat7	MmuEX0028125	chr7	3640284	3642864	3642990	3643408	-
Mboat7	MmuEX0028126	chr7	3630451	3637276	3637636	3640125	-
Mboat7	MmuEX0028127	chr7	3630451	3635411	3635587	3637276	-
Mbtd1	MmuEX0028133	chr11	93771720	93773690	93773772	93782681	+
Mbtd1	MmuEX0028134	chr11	93780261	93780548	93780600	93782681	+
Mbtd1	MmuEX0028137	chr11	93752702	93753080	93753206	93766473	+
Mbtd1	MmuEX0028138	chr11	93748387	93752653	93752702	93766473	+
Mbtd1	MmuEX0028139	chr11	93773772	93780145	93780261	93782681	+
Mbtps1	MmuEX0028140	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028141	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028142	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028143	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028144	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028145	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028146	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028147	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps1	MmuEX0028148	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mbtps2	MmuEX0028149	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mbtps2	MmuEX0028150	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mbtps2	MmuEX0028151	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mbtps2	MmuEX0028152	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mbtps2	MmuEX0028153	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mbtps2	MmuEX0028154	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mbtps2	MmuEX0028155	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Mcam	MmuEX0028156	chr9	43947362	43947483	43947854	43947943	+
Mcam	MmuEX0028157	chr9	43948084	43948220	43948341	43948445	+
Mcam	MmuEX0028158	chr9	43942839	43943184	43943358	43944601	+
Mcam	MmuEX0028159	chr9	43948586	43948681	43948776	43948928	+
Mcam	MmuEX0028160	chr9	43949075	43949358	43949475	43949867	+
Mcart1	MmuEX0028161	chr4	45413051	45417599	45417707	45421567	-
Mcart6	MmuEX0028166	chrX	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Mcat	MmuEX0028167	chr15	83383051	83383800	83383877	83385701	-
Mcat	MmuEX0028168	chr15	83378372	83379548	83379765	83382782	-
Mcc	MmuEX0028172	chr18	44609093	44619453	44619636	44623492	-
Mccc1	MmuEX0028176	chr3	35892933	35894703	35894839	35896447	-
Mccc1	MmuEX0028177	chr3	35863402	35867346	35867395	35871400	-
Mccc1	MmuEX0028178	chr3	35873212	35875583	35875766	35877845	-
Mccc1	MmuEX0028179	chr3	35874826	35875401	35875498	35875583	-
Mccc1	MmuEX0028180	chr3	35873212	35874717	35874826	35875583	-
Mccc1	MmuEX0028181	chr3	35894839	35896447	35896493	35899403	-

Mccc1	MmuEX0028182	chr3	35882736	35882950	35883076	35883904	-
Mccc2	MmuEX0028183	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028184	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028185	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028186	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028187	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028188	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028189	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028190	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mccc2	MmuEX0028191	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Mcee	MmuEX0028192	chr7	71537729	71537995	71538041	71545055	+
Mcee	MmuEX0028193	chr7	71545392	71548841	71548929	71551052	+
Mcee	MmuEX0028194	chr7	71548929	71551052	71551161	71554779	+
Mcee	MmuEX0028195	chr7	71537729	71543579	71543799	71545055	+
Mcee	MmuEX0028196	chr7	71537729	71545055	71545230	71556721	+
Mcf2l	MmuEX0028204	chr8	12973093	12984860	12984950	12993829	+
Mcf2l	MmuEX0028205	chr8	13003961	13005450	13005516	13006725	+
Mcf2l	MmuEX0028206	chr8	13006840	13007685	13007754	13009467	+
Mcf2l	MmuEX0028207	chr8	12880150	12963164	12963247	12972979	+
Mcf2l	MmuEX0028208	chr8	13011821	13012801	13012879	13012998	+
Mcf2l	MmuEX0028209	chr8	12984950	12993829	12993948	12996610	+
Mcf2l	MmuEX0028210	chr8	13013650	13013915	13013998	13017347	+
Mcf2l	MmuEX0028211	chr8	13013650	13014819	13014893	13017347	+
Mcfd2	MmuEX0028212	chr17	87658221	87662264	87662347	87663481	-
Mcfd2	MmuEX0028213	chr17	87657429	87658090	87658432	87661692	-
Mcl1	MmuEX0028214	chr3	95463931	95464153	95464210	95464630	+
Mcm2	MmuEX0028224	chr6	88839199	88839782	88839916	88841667	-
Mcm3	MmuEX0028225	chr1	20793735	20793862	20794043	20794898	-
Mcm3ap	MmuEX0028226	chr10	75971172	75973765	75973968	75975163	+
Mcm3ap	MmuEX0028227	chr10	75973968	75975163	75975313	75978327	+
Mcm3ap	MmuEX0028228	chr10	75943885	75944154	75944256	75945369	+
Mcm3ap	MmuEX0028229	chr10	75943885	75944437	75944667	75945369	+
Mcm3ap	MmuEX0028230	chr10	75940655	75943510	75943524	75943746	+
Mcm3ap	MmuEX0028231	chr10	75940655	75943746	75943885	75945369	+
Mcm4	MmuEX0028232	chr16	15624862	15625655	15625788	15626129	-
Mcm4	MmuEX0028233	chr16	15627949	15628686	15628813	15629395	-
Mcm4	MmuEX0028234	chr16	15634670	15635142	15635237	15635323	-
Mcm5	MmuEX0028235	chr8	77647868	77648700	77648842	77650136	+
Mcm5	MmuEX0028236	chr8	77648842	77648971	77649045	77650136	+
Mcm5	MmuEX0028237	chr8	77638219	77639751	77639917	77641421	+
Mcm6	MmuEX0028238	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Mcm6	MmuEX0028239	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Mcm8	MmuEX0028241	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Mcm8	MmuEX0028242	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Mcm8	MmuEX0028243	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Mcm9	MmuEX0028244	chr10	53260889	53261343	53261425	53267209	-
Mcm9	MmuEX0028245	chr10	53283263	53331158	53331277	53332633	-

Mcm9	MmuEX0028246	chr10	53283263	53316611	53317104	53322154	-
Mcm9	MmuEX0028247	chr10	53268505	53283089	53283263	53331158	-
Mcm9	MmuEX0028248	chr10	53335921	53342562	53342878	53345522	-
Mcm9	MmuEX0028249	chr10	53335921	53339940	53340021	53342562	-
Mcm9	MmuEX0028250	chr10	53332758	53335658	53335858	53339940	-
Mcm9	MmuEX0028251	chr10	53283263	53332633	53332758	53335658	-
Mcm9	MmuEX0028252	chr10	53283263	53327471	53328115	53331158	-
Mcm9	MmuEX0028253	chr10	53283263	53325915	53325996	53327471	-
Mcm9	MmuEX0028254	chr10	53283263	53322154	53322269	53325915	-
Mcm9	MmuEX0028255	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Mcm9	MmuEX0028256	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Mcm9	MmuEX0028257	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Mcoln1	MmuEX0028258	chr8	3510915	3511688	3511810	3512650	+
Mcoln1	MmuEX0028259	chr8	3505943	3507149	3507316	3512650	+
Mcoln1	MmuEX0028260	chr8	3507316	3507401	3507566	3512650	+
Mcoln1	MmuEX0028261	chr8	3507566	3508319	3508427	3512650	+
Mcoln1	MmuEX0028262	chr8	3508427	3508684	3508780	3512650	+
Mcoln1	MmuEX0028263	chr8	3508780	3509136	3509235	3512650	+
Mcoln1	MmuEX0028264	chr8	3509235	3510320	3510426	3512650	+
Mcoln1	MmuEX0028265	chr8	3510426	3510540	3510689	3512650	+
Mcoln1	MmuEX0028266	chr8	3510689	3510814	3510915	3512650	+
Mcph1	MmuEX0028273	chr8	18595635	18596923	18597014	18607279	+
Mcph1	MmuEX0028275	chr8	18641665	18668946	18668983	18671092	+
Mcph1	MmuEX0028276	chr8	18689059	18788239	18788476	18801406	+
Mcph1	MmuEX0028277	chr8	18622694	18625560	18625674	18627118	+
Mcph1	MmuEX0028278	chr8	18622694	18627118	18627240	18629546	+
Mcph1	MmuEX0028279	chr8	18622694	18629546	18629635	18641565	+
Mcph1	MmuEX0028280	chr8	18629635	18631516	18632643	18641565	+
Mcph1	MmuEX0028281	chr8	18622694	18641565	18641665	18668946	+
Mcrs1	MmuEX0028283	chr15	99079291	99080894	99081013	99082293	-
Mcts1	MmuEX0028302	chrX	35953955	35954529	35954574	35955106	+
Mcts1	MmuEX0028303	chrX	35953955	35955106	35955258	35955753	+
Mcts1	MmuEX0028304	chrX	35953955	35955753	35955850	35959116	+
Mdc1	MmuEX0028305	chr17	35986044	35987240	35987458	35988058	+
Mdc1	MmuEX0028306	chr17	35991926	35992045	35992155	35994408	+
Mdfic	MmuEX0028310	chr6	15691110	15692484	15692690	15720214	+
Mdfic	MmuEX0028311	chr6	15671364	15688250	15688583	15690988	+
Mdh2	MmuEX0028314	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mdm1	MmuEX0028316	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028317	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028318	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028319	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028320	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028321	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028322	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028323	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mdm1	MmuEX0028324	chr10	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+

Mdm2	MmuEX0028325	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mdm2	MmuEX0028326	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mdm2	MmuEX0028328	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mdm2	MmuEX0028329	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mdm2	MmuEX0028330	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mdm2	MmuEX0028331	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mdm4	MmuEX0028332	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028333	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028334	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028335	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028336	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028337	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028338	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdm4	MmuEX0028339	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Mdn1	MmuEX0028343	chr4	32773399	32776458	32776571	32778155	+
Mdn1	MmuEX0028345	chr4	32780566	32781469	32781647	32782332	+
Mdn1	MmuEX0028346	chr4	32781647	32782332	32782540	32783197	+
Mdn1	MmuEX0028350	chr4	32830154	32830617	32830815	32831517	+
Mdn1	MmuEX0028353	chr4	32805449	32806142	32806258	32857245	+
Mdn1	MmuEX0028354	chr4	32806258	32807709	32807917	32857245	+
Mdn1	MmuEX0028359	chr4	32812107	32812808	32812940	32857245	+
Mdn1	MmuEX0028360	chr4	32812940	32813801	32813916	32857245	+
Mdn1	MmuEX0028361	chr4	32813916	32815017	32815150	32816605	+
Mdn1	MmuEX0028363	chr4	32815150	32816605	32816762	32816926	+
Mdn1	MmuEX0028364	chr4	32816762	32816926	32817046	32817255	+
Mdn1	MmuEX0028365	chr4	32817046	32817255	32817465	32857245	+
Mdn1	MmuEX0028367	chr4	32817965	32818190	32818304	32857245	+
Mdn1	MmuEX0028368	chr4	32818304	32818890	32819060	32857245	+
Mdn1	MmuEX0028369	chr4	32819060	32819721	32819935	32857245	+
Mdn1	MmuEX0028370	chr4	32819935	32820312	32820699	32857245	+
Mdn1	MmuEX0028371	chr4	32820699	32821317	32821426	32822168	+
Mdn1	MmuEX0028372	chr4	32821426	32822168	32822870	32854917	+
Mdn1	MmuEX0028374	chr4	32822870	32825584	32825745	32854917	+
Mdn1	MmuEX0028375	chr4	32825745	32825878	32826151	32854917	+
Mdn1	MmuEX0028376	chr4	32826151	32826719	32826954	32854917	+
Mdn1	MmuEX0028377	chr4	32826954	32827354	32827449	32854917	+
Mdn1	MmuEX0028378	chr4	32827449	32827981	32828075	32854917	+
Mdn1	MmuEX0028379	chr4	32828075	32828298	32828419	32854917	+
Mdn1	MmuEX0028380	chr4	32828419	32828751	32828897	32854917	+
Mdn1	MmuEX0028381	chr4	32828897	32829431	32829540	32854917	+
Mdn1	MmuEX0028382	chr4	32829540	32830081	32830154	32854917	+
Mdn1	MmuEX0028383	chr4	32797359	32798916	32799113	32854917	+
Mdn1	MmuEX0028384	chr4	32830815	32831517	32831679	32854917	+
Mdn1	MmuEX0028385	chr4	32831679	32832557	32832703	32854917	+
Mdn1	MmuEX0028386	chr4	32832703	32833416	32833542	32854917	+
Mdn1	MmuEX0028387	chr4	32833542	32834819	32834924	32854917	+
Mdn1	MmuEX0028388	chr4	32834924	32835550	32835665	32854917	+

Mdn1	MmuEX0028389	chr4	32835665	32836528	32837010	32854917	+
Mdn1	MmuEX0028390	chr4	32837010	32837317	32837451	32854917	+
Mdn1	MmuEX0028391	chr4	32837451	32837888	32838043	32854917	+
Mdn1	MmuEX0028392	chr4	32838043	32838202	32838368	32854917	+
Mdn1	MmuEX0028393	chr4	32838368	32839006	32839167	32854917	+
Mdn1	MmuEX0028394	chr4	32799113	32800222	32800329	32854917	+
Mdn1	MmuEX0028395	chr4	32839167	32841405	32841542	32854917	+
Mdn1	MmuEX0028396	chr4	32841542	32843352	32843490	32854917	+
Mdn1	MmuEX0028397	chr4	32843490	32844712	32844881	32854917	+
Mdn1	MmuEX0028398	chr4	32844881	32845331	32845474	32854917	+
Mdn1	MmuEX0028399	chr4	32845474	32846025	32846172	32854917	+
Mdn1	MmuEX0028400	chr4	32846172	32847595	32847917	32854917	+
Mdn1	MmuEX0028401	chr4	32847917	32848185	32848346	32854917	+
Mdn1	MmuEX0028402	chr4	32848346	32849227	32849328	32854917	+
Mdn1	MmuEX0028403	chr4	32849328	32850132	32850327	32854917	+
Mdn1	MmuEX0028404	chr4	32850327	32852084	32852251	32854917	+
Mdn1	MmuEX0028406	chr4	32852251	32852637	32852800	32854057	+
Mdn1	MmuEX0028407	chr4	32852800	32854057	32854146	32854917	+
Mdn1	MmuEX0028408	chr4	32854150	32854920	32855032	32857245	+
Mdn1	MmuEX0028409	chr4	32855032	32855628	32855802	32857245	+
Mdn1	MmuEX0028410	chr4	32855802	32857245	32857318	32861800	+
Mdn1	MmuEX0028413	chr4	32803100	32803221	32803482	32854917	+
Mdp1	MmuEX0028414	chr14	56278122	56278207	56278314	56278825	-
Mdp1	MmuEX0028415	chr14	56278314	56278825	56278935	56279005	-
Me2	MmuEX0028416	chr18	73964823	73971690	73971777	73974958	-
Me2	MmuEX0028417	chr18	73957632	73961383	73961516	73964706	-
Me2	MmuEX0028418	chr18	73951564	73954100	73954203	73954435	-
Me2	MmuEX0028419	chr18	73940798	73945349	73945491	73948008	-
Me2	MmuEX0028420	chr18	73954596	73955968	73956043	73957483	-
Me3	MmuEX0028421	chr7	96781603	96787701	96787855	96789537	+
Me3	MmuEX0028422	chr7	96885271	96888317	96888466	96934936	+
Me3	MmuEX0028423	chr7	96888466	96913923	96916240	96934936	+
Me3	MmuEX0028424	chr7	96994823	96996434	96996539	96998104	+
Me3	MmuEX0028425	chr7	96996539	96997118	96997260	96998104	+
Me3	MmuEX0028426	chr7	96935011	96945130	96945291	96955157	+
Me3	MmuEX0028427	chr7	96945291	96955157	96955260	96982207	+
Meaf6	MmuEX0028428	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Meaf6	MmuEX0028429	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Meaf6	MmuEX0028430	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Meaf6	MmuEX0028431	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Meaf6	MmuEX0028432	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Meaf6	MmuEX0028433	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Meaf6	MmuEX0028434	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Mecom	MmuEX0028435	chr3	29851772	29855228	29855411	29856235	-
Mecom	MmuEX0028436	chr3	29865741	29871602	29871628	29876181	-
Mecom	MmuEX0028437	chr3	29886099	29892408	29892624	29896568	-
Mecp2	MmuEX0028438	chrX	71282671	71325248	71325371	71330849	-

Mecr	MmuEX0028439	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mecr	MmuEX0028440	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mecr	MmuEX0028441	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mecr	MmuEX0028442	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Mecr	MmuEX0028443	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Med1	MmuEX0028444	chr11	98030766	98031391	98031754	98032262	-
Med1	MmuEX0028445	chr11	98033084	98034535	98034606	98040426	-
Med1	MmuEX0028446	chr11	98019783	98022251	98022356	98022458	-
Med1	MmuEX0028447	chr11	98022553	98025114	98025315	98027570	-
Med1	MmuEX0028448	chr11	98040454	98041331	98041463	98041568	-
Med1	MmuEX0028449	chr11	98041622	98045156	98045234	98050496	-
Med12	MmuEX0028450	chrX	98470339	98470511	98470702	98470831	+
Med12	MmuEX0028451	chrX	98473898	98474684	98474810	98475895	+
Med12	MmuEX0028452	chrX	98476872	98477077	98477221	98477389	+
Med12	MmuEX0028453	chrX	98477439	98477740	98477858	98478039	+
Med12	MmuEX0028454	chrX	98484834	98485357	98485466	98485664	+
Med12	MmuEX0028455	chrX	98485799	98486534	98486695	98487883	+
Med12	MmuEX0028456	chrX	98473539	98473767	98473898	98474684	+
Med12	MmuEX0028457	chrX	98477221	98477389	98477439	98477740	+
Med12l	MmuEX0028462	chr3	59064755	59065796	59065905	59066132	+
Med13	MmuEX0028472	chr11	86112698	86114152	86114348	86114632	-
Med13	MmuEX0028473	chr11	86100392	86101593	86101782	86102435	-
Med13	MmuEX0028474	chr11	86144687	86145385	86145530	86159362	-
Med13	MmuEX0028475	chr11	86141414	86141949	86142111	86142670	-
Med13	MmuEX0028476	chr11	86122414	86132850	86133533	86141304	-
Med13	MmuEX0028477	chr11	86086065	86087157	86087225	86088876	-
Med13l	MmuEX0028478	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Med13l	MmuEX0028479	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Med13l	MmuEX0028480	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Med13l	MmuEX0028481	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Med13l	MmuEX0028482	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Med13l	MmuEX0028483	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Med14	MmuEX0028484	chrX	12305265	12321843	12321954	12322872	-
Med14	MmuEX0028485	chrX	12305265	12305694	12305780	12321843	-
Med14	MmuEX0028486	chrX	12296876	12300909	12300987	12305140	-
Med14	MmuEX0028487	chrX	12273416	12274135	12274211	12280339	-
Med14	MmuEX0028488	chrX	12266586	12270711	12270822	12273279	-
Med14	MmuEX0028489	chrX	12266586	12268011	12268108	12270711	-
Med14	MmuEX0028490	chrX	12324702	12324975	12325103	12325545	-
Med14	MmuEX0028491	chrX	12323883	12324595	12324702	12324975	-
Med14	MmuEX0028492	chrX	12264327	12266455	12266586	12270711	-
Med14	MmuEX0028493	chrX	12273416	12280339	12280608	12280877	-
Med14	MmuEX0028494	chrX	12321954	12322872	12323022	12323751	-
Med14	MmuEX0028495	chrX	12326463	12331233	12331338	12333555	-
Med15	MmuEX0028496	chr16	17703242	17706492	17706576	17722849	-
Med15	MmuEX0028497	chr16	17685597	17697700	17697787	17722849	-
Med15	MmuEX0028498	chr16	17652356	17652802	17652900	17653284	-

Med15	MmuEX0028500	chr16	17680854	17685546	17685597	17697700	-
Med15	MmuEX0028501	chr16	17680854	17683252	17683281	17685546	-
Med15	MmuEX0028502	chr16	17674751	17680642	17680854	17683252	-
Med15	MmuEX0028503	chr16	17655898	17674498	17674751	17680642	-
Med15	MmuEX0028504	chr16	17655898	17673162	17673491	17674498	-
Med15	MmuEX0028505	chr16	17655898	17671638	17671766	17673162	-
Med15	MmuEX0028506	chr16	17655898	17663470	17663589	17671638	-
Med16	MmuEX0028507	chr10	79369891	79370236	79370401	79371563	-
Med16	MmuEX0028508	chr10	79362154	79362359	79362418	79362842	-
Med16	MmuEX0028509	chr10	79359309	79359504	79359696	79360310	-
Med16	MmuEX0028510	chr10	79358155	79358372	79358455	79359093	-
Med16	MmuEX0028511	chr10	79365273	79365742	79366173	79369510	-
Med16	MmuEX0028512	chr10	79362997	79365168	79365273	79365742	-
Med16	MmuEX0028513	chr10	79362154	79362842	79362997	79365168	-
Med17	MmuEX0028514	chr9	15066882	15068048	15068207	15069796	-
Med17	MmuEX0028515	chr9	15069913	15071858	15071995	15074787	-
Med17	MmuEX0028516	chr9	15080509	15082001	15082167	15083994	-
Med18	MmuEX0028517	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Med19	MmuEX0028518	chr2	84518818	84520214	84520488	84525348	+
Med20	MmuEX0028519	chr17	47748641	47749912	47750066	47755758	+
Med20	MmuEX0028520	chr17	47750066	47755758	47756011	47759834	+
Med21	MmuEX0028521	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Med21	MmuEX0028522	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Med22	MmuEX0028523	chr2	26763963	26764513	26764593	26765813	-
Med23	MmuEX0028524	chr10	24617165	24617875	24617973	24618216	+
Med23	MmuEX0028525	chr10	24590557	24593279	24593403	24594376	+
Med23	MmuEX0028526	chr10	24593403	24594376	24594487	24595402	+
Med23	MmuEX0028527	chr10	24618379	24620502	24620626	24621809	+
Med23	MmuEX0028528	chr10	24599591	24602360	24602455	24608206	+
Med23	MmuEX0028529	chr10	24602455	24603010	24603027	24608206	+
Med24	MmuEX0028530	chr11	98590011	98590099	98590301	98590686	-
Med24	MmuEX0028531	chr11	98577595	98577728	98577839	98579224	-
Med24	MmuEX0028532	chr11	98576442	98576956	98577069	98577445	-
Med24	MmuEX0028533	chr11	98575433	98575716	98575798	98576395	-
Med24	MmuEX0028534	chr11	98571767	98572087	98572169	98572577	-
Med24	MmuEX0028535	chr11	98566581	98566836	98566916	98567693	-
Med24	MmuEX0028536	chr11	98568230	98568432	98568613	98568851	-
Med24	MmuEX0028537	chr11	98577839	98579023	98579079	98579224	-
Med25	MmuEX0028538	chr7	52147277	52147469	52147514	52147601	-
Med25	MmuEX0028539	chr7	52139617	52139933	52140126	52140203	-
Med25	MmuEX0028540	chr7	52135840	52135937	52136008	52136293	-
Med25	MmuEX0028541	chr7	52141640	52147153	52147277	52147435	-
Med25	MmuEX0028542	chr7	52141640	52144657	52144887	52147153	-
Med26	MmuEX0028543	chr8	75021496	75069975	75070113	75071794	-
Med27	MmuEX0028544	chr2	29205510	29268908	29269038	29326813	+
Med27	MmuEX0028546	chr2	29205510	29245333	29245393	29268908	+
Med28	MmuEX0028547	chr5	45911723	45913675	45913741	45914661	+

Med28	MmuEX0028548	chr5	45913741	45914661	45914773	45916392	+
Med6	MmuEX0028549	chr12	82692400	82694868	82694934	82695927	-
Med6	MmuEX0028550	chr12	82675539	82680557	82680672	82682788	-
Med6	MmuEX0028551	chr12	82674947	82675512	82675539	82680557	-
Med7	MmuEX0028552	chr11	46250693	46253308	46253477	46254065	+
Med8	MmuEX0028553	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Med8	MmuEX0028554	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Mef2a	MmuEX0028555	chr7	74461868	74494755	74494807	74517599	-
Mef2a	MmuEX0028556	chr7	74461868	74475791	74475858	74494735	-
Mef2a	MmuEX0028557	chr7	74380114	74381410	74381536	74385200	-
Mef2a	MmuEX0028558	chr7	74461868	74493304	74493323	74494735	-
Mef2a	MmuEX0028559	chr7	74385326	74389407	74389430	74396543	-
Mef2a	MmuEX0028560	chr7	74411048	74413155	74413286	74440261	-
Mef2a	MmuEX0028561	chr7	74411048	74412953	74413090	74440261	-
Mef2c	MmuEX0028562	chr13	83659479	83714696	83714888	83732039	+
Mef2c	MmuEX0028563	chr13	83732242	83764760	83764819	83764965	+
Mef2c	MmuEX0028564	chr13	83792591	83794203	83794226	83795112	+
Mef2d	MmuEX0028565	chr3	87971656	87971960	87972266	87972554	+
Mef2d	MmuEX0028566	chr3	87960447	87961956	87962093	87963044	+
Mef2d	MmuEX0028567	chr3	87960447	87962143	87962277	87963044	+
Mef2d	MmuEX0028568	chr3	87960447	87963044	87963254	87965113	+
Mef2d	MmuEX0028569	chr3	87960447	87963458	87963514	87965113	+
Mef2d	MmuEX0028570	chr3	87965303	87965703	87965723	87966880	+
Meg3	MmuEX0028572	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Meg3	MmuEX0028573	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Meg3	MmuEX0028574	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Meg3	MmuEX0028575	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Meg3	MmuEX0028576	chr12	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Megf8	MmuEX0028602	chr7	26102712	26111399	26111562	26112489	+
Megf8	MmuEX0028603	chr7	26118931	26119148	26119267	26119585	+
Megf8	MmuEX0028604	chr7	26122993	26123378	26123578	26124484	+
Megf8	MmuEX0028605	chr7	26131366	26131445	26131555	26131695	+
Megf8	MmuEX0028606	chr7	26113859	26114880	26115295	26115705	+
Megf8	MmuEX0028607	chr7	26115295	26115705	26115850	26116033	+
Megf8	MmuEX0028608	chr7	26119729	26119811	26119974	26122793	+
Megf9	MmuEX0028609	chr4	70117034	70149165	70149366	70195262	-
Megf9	MmuEX0028610	chr4	70094565	70096251	70096520	70109697	-
Meig1	MmuEX0028620	chr2	3326595	3329117	3329283	3336243	-
Meis1	MmuEX0028621	chr11	18784085	18784390	18784479	18785596	-
Meis1	MmuEX0028622	chr11	18911391	18912813	18912863	18913635	-
Meis1	MmuEX0028623	chr11	18781925	18783991	18784085	18784390	-
Meis1	MmuEX0028624	chr11	18913685	18914253	18914394	18916136	-
Meis1	MmuEX0028625	chr11	18888382	18911245	18911391	18912813	-
Meis1	MmuEX0028626	chr11	18841807	18888271	18888382	18911245	-
Meis1	MmuEX0028627	chr11	18805768	18841662	18841807	18888271	-
Meis2	MmuEX0028628	chr2	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Meis2	MmuEX0028629	chr2	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-

Meis2	MmuEX0028630	chr2	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Meis2	MmuEX0028631	chr2	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Meis3	MmuEX0028632	chr7	16760916	16762741	16762922	16763058	+
Meis3	MmuEX0028634	chr7	16762922	16763058	16763217	16764094	+
Meis3	MmuEX0028635	chr7	16763217	16763310	16763360	16764094	+
Meis3	MmuEX0028636	chr7	16763360	16764094	16764144	16767390	+
Meis3	MmuEX0028637	chr7	16764144	16764351	16764449	16767390	+
Meis3	MmuEX0028638	chr7	16769216	16769387	16769445	16770797	+
Meis3	MmuEX0028639	chr7	16769445	16769984	16770067	16770797	+
Memo1	MmuEX0028649	chr17	74657845	74675315	74675589	74694032	-
Memo1	MmuEX0028650	chr17	74624914	74625913	74625991	74641245	-
Memo1	MmuEX0028651	chr17	74624914	74644315	74644427	74654568	-
Memo1	MmuEX0028652	chr17	74624914	74641245	74641356	74644315	-
Memo1	MmuEX0028653	chr17	74616443	74624772	74624914	74641245	-
Memo1	MmuEX0028654	chr17	74601705	74616367	74616443	74624772	-
Men1	MmuEX0028655	chr19	6335920	6337601	6337688	6340358	+
Men1	MmuEX0028656	chr19	6338961	6339339	6339503	6339687	+
Meox2	MmuEX0028657	chr12	37835931	37893903	37894075	37904740	+
Mepce	MmuEX0028664	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mertk	MmuEX0028665	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mertk	MmuEX0028666	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mertk	MmuEX0028667	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mertk	MmuEX0028668	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mertk	MmuEX0028669	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mertk	MmuEX0028670	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mest	MmuEX0028671	chr6	30695906	30696262	30696325	30697052	+
Mest	MmuEX0028672	chr6	30688335	30690240	30690343	30690670	+
Metap1	MmuEX0028676	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028677	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028678	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028679	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028680	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028681	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028682	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028683	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028684	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1	MmuEX0028685	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Metap1d	MmuEX0028686	chr2	71291455	71337333	71337453	71338836	+
Metap1d	MmuEX0028687	chr2	71353857	71360239	71360278	71360590	+
Metap1d	MmuEX0028688	chr2	71360687	71361522	71361674	71361859	+
Metap1d	MmuEX0028689	chr2	71360687	71361859	71361906	71362774	+
Metap1d	MmuEX0028690	chr2	71291455	71333208	71333373	71344842	+
Metap1d	MmuEX0028691	chr2	71291455	71338836	71338926	71344842	+
Metap1d	MmuEX0028692	chr2	71291455	71344842	71344999	71347798	+
Metap1d	MmuEX0028693	chr2	71350225	71352681	71353599	71353694	+
Metap1d	MmuEX0028694	chr2	71350225	71353694	71353857	71360568	+
Metap1d	MmuEX0028695	chr2	71353857	71360590	71360687	71361859	+

Metap2	MmuEX0028696	chr10	93334394	93342285	93342387	93342818	-
Metap2	MmuEX0028697	chr10	93334394	93340388	93340409	93342285	-
Metrnl	MmuEX0028698	chr11	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Mett10d	MmuEX0028699	chr11	74605820	74606947	74607056	74609254	+
Mett10d	MmuEX0028700	chr11	74609626	74616395	74616514	74617333	+
Mett10d	MmuEX0028701	chr11	74609626	74613828	74613957	74617333	+
Mett10d	MmuEX0028702	chr11	74618844	74622031	74622159	74630372	+
Mett10d	MmuEX0028703	chr11	74587151	74597560	74597759	74601057	+
Mett10d	MmuEX0028704	chr11	74617402	74618755	74618844	74630372	+
Mett10d	MmuEX0028705	chr11	74584767	74587024	74587151	74597560	+
Mett10d	MmuEX0028706	chr11	74587151	74595537	74595646	74597560	+
Mett10d	MmuEX0028707	chr11	74597759	74601057	74601197	74605705	+
Mett10d	MmuEX0028708	chr11	74605820	74609254	74609319	74609484	+
Mett11d1	MmuEX0028709	chr14	52510403	52510784	52510876	52511042	+
Mett11d1	MmuEX0028710	chr14	52510876	52511042	52511226	52511302	+
Mett11d1	MmuEX0028711	chr14	52505197	52506147	52506213	52506573	+
Mett11d1	MmuEX0028712	chr14	52505197	52506573	52506654	52506898	+
Mett11d1	MmuEX0028713	chr14	52506979	52507648	52507721	52508417	+
Mett11d1	MmuEX0028714	chr14	52508511	52508822	52508892	52509203	+
Mett5d1	MmuEX0028715	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028716	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028717	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028718	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028719	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028720	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028721	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mett5d1	MmuEX0028722	chr2	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mettl1	MmuEX0028723	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Mettl1	MmuEX0028724	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Mettl1	MmuEX0028725	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Mettl10	MmuEX0028726	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mettl10	MmuEX0028727	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mettl10	MmuEX0028728	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mettl10	MmuEX0028729	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mettl11a	MmuEX0028730	chr2	30663603	30663843	30663885	30675149	+
Mettl11a	MmuEX0028731	chr2	30663603	30669167	30669275	30675149	+
Mettl11a	MmuEX0028732	chr2	30663603	30670879	30671018	30675149	+
Mettl13	MmuEX0028734	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Mettl13	MmuEX0028735	chr1	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Mettl14	MmuEX0028736	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Mettl14	MmuEX0028737	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Mettl14	MmuEX0028738	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Mettl14	MmuEX0028739	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Mettl2	MmuEX0028740	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mettl2	MmuEX0028741	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mettl2	MmuEX0028742	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mettl2	MmuEX0028743	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+

Mettl3	MmuEX0028744	chr14	52914768	52915749	52915861	52916191	-
Mettl3	MmuEX0028745	chr14	52916632	52917146	52917333	52917544	-
Mettl3	MmuEX0028746	chr14	52916447	52916594	52916632	52917146	-
Mettl3	MmuEX0028747	chr14	52917760	52918315	52918490	52919376	-
Mettl3	MmuEX0028748	chr14	52919780	52919859	52920076	52924558	-
Mettl4	MmuEX0028749	chr17	95138863	95139726	95140095	95143272	-
Mettl4	MmuEX0028750	chr17	95132993	95134676	95134850	95138794	-
Mettl4	MmuEX0028751	chr17	95140095	95143272	95143334	95146957	-
Mettl5	MmuEX0028754	chr2	69717241	69718824	69719005	69719354	-
Mettl5	MmuEX0028755	chr2	69709838	69711941	69711992	69717159	-
Mettl5	MmuEX0028756	chr2	69711018	69711327	69711403	69711941	-
Mettl5	MmuEX0028757	chr2	69709838	69710878	69711018	69711327	-
Mettl5	MmuEX0028758	chr2	69711992	69717159	69717241	69718824	-
Mettl6	MmuEX0028759	chr14	32307153	32307834	32307944	32308088	-
Mettl6	MmuEX0028760	chr14	32292996	32295977	32296118	32300757	-
Mettl6	MmuEX0028761	chr14	32300927	32306783	32307150	32308088	-
Mettl6	MmuEX0028762	chr14	32300927	32305508	32305642	32306423	-
Mettl8	MmuEX0028763	chr2	70803736	70804505	70804570	70805107	-
Mettl8	MmuEX0028764	chr2	70820252	70831541	70831632	70856277	-
Mettl8	MmuEX0028765	chr2	70805213	70809176	70809260	70811310	-
Mettl8	MmuEX0028767	chr2	70831632	70856277	70856431	70893428	-
Mettl8	MmuEX0028768	chr2	70814194	70818434	70818483	70819912	-
Mettl8	MmuEX0028769	chr2	70811449	70814131	70814194	70818434	-
Mettl9	MmuEX0028770	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Mettl9	MmuEX0028771	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Mettl9	MmuEX0028772	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Mfap3	MmuEX0028774	chr11	57332214	57341361	57341791	57342971	+
Mfap5	MmuEX0028776	chr6	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Mfap5	MmuEX0028777	chr6	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Mfap5	MmuEX0028778	chr6	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Mfap5	MmuEX0028779	chr6	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Mff	MmuEX0028780	chr1	82721659	82723803	82723911	82725791	+
Mff	MmuEX0028781	chr1	82738551	82739416	82739500	82742099	+
Mff	MmuEX0028782	chr1	82743717	82747095	82747179	82748160	+
Mff	MmuEX0028783	chr1	82723911	82724642	82724813	82725791	+
Mff	MmuEX0028784	chr1	82732082	82733588	82733662	82738393	+
Mff	MmuEX0028785	chr1	82732082	82738393	82738551	82747095	+
Mff	MmuEX0028786	chr1	82732082	82742099	82742131	82743658	+
Mff	MmuEX0028787	chr1	82732082	82743658	82743717	82747095	+
Mfge8	MmuEX0028788	chr7	86287936	86288164	86288274	86290133	-
Mfhas1	MmuEX0028789	chr8	36654412	36727722	36727848	36739784	+
Mfhas1	MmuEX0028790	chr8	36727848	36734776	36734885	36739784	+
Mfn1	MmuEX0028792	chr3	32445617	32453077	32453230	32454396	+
Mfn1	MmuEX0028793	chr3	32454463	32460387	32460508	32461934	+
Mfn1	MmuEX0028794	chr3	32460508	32461934	32462060	32462297	+
Mfn1	MmuEX0028795	chr3	32468606	32473156	32473290	32475985	+
Mfn1	MmuEX0028796	chr3	32443097	32445510	32445617	32453077	+

Mfn1	MmuEX0028797	chr3	32462060	32462297	32462401	32462715	+
Mfn1	MmuEX0028798	chr3	32467331	32468410	32468606	32473156	+
Mfn2	MmuEX0028799	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Mfn2	MmuEX0028800	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Mfn2	MmuEX0028801	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Mfng	MmuEX0028802	chr15	78587812	78589623	78589788	78591236	-
Mfng	MmuEX0028803	chr15	78597620	78598882	78599048	78601125	-
Mfng	MmuEX0028804	chr15	78594898	78597248	78597350	78597572	-
Mfng	MmuEX0028805	chr15	78587074	78587727	78587812	78589623	-
Mfsd1	MmuEX0028806	chr3	67391265	67391840	67391907	67393753	+
Mfsd10	MmuEX0028807	chr5	34976869	34976942	34976989	34977072	-
Mfsd10	MmuEX0028808	chr5	34978416	34978670	34978773	34979059	-
Mfsd10	MmuEX0028809	chr5	34977808	34978019	34978180	34978258	-
Mfsd10	MmuEX0028810	chr5	34977162	34977240	34977293	34977500	-
Mfsd11	MmuEX0028811	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Mfsd11	MmuEX0028812	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Mfsd11	MmuEX0028813	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Mfsd11	MmuEX0028814	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Mfsd11	MmuEX0028815	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Mfsd6	MmuEX0028828	chr1	52715389	52715543	52715567	52717651	-
Mfsd6	MmuEX0028829	chr1	52733419	52765008	52766599	52783867	-
Mfsd7a	MmuEX0028830	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mfsd7a	MmuEX0028831	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mfsd7a	MmuEX0028833	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Mfsd7b	MmuEX0028834	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Mfsd7b	MmuEX0028835	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Mfsd7b	MmuEX0028836	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Mfsd7b	MmuEX0028837	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Mfsd8	MmuEX0028841	chr3	40637979	40639091	40639331	40641011	-
Mfsd8	MmuEX0028842	chr3	40626032	40626117	40626220	40627749	-
Mfsd8	MmuEX0028843	chr3	40630904	40634546	40634601	40635935	-
Mga	MmuEX0028848	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028849	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028850	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028851	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028852	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028853	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028854	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028855	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028856	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mga	MmuEX0028857	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mgat1	MmuEX0028886	chr11	49057841	49058695	49059119	49065052	+
Mgat1	MmuEX0028887	chr11	49059119	49065052	49065176	49074073	+
Mgat1	MmuEX0028888	chr11	49065176	49067613	49067717	49074073	+
Mgat4a	MmuEX0028891	chr1	37547238	37552718	37552858	37555418	-
Mgat4a	MmuEX0028892	chr1	37501764	37505941	37506007	37507174	-
Mgat4a	MmuEX0028893	chr1	37509474	37511589	37511719	37513435	-

Mgat4a	MmuEX0028894	chr1	37519812	37523382	37523424	37547105	-
Mgat4a	MmuEX0028895	chr1	37519812	37521266	37521379	37547105	-
Mgat4b	MmuEX0028896	chr11	50044603	50044693	50044826	50045241	+
Mgat4b	MmuEX0028897	chr11	50046577	50046778	50046885	50046966	+
Mgat5	MmuEX0028902	chr1	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Mgea5	MmuEX0028910	chr19	45836760	45838274	45838380	45839940	-
Mgea5	MmuEX0028911	chr19	45853573	45854438	45854580	45855718	-
Mgea5	MmuEX0028912	chr19	45835698	45836675	45836760	45839940	-
Mgea5	MmuEX0028913	chr19	45851507	45853522	45853573	45857422	-
Mgea5	MmuEX0028914	chr19	45851507	45853077	45853174	45853522	-
Mgea5	MmuEX0028915	chr19	45846456	45850538	45850709	45851377	-
Mgl2	MmuEX0028916	chr11	69943944	69947621	69947765	69948554	+
Mgll	MmuEX0028917	chr6	88674565	88675695	88675839	88714590	+
Mgll	MmuEX0028918	chr6	88675839	88714590	88714696	88758005	+
Mgll	MmuEX0028919	chr6	88759440	88763874	88763957	88768568	+
Mgmt	MmuEX0028920	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Mgmt	MmuEX0028921	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Mgmt	MmuEX0028922	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Mgmt	MmuEX0028923	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Mgmt	MmuEX0028924	chr7	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Mgrn1	MmuEX0028925	chr16	4922753	4924423	4924532	4927675	+
Mgrn1	MmuEX0028926	chr16	4926374	4926500	4926551	4927675	+
Mgrn1	MmuEX0028927	chr16	4915819	4916105	4916154	4918866	+
Mgrn1	MmuEX0028928	chr16	4924532	4926309	4926374	4927675	+
Mgrn1	MmuEX0028929	chr16	4932298	4934195	4934239	4936896	+
Mgrn1	MmuEX0028930	chr16	4927901	4930087	4930303	4930691	+
Mgrn1	MmuEX0028931	chr16	4927901	4930691	4930814	4931113	+
Mgst1	MmuEX0028932	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Mgst1	MmuEX0028933	chr6	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Mia3	MmuEX0028938	NT_165754	308506	309273	309377	309802	-
Mia3	MmuEX0028939	NT_165754	332363	335393	335479	338995	-
Mia3	MmuEX0028940	NT_165754	306275	307458	307596	307752	-
Mia3	MmuEX0028941	NT_165754	303339	304145	304282	304440	-
Mia3	MmuEX0028942	NT_165754	301693	303094	303167	303271	-
Mia3	MmuEX0028943	NT_165754	301693	302934	303005	303094	-
Mia3	MmuEX0028944	NT_165754	301001	301552	301693	303094	-
Mia3	MmuEX0028945	NT_165754	317733	324312	324454	327083	-
Mib1	MmuEX0028949	chr18	10775724	10778147	10778298	10792893	+
Mib1	MmuEX0028950	chr18	10795849	10798350	10798531	10800054	+
Mib1	MmuEX0028951	chr18	10752025	10755502	10755685	10760802	+
Mib1	MmuEX0028952	chr18	10741152	10743267	10743396	10747354	+
Mib1	MmuEX0028953	chr18	10747458	10749321	10749387	10751821	+
Mib1	MmuEX0028954	chr18	10778298	10792893	10793025	10794476	+
Mib2	MmuEX0028955	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mib2	MmuEX0028956	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mib2	MmuEX0028957	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mib2	MmuEX0028958	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-

Mib2	MmuEX0028959	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mib2	MmuEX0028960	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mical1	MmuEX0028961	chr10	41202095	41202410	41202554	41203247	+
Mical1	MmuEX0028962	chr10	41198441	41198769	41198873	41199201	+
Mical1	MmuEX0028963	chr10	41198120	41198234	41198441	41198769	+
Mical1	MmuEX0028964	chr10	41199305	41199425	41199580	41200091	+
Mical1	MmuEX0028965	chr10	41201511	41201707	41201833	41202014	+
Mical2	MmuEX0028966	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028967	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028968	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028969	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028970	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028971	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028972	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028973	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028974	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical2	MmuEX0028975	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Mical3	MmuEX0028976	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028977	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028978	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028979	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028982	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028983	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028984	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028985	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028986	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028987	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical3	MmuEX0028988	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Mical11	MmuEX0028989	chr15	78939859	78942570	78942637	78945085	+
Mical11	MmuEX0028990	chr15	78961019	78961139	78961229	78961368	+
Mical11	MmuEX0028991	chr15	78961441	78961953	78962106	78962204	+
Mical11	MmuEX0028992	chr15	78954988	78955680	78956104	78957357	+
Mical11	MmuEX0028993	chr15	78953416	78954931	78954988	78955680	+
Mical11	MmuEX0028994	chr15	78939859	78945085	78945133	78951189	+
Mical11	MmuEX0028995	chr15	78939859	78945460	78945601	78951189	+
Mical11	MmuEX0028996	chr15	78945601	78950166	78950257	78951189	+
Mical12	MmuEX0028997	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mical12	MmuEX0028998	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mical12	MmuEX0028999	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Mical12	MmuEX0029000	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Micu1	MmuEX0029001	chr10	59213295	59229832	59229837	59230886	+
Micu1	MmuEX0029002	chr10	59213295	59219454	59219465	59230886	+
Mid1	MmuEX0029003	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Mid1	MmuEX0029004	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Mid1	MmuEX0029005	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Mid1	MmuEX0029006	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Mid1	MmuEX0029007	chrX	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+

Midn	MmuEX0029008	chr10	79611094	79612427	79613058	79614123	+
Midn	MmuEX0029009	chr10	79613058	79614123	79614210	79614406	+
Midn	MmuEX0029010	chr10	79614468	79616336	79616464	79616561	+
Mier1	MmuEX0029011	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Mier1	MmuEX0029012	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Mier1	MmuEX0029014	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Mier1	MmuEX0029015	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Mier2	MmuEX0029016	chr10	79010469	79011099	79011187	79011531	-
Mier2	MmuEX0029017	chr10	79003944	79004259	79004679	79005123	-
Mier2	MmuEX0029018	chr10	79007359	79007434	79007515	79007790	-
Mier2	MmuEX0029019	chr10	79011187	79011531	79011648	79011929	-
Mier3	MmuEX0029020	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Mier3	MmuEX0029021	chr13	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Mif4gd	MmuEX0029022	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Mif4gd	MmuEX0029023	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Miip	MmuEX0029024	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Miip	MmuEX0029025	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Miip	MmuEX0029026	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Miip	MmuEX0029027	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Miip	MmuEX0029028	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Mill2	MmuEX0029033	chr7	19441552	19441755	19442030	19443490	+
Mina	MmuEX0029034	chr16	59487425	59489171	59489259	59491031	+
Mina	MmuEX0029035	chr16	59489259	59491031	59491120	59491567	+
Mina	MmuEX0029036	chr16	59475795	59478996	59479115	59480117	+
Mina	MmuEX0029037	chr16	59482934	59486359	59486461	59487254	+
Mina	MmuEX0029038	chr16	59471771	59475336	59475795	59478996	+
Mina	MmuEX0029039	chr16	59480245	59482831	59482934	59486359	+
Mink1	MmuEX0029040	chr11	70410735	70412344	70412400	70412482	+
Mink1	MmuEX0029041	chr11	70415559	70416185	70416315	70416767	+
Mink1	MmuEX0029042	chr11	70419666	70420133	70420219	70420422	+
Mink1	MmuEX0029043	chr11	70421928	70422091	70422201	70422342	+
Mink1	MmuEX0029044	chr11	70422756	70422910	70422933	70423056	+
Mios	MmuEX0029045	chr6	8159411	8161580	8161638	8164766	+
Mios	MmuEX0029046	chr6	8166470	8172461	8172715	8174555	+
Mios	MmuEX0029047	chr6	8181313	8183050	8183254	8184232	+
Mipep	MmuEX0029050	chr14	61429996	61433790	61433842	61446136	+
Mipep	MmuEX0029051	chr14	61433842	61446136	61446289	61448224	+
Mipep	MmuEX0029052	chr14	61450154	61450286	61450378	61452822	+
Mipep	MmuEX0029053	chr14	61407079	61409724	61409810	61415009	+
Mipep	MmuEX0029054	chr14	61415072	61416985	61417153	61420958	+
Mipep	MmuEX0029055	chr14	61450154	61452822	61452931	61462045	+
Mipep	MmuEX0029056	chr14	61452931	61462045	61462119	61490855	+
Mipep	MmuEX0029057	chr14	61462119	61465221	61465340	61490855	+
Mipep	MmuEX0029058	chr14	61465340	61490855	61490976	61522205	+
Mipol1	MmuEX0029059	chr12	58408451	58426511	58426640	58432983	+
Mipol1	MmuEX0029060	chr12	58433016	58433276	58433446	58465114	+
Mipol1	MmuEX0029061	chr12	58515397	58557940	58558170	58597445	+

Mipol1	MmuEX0029062	chr12	58331598	58404332	58404538	58406998	+
Mipol1	MmuEX0029063	chr12	58407124	58407460	58407573	58408346	+
Mitd1	MmuEX0029064	chr1	37936465	37937778	37937893	37938544	-
Mitd1	MmuEX0029065	chr1	37936465	37936842	37936933	37937778	-
Mitd1	MmuEX0029066	chr1	37936208	37936405	37936465	37937778	-
Mitd1	MmuEX0029067	chr1	37937893	37938544	37938630	37939407	-
Mitf	MmuEX0029068	chr6	97757281	97891047	97891296	97943121	+
Mitf	MmuEX0029069	chr6	97953998	97956117	97956191	97960389	+
Mitf	MmuEX0029070	chr6	97757281	97777453	97777520	97891047	+
Mitf	MmuEX0029071	chr6	97891296	97943121	97943180	97953881	+
Mitf	MmuEX0029072	chr6	97943348	97944375	97944423	97953881	+
Mitf	MmuEX0029073	chr6	97944458	97946368	97946463	97953881	+
Mki67ip	MmuEX0029076	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mkks	MmuEX0029077	chr2	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Mkks	MmuEX0029078	chr2	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Mkl1	MmuEX0029079	chr15	80857147	80875719	80875784	80947821	-
Mkl1	MmuEX0029080	chr15	80850744	80851183	80851358	80852827	-
Mkl1	MmuEX0029081	chr15	80875784	80947821	80948082	81020937	-
Mkl2	MmuEX0029082	chr16	13256647	13265172	13265232	13326475	+
Mkl2	MmuEX0029083	chr16	13326664	13332107	13332169	13378357	+
Mkl2	MmuEX0029084	chr16	13384471	13385699	13385877	13394916	+
Mkl2	MmuEX0029085	chr16	13384471	13386138	13386236	13404687	+
Mkl2	MmuEX0029086	chr16	13385877	13394916	13395053	13404687	+
Mkl2	MmuEX0029087	chr16	13395053	13398317	13398579	13404687	+
Mkl2	MmuEX0029088	chr16	13398579	13400173	13400272	13404687	+
Mkl2	MmuEX0029089	chr16	13400272	13400746	13401777	13404687	+
Mkl2	MmuEX0029090	chr16	13401777	13403248	13403403	13405342	+
Mkln1	MmuEX0029091	chr6	31348954	31363792	31363905	31368931	+
Mkln1	MmuEX0029092	chr6	31348954	31368931	31369000	31376714	+
Mkln1	MmuEX0029093	chr6	31383131	31399496	31399573	31401519	+
Mkln1	MmuEX0029094	chr6	31399573	31399824	31399906	31401519	+
Mkln1	MmuEX0029095	chr6	31409067	31418131	31418343	31424299	+
Mkln1	MmuEX0029096	chr6	31401584	31408955	31409067	31418131	+
Mknk1	MmuEX0029097	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029098	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029099	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029100	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029101	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029102	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029103	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029104	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029105	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029106	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk1	MmuEX0029107	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mknk2	MmuEX0029108	chr10	80130077	80130358	80130401	80130711	-
Mknk2	MmuEX0029109	chr10	80131955	80132043	80132147	80132375	-
Mknk2	MmuEX0029110	chr10	80134582	80134673	80134760	80138569	-

Mkrn1	MmuEX0029111	chr6	39351423	39354647	39354873	39355730	-
Mkrn1	MmuEX0029112	chr6	39350504	39351209	39351423	39355730	-
Mkrn2	MmuEX0029113	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mkrn2	MmuEX0029114	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mkrn2	MmuEX0029115	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mks1	MmuEX0029116	chr11	87667348	87668480	87668550	87668974	+
Mks1	MmuEX0029117	chr11	87674681	87674771	87674878	87675487	+
Mks1	MmuEX0029118	chr11	87672161	87673117	87673159	87673579	+
MIlf1	MmuEX0029123	chr3	67188620	67194900	67194944	67196762	+
MIh1	MmuEX0029133	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029134	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029135	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029136	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029137	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029138	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029139	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029140	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh1	MmuEX0029141	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
MIh3	MmuEX0029142	chr12	86591323	86600143	86600215	86601750	-
MIh3	MmuEX0029143	chr12	86602702	86603717	86603812	86607102	-
MIh3	MmuEX0029144	chr12	86581933	86586713	86586872	86588562	-
MIh3	MmuEX0029145	chr12	86578616	86581910	86581933	86586713	-
MIh3	MmuEX0029146	chr12	86578616	86581748	86581826	86581910	-
MIkl	MmuEX0029147	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
MIkl	MmuEX0029148	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
MIkl	MmuEX0029149	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
MIkl	MmuEX0029150	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
MIkl	MmuEX0029151	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
MIkl	MmuEX0029152	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
MII1	MmuEX0029153	chr9	44624742	44625789	44625869	44626366	-
MII1	MmuEX0029154	chr9	44617881	44618456	44618571	44618719	-
MII1	MmuEX0029156	chr9	44649777	44650393	44650466	44650616	-
MII2	MmuEX0029160	chr15	98688654	98689941	98690045	98691065	-
MII2	MmuEX0029161	chr15	98685566	98685741	98685806	98685966	-
MII2	MmuEX0029162	chr15	98684537	98684614	98684855	98684962	-
MII2	MmuEX0029163	chr15	98684136	98684221	98684271	98684464	-
MII2	MmuEX0029165	chr15	98677471	98677569	98677653	98677789	-
MII2	MmuEX0029166	chr15	98672534	98673174	98673333	98673490	-
MII2	MmuEX0029167	chr15	98671325	98671841	98671971	98672170	-
MII2	MmuEX0029168	chr15	98665898	98667012	98667059	98667506	-
MII3	MmuEX0029171	chr5	24881273	24881694	24881845	24882931	-
MII3	MmuEX0029172	chr5	24880385	24881160	24881273	24881694	-
MII3	MmuEX0029173	chr5	24915149	24920703	24920841	24949638	-
MII3	MmuEX0029174	chr5	24859226	24860153	24860317	24860457	-
MII3	MmuEX0029175	chr5	24857082	24858045	24858110	24859117	-
MII3	MmuEX0029176	chr5	24855758	24856870	24857082	24858045	-
MII3	MmuEX0029177	chr5	24836718	24844231	24844399	24850726	-

MII3	MmuEX0029178	chr5	24835393	24836194	24836241	24836614	-
MII3	MmuEX0029179	chr5	24835091	24835265	24835393	24836614	-
MII3	MmuEX0029180	chr5	24910206	24911189	24911337	24914952	-
MII3	MmuEX0029181	chr5	24821693	24824810	24824992	24826125	-
MII3	MmuEX0029182	chr5	24821693	24822275	24822311	24824810	-
MII3	MmuEX0029183	chr5	24811805	24814257	24814368	24815418	-
MII3	MmuEX0029184	chr5	24808756	24809915	24809937	24810496	-
MII3	MmuEX0029185	chr5	24893913	24901207	24901369	24910097	-
MII3	MmuEX0029186	chr5	24787218	24787479	24787621	24788922	-
MII3	MmuEX0029187	chr5	24782074	24787050	24787218	24787491	-
MII3	MmuEX0029189	chr5	24830039	24834841	24834960	24835059	-
MII3	MmuEX0029190	chr5	24835393	24836614	24836718	24844231	-
MII3	MmuEX0029191	chr5	24869380	24871895	24872014	24878584	-
MII3	MmuEX0029192	chr5	24799066	24801216	24801428	24804688	-
MII3	MmuEX0029193	chr5	24799066	24800375	24800536	24804688	-
MII5	MmuEX0029194	chr5	23002058	23002222	23002366	23002790	+
MII5	MmuEX0029195	chr5	23003040	23003357	23003413	23003546	+
MII5	MmuEX0029196	chr5	23004112	23004706	23004820	23005100	+
MII5	MmuEX0029197	chr5	22979471	22982304	22982342	22984332	+
MII5	MmuEX0029198	chr5	22984801	22987027	22987144	22988220	+
MII5	MmuEX0029199	chr5	22992218	22997265	22997431	22998086	+
MII5	MmuEX0029200	chr5	22999325	23001804	23002058	23002222	+
MII5	MmuEX0029201	chr5	23006162	23006269	23006394	23006545	+
MII5	MmuEX0029202	chr5	22940601	22952344	22952416	22955970	+
MII5	MmuEX0029203	chr5	22940601	22955970	22956154	22968834	+
MIIIt1	MmuEX0029204	chr17	57059405	57066415	57066595	57074686	-
MIIIt1	MmuEX0029205	chr17	57042111	57045135	57045278	57059323	-
MIIIt1	MmuEX0029206	chr17	57039719	57041986	57042111	57045135	-
MIIIt1	MmuEX0029207	chr17	57045278	57059323	57059405	57066415	-
MIIIt10	MmuEX0029208	chr2	17976998	17986662	17986821	17992752	+
MIIIt10	MmuEX0029210	chr2	17986821	17992752	17992831	18023085	+
MIIIt10	MmuEX0029212	chr2	17992831	18004138	18004352	18031409	+
MIIIt10	MmuEX0029213	chr2	18047856	18068404	18068499	18081083	+
MIIIt10	MmuEX0029214	chr2	18068499	18081083	18081338	18083944	+
MIIIt10	MmuEX0029215	chr2	18081338	18084235	18084513	18091881	+
MIIIt10	MmuEX0029216	chr2	18084513	18091881	18091925	18107845	+
MIIIt10	MmuEX0029217	chr2	18091925	18092670	18092702	18107845	+
MIIIt10	MmuEX0029218	chr2	18092702	18107845	18108023	18118210	+
MIIIt10	MmuEX0029219	chr2	18119624	18125228	18125382	18127628	+
MIIIt10	MmuEX0029220	chr2	17992831	18013795	18013941	18023085	+
MIIIt10	MmuEX0029221	chr2	17992831	18014411	18014461	18023085	+
MIIIt10	MmuEX0029222	chr2	17992831	18023085	18023139	18031409	+
MIIIt10	MmuEX0029223	chr2	17992831	18031409	18031518	18043872	+
MIIIt10	MmuEX0029224	chr2	18031518	18043872	18043975	18068404	+
MIIIt10	MmuEX0029225	chr2	17992831	18045346	18045439	18068404	+
MIIIt10	MmuEX0029226	chr2	18045439	18047761	18047856	18068404	+
MIIIt10	MmuEX0029227	chr2	18047856	18060895	18060963	18068404	+

Mllt3	MmuEX0029229	chr4	87428262	87429553	87429624	87435191	-
Mllt3	MmuEX0029230	chr4	87420050	87427938	87428063	87428191	-
Mllt3	MmuEX0029231	chr4	87420050	87428191	87428262	87429553	-
Mllt3	MmuEX0029232	chr4	87526052	87657537	87657611	87677428	-
Mllt4	MmuEX0029233	chr17	13897785	13940946	13941141	13944287	+
Mllt4	MmuEX0029234	chr17	14022514	14023451	14023588	14024989	+
Mllt4	MmuEX0029235	chr17	14033229	14035952	14036234	14039537	+
Mllt4	MmuEX0029236	chr17	13947577	13955128	13955285	13959273	+
Mllt4	MmuEX0029237	chr17	13947577	13949118	13949194	13955128	+
Mllt4	MmuEX0029238	chr17	13960465	13962950	13962994	13965936	+
Mllt4	MmuEX0029239	chr17	13983646	13985362	13985382	13986115	+
Mllt4	MmuEX0029240	chr17	14025984	14027970	14028005	14033095	+
Mllt6	MmuEX0029241	chr11	97524994	97526269	97526348	97526800	+
Mllt6	MmuEX0029242	chr11	97528482	97530738	97530950	97531567	+
Mllt6	MmuEX0029243	chr11	97536196	97537453	97537519	97537684	+
Mllt6	MmuEX0029244	chr11	97537519	97537684	97537826	97538176	+
Mllt6	MmuEX0029245	chr11	97526854	97527044	97527153	97528104	+
Mllt6	MmuEX0029246	chr11	97538550	97539628	97539977	97540279	+
Mlst8	MmuEX0029248	chr17	24615107	24615265	24615423	24615957	-
Mlst8	MmuEX0029249	chr17	24614970	24615056	24615107	24615957	-
Mlx	MmuEX0029250	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Mlxip	MmuEX0029251	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mlxip	MmuEX0029252	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mlxip	MmuEX0029253	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mlxip	MmuEX0029254	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mlxip	MmuEX0029255	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mlxipl	MmuEX0029256	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029257	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029258	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029259	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029260	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029261	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029262	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlxipl	MmuEX0029263	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Mlycd	MmuEX0029264	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Mmaa	MmuEX0029265	chr8	81798173	81798772	81798875	81802101	-
Mmaa	MmuEX0029266	chr8	81792114	81793032	81793181	81794789	-
Mmaa	MmuEX0029267	chr8	81805553	81809376	81810391	81818445	-
Mmaa	MmuEX0029268	chr8	81805553	81808108	81808314	81818445	-
Mmaa	MmuEX0029269	chr8	81798173	81805080	81805553	81818445	-
Mmaa	MmuEX0029270	chr8	81798173	81802101	81802223	81818445	-
Mmaa	MmuEX0029271	chr8	81794874	81798003	81798173	81802101	-
Mmab	MmuEX0029272	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Mmab	MmuEX0029273	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Mmab	MmuEX0029274	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Mmab	MmuEX0029275	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Mmab	MmuEX0029276	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-

Mmachc	MmuEX0029277	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mmachc	MmuEX0029278	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mmachc	MmuEX0029279	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mmadhc	MmuEX0029280	chr2	50135922	50136093	50136178	50136623	-
Mmd	MmuEX0029281	chr11	90111049	90112085	90112093	90118834	+
Mmgt1	MmuEX0029294	chrX	53842480	53844255	53844358	53848567	-
Mmp11	MmuEX0029297	chr10	75390007	75390092	75390235	75391025	-
Mmp14	MmuEX0029299	chr14	55055097	55055452	55055759	55056438	+
Mmp14	MmuEX0029300	chr14	55050810	55054582	55054730	55054975	+
Mmp15	MmuEX0029301	chr8	97876918	97889214	97889362	97890194	+
Mmp15	MmuEX0029302	chr8	97889362	97890194	97890322	97891828	+
Mmp15	MmuEX0029303	chr8	97894746	97894906	97895021	97896005	+
Mmp23	MmuEX0029307	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mmp23	MmuEX0029308	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Mmrn2	MmuEX0029320	chr14	35188964	35192061	35192209	35209351	+
Mmrn2	MmuEX0029321	chr14	35188964	35209351	35209479	35209558	+
Mmrn2	MmuEX0029322	chr14	35188964	35209558	35209664	35209745	+
Mmrn2	MmuEX0029323	chr14	35188964	35209745	35209825	35210733	+
Mms19	MmuEX0029324	chr19	42029686	42029909	42030063	42030313	-
Mms19	MmuEX0029325	chr19	42039117	42040704	42040804	42044193	-
Mms19	MmuEX0029326	chr19	42024071	42024259	42024327	42024471	-
Mms19	MmuEX0029327	chr19	42020305	42020635	42020693	42021407	-
Mms19	MmuEX0029328	chr19	42019878	42019949	42020113	42020223	-
Mms19	MmuEX0029329	chr19	42019247	42019819	42019878	42019949	-
Mms19	MmuEX0029330	chr19	42032434	42036843	42037058	42037290	-
Mms19	MmuEX0029331	chr19	42031705	42032348	42032434	42037290	-
Mms19	MmuEX0029332	chr19	42029037	42029223	42029348	42029608	-
Mms19	MmuEX0029333	chr19	42037960	42038353	42038427	42038808	-
Mms19	MmuEX0029334	chr19	42040804	42044193	42044241	42055489	-
Mnat1	MmuEX0029350	chr12	74271654	74280192	74280295	74282771	+
Mnat1	MmuEX0029351	chr12	74280295	74282771	74282911	74289127	+
Mnat1	MmuEX0029352	chr12	74282911	74289127	74289252	74320008	+
Mnat1	MmuEX0029353	chr12	74289252	74320008	74320129	74373401	+
Mnat1	MmuEX0029354	chr12	74213241	74224766	74224913	74268987	+
Mnat1	MmuEX0029355	chr12	74224913	74268987	74269139	74280192	+
Mnat1	MmuEX0029356	chr12	74269139	74271581	74271654	74280192	+
Mndal	MmuEX0029357	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	-
Mndal	MmuEX0029358	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	-
Mndal	MmuEX0029359	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	-
Mnt	MmuEX0029362	chr11	74650450	74650933	74650974	74651114	+
Mobkl1a	MmuEX0029363	chr5	89172495	89174082	89174175	89178550	+
Mobkl1b	MmuEX0029364	chr6	83284203	83288275	83288438	83290170	+
Mobkl2a	MmuEX0029365	chr10	80149918	80152597	80152799	80153814	-
Mobkl2a	MmuEX0029366	chr10	80154312	80163979	80164042	80164542	-
Mobkl2c	MmuEX0029368	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mobkl2c	MmuEX0029369	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mobkl3	MmuEX0029370	chr1	55188203	55191210	55191272	55193521	+

Mobkl3	MmuEX0029371	chr1	55188469	55193521	55193583	55201968	+
Mobkl3	MmuEX0029372	chr1	55193583	55201968	55202068	55205163	+
Mobkl3	MmuEX0029373	chr1	55202068	55205163	55205205	55205392	+
Mocos	MmuEX0029378	chr18	24845206	24847439	24847563	24851019	+
Mocos	MmuEX0029379	chr18	24847563	24851019	24851124	24854375	+
Mocos	MmuEX0029380	chr18	24854513	24858354	24858458	24859887	+
Mocos	MmuEX0029381	chr18	24825152	24829066	24829142	24832732	+
Mocos	MmuEX0029383	chr18	24841792	24845128	24845206	24847439	+
Mocos	MmuEX0029384	chr18	24812568	24818491	24818580	24822518	+
Mocs1	MmuEX0029385	chr17	49567889	49572495	49572621	49574420	+
Mocs1	MmuEX0029386	chr17	49589186	49589587	49589697	49591536	+
Mocs1	MmuEX0029387	chr17	49574587	49578747	49578911	49588425	+
Mocs1	MmuEX0029388	chr17	49578911	49588425	49588486	49588760	+
Mocs1	MmuEX0029389	chr17	49591656	49592120	49592167	49593355	+
Mocs2	MmuEX0029390	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mocs2	MmuEX0029391	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mocs2	MmuEX0029392	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mocs2	MmuEX0029393	chr13	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mogs	MmuEX0029395	chr6	83065920	83066013	83066242	83066622	+
Mon1a	MmuEX0029396	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Mon1a	MmuEX0029397	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Mon1a	MmuEX0029398	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Mon1a	MmuEX0029399	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Mon1a	MmuEX0029400	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Mon1b	MmuEX0029401	chr8	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mon1b	MmuEX0029402	chr8	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mon1b	MmuEX0029403	chr8	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mon2	MmuEX0029404	chr10	1.22E+08	1.22E+08	1.22E+08	1.23E+08	-
Mon2	MmuEX0029405	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029406	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029407	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029408	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029409	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029410	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029411	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029412	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Mon2	MmuEX0029413	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Morc2a	MmuEX0029419	chr11	3550149	3550311	3550450	3558675	+
Morc2a	MmuEX0029420	chr11	3569422	3572269	3572377	3575831	+
Morc2a	MmuEX0029421	chr11	3576770	3577406	3577485	3578230	+
Morc2a	MmuEX0029422	chr11	3584895	3585388	3585529	3585661	+
Morc2a	MmuEX0029423	chr11	3585885	3585979	3586072	3588114	+
Morc2a	MmuEX0029424	chr11	3550450	3557187	3557247	3558675	+
Morc2a	MmuEX0029425	chr11	3550450	3558675	3558728	3561832	+
Morc2a	MmuEX0029426	chr11	3561866	3564154	3564301	3568774	+
Morc2a	MmuEX0029427	chr11	3561866	3568774	3568842	3572269	+
Morc2a	MmuEX0029428	chr11	3561866	3569332	3569422	3572269	+

Morc3	MmuEX0029429	chr16	93854143	93855661	93855758	93860738	+
Morc3	MmuEX0029430	chr16	93866783	93870609	93871497	93873482	+
Morc3	MmuEX0029431	chr16	93871497	93871751	93871877	93873482	+
Morc3	MmuEX0029432	chr16	93844571	93845198	93845293	93845385	+
Morc3	MmuEX0029433	chr16	93847675	93849375	93849522	93853334	+
Morc3	MmuEX0029434	chr16	93853462	93854024	93854143	93855661	+
Morc3	MmuEX0029435	chr16	93860842	93862659	93862748	93865205	+
Morc3	MmuEX0029436	chr16	93860842	93862886	93862960	93865205	+
Morn1	MmuEX0029439	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Morn1	MmuEX0029444	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Morn2	MmuEX0029446	chr17	80689677	80691665	80691718	80693810	+
Morn2	MmuEX0029447	chr17	80693916	80694853	80694989	80696594	+
Mospd1	MmuEX0029452	chrX	50701042	50704848	50704970	50708830	-
Mospd1	MmuEX0029453	chrX	50699166	50700990	50701042	50708830	-
Mospd2	MmuEX0029454	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Mospd2	MmuEX0029455	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Mospd2	MmuEX0029456	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Mospd2	MmuEX0029457	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Mospd2	MmuEX0029458	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Mospd3	MmuEX0029459	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mov10	MmuEX0029462	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Mov10l1	MmuEX0029466	chr15	88857066	88877237	88877386	88883808	+
Mov10l1	MmuEX0029467	chr15	88877386	88883808	88883915	88884657	+
Mov10l1	MmuEX0029468	chr15	88884794	88884941	88885060	88885246	+
Mpdu1	MmuEX0029473	chr11	69472200	69472313	69472378	69475971	-
Mpdu1	MmuEX0029474	chr11	69471558	69471688	69471785	69472068	-
Mpdu1	MmuEX0029475	chr11	69471345	69471438	69471523	69472068	-
Mpdu1	MmuEX0029476	chr11	69471032	69471227	69471345	69471438	-
Mpdz	MmuEX0029477	chr4	81064942	81067077	81067146	81088540	-
Mpdz	MmuEX0029478	chr4	81032382	81064776	81064942	81067077	-
Mpdz	MmuEX0029479	chr4	81014661	81015469	81015631	81023868	-
Mpdz	MmuEX0029480	chr4	81006117	81007220	81007405	81008930	-
Mpdz	MmuEX0029481	chr4	80975435	80981580	80981778	80994534	-
Mpdz	MmuEX0029482	chr4	80972861	80975331	80975435	80981580	-
Mpdz	MmuEX0029483	chr4	80952794	80953002	80953093	80954134	-
Mpdz	MmuEX0029484	chr4	80941488	80943191	80943265	80943366	-
Mpdz	MmuEX0029485	chr4	81029876	81031068	81031207	81032170	-
Mpdz	MmuEX0029486	chr4	80936282	80938323	80938516	80938665	-
Mpdz	MmuEX0029487	chr4	80933650	80936135	80936282	80938323	-
Mpdz	MmuEX0029488	chr4	80931410	80932272	80932362	80933564	-
Mpdz	MmuEX0029489	chr4	80929341	80930481	80930603	80931367	-
Mpdz	MmuEX0029490	chr4	80975435	80978881	80978922	80981580	-
Mpdz	MmuEX0029491	chr4	80981778	80994534	80994594	80994906	-
Mpdz	MmuEX0029492	chr4	81002401	81004530	81004646	81005908	-
Mpdz	MmuEX0029493	chr4	81007405	81008930	81009094	81009898	-
Mpdz	MmuEX0029494	chr4	81011919	81014590	81014661	81015469	-
Mpdz	MmuEX0029495	chr4	80956223	80963498	80963608	80966250	-

Mpdz	MmuEX0029496	chr4	80956223	80959404	80959502	80963498	-
Mpg	MmuEX0029497	chr11	32127949	32129247	32129616	32129849	+
Mphosph10	MmuEX0029498	chr7	71523731	71525816	71525926	71527777	-
Mphosph6	MmuEX0029499	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Mphosph8	MmuEX0029500	chr14	57287401	57291242	57291397	57292728	+
Mphosph8	MmuEX0029501	chr14	57291397	57292728	57293576	57295359	+
Mphosph8	MmuEX0029502	chr14	57312415	57314458	57314585	57315496	+
Mphosph8	MmuEX0029503	chr14	57314585	57315496	57315579	57315968	+
Mphosph8	MmuEX0029504	chr14	57295455	57295855	57295989	57297401	+
Mphosph8	MmuEX0029505	chr14	57307952	57309744	57309898	57312261	+
Mphosph9	MmuEX0029509	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029511	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029512	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029513	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029514	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029515	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029516	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mphosph9	MmuEX0029519	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mpi	MmuEX0029520	chr9	57392745	57393002	57393210	57394201	-
Mpi	MmuEX0029521	chr9	57393210	57394201	57394374	57396335	-
Mpi	MmuEX0029522	chr9	57396985	57397102	57397228	57398380	-
Mpi	MmuEX0029523	chr9	57396517	57396844	57396985	57398380	-
Mpp1	MmuEX0029528	chrX	72370788	72371076	72371219	72376064	-
Mpp1	MmuEX0029529	chrX	72356182	72357266	72357340	72357538	-
Mpp1	MmuEX0029530	chrX	72363291	72366774	72366842	72376064	-
Mpp1	MmuEX0029531	chrX	72359005	72363095	72363231	72366774	-
Mpp2	MmuEX0029533	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Mpp5	MmuEX0029543	chr12	79849932	79895232	79895320	79897853	+
Mpp5	MmuEX0029544	chr12	79926915	79927248	79927319	79930640	+
Mpp5	MmuEX0029545	chr12	79927319	79930640	79930807	79931840	+
Mpp5	MmuEX0029546	chr12	79930807	79931840	79932042	79933352	+
Mpp5	MmuEX0029547	chr12	79895320	79897853	79898377	79910739	+
Mpp5	MmuEX0029548	chr12	79898377	79910739	79910947	79918228	+
Mpp6	MmuEX0029549	chr6	50113648	50119902	50120807	50128388	+
Mpp6	MmuEX0029550	chr6	50133870	50144525	50144727	50146513	+
Mpp6	MmuEX0029551	chr6	50095891	50108681	50108833	50112585	+
Mpp6	MmuEX0029552	chr6	50113648	50126876	50126917	50128388	+
Mpp6	MmuEX0029553	chr6	50060463	50093718	50093783	50095773	+
Mpp6	MmuEX0029554	chr6	50060463	50095773	50095891	50108681	+
Mpp7	MmuEX0029555	chr18	7513060	7561724	7561870	7626727	-
Mpp7	MmuEX0029556	chr18	7442872	7443972	7444103	7458930	-
Mpp7	MmuEX0029557	chr18	7440277	7440430	7440504	7441551	-
Mpp7	MmuEX0029558	chr18	7403354	7439567	7439631	7440081	-
Mpp7	MmuEX0029559	chr18	7355124	7356140	7356233	7379987	-
Mpp7	MmuEX0029560	chr18	7461713	7512942	7513060	7561724	-
Mpp7	MmuEX0029561	chr18	7459010	7461636	7461713	7512942	-
Mpp7	MmuEX0029562	chr18	7403354	7430393	7430413	7439567	-

Mpp7	MmuEX0029563	chr18	7380067	7403184	7403354	7439567	-
Mpp7	MmuEX0029564	chr18	7356233	7379987	7380067	7403184	-
Mppe1	MmuEX0029565	chr18	67393363	67397333	67397386	67403618	-
Mppe1	MmuEX0029567	chr18	67387578	67387667	67387775	67388584	-
Mpped2	MmuEX0029570	chr2	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Mpped2	MmuEX0029571	chr2	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Mpped2	MmuEX0029572	chr2	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Mpped2	MmuEX0029573	chr2	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Mprip	MmuEX0029574	chr11	59551084	59553679	59553816	59554011	+
Mprip	MmuEX0029575	chr11	59553816	59554011	59554168	59554622	+
Mprip	MmuEX0029576	chr11	59557329	59557933	59558172	59558254	+
Mprip	MmuEX0029577	chr11	59557329	59558254	59558322	59562049	+
Mprip	MmuEX0029578	chr11	59562138	59563021	59563130	59565992	+
Mprip	MmuEX0029579	chr11	59578029	59578910	59579027	59580230	+
Mprip	MmuEX0029580	chr11	59585204	59585654	59585719	59589018	+
Mprip	MmuEX0029581	chr11	59541477	59542714	59542821	59545010	+
Mprip	MmuEX0029582	chr11	59554763	59555493	59555600	59557273	+
Mprip	MmuEX0029583	chr11	59580389	59581457	59581576	59582715	+
Mprip	MmuEX0029584	chr11	59557329	59557823	59557865	59558254	+
Mprip	MmuEX0029585	chr11	59566562	59568495	59568611	59577882	+
Mprip	MmuEX0029586	chr11	59568611	59571026	59574829	59577882	+
Mpst	MmuEX0029587	chr15	78237460	78238762	78238886	78240473	+
Mpv17	MmuEX0029588	chr5	31444223	31447073	31447125	31447619	-
Mpv17	MmuEX0029589	chr5	31448149	31448346	31448461	31456041	-
Mpv17	MmuEX0029590	chr5	31447651	31447868	31447963	31448057	-
Mpv17	MmuEX0029591	chr5	31447125	31447619	31447651	31447868	-
Mpv17l2	MmuEX0029595	chr8	73282923	73283008	73283136	73283290	-
Mpv17l2	MmuEX0029596	chr8	73283407	73283992	73284152	73284267	-
Mpv17l2	MmuEX0029597	chr8	73283136	73283290	73283366	73284267	-
Mpzl1	MmuEX0029599	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Mpzl1	MmuEX0029600	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Mpzl1	MmuEX0029601	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Mpzl1	MmuEX0029602	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Mr1	MmuEX0029604	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Mrap	MmuEX0029605	chr16	90738914	90746887	90746971	90747620	+
Mras	MmuEX0029608	chr9	99293464	99294888	99295041	99311812	-
Mras	MmuEX0029609	chr9	99295041	99311812	99312021	99336729	-
Mrc1	MmuEX0029610	chr2	14178744	14182816	14182962	14187977	+
Mrc1	MmuEX0029611	chr2	14182962	14187977	14188162	14191766	+
Mrc1	MmuEX0029612	chr2	14240960	14243400	14243565	14246855	+
Mrc1	MmuEX0029613	chr2	14193001	14197914	14198029	14210614	+
Mrc1	MmuEX0029614	chr2	14210813	14214146	14214273	14225738	+
Mrc1	MmuEX0029615	chr2	14214273	14215073	14215160	14225738	+
Mrc1	MmuEX0029616	chr2	14215160	14216427	14216571	14225738	+
Mrc2	MmuEX0029617	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrc2	MmuEX0029618	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrc2	MmuEX0029619	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+

Mrc2	MmuEX0029620	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrc2	MmuEX0029621	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrc2	MmuEX0029622	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrc2	MmuEX0029623	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mre11a	MmuEX0029624	chr9	14607393	14608209	14608297	14609800	+
Mre11a	MmuEX0029625	chr9	14607393	14609800	14609971	14614248	+
Mre11a	MmuEX0029626	chr9	14589251	14589625	14589739	14589875	+
Mre11a	MmuEX0029627	chr9	14616400	14617473	14617516	14619612	+
Mre11a	MmuEX0029628	chr9	14616400	14619612	14619715	14621240	+
Mre11a	MmuEX0029629	chr9	14591454	14592458	14592609	14595017	+
Mre11a	MmuEX0029630	chr9	14589476	14589875	14589972	14591322	+
Mre11a	MmuEX0029631	chr9	14591454	14595017	14595177	14600215	+
Mre11a	MmuEX0029632	chr9	14604114	14607208	14607393	14609800	+
Mre11a	MmuEX0029633	chr9	14609971	14614248	14614328	14616274	+
Mre11a	MmuEX0029634	chr9	14623922	14629585	14629801	14630979	+
Mre11a	MmuEX0029635	chr9	14623922	14630979	14631059	14633801	+
Mreg	MmuEX0029636	chr1	72210736	72234837	72234979	72238617	-
Mreg	MmuEX0029637	chr1	72210736	72238617	72238776	72258591	-
Mri1	MmuEX0029639	chr8	86775610	86777762	86777986	86778075	-
Mri1	MmuEX0029640	chr8	86778251	86780207	86780318	86780789	-
Mrm1	MmuEX0029641	chr11	84628542	84632102	84632195	84632339	-
Mrm1	MmuEX0029642	chr11	84628013	84628191	84628310	84628410	-
Mrpl1	MmuEX0029647	chr5	96639212	96642806	96642929	96652790	+
Mrpl1	MmuEX0029648	chr5	96667964	96668721	96668748	96691081	+
Mrpl1	MmuEX0029649	chr5	96642929	96643364	96643479	96652790	+
Mrpl1	MmuEX0029650	chr5	96642929	96652790	96653007	96667858	+
Mrpl1	MmuEX0029651	chr5	96653051	96655304	96655387	96656699	+
Mrpl1	MmuEX0029652	chr5	96642929	96656699	96656770	96667858	+
Mrpl1	MmuEX0029653	chr5	96642929	96660700	96660811	96667858	+
Mrpl10	MmuEX0029654	chr11	96902966	96905434	96905485	96905842	+
Mrpl10	MmuEX0029655	chr11	96902966	96905842	96906011	96908344	+
Mrpl13	MmuEX0029656	chr15	55379790	55386875	55386998	55388813	-
Mrpl13	MmuEX0029657	chr15	55365892	55370585	55370706	55371678	-
Mrpl13	MmuEX0029658	chr15	55374939	55379697	55379790	55386875	-
Mrpl14	MmuEX0029659	chr17	45832521	45833668	45833905	45834997	+
Mrpl15	MmuEX0029660	chr1	4767729	4772649	4772814	4774032	-
Mrpl15	MmuEX0029661	chr1	4767729	4768829	4768879	4772649	-
Mrpl15	MmuEX0029662	chr1	4766882	4767606	4767729	4768829	-
Mrpl15	MmuEX0029663	chr1	4764597	4766491	4766882	4767606	-
Mrpl15	MmuEX0029664	chr1	4772814	4774032	4774186	4775654	-
Mrpl2	MmuEX0029665	chr17	46785536	46785608	46785718	46785984	+
Mrpl24	MmuEX0029667	chr3	87726413	87726570	87726715	87726857	+
Mrpl24	MmuEX0029668	chr3	87726413	87726857	87726987	87727132	+
Mrpl24	MmuEX0029669	chr3	87723627	87723725	87723750	87725739	+
Mrpl27	MmuEX0029670	chr11	94515474	94517801	94517932	94518297	+
Mrpl27	MmuEX0029671	chr11	94515474	94518297	94518364	94520923	+
Mrpl28	MmuEX0029672	chr17	26261653	26262202	26262336	26262423	+

Mrpl3	MmuEX0029673	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrpl3	MmuEX0029674	chr9	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Mrpl30	MmuEX0029675	chr1	37947429	37949788	37949868	37950784	+
Mrpl33	MmuEX0029676	chr5	31932093	31952676	31952857	31956841	+
Mrpl33	MmuEX0029678	chr5	31916529	31916976	31916994	31918754	+
Mrpl33	MmuEX0029679	chr5	31916994	31918094	31918271	31918754	+
Mrpl33	MmuEX0029680	chr5	31916994	31918754	31918860	31924750	+
Mrpl35	MmuEX0029681	chr6	71766281	71767234	71767290	71767599	-
Mrpl38	MmuEX0029682	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mrpl38	MmuEX0029683	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mrpl38	MmuEX0029684	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Mrpl39	MmuEX0029685	chr16	84720562	84722343	84722391	84724083	-
Mrpl39	MmuEX0029686	chr16	84718629	84719602	84720165	84720515	-
Mrpl4	MmuEX0029687	chr9	20810629	20811271	20811388	20811878	+
Mrpl4	MmuEX0029688	chr9	20811388	20811878	20811984	20812075	+
Mrpl4	MmuEX0029689	chr9	20811984	20812075	20812184	20812267	+
Mrpl4	MmuEX0029690	chr9	20687830	20807698	20807848	20812938	+
Mrpl4	MmuEX0029691	chr9	20687830	20810578	20810629	20812938	+
Mrpl4	MmuEX0029692	chr9	20687830	20812267	20812343	20812938	+
Mrpl40	MmuEX0029693	chr16	18873788	18875417	18875500	18876564	-
Mrpl42	MmuEX0029694	chr10	94956345	94957810	94957900	94959458	-
Mrpl42	MmuEX0029695	chr10	94953215	94953421	94953496	94956265	-
Mrpl42	MmuEX0029696	chr10	94953046	94953169	94953215	94956265	-
Mrpl42	MmuEX0029697	chr10	94943611	94952880	94953046	94956265	-
Mrpl44	MmuEX0029698	chr1	79772886	79774433	79774901	79776063	+
Mrpl48	MmuEX0029699	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Mrpl48	MmuEX0029700	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Mrpl48	MmuEX0029701	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Mrpl48	MmuEX0029702	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Mrpl49	MmuEX0029703	chr19	6055200	6056929	6057079	6057659	-
Mrpl52	MmuEX0029704	chr14	55045797	55045871	55045928	55046008	+
Mrpl52	MmuEX0029705	chr14	55045928	55046008	55046075	55047421	+
Mrpl52	MmuEX0029706	chr14	55046075	55047421	55047485	55048419	+
Mrpl55	MmuEX0029707	chr11	59016055	59016067	59016174	59016250	+
Mrpl55	MmuEX0029708	chr11	59016221	59017677	59017757	59019151	+
Mrpl55	MmuEX0029709	chr11	59016221	59018058	59018259	59019151	+
Mrpl9	MmuEX0029710	chr3	94247737	94248509	94248633	94248823	+
Mrpl9	MmuEX0029711	chr3	94250659	94251182	94251265	94251708	+
Mrps10	MmuEX0029712	chr17	47506306	47506978	47507107	47509376	+
Mrps10	MmuEX0029713	chr17	47506306	47507237	47507319	47509376	+
Mrps10	MmuEX0029714	chr17	47506306	47509376	47509440	47509522	+
Mrps10	MmuEX0029715	chr17	47509440	47509525	47509594	47514709	+
Mrps10	MmuEX0029716	chr17	47506306	47511922	47512058	47514709	+
Mrps11	MmuEX0029719	chr7	85933659	85935523	85935652	85936760	+
Mrps15	MmuEX0029720	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Mrps15	MmuEX0029721	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Mrps17	MmuEX0029722	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+

Mrps18b	MmuEX0029723	chr17	36049349	36051641	36051749	36053237	-
Mrps18b	MmuEX0029724	chr17	36049349	36051437	36051534	36053237	-
Mrps18b	MmuEX0029725	chr17	36049349	36051279	36051347	36053237	-
Mrps18b	MmuEX0029726	chr17	36047901	36049283	36049349	36051279	-
Mrps18c	MmuEX0029728	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Mrps18c	MmuEX0029729	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Mrps18c	MmuEX0029730	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Mrps2	MmuEX0029731	chr2	28324470	28324741	28324848	28324943	+
Mrps22	MmuEX0029732	chr9	98495232	98497239	98497403	98498554	-
Mrps23	MmuEX0029733	chr11	88017987	88018691	88018861	88023355	+
Mrps24	MmuEX0029734	chr11	5607412	5607490	5607558	5607627	-
Mrps24	MmuEX0029735	chr11	5604735	5607301	5607412	5607490	-
Mrps25	MmuEX0029736	chr6	92128810	92131532	92131665	92133834	-
Mrps27	MmuEX0029737	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029738	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029739	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029740	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029741	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029742	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029743	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029744	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps27	MmuEX0029745	chr13	1E+08	1E+08	1E+08	1E+08	+
Mrps28	MmuEX0029746	chr3	8802414	8899986	8900167	8923587	-
Mrps31	MmuEX0029747	chr8	23530357	23531782	23531922	23534819	+
Mrps31	MmuEX0029748	chr8	23522056	23525188	23525475	23530199	+
Mrps31	MmuEX0029749	chr8	23534892	23538220	23538363	23539653	+
Mrps35	MmuEX0029750	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mrps35	MmuEX0029751	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mrps35	MmuEX0029752	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mrps35	MmuEX0029753	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mrps36	MmuEX0029754	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Mrps6	MmuEX0029755	chr16	92099978	92106629	92106884	92111978	+
Mrps6	MmuEX0029756	chr16	92058725	92096292	92097163	92099839	+
Mrps6	MmuEX0029757	chr16	92058725	92099839	92099978	92111978	+
Mrps9	MmuEX0029758	chr1	42919493	42936600	42936662	42936741	+
Mrps9	MmuEX0029759	chr1	42936771	42941130	42941211	42944552	+
Mrps9	MmuEX0029760	chr1	42944631	42944700	42944807	42952195	+
Mrps9	MmuEX0029761	chr1	42953013	42955285	42955453	42956286	+
Mrrf	MmuEX0029762	chr2	35997177	36002873	36002969	36003423	+
Mrrf	MmuEX0029763	chr2	35997177	36003423	36003578	36009113	+
Mrrf	MmuEX0029764	chr2	36003578	36009113	36009231	36015119	+
Mrs2	MmuEX0029765	chr13	25085652	25086594	25086711	25087214	-
Mrs2	MmuEX0029766	chr13	25087366	25088897	25089013	25090794	-
Mrs2	MmuEX0029767	chr13	25110462	25110773	25110842	25111951	-
Ms4a6b	MmuEX0029778	chr19	11601387	11603064	11603165	11603978	+
Ms4a6b	MmuEX0029779	chr19	11596295	11598407	11598456	11601111	+
Ms4a7	MmuEX0029780	chr19	11396072	11396789	11396890	11398912	-

Ms4a7	MmuEX0029781	chr19	11399118	11400297	11400353	11402415	-
Msh2	MmuEX0029783	chr17	88095944	88106522	88106645	88107792	+
Msh2	MmuEX0029784	chr17	88118875	88120223	88120398	88122675	+
Msh2	MmuEX0029785	chr17	88072146	88077565	88077702	88079140	+
Msh2	MmuEX0029786	chr17	88079418	88081871	88082017	88084777	+
Msh2	MmuEX0029787	chr17	88088481	88095835	88095944	88106522	+
Msh2	MmuEX0029788	chr17	88107942	88111969	88112066	88116795	+
Msh3	MmuEX0029789	chr13	93005686	93019782	93019893	93026650	-
Msh3	MmuEX0029790	chr13	93121406	93123180	93123297	93124718	-
Msh3	MmuEX0029791	chr13	93079514	93082529	93082641	93112201	-
Msh3	MmuEX0029792	chr13	93055964	93079400	93079514	93082529	-
Msh3	MmuEX0029793	chr13	93055964	93070229	93070313	93079400	-
Msh3	MmuEX0029794	chr13	93055964	93069108	93069217	93070229	-
Msh3	MmuEX0029795	chr13	93026757	93044685	93044872	93055832	-
Msh3	MmuEX0029796	chr13	93035946	93043907	93044075	93044685	-
Msh3	MmuEX0029797	chr13	93026757	93035882	93035946	93043907	-
Msh3	MmuEX0029798	chr13	93026757	93033676	93033792	93035882	-
Msh3	MmuEX0029799	chr13	93119292	93121186	93121315	93123180	-
Msh3	MmuEX0029800	chr13	93117400	93117783	93118401	93119104	-
Msh3	MmuEX0029801	chr13	93055964	93116688	93116805	93117284	-
Msh3	MmuEX0029802	chr13	93115056	93115126	93115175	93116314	-
Msh3	MmuEX0029803	chr13	93055964	93114911	93115037	93116314	-
Msh3	MmuEX0029804	chr13	93055964	93112201	93112367	93114911	-
Msh6	MmuEX0029820	chr17	88374982	88375352	88375590	88379531	+
Msi2	MmuEX0029823	chr11	88577908	88578604	88578685	88579019	-
Msi2	MmuEX0029824	chr11	88162494	88176958	88177007	88180287	-
Msi2	MmuEX0029825	chr11	88573793	88576168	88576250	88577824	-
Msi2	MmuEX0029826	chr11	88180349	88181714	88181737	88199547	-
Msi2	MmuEX0029827	chr11	88158162	88162286	88162440	88180287	-
Msi2	MmuEX0029828	chr11	88158162	88160555	88160627	88162286	-
Msi2	MmuEX0029829	chr11	88403649	88549191	88549262	88573752	-
Msl1	MmuEX0029830	chr11	98665284	98665616	98665740	98666161	+
Msl1	MmuEX0029831	chr11	98661696	98663582	98663629	98664096	+
Msl3	MmuEX0029832	chrX	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Msl3	MmuEX0029833	chrX	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Msl3	MmuEX0029834	chrX	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Msn	MmuEX0029844	chrX	93359249	93360714	93360806	93361264	+
Msra	MmuEX0029846	chr14	64742190	64829265	64829371	64852666	-
Msra	MmuEX0029847	chr14	64742190	64825822	64826013	64829265	-
Msra	MmuEX0029848	chr14	64904020	64932524	64932592	65059547	-
Msra	MmuEX0029849	chr14	64932592	64948720	64948779	65035735	-
Msra	MmuEX0029850	chr14	64932592	65059547	65059863	65069801	-
Msra	MmuEX0029851	chr14	64852770	64903911	64904020	64932524	-
Msrb2	MmuEX0029852	chr2	19293544	19293901	19293936	19299789	+
Msrb2	MmuEX0029853	chr2	19293544	19299789	19299889	19304868	+
Msrb2	MmuEX0029854	chr2	19299889	19304868	19304944	19314835	+
Msrb2	MmuEX0029855	chr2	19304944	19314835	19314982	19315878	+

Msrb3	MmuEX0029856	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Msrb3	MmuEX0029857	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Msrb3	MmuEX0029858	chr10	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Msto1	MmuEX0029866	chr3	88714161	88714236	88714340	88714548	-
Msto1	MmuEX0029867	chr3	88713832	88714052	88714161	88714236	-
Msto1	MmuEX0029868	chr3	88716222	88716625	88716700	88716780	-
Mta1	MmuEX0029869	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta1	MmuEX0029870	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta1	MmuEX0029871	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta1	MmuEX0029872	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta1	MmuEX0029873	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta1	MmuEX0029874	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta1	MmuEX0029875	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Mta2	MmuEX0029876	chr19	9017209	9017410	9017522	9017955	+
Mta2	MmuEX0029877	chr19	9025520	9025626	9025774	9025980	+
Mta3	MmuEX0029878	chr17	84153257	84154899	84155016	84162254	+
Mta3	MmuEX0029879	chr17	84191141	84191882	84192104	84199390	+
Mta3	MmuEX0029880	chr17	84199476	84203791	84203937	84213976	+
Mta3	MmuEX0029881	chr17	84114047	84123739	84123854	84137669	+
Mta3	MmuEX0029882	chr17	84155016	84162254	84162353	84165847	+
Mtap	MmuEX0029884	chr4	88794179	88797913	88797971	88802350	+
Mtap1a	MmuEX0029887	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mtap1a	MmuEX0029889	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Mtap1s	MmuEX0029890	chr8	73435827	73436133	73436165	73436412	+
Mtap1s	MmuEX0029891	chr8	73430026	73434844	73434948	73435745	+
Mtap1s	MmuEX0029892	chr8	73434948	73435343	73435425	73435745	+
Mtap1s	MmuEX0029893	chr8	73434948	73435745	73435827	73436331	+
Mtap4	MmuEX0029903	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029904	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029905	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029906	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029907	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029908	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029909	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029910	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029911	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029912	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029913	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029914	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap4	MmuEX0029915	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Mtap6	MmuEX0029916	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Mtap6	MmuEX0029917	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Mtap6	MmuEX0029918	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Mtap6	MmuEX0029919	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Mtap7	MmuEX0029920	chr10	19966521	19970176	19970286	19976990	+
Mtap7	MmuEX0029921	chr10	19987182	19989166	19989394	19993585	+
Mtap7	MmuEX0029922	chr10	19989394	19993086	19993260	19993585	+

Mtap7	MmuEX0029923	chr10	19996081	19997931	19998151	19999802	+
Mtap7	MmuEX0029924	chr10	19970286	19976990	19977103	19981641	+
Mtap7	MmuEX0029925	chr10	19977103	19981665	19981789	19986542	+
Mtap7	MmuEX0029926	chr10	19981789	19986542	19986657	19993585	+
Mtap7	MmuEX0029927	chr10	19986657	19986929	19987182	19993585	+
Mtap7d1	MmuEX0029928	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Mtap7d1	MmuEX0029929	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Mtap7d1	MmuEX0029930	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Mtbp	MmuEX0029943	chr15	55418039	55418231	55418488	55420211	+
Mtbp	MmuEX0029944	chr15	55438354	55439982	55440126	55442493	+
Mtbp	MmuEX0029945	chr15	55438354	55442493	55442588	55449037	+
Mtbp	MmuEX0029946	chr15	55398850	55400601	55400714	55402850	+
Mtbp	MmuEX0029948	chr15	55409120	55417866	55418039	55428897	+
Mtbp	MmuEX0029949	chr15	55418039	55420211	55420318	55428897	+
Mtch1	MmuEX0029950	chr17	29473256	29475687	29475746	29476736	-
Mtch1	MmuEX0029951	chr17	29477842	29478010	29478146	29479768	-
Mtch2	MmuEX0029952	chr2	90689861	90692997	90693023	90693181	+
Mtcp1	MmuEX0029953	chrX	72656861	72656974	72657125	72661354	-
Mtdh	MmuEX0029954	chr15	34061043	34063206	34063446	34064046	+
Mtdh	MmuEX0029955	chr15	34044730	34045030	34045114	34046066	+
Mtdh	MmuEX0029956	chr15	34066582	34069496	34069652	34070447	+
Mtdh	MmuEX0029957	chr15	34029340	34043779	34043863	34047635	+
Mtdh	MmuEX0029958	chr15	34043863	34044554	34044730	34046066	+
Mtdh	MmuEX0029959	chr15	34044730	34046066	34046131	34047635	+
Mtdh	MmuEX0029960	chr15	34047865	34051178	34051267	34053423	+
Mtdh	MmuEX0029961	chr15	34047865	34053423	34053521	34060919	+
Mterfd1	MmuEX0029962	chr13	67031159	67032678	67032720	67033871	-
Mterfd1	MmuEX0029963	chr13	67031159	67032542	67032594	67033871	-
Mterfd1	MmuEX0029964	chr13	67029258	67030821	67031159	67033871	-
Mterfd1	MmuEX0029965	chr13	67013314	67015563	67015724	67017549	-
Mterfd1	MmuEX0029966	chr13	67013314	67014059	67014263	67015563	-
Mterfd1	MmuEX0029967	chr13	67031159	67031990	67032243	67032542	-
Mterfd1	MmuEX0029968	chr13	67018109	67023692	67023881	67029106	-
Mterfd1	MmuEX0029969	chr13	67017620	67017962	67018109	67023692	-
Mterfd2	MmuEX0029970	chr1	95198372	95199295	95199479	95201185	-
Mterfd3	MmuEX0029971	chr10	84589231	84589860	84589953	84590707	-
Mterfd3	MmuEX0029972	chr10	84583559	84589113	84589210	84590707	-
Mtf1	MmuEX0029973	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mtf1	MmuEX0029974	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Mtf2	MmuEX0029975	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Mtf2	MmuEX0029976	chr5	1.08E+08	1.08E+08	1.08E+08	1.09E+08	+
Mtf2	MmuEX0029977	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029979	chr5	1.08E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029980	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029981	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029982	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029983	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+

Mtf2	MmuEX0029984	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029985	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtf2	MmuEX0029986	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Mtfmt	MmuEX0029987	chr9	65288255	65289420	65289495	65291686	+
Mtfmt	MmuEX0029988	chr9	65295109	65295792	65296127	65296503	+
Mtftp1	MmuEX0029989	chr11	3994036	3994392	3994519	3995219	-
Mtfr1	MmuEX0029990	chr3	19088288	19100026	19100167	19106452	+
Mtfr1	MmuEX0029992	chr3	19100167	19106452	19106550	19111468	+
Mtg1	MmuEX0029994	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mtg1	MmuEX0029995	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mtg1	MmuEX0029996	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mtg1	MmuEX0029997	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mthfd1	MmuEX0029998	chr12	77356531	77371405	77371489	77380391	+
Mthfd1	MmuEX0029999	chr12	77392104	77394378	77394424	77395127	+
Mthfd1	MmuEX0030000	chr12	77394424	77395127	77395234	77395342	+
Mthfd1	MmuEX0030001	chr12	77402385	77403946	77404014	77404621	+
Mthfd1	MmuEX0030002	chr12	77371489	77380391	77380450	77381144	+
Mthfd1	MmuEX0030003	chr12	77381197	77381367	77381503	77381616	+
Mthfd1	MmuEX0030004	chr12	77381503	77381616	77381716	77383875	+
Mthfd2	MmuEX0030010	chr6	83261356	83261806	83261928	83263356	-
Mthfd2	MmuEX0030011	chr6	83260513	83261204	83261356	83261806	-
Mthfd2l	MmuEX0030012	chr5	91403441	91405711	91405863	91429520	+
Mthfd2l	MmuEX0030013	chr5	91360459	91361938	91361971	91375816	+
Mthfd2l	MmuEX0030014	chr5	91360459	91375816	91376000	91403349	+
Mthfd2l	MmuEX0030015	chr5	91360459	91377849	91377971	91403349	+
Mthfd2l	MmuEX0030016	chr5	91377971	91388731	91388883	91403349	+
Mthfd2l	MmuEX0030017	chr5	91388883	91390316	91390423	91403349	+
Mthfd2l	MmuEX0030018	chr5	91403441	91429520	91429645	91449178	+
Mthfr	MmuEX0030019	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mthfr	MmuEX0030020	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Mthfsd	MmuEX0030022	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Mthfsd	MmuEX0030023	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Mthfsd	MmuEX0030024	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Mthfsd	MmuEX0030025	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Mthfsd	MmuEX0030026	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Mthfsd	MmuEX0030027	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Mtif2	MmuEX0030028	chr11	29426565	29426693	29426843	29427720	+
Mtif2	MmuEX0030029	chr11	29426843	29427720	29427801	29429929	+
Mtif2	MmuEX0030030	chr11	29426843	29429929	29430154	29430581	+
Mtif2	MmuEX0030031	chr11	29442509	29444270	29444410	29444913	+
Mtif2	MmuEX0030032	chr11	29438793	29440068	29440272	29440609	+
Mtif2	MmuEX0030033	chr11	29430154	29430581	29430692	29433226	+
Mtif2	MmuEX0030034	chr11	29433397	29433832	29433992	29435090	+
Mtif3	MmuEX0030035	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Mtif3	MmuEX0030036	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Mtif3	MmuEX0030037	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Mtl5	MmuEX0030038	chr19	3392261	3393925	3394045	3395920	+

Mtm1	MmuEX0030039	chrX	68555789	68560875	68561051	68566821	+
Mtm1	MmuEX0030040	chrX	68552949	68554909	68555001	68555676	+
Mtm1	MmuEX0030041	chrX	68555001	68555676	68555789	68560875	+
Mtm1	MmuEX0030042	chrX	68486319	68488027	68488121	68507426	+
Mtm1	MmuEX0030043	chrX	68488121	68507426	68507536	68512900	+
Mtm1	MmuEX0030044	chrX	68507536	68512900	68513001	68537776	+
Mtm1	MmuEX0030045	chrX	68540476	68544924	68545112	68552743	+
Mtm1	MmuEX0030046	chrX	68545112	68549339	68549524	68552743	+
Mtmr1	MmuEX0030047	chrX	68636450	68641398	68641935	68644865	+
Mtmr1	MmuEX0030048	chrX	68618247	68622974	68623079	68636375	+
Mtmr1	MmuEX0030049	chrX	68623079	68630062	68630085	68636375	+
Mtmr1	MmuEX0030050	chrX	68630085	68630779	68630805	68636375	+
Mtmr1	MmuEX0030051	chrX	68623079	68632189	68632239	68636375	+
Mtmr1	MmuEX0030052	chrX	68645774	68646471	68646620	68647452	+
Mtmr1	MmuEX0030053	chrX	68645774	68647452	68647577	68653716	+
Mtmr1	MmuEX0030054	chrX	68645774	68653716	68653901	68658047	+
Mtmr10	MmuEX0030055	chr7	71432727	71433225	71433285	71442346	+
Mtmr10	MmuEX0030056	chr7	71465520	71466049	71466119	71471538	+
Mtmr10	MmuEX0030057	chr7	71478368	71479988	71480092	71481598	+
Mtmr10	MmuEX0030058	chr7	71453104	71454906	71455066	71458970	+
Mtmr10	MmuEX0030059	chr7	71445568	71453014	71453104	71458970	+
Mtmr11	MmuEX0030060	chr3	95966181	95966552	95966642	95967015	+
Mtmr12	MmuEX0030064	chr15	12135034	12160029	12160089	12162511	+
Mtmr12	MmuEX0030065	chr15	12193652	12195299	12195466	12196362	+
Mtmr12	MmuEX0030066	chr15	12162656	12163609	12163681	12165773	+
Mtmr12	MmuEX0030067	chr15	12163681	12165773	12165875	12167684	+
Mtmr12	MmuEX0030068	chr15	12165903	12167684	12167774	12174739	+
Mtmr12	MmuEX0030069	chr15	12167774	12174739	12174868	12181108	+
Mtmr12	MmuEX0030070	chr15	12160089	12181108	12181183	12189323	+
Mtmr12	MmuEX0030071	chr15	12160089	12187382	12187488	12189323	+
Mtmr12	MmuEX0030072	chr15	12160089	12188173	12188297	12189323	+
Mtmr14	MmuEX0030073	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030074	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030075	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030076	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030077	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030078	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030079	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030080	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030081	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030082	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr14	MmuEX0030083	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtmr2	MmuEX0030084	chr9	13553844	13586721	13586826	13590296	+
Mtmr2	MmuEX0030085	chr9	13586826	13588050	13588154	13590296	+
Mtmr3	MmuEX0030086	chr11	4446271	4449232	4449359	4494606	-
Mtmr3	MmuEX0030087	chr11	4397452	4397934	4398065	4398891	-
Mtmr3	MmuEX0030088	chr11	4392917	4395623	4395728	4397341	-

Mtmr3	MmuEX0030089	chr11	4385454	4385882	4385992	4387228	-
Mtmr3	MmuEX0030090	chr11	4382942	4385366	4385454	4387228	-
Mtmr3	MmuEX0030091	chr11	4382942	4384674	4384700	4385366	-
Mtmr3	MmuEX0030092	chr11	4431308	4446192	4446271	4494606	-
Mtmr3	MmuEX0030093	chr11	4407689	4431225	4431308	4494606	-
Mtmr3	MmuEX0030094	chr11	4407689	4428320	4428409	4494606	-
Mtmr3	MmuEX0030095	chr11	4407689	4427839	4427955	4494606	-
Mtmr3	MmuEX0030096	chr11	4407689	4420835	4420917	4494606	-
Mtmr4	MmuEX0030098	chr11	87406935	87410698	87410787	87411117	+
Mtmr4	MmuEX0030099	chr11	87405752	87406400	87406452	87406891	+
Mtmr6	MmuEX0030100	chr14	60884198	60889196	60889386	60895966	+
Mtmr6	MmuEX0030101	chr14	60915611	60916900	60917031	60917752	+
Mtmr6	MmuEX0030102	chr14	60908514	60909543	60909656	60910831	+
Mtmr6	MmuEX0030103	chr14	60908514	60910831	60910963	60911755	+
Mtmr6	MmuEX0030104	chr14	60884198	60895966	60896082	60900774	+
Mtmr6	MmuEX0030105	chr14	60896082	60898920	60899082	60900774	+
Mtmr9	MmuEX0030111	chr14	64161293	64161895	64161960	64162295	-
Mtmr9	MmuEX0030112	chr14	64153381	64154364	64154504	64155829	-
Mtmr9	MmuEX0030113	chr14	64143054	64145628	64145779	64146948	-
Mto1	MmuEX0030114	chr9	78305413	78305724	78305854	78308640	+
Mto1	MmuEX0030115	chr9	78296317	78297226	78297425	78305017	+
Mto1	MmuEX0030116	chr9	78297425	78297525	78297642	78305017	+
Mto1	MmuEX0030117	chr9	78297642	78300571	78300860	78305017	+
Mtor	MmuEX0030118	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030119	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030120	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030121	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030122	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030123	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030124	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030125	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030126	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030127	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030128	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030129	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030130	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030131	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030132	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030133	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtor	MmuEX0030134	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Mtpap	MmuEX0030135	chr18	4375776	4379567	4379739	4380652	+
Mtpap	MmuEX0030136	chr18	4386380	4386951	4387177	4394972	+
Mtpap	MmuEX0030138	chr18	4379739	4380671	4380885	4383183	+
Mtpap	MmuEX0030139	chr18	4395064	4395154	4395227	4396103	+
Mtr	MmuEX0030140	chr13	12330315	12331916	12331977	12333832	-
Mtr	MmuEX0030141	chr13	12323352	12325169	12325281	12327724	-
Mtr	MmuEX0030142	chr13	12317908	12319951	12320136	12323212	-

Mtr	MmuEX0030143	chr13	12307832	12309077	12309166	12313689	-
Mtr	MmuEX0030144	chr13	12336884	12339586	12339692	12340160	-
Mtr	MmuEX0030145	chr13	12340252	12342112	12342181	12342869	-
Mtr	MmuEX0030146	chr13	12292545	12297557	12297624	12304655	-
Mtr	MmuEX0030147	chr13	12292545	12297010	12297130	12304655	-
Mtr	MmuEX0030148	chr13	12282671	12292464	12292545	12297010	-
Mtr	MmuEX0030149	chr13	12282671	12291313	12291402	12292464	-
Mtr	MmuEX0030150	chr13	12282671	12290180	12290255	12291313	-
Mtr	MmuEX0030151	chr13	12282671	12287505	12287660	12290180	-
Mtr	MmuEX0030152	chr13	12282671	12285881	12286077	12287505	-
Mtrf1	MmuEX0030153	chr14	79811621	79812794	79812911	79815685	+
Mtrf1	MmuEX0030154	chr14	79812911	79815685	79815821	79818995	+
Mtrf1l	MmuEX0030155	chr10	4526516	4527557	4527613	4528929	+
Mtrf1l	MmuEX0030156	chr10	4529092	4530872	4530989	4532364	+
Mtrr	MmuEX0030157	chr13	68701309	68703197	68703379	68703477	-
Mtrr	MmuEX0030158	chr13	68711577	68713559	68713788	68713895	-
Mtrr	MmuEX0030159	chr13	68716582	68718420	68718573	68719428	-
Mtrr	MmuEX0030160	chr13	68711577	68716465	68716582	68718420	-
Mtrr	MmuEX0030161	chr13	68711577	68713895	68714267	68716465	-
Mtss1	MmuEX0030162	chr15	58886646	58889916	58889977	58913011	-
Mtss1	MmuEX0030163	chr15	58783235	58785069	58785166	58786661	-
Mtss1	MmuEX0030164	chr15	58788145	58796052	58796063	58800394	-
Mtss1	MmuEX0030165	chr15	58777574	58779878	58779997	58783025	-
Mtss1	MmuEX0030166	chr15	58777574	58778881	58779075	58783025	-
Mtss1	MmuEX0030167	chr15	58788145	58804031	58804115	58886573	-
Mtss1	MmuEX0030168	chr15	58788145	58802532	58802623	58886573	-
Mtss1	MmuEX0030169	chr15	58788145	58800394	58800468	58886573	-
Mtss1l	MmuEX0030170	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtss1l	MmuEX0030171	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtss1l	MmuEX0030172	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtss1l	MmuEX0030173	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtss1l	MmuEX0030174	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mtss1l	MmuEX0030175	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Mttp	MmuEX0030177	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mttp	MmuEX0030178	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mttp	MmuEX0030179	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mttp	MmuEX0030180	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mttp	MmuEX0030181	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Mtus1	MmuEX0030182	chr8	42135470	42141889	42142038	42161586	-
Mtus1	MmuEX0030183	chr8	42161781	42167968	42170194	42218835	-
Mtus1	MmuEX0030184	chr8	42087873	42100742	42100808	42107734	-
Mtus2	MmuEX0030185	chr5	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Mtus2	MmuEX0030186	chr5	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Mtx1	MmuEX0030188	chr3	89013581	89014029	89014105	89014188	-
Mtx2	MmuEX0030189	chr2	74707486	74708465	74708541	74714360	+
Mtx2	MmuEX0030190	chr2	74685342	74686356	74686402	74697462	+
Mtx2	MmuEX0030191	chr2	74664100	74681778	74681780	74685295	+

Mtx3	MmuEX0030192	chr13	93619030	93619380	93619478	93620245	+
Mtx3	MmuEX0030193	chr13	93619030	93620245	93620333	93622739	+
Mtx3	MmuEX0030194	chr13	93614822	93615161	93615230	93615576	+
Mtx3	MmuEX0030195	chr13	93615230	93615576	93615652	93616773	+
Mudeng	MmuEX0030204	chr14	49686539	49693224	49693869	49698370	+
Mudeng	MmuEX0030205	chr14	49700804	49703016	49703131	49703534	+
Mudeng	MmuEX0030206	chr14	49700596	49700686	49700804	49703534	+
Mudeng	MmuEX0030207	chr14	49693869	49698370	49698597	49699911	+
Mul1	MmuEX0030211	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Mul1	MmuEX0030212	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Mul1	MmuEX0030213	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Mum1	MmuEX0030214	chr10	79698926	79700487	79700594	79701060	+
Mum1	MmuEX0030215	chr10	79698926	79701060	79701136	79701605	+
Mum1	MmuEX0030216	chr10	79695792	79696968	79697072	79698856	+
Mup3	MmuEX0030221	chr4	61745894	61809618	61809728	61811688	-
Mup3	MmuEX0030222	chr4	61745894	61747834	61747967	61811688	-
Mup3	MmuEX0030223	chr4	61745894	61746993	61747066	61747834	-
Mup3	MmuEX0030224	chr4	61745894	61746238	61746348	61746993	-
Mup6	MmuEX0030226	chr4	60018895	60019061	60019106	60019892	+
Mus81	MmuEX0030227	chr19	5485625	5486029	5486114	5486280	-
Mus81	MmuEX0030228	chr19	5485353	5485488	5485625	5485626	-
Mut	MmuEX0030232	chr17	41075831	41076764	41076948	41078265	+
Mut	MmuEX0030233	chr17	41074411	41075464	41075831	41078265	+
Muted	MmuEX0030234	chr13	38695897	38704512	38704570	38710959	-
Mutyh	MmuEX0030235	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mutyh	MmuEX0030238	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mutyh	MmuEX0030239	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mutyh	MmuEX0030240	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Mvd	MmuEX0030241	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Mvk	MmuEX0030242	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Mvk	MmuEX0030243	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Mvk	MmuEX0030244	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Mvk	MmuEX0030245	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Mvk	MmuEX0030246	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Mvk	MmuEX0030247	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Mxd1	MmuEX0030250	chr6	86601595	86603079	86603193	86613065	-
Mxd4	MmuEX0030252	chr5	34521573	34522988	34523101	34526963	-
Mxd4	MmuEX0030253	chr5	34521573	34526963	34526992	34529978	-
Mxi1	MmuEX0030254	chr19	53420970	53444032	53444146	53444680	+
Mxi1	MmuEX0030255	chr19	53405973	53420941	53420970	53444032	+
Mxra7	MmuEX0030256	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Mxra8	MmuEX0030257	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Myadm	MmuEX0030258	chr7	3290793	3293204	3293292	3296723	+
Mybbp1a	MmuEX0030261	chr11	72255985	72256072	72256146	72256248	+
Mybbp1a	MmuEX0030262	chr11	72257622	72258184	72258479	72258678	+
Mybbp1a	MmuEX0030263	chr11	72263596	72264128	72264276	72264379	+
Mybpc2	MmuEX0030281	chr7	51762572	51763601	51763735	51764339	-

Mybpc2	MmuEX0030282	chr7	51760765	51760936	51761075	51761422	-
Mybpc2	MmuEX0030283	chr7	51759193	51760369	51760505	51760606	-
Mybpc3	MmuEX0030284	chr2	90960420	90960509	90960657	90961182	+
Mybpc3	MmuEX0030285	chr2	90961725	90961889	90961918	90962059	+
Mybpc3	MmuEX0030286	chr2	90962112	90962497	90962499	90963012	+
Mycbp2	MmuEX0030287	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030288	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030289	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030290	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030291	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030292	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030293	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030294	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030295	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030296	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030298	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030299	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030300	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030301	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030302	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030303	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030304	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030305	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030306	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030307	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030308	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030309	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030310	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030311	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030312	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030313	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030314	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030315	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030316	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030317	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030318	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030319	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030320	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030321	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbp2	MmuEX0030322	chr14	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Mycbpap	MmuEX0030323	chr11	94364610	94364785	94364930	94365364	-
Mycbpap	MmuEX0030324	chr11	94362834	94364440	94364610	94364785	-
Mycbpap	MmuEX0030325	chr11	94373657	94373905	94374091	94374832	-
Myd88	MmuEX0030330	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Myef2	MmuEX0030331	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Myef2	MmuEX0030332	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Myef2	MmuEX0030333	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-

Myef2	MmuEX0030334	chr2	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Myeov2	MmuEX0030338	chr1	94536336	94538184	94538248	94538457	-
Myeov2	MmuEX0030339	chr1	94533980	94536264	94536336	94538184	-
Myg1	MmuEX0030340	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Myh10	MmuEX0030341	chr11	68505684	68512712	68513087	68534822	+
Myh10	MmuEX0030342	chr11	68584559	68585374	68585488	68596608	+
Myh10	MmuEX0030343	chr11	68615858	68616342	68616554	68618129	+
Myh10	MmuEX0030344	chr11	68618341	68619410	68619574	68620627	+
Myh10	MmuEX0030345	chr11	68622423	68623662	68623750	68625103	+
Myh10	MmuEX0030346	chr11	68558921	68559437	68559466	68565444	+
Myh10	MmuEX0030347	chr11	68585488	68588867	68588929	68596608	+
Myh11	MmuEX0030349	chr16	14195277	14198143	14198181	14200788	-
Myh14	MmuEX0030352	chr7	51894486	51894606	51894758	51896431	-
Myh14	MmuEX0030353	chr7	51889916	51890824	51890946	51893135	-
Myh14	MmuEX0030354	chr7	51911054	51912787	51912810	51913305	-
Myh4	MmuEX0030362	chr11	67065450	67072115	67072240	67110948	+
Myh4	MmuEX0030363	chr11	67065450	67072328	67072498	67110948	+
Myh7	MmuEX0030372	chr14	55611718	55612141	55612196	55612425	-
Myh7b	MmuEX0030375	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Myh7b	MmuEX0030376	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Myh7b	MmuEX0030377	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Myh7b	MmuEX0030378	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Myh7b	MmuEX0030379	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Myh9	MmuEX0030380	chr15	77617090	77617940	77618092	77619349	-
Myh9	MmuEX0030381	chr15	77627458	77638298	77638454	77643310	-
Myh9	MmuEX0030382	chr15	77606364	77607321	77607429	77608198	-
Myh9	MmuEX0030383	chr15	77605124	77605504	77605710	77606233	-
Myh9	MmuEX0030384	chr15	77600039	77600197	77600403	77601555	-
Myh9	MmuEX0030385	chr15	77595023	77596130	77596258	77597144	-
Myh9	MmuEX0030386	chr15	77611945	77613338	77613343	77613819	-
Myh9	MmuEX0030387	chr15	77622776	77625926	77625937	77626391	-
Myl1	MmuEX0030388	chr1	66980847	66981092	66981116	66981850	-
Myl1	MmuEX0030389	chr1	66976903	66980820	66980847	66981092	-
Myl4	MmuEX0030392	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Myl4	MmuEX0030393	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Myl4	MmuEX0030395	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Myl4	MmuEX0030396	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Myl6b	MmuEX0030397	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Myl6b	MmuEX0030398	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Myl6b	MmuEX0030399	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Myl6b	MmuEX0030400	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Myl6b	MmuEX0030401	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Mylip	MmuEX0030404	chr13	45486748	45499769	45499954	45501262	+
Mylk	MmuEX0030405	chr16	34922746	34929920	34930036	34939012	+
Mylk	MmuEX0030406	chr16	34939098	34952865	34952915	34953665	+
Mylk	MmuEX0030407	chr16	34977188	34977994	34978111	34979258	+
Mylk	MmuEX0030408	chr16	34977188	34979258	34979381	34986527	+

Mylk3	MmuEX0030412	chr8	87875971	87876736	87876829	87877460	-
Mynn	MmuEX0030413	chr3	30510541	30511391	30511474	30512474	+
Mynn	MmuEX0030414	chr3	30501617	30502426	30502592	30505959	+
Myo10	MmuEX0030415	chr15	25661854	25663743	25663861	25665701	+
Myo10	MmuEX0030416	chr15	25665847	25666156	25666256	25666350	+
Myo10	MmuEX0030417	chr15	25667297	25667712	25667780	25669042	+
Myo10	MmuEX0030418	chr15	25705900	25706073	25706187	25707836	+
Myo10	MmuEX0030419	chr15	25727009	25729166	25729308	25729796	+
Myo10	MmuEX0030420	chr15	25737943	25738676	25739027	25740114	+
Myo10	MmuEX0030421	chr15	25712796	25715558	25715801	25722906	+
Myo10	MmuEX0030422	chr15	25552785	25596181	25596279	25631317	+
Myo10	MmuEX0030423	chr15	25596279	25631317	25631475	25643784	+
Myo18a	MmuEX0030445	chr11	77634688	77636778	77636948	77637264	+
Myo18a	MmuEX0030446	chr11	77636948	77637264	77637354	77637595	+
Myo18a	MmuEX0030447	chr11	77641179	77641293	77641452	77642679	+
Myo18a	MmuEX0030448	chr11	77591816	77628136	77628213	77629358	+
Myo18a	MmuEX0030449	chr11	77591816	77629358	77629393	77631121	+
Myo18a	MmuEX0030450	chr11	77660940	77661427	77661540	77662872	+
Myo18a	MmuEX0030451	chr11	77667393	77671225	77671347	77678193	+
Myo18a	MmuEX0030452	chr11	77634688	77636165	77636176	77636778	+
Myo18a	MmuEX0030453	chr11	77591816	77623308	77623360	77631121	+
Myo18a	MmuEX0030454	chr11	77591816	77625511	77625693	77631121	+
Myo18a	MmuEX0030455	chr11	77667393	77668180	77668224	77671225	+
Myo18b	MmuEX0030456	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo18b	MmuEX0030457	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo18b	MmuEX0030458	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo18b	MmuEX0030459	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo18b	MmuEX0030460	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo18b	MmuEX0030461	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo18b	MmuEX0030462	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Myo19	MmuEX0030464	chr11	84696229	84698704	84698842	84699173	+
Myo19	MmuEX0030465	chr11	84712952	84713206	84713208	84713698	+
Myo19	MmuEX0030469	chr11	84720904	84721008	84721137	84721722	+
Myo1b	MmuEX0030476	chr1	51920278	51939927	51940070	51972605	-
Myo1b	MmuEX0030477	chr1	51836605	51838814	51838876	51841281	-
Myo1b	MmuEX0030478	chr1	51823752	51825494	51825580	51825848	-
Myo1b	MmuEX0030479	chr1	51814852	51817139	51817245	51819336	-
Myo1b	MmuEX0030480	chr1	51841385	51843417	51843422	51850484	-
Myo1b	MmuEX0030481	chr1	51814101	51814720	51814852	51817139	-
Myo1b	MmuEX0030482	chr1	51820808	51823666	51823752	51825848	-
Myo1c	MmuEX0030483	chr11	75472221	75473673	75473852	75473935	+
Myo1c	MmuEX0030484	chr11	75474033	75474136	75474242	75474401	+
Myo1c	MmuEX0030485	chr11	75475318	75475524	75475629	75475737	+
Myo1c	MmuEX0030486	chr11	75482776	75483283	75483351	75483449	+
Myo1c	MmuEX0030487	chr11	75483533	75483633	75483792	75484045	+
Myo1d	MmuEX0030489	chr11	80471027	80476543	80476617	80480077	-
Myo1d	MmuEX0030490	chr11	80493617	80495884	80495937	80497827	-

Myo1d	MmuEX0030491	chr11	80480147	80484351	80484521	80488116	-
Myo1d	MmuEX0030492	chr11	80400462	80406289	80406393	80407241	-
Myo1d	MmuEX0030493	chr11	80371090	80400349	80400462	80406289	-
Myo1e	MmuEX0030494	chr9	70190936	70194494	70194575	70201067	+
Myo1e	MmuEX0030495	chr9	70224457	70226018	70226175	70226528	+
Myo1e	MmuEX0030496	chr9	70167965	70170199	70170330	70172640	+
Myo1f	MmuEX0030497	chr17	33739035	33739471	33739554	33741202	+
Myo1f	MmuEX0030498	chr17	33692801	33712741	33712873	33715038	+
Myo1g	MmuEX0030501	chr11	6411078	6411486	6411652	6412164	-
Myo1g	MmuEX0030502	chr11	6409472	6410151	6410374	6410871	-
Myo1g	MmuEX0030504	chr11	6408297	6409328	6409472	6410151	-
Myo1g	MmuEX0030505	chr11	6417200	6417573	6417626	6417855	-
Myo5a	MmuEX0030518	chr9	75012211	75014440	75014595	75014826	+
Myo5a	MmuEX0030519	chr9	75015037	75016732	75016888	75019346	+
Myo5a	MmuEX0030520	chr9	75019585	75021759	75022007	75024325	+
Myo5a	MmuEX0030521	chr9	74968651	74970718	74970862	74977779	+
Myo5a	MmuEX0030522	chr9	75045543	75049079	75049225	75051515	+
Myo5a	MmuEX0030525	chr9	75033929	75035329	75035337	75037707	+
Myo5a	MmuEX0030526	chr9	75037807	75040191	75040271	75041746	+
Myo5a	MmuEX0030527	chr9	75041944	75043933	75044007	75045450	+
Myo5b	MmuEX0030528	chr18	74602461	74729421	74729531	74737109	+
Myo5b	MmuEX0030529	chr18	74794222	74797696	74797805	74803581	+
Myo5b	MmuEX0030530	chr18	74875732	74876624	74876761	74880491	+
Myo5b	MmuEX0030531	chr18	74880556	74881987	74882226	74883411	+
Myo5b	MmuEX0030532	chr18	74729531	74737109	74737280	74740044	+
Myo5b	MmuEX0030533	chr18	74904425	74918681	74918966	74920504	+
Myo5b	MmuEX0030534	chr18	74918966	74920504	74920678	74922230	+
Myo5b	MmuEX0030535	chr18	74740188	74776577	74776733	74785216	+
Myo5b	MmuEX0030536	chr18	74821383	74822317	74822400	74836255	+
Myo5b	MmuEX0030537	chr18	74883511	74888525	74888602	74891299	+
Myo6	MmuEX0030554	chr9	80094366	80099574	80099654	80102687	+
Myo6	MmuEX0030555	chr9	80102867	80106220	80106364	80108586	+
Myo6	MmuEX0030556	chr9	80065564	80068825	80068894	80073999	+
Myo6	MmuEX0030557	chr9	80110172	80111999	80112071	80113933	+
Myo6	MmuEX0030559	chr9	80117974	80121730	80121768	80124115	+
Myo6	MmuEX0030560	chr9	80074072	80076665	80076794	80089972	+
Myo6	MmuEX0030561	chr9	80099654	80101350	80101358	80102687	+
Myo6	MmuEX0030562	chr9	80148473	80151080	80151106	80154767	+
Myo6	MmuEX0030563	chr9	80140324	80141334	80141360	80146953	+
Myo6	MmuEX0030564	chr9	80140324	80141752	80141781	80146953	+
Myo6	MmuEX0030565	chr9	80140324	80144450	80144488	80146953	+
Myo7a	MmuEX0030569	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Myo7a	MmuEX0030570	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Myo7a	MmuEX0030571	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Myo9a	MmuEX0030576	chr9	59599152	59627350	59628260	59631278	+
Myo9a	MmuEX0030577	chr9	59690945	59703173	59703319	59704614	+
Myo9a	MmuEX0030578	chr9	59708009	59709232	59709312	59711723	+

Myo9a	MmuEX0030579	chr9	59769732	59770741	59770837	59771428	+
Myo9a	MmuEX0030580	chr9	59636321	59637843	59637899	59649721	+
Myo9a	MmuEX0030581	chr9	59722490	59723009	59723221	59732287	+
Myo9a	MmuEX0030582	chr9	59737362	59741948	59742171	59742568	+
Myo9a	MmuEX0030583	chr9	59758514	59760344	59760397	59769530	+
Myo9a	MmuEX0030584	chr9	59675125	59679996	59680115	59690870	+
Myo9a	MmuEX0030585	chr9	59680115	59690870	59690945	59703173	+
Myo9a	MmuEX0030586	chr9	59750775	59753699	59753891	59757623	+
Myo9a	MmuEX0030587	chr9	59750775	59755155	59755283	59757623	+
Myo9a	MmuEX0030588	chr9	59750775	59756001	59756106	59757623	+
Myo9b	MmuEX0030589	chr8	73796728	73814141	73815035	73839024	+
Myo9b	MmuEX0030590	chr8	73860864	73861102	73861116	73862806	+
Myo9b	MmuEX0030591	chr8	73839118	73842495	73842693	73845681	+
Myo9b	MmuEX0030592	chr8	73839118	73845681	73845743	73846833	+
Myo9b	MmuEX0030593	chr8	73867592	73867989	73868099	73869929	+
Myo9b	MmuEX0030594	chr8	73868099	73869929	73870051	73871513	+
Myo9b	MmuEX0030595	chr8	73878726	73878890	73879022	73879137	+
Myo9b	MmuEX0030596	chr8	73852579	73854607	73854728	73857153	+
Myo9b	MmuEX0030597	chr8	73882135	73882515	73882562	73882862	+
Myo9b	MmuEX0030598	chr8	73858293	73860775	73860864	73864659	+
Myo9b	MmuEX0030599	chr8	73860864	73862806	73862919	73864659	+
Myo9b	MmuEX0030600	chr8	73862919	73864659	73864698	73866661	+
Myocd	MmuEX0030601	chr11	65037291	65046621	65046686	65083146	-
Myocd	MmuEX0030602	chr11	65037291	65042320	65042363	65046621	-
Myocd	MmuEX0030603	chr11	65017924	65032031	65032192	65035534	-
Myof	MmuEX0030608	chr19	37991053	37991271	37992200	37995209	-
Myom1	MmuEX0030611	chr17	71430235	71430460	71430548	71431543	+
Myom1	MmuEX0030612	chr17	71431836	71436784	71436910	71439163	+
Myom1	MmuEX0030613	chr17	71436910	71439163	71439347	71441440	+
Myom1	MmuEX0030614	chr17	71450608	71454803	71454939	71455544	+
Myom1	MmuEX0030615	chr17	71466797	71469986	71470022	71470466	+
Myom1	MmuEX0030616	chr17	71402115	71410465	71410606	71413788	+
Myom1	MmuEX0030617	chr17	71430235	71431543	71431836	71433578	+
Myom2	MmuEX0030618	chr8	15065849	15069374	15069512	15069648	+
Myom2	MmuEX0030619	chr8	15129170	15130635	15130657	15131126	+
Myoz2	MmuEX0030621	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Myoz2	MmuEX0030622	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Myoz2	MmuEX0030623	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Myoz2	MmuEX0030624	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Mypn	MmuEX0030625	chr10	62588496	62590376	62590525	62593731	-
Mypn	MmuEX0030626	chr10	62610741	62612771	62612794	62615543	-
Myrip	MmuEX0030629	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Mysm1	MmuEX0030631	chr4	94625681	94627019	94627122	94628394	-
Mysm1	MmuEX0030632	chr4	94617749	94618865	94619053	94619554	-
Mysm1	MmuEX0030633	chr4	94617465	94617617	94617749	94618865	-
Mysm1	MmuEX0030634	chr4	94615125	94617216	94617465	94617617	-
Mysm1	MmuEX0030635	chr4	94614850	94615020	94615125	94617617	-

Mysm1	MmuEX0030636	chr4	94627122	94628394	94628524	94631820	-
Mysm1	MmuEX0030637	chr4	94637226	94639609	94639679	94641908	-
Mysm1	MmuEX0030638	chr4	94637226	94637315	94637392	94641908	-
Myst2	MmuEX0030639	chr11	95161532	95167363	95167510	95171349	-
Myst2	MmuEX0030640	chr11	95137201	95137757	95137863	95138783	-
Myst2	MmuEX0030641	chr11	95167458	95167501	95167510	95170851	-
Myst2	MmuEX0030642	chr11	95151184	95152834	95152896	95155877	-
Myst3	MmuEX0030643	chr8	24029912	24033987	24034128	24035753	+
Myst3	MmuEX0030644	chr8	24034128	24035753	24035914	24036849	+
Myst3	MmuEX0030645	chr8	24018233	24018715	24018796	24020604	+
Myst3	MmuEX0030646	chr8	24018796	24020604	24020739	24022132	+
Myst3	MmuEX0030647	chr8	23970104	23971989	23972074	23972360	+
Myst4	MmuEX0030649	chr14	22438228	22438440	22438521	22441177	+
Myst4	MmuEX0030650	chr14	22456862	22477100	22477182	22479965	+
Myst4	MmuEX0030653	chr14	22438521	22441177	22441309	22445941	+
Myst4	MmuEX0030654	chr14	22438521	22444055	22444437	22445941	+
Mzt2	MmuEX0030676	chr16	15862636	15862841	15863025	15863316	-
N28178	MmuEX0030677	chr4	42930286	42935439	42935565	42946488	+
N28178	MmuEX0030678	chr4	42935565	42946488	42946539	42946651	+
N28178	MmuEX0030679	chr4	42946539	42946651	42946869	42950713	+
N28178	MmuEX0030680	chr4	42946869	42947570	42947642	42950713	+
N4bp1	MmuEX0030681	chr8	89386009	89399627	89399670	89408721	-
N4bp1	MmuEX0030682	chr8	89375620	89376435	89376479	89377058	-
N4bp1	MmuEX0030683	chr8	89368940	89377058	89377188	89384325	-
N4bp1	MmuEX0030684	chr8	89368940	89375524	89375620	89377058	-
N4bp1	MmuEX0030685	chr8	89368940	89372346	89372453	89375524	-
N4bp1	MmuEX0030686	chr8	89368940	89370714	89370821	89372346	-
N4bp2	MmuEX0030690	chr5	66199782	66200394	66200479	66201003	+
N4bp2	MmuEX0030691	chr5	66206109	66208401	66208536	66211509	+
N4bp2	MmuEX0030693	chr5	66189406	66193620	66193630	66194660	+
N4bp2	MmuEX0030695	chr5	66166902	66177345	66177600	66181257	+
N4bp2	MmuEX0030696	chr5	66177600	66179292	66179380	66181257	+
N4bp211	MmuEX0030698	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp212	MmuEX0030701	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp212	MmuEX0030702	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp212	MmuEX0030703	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp212	MmuEX0030704	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp212	MmuEX0030705	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp212	MmuEX0030706	chr5	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
N4bp3	MmuEX0030707	chr11	51459776	51463651	51463856	51464180	-
N4bp3	MmuEX0030708	chr11	51459776	51461510	51461664	51464180	-
N4bp3	MmuEX0030709	chr11	51458031	51459429	51459776	51464180	-
N6amt1	MmuEX0030710	chr16	87362848	87366384	87366525	87367710	+
N6amt2	MmuEX0030711	chr14	58176953	58184759	58184921	58190380	-
N6amt2	MmuEX0030712	chr14	58169479	58176871	58176953	58184759	-
Naa15	MmuEX0030713	chr3	51220298	51228983	51229053	51240137	+
Naa15	MmuEX0030714	chr3	51220298	51242261	51242365	51245828	+

Naa15	MmuEX0030715	chr3	51267294	51269073	51269100	51269516	+
Naa15	MmuEX0030716	chr3	51220298	51240137	51240221	51242261	+
Naa15	MmuEX0030717	chr3	51242365	51245828	51245985	51267186	+
Naa15	MmuEX0030718	chr3	51261372	51262544	51262672	51263869	+
Naa15	MmuEX0030719	chr3	51247873	51250569	51250688	51252221	+
Naa15	MmuEX0030720	chr3	51250688	51252263	51252358	51265006	+
Naa15	MmuEX0030721	chr3	51259925	51261220	51261372	51263869	+
Naa15	MmuEX0030722	chr3	51269614	51274008	51274151	51275407	+
Naa16	MmuEX0030723	chr14	79784565	79786829	79786913	79790369	-
Naa16	MmuEX0030724	chr14	79756343	79758857	79758938	79759263	-
Naa16	MmuEX0030725	chr14	79751308	79753316	79753445	79755528	-
Naa16	MmuEX0030726	chr14	79774662	79777175	79777328	79781302	-
Naa16	MmuEX0030727	chr14	79759335	79768885	79768991	79769809	-
Naa16	MmuEX0030728	chr14	79756343	79759263	79759335	79768885	-
Naa16	MmuEX0030729	chr14	79769904	79774543	79774662	79777175	-
Naa16	MmuEX0030730	chr14	79744915	79750496	79750637	79751180	-
Naa16	MmuEX0030731	chr14	79743126	79744702	79744915	79751180	-
Naa16	MmuEX0030732	chr14	79781436	79784461	79784565	79786829	-
Naa16	MmuEX0030733	chr14	79781436	79783043	79783200	79786829	-
Naa16	MmuEX0030734	chr14	79777328	79781302	79781436	79783043	-
Naa25	MmuEX0030735	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030736	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030737	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030738	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030739	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030740	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030741	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa25	MmuEX0030742	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Naa30	MmuEX0030743	chr14	49792052	49792291	49793068	49797727	+
Naa30	MmuEX0030744	chr14	49793092	49797745	49797850	49800381	+
Naa35	MmuEX0030745	chr13	59701164	59702265	59702432	59708607	+
Naa35	MmuEX0030746	chr13	59687642	59687796	59687916	59696710	+
Naa35	MmuEX0030747	chr13	59687642	59696710	59696743	59699401	+
Naa35	MmuEX0030748	chr13	59696743	59699401	59699515	59701090	+
Naa35	MmuEX0030749	chr13	59709556	59710122	59710205	59710840	+
Naa35	MmuEX0030750	chr13	59709556	59710840	59710954	59713998	+
Naa35	MmuEX0030751	chr13	59710954	59713998	59714176	59718105	+
Naa35	MmuEX0030752	chr13	59718164	59719281	59719387	59724227	+
Naa35	MmuEX0030753	chr13	59719387	59719592	59719639	59724227	+
Naa40	MmuEX0030754	chr19	7304773	7308301	7308365	7308594	-
Naa40	MmuEX0030755	chr19	7304295	7304678	7304773	7308594	-
Naa40	MmuEX0030756	chr19	7304295	7304438	7304596	7304678	-
Naa50	MmuEX0030757	chr16	44140224	44144894	44145031	44156523	+
Naa50	MmuEX0030758	chr16	44156659	44157187	44157306	44157993	+
Naaa	MmuEX0030759	chr5	92688657	92690378	92690406	92691535	-
Naaa	MmuEX0030760	chr5	92701596	92705945	92706103	92706938	-
Naalad2	MmuEX0030763	chr9	18139462	18143835	18143926	18151898	-

Naalad2	MmuEX0030764	chr9	18135343	18139372	18139462	18143835	-
Naalad2	MmuEX0030765	chr9	18131889	18135079	18135343	18139372	-
Naalad2	MmuEX0030766	chr9	18130712	18131808	18131889	18135079	-
Nab1	MmuEX0030778	chr1	52516150	52518932	52519048	52521629	-
Nab1	MmuEX0030779	chr1	52523823	52537715	52537848	52546765	-
Nab1	MmuEX0030780	chr1	52523823	52536082	52536133	52546765	-
Nab2	MmuEX0030781	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Nab2	MmuEX0030782	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Nacc2	MmuEX0030784	chr2	25920138	25945063	25946002	25978209	-
Nacc2	MmuEX0030785	chr2	25917817	25919974	25920138	25945063	-
Nacc2	MmuEX0030786	chr2	25917190	25917712	25917817	25919974	-
Nadk	MmuEX0030787	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Nadk	MmuEX0030788	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Nadk	MmuEX0030789	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Nadk	MmuEX0030790	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Nadsyn1	MmuEX0030792	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030793	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030794	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030795	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030796	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030797	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030798	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nadsyn1	MmuEX0030799	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nae1	MmuEX0030800	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030801	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030802	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030803	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030804	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030805	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030806	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nae1	MmuEX0030807	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Naga	MmuEX0030811	chr15	82161228	82161493	82161557	82162763	-
Naga	MmuEX0030812	chr15	82165377	82165927	82166021	82166273	-
Naga	MmuEX0030813	chr15	82166450	82167200	82167371	82167817	-
Naga	MmuEX0030814	chr15	82167952	82168668	82168744	82169182	-
Nagk	MmuEX0030815	chr6	83745276	83746901	83746985	83747171	+
Nagk	MmuEX0030816	chr6	83748648	83749265	83749377	83750265	+
Naglu	MmuEX0030817	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Naglu	MmuEX0030818	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nagpa	MmuEX0030819	chr16	5201606	5203434	5203892	5203990	-
Nagpa	MmuEX0030820	chr16	5199029	5199709	5199837	5200036	-
Nagpa	MmuEX0030821	chr16	5196151	5197648	5197711	5197805	-
Nagpa	MmuEX0030822	chr16	5199837	5200036	5200144	5201467	-
Nagpa	MmuEX0030823	chr16	5198716	5198824	5199029	5199709	-
Nagpa	MmuEX0030824	chr16	5197906	5198669	5198716	5199709	-
Nampt	MmuEX0030849	chr12	33519895	33523164	33523322	33524016	+
Nampt	MmuEX0030850	chr12	33531711	33533482	33533616	33535288	+

Nampt	MmuEX0030851	chr12	33505491	33513267	33513389	33515032	+
Nampt	MmuEX0030852	chr12	33527669	33531571	33531711	33533482	+
Nans	MmuEX0030853	chr4	46512014	46512938	46513092	46513585	+
Nap111	MmuEX0030854	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Nap114	MmuEX0030855	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030856	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030857	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030858	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030859	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030860	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030861	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030862	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030863	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030864	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nap114	MmuEX0030865	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Napa	MmuEX0030866	chr7	16698754	16698825	16698909	16699470	+
Napa	MmuEX0030867	chr7	16698909	16699470	16699574	16700552	+
Napa	MmuEX0030868	chr7	16699574	16700552	16700620	16700949	+
Napa	MmuEX0030869	chr7	16694516	16697933	16697979	16698461	+
Napa	MmuEX0030870	chr7	16694516	16698466	16698538	16698699	+
Napepld	MmuEX0030874	chr5	21181919	21188974	21189283	21207023	-
Napg	MmuEX0030875	chr18	63151533	63151995	63152144	63153966	+
Napg	MmuEX0030876	chr18	63137678	63140120	63140187	63151455	+
Napg	MmuEX0030877	chr18	63137678	63142273	63142357	63151455	+
Napg	MmuEX0030878	chr18	63137678	63145833	63145942	63151455	+
Napg	MmuEX0030879	chr18	63137678	63146065	63146131	63151455	+
Napg	MmuEX0030880	chr18	63137678	63146608	63146678	63151455	+
Naprt1	MmuEX0030881	chr15	75722294	75722393	75722477	75722772	-
Naprt1	MmuEX0030882	chr15	75723650	75723736	75723866	75723983	-
Naprt1	MmuEX0030883	chr15	75723183	75723535	75723650	75723983	-
Naprt1	MmuEX0030884	chr15	75722912	75722987	75723183	75723983	-
Narf	MmuEX0030885	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Narfl	MmuEX0030886	chr17	25914402	25915895	25916029	25916443	+
Narfl	MmuEX0030887	chr17	25910832	25911991	25912086	25913894	+
Narfl	MmuEX0030888	chr17	25917897	25918186	25918323	25918633	+
Narg2	MmuEX0030889	chr9	69245860	69246753	69246894	69248284	+
Narg2	MmuEX0030890	chr9	69246894	69248284	69248388	69254924	+
Narg2	MmuEX0030891	chr9	69264916	69269468	69269597	69273464	+
Narg2	MmuEX0030892	chr9	69269597	69273464	69273548	69276123	+
Narg2	MmuEX0030893	chr9	69273548	69274658	69274704	69276123	+
Narg2	MmuEX0030894	chr9	69274708	69276158	69276381	69279848	+
Narg2	MmuEX0030895	chr9	69248388	69255072	69255173	69276123	+
Narg2	MmuEX0030896	chr9	69255173	69256067	69256186	69257919	+
Narg2	MmuEX0030897	chr9	69258696	69259114	69259273	69260009	+
Narg2	MmuEX0030898	chr9	69260190	69263145	69264168	69264741	+
Narg2	MmuEX0030899	chr9	69264168	69264741	69264916	69276123	+
Nars	MmuEX0030900	chr18	64671703	64674980	64675059	64676070	-

Nars	MmuEX0030901	chr18	64667512	64667938	64667973	64668899	-
Nars2	MmuEX0030902	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030903	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030904	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030905	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030906	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030907	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030908	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030909	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nars2	MmuEX0030910	chr7	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nasp	MmuEX0030911	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nasp	MmuEX0030912	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nasp	MmuEX0030913	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nasp	MmuEX0030914	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nasp	MmuEX0030915	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nat10	MmuEX0030916	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030917	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030918	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030919	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030920	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030921	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030922	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030923	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030924	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030925	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030926	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat10	MmuEX0030927	chr2	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nat14	MmuEX0030928	chr7	4874241	4874813	4874931	4875505	+
Nat15	MmuEX0030929	chr16	3884806	3894369	3894484	3897251	+
Nat15	MmuEX0030930	chr16	3894484	3895514	3895800	3897251	+
Nat9	MmuEX0030933	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Nat9	MmuEX0030934	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Nat9	MmuEX0030935	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Nat9	MmuEX0030936	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Nav1	MmuEX0030937	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030938	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030940	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030941	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030942	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030943	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030944	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030946	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav1	MmuEX0030947	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Nav2	MmuEX0030949	chr7	56502568	56617468	56617585	56627687	+
Nav2	MmuEX0030950	chr7	56717387	56719910	56720299	56746739	+
Nav2	MmuEX0030951	chr7	56820650	56826062	56826145	56826504	+
Nav2	MmuEX0030952	chr7	56617585	56627687	56627739	56653453	+

Nav2	MmuEX0030953	chr7	56627739	56653453	56653525	56664003	+
Nav2	MmuEX0030954	chr7	56827823	56830617	56830625	56831018	+
Nav2	MmuEX0030955	chr7	56664276	56668196	56668264	56675544	+
Nav2	MmuEX0030956	chr7	56839582	56840514	56840614	56843077	+
Nav2	MmuEX0030957	chr7	56803911	56806967	56807419	56812280	+
Nav2	MmuEX0030958	chr7	56803911	56808210	56808275	56812280	+
Nav2	MmuEX0030959	chr7	56803911	56809585	56809629	56812280	+
Nbas	MmuEX0030968	chr12	13317110	13324504	13324567	13328451	+
Nbas	MmuEX0030969	chr12	13337908	13342637	13343216	13359589	+
Nbas	MmuEX0030970	chr12	13369421	13381502	13381635	13384240	+
Nbas	MmuEX0030971	chr12	13280671	13280981	13281028	13286194	+
Nbas	MmuEX0030972	chr12	13412292	13415000	13415113	13420334	+
Nbas	MmuEX0030973	chr12	13422537	13439703	13439867	13448273	+
Nbas	MmuEX0030974	chr12	13541381	13547078	13547236	13565418	+
Nbas	MmuEX0030975	chr12	13295610	13296688	13296786	13306899	+
Nbas	MmuEX0030976	chr12	13296786	13306899	13307037	13313710	+
Nbas	MmuEX0030977	chr12	13307037	13313710	13313778	13316982	+
Nbas	MmuEX0030978	chr12	13281028	13286194	13286237	13291989	+
Nbas	MmuEX0030979	chr12	13324567	13328230	13328292	13328451	+
Nbas	MmuEX0030980	chr12	13481043	13489192	13489442	13520176	+
Nbas	MmuEX0030981	chr12	13481043	13490516	13490850	13520176	+
Nbea	MmuEX0030982	chr3	55804562	55806646	55806863	55808456	-
Nbea	MmuEX0030983	chr3	55796436	55804409	55804562	55806646	-
Nbea	MmuEX0030984	chr3	55759415	55771834	55772272	55787672	-
Nbea	MmuEX0030985	chr3	55453689	55454013	55454075	55469496	-
Nbea	MmuEX0030987	chr3	55796436	55797970	55797978	55804409	-
Nbea	MmuEX0030988	chr3	55453689	55469496	55469663	55484820	-
Nbea	MmuEX0030989	chr3	55695596	55738435	55738562	55756958	-
Nbea	MmuEX0030990	chr3	55772272	55787672	55787767	55789532	-
Nbea	MmuEX0030991	chr3	55839971	55841061	55841213	55844776	-
Nbeal1	MmuEX0030994	chr1	60257835	60263178	60263260	60274040	+
Nbeal1	MmuEX0030995	chr1	60274125	60278911	60279217	60281469	+
Nbeal1	MmuEX0030998	chr1	60334905	60335511	60335644	60336543	+
Nbeal1	MmuEX0030999	chr1	60338793	60340827	60340967	60344155	+
Nbeal1	MmuEX0031000	chr1	60367157	60367771	60367943	60368995	+
Nbeal1	MmuEX0031001	chr1	60367943	60368995	60369089	60376161	+
Nbeal1	MmuEX0031002	chr1	60369089	60376161	60376277	60376515	+
Nbeal1	MmuEX0031003	chr1	60238598	60251348	60251439	60251859	+
Nbeal1	MmuEX0031004	chr1	60263260	60274040	60274125	60278911	+
Nbeal1	MmuEX0031006	chr1	60336644	60336875	60336982	60338091	+
Nbeal1	MmuEX0031007	chr1	60336644	60338091	60338186	60338669	+
Nbeal2	MmuEX0031009	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nbeal2	MmuEX0031010	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nbeal2	MmuEX0031012	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nbeal2	MmuEX0031013	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nbeal2	MmuEX0031015	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nbeal2	MmuEX0031017	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-

Nbeal2	MmuEX0031018	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nbl1	MmuEX0031019	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Nbl1	MmuEX0031020	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Nbn	MmuEX0031021	chr4	15908895	15911101	15911169	15913656	+
Nbr1	MmuEX0031022	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031023	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031024	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031025	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031026	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031027	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031028	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031029	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Nbr1	MmuEX0031030	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Ncald	MmuEX0031033	chr15	37301976	37326812	37327208	37493146	-
Ncam1	MmuEX0031040	chr9	49331751	49351116	49351247	49352756	-
Ncam1	MmuEX0031041	chr9	49354413	49358645	49358674	49365201	-
Ncam1	MmuEX0031045	chr9	49331754	49345095	49345142	49351116	-
Ncam1	MmuEX0031046	chr9	49331754	49343314	49343355	49351116	-
Ncapd2	MmuEX0031048	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031049	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031050	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031051	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031052	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031053	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031054	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031055	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd2	MmuEX0031056	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ncapd3	MmuEX0031057	chr9	26863130	26863629	26863763	26865446	+
Ncapd3	MmuEX0031058	chr9	26871040	26871355	26871452	26871562	+
Ncapd3	MmuEX0031059	chr9	26880387	26881950	26882049	26889991	+
Ncapd3	MmuEX0031060	chr9	26895149	26895564	26895781	26896018	+
Ncapd3	MmuEX0031063	chr9	26853577	26855740	26855873	26857882	+
Ncapd3	MmuEX0031064	chr9	26859072	26859204	26859456	26859909	+
Ncapd3	MmuEX0031065	chr9	26871677	26874528	26874635	26877253	+
Ncapd3	MmuEX0031066	chr9	26890965	26891191	26891225	26893525	+
Ncbp1	MmuEX0031084	chr4	46172595	46174133	46174195	46174964	+
Ncdn	MmuEX0031087	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncdn	MmuEX0031088	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncdn	MmuEX0031089	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nceh1	MmuEX0031090	chr3	27082137	27121590	27121818	27124995	+
Nceh1	MmuEX0031091	chr3	27121818	27124995	27125064	27138454	+
Ncf1	MmuEX0031092	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Ncf1	MmuEX0031093	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Ncf4	MmuEX0031097	chr15	78086459	78090373	78090521	78091054	+
Ncf4	MmuEX0031099	chr15	78075517	78080812	78080896	78081292	+
Nck1	MmuEX0031100	chr9	1E+08	1E+08	1E+08	1E+08	-
Nckap1	MmuEX0031103	chr2	80381676	80385147	80385303	80388058	-

Nckap1	MmuEX0031104	chr2	80373860	80375477	80375536	80375631	-
Nckap1	MmuEX0031105	chr2	80394415	80394855	80394947	80410276	-
Nckap1	MmuEX0031106	chr2	80393606	80394359	80394415	80410276	-
Nckap1	MmuEX0031107	chr2	80364834	80365716	80365835	80368692	-
Nckap1	MmuEX0031108	chr2	80347094	80348869	80348962	80352834	-
Nckap1	MmuEX0031109	chr2	80342471	80346330	80346439	80346978	-
Nckap1	MmuEX0031110	chr2	80389124	80393294	80393384	80393464	-
Nckap1	MmuEX0031111	chr2	80388106	80388987	80389124	80393294	-
Nckap1	MmuEX0031112	chr2	80385303	80388058	80388106	80388987	-
Nckap1	MmuEX0031113	chr2	80410386	80411370	80411383	80421015	-
Nckap1	MmuEX0031114	chr2	80358145	80359716	80359813	80360529	-
Nckap1	MmuEX0031115	chr2	80353353	80358052	80358145	80359716	-
Nckap1l	MmuEX0031116	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nckap1l	MmuEX0031117	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nckap1l	MmuEX0031118	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nckap5	MmuEX0031119	chr1	1.28E+08	1.28E+08	1.28E+08	1.29E+08	-
Nckap5	MmuEX0031122	chr1	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nckap5	MmuEX0031123	chr1	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nckipsd	MmuEX0031127	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nckipsd	MmuEX0031128	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Ncl	MmuEX0031130	chr1	88253316	88253532	88254027	88254682	-
Ncln	MmuEX0031131	chr10	80951103	80951173	80951211	80951294	-
Ncln	MmuEX0031132	chr10	80952865	80952972	80953060	80953915	-
Ncoa1	MmuEX0031134	chr12	4315865	4322868	4323045	4335781	-
Ncoa1	MmuEX0031135	chr12	4278219	4290814	4290994	4294910	-
Ncoa1	MmuEX0031137	chr12	4344502	4354361	4354509	4416671	-
Ncoa1	MmuEX0031138	chr12	4339184	4341114	4341211	4344397	-
Ncoa1	MmuEX0031139	chr12	4335878	4339018	4339184	4344397	-
Ncoa1	MmuEX0031140	chr12	4249750	4249836	4249884	4253653	-
Ncoa1	MmuEX0031141	chr12	4296248	4297476	4297623	4306424	-
Ncoa1	MmuEX0031142	chr12	4259395	4263434	4263608	4267607	-
Ncoa1	MmuEX0031143	chr12	4253746	4259212	4259309	4263434	-
Ncoa2	MmuEX0031145	chr1	13214794	13276050	13276106	13364019	-
Ncoa2	MmuEX0031146	chr1	13276106	13289744	13289803	13300826	-
Ncoa2	MmuEX0031147	chr1	13132853	13133075	13133235	13136956	-
Ncoa2	MmuEX0031149	chr1	13152369	13154977	13155183	13156977	-
Ncoa2	MmuEX0031150	chr1	13165429	13167155	13167302	13170562	-
Ncoa2	MmuEX0031151	chr1	13140999	13142878	13143156	13146451	-
Ncoa2	MmuEX0031152	chr1	13140999	13142460	13142537	13142878	-
Ncoa2	MmuEX0031153	chr1	13139189	13140771	13140999	13146451	-
Ncoa2	MmuEX0031154	chr1	13180271	13211388	13211560	13214690	-
Ncoa3	MmuEX0031155	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Ncoa3	MmuEX0031156	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Ncoa3	MmuEX0031157	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Ncoa3	MmuEX0031158	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Ncoa3	MmuEX0031159	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Ncoa3	MmuEX0031160	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+

Ncoa3	MmuEX0031161	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Ncoa4	MmuEX0031162	chr14	32979008	32979383	32979456	32983934	+
Ncoa5	MmuEX0031163	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Ncoa6	MmuEX0031164	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031165	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031166	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031167	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031168	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031169	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031170	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031171	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncoa6	MmuEX0031173	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ncor1	MmuEX0031179	chr11	62211939	62214703	62214769	62217301	-
Ncor1	MmuEX0031180	chr11	62198344	62203193	62203294	62204481	-
Ncor1	MmuEX0031181	chr11	62196877	62198220	62198344	62203193	-
Ncor1	MmuEX0031182	chr11	62168190	62171270	62171370	62172357	-
Ncor1	MmuEX0031183	chr11	62224435	62233100	62233282	62236377	-
Ncor1	MmuEX0031184	chr11	62148163	62151047	62151196	62151601	-
Ncor1	MmuEX0031185	chr11	62144426	62147165	62147658	62147998	-
Ncor1	MmuEX0031186	chr11	62143641	62144298	62144426	62147165	-
Ncor1	MmuEX0031187	chr11	62217968	62224322	62224435	62233100	-
Ncor1	MmuEX0031188	chr11	62217353	62217912	62217968	62224322	-
Ncor1	MmuEX0031189	chr11	62152570	62153910	62154131	62156499	-
Ncor1	MmuEX0031190	chr11	62214769	62216938	62216964	62217301	-
Ncor1	MmuEX0031191	chr11	62158820	62162897	62162995	62164880	-
Ncor1	MmuEX0031192	chr11	62158390	62158737	62158820	62164880	-
Ncor1	MmuEX0031193	chr11	62236569	62247065	62247201	62251840	-
Ncor1	MmuEX0031194	chr11	62172517	62173263	62173436	62180466	-
Ncor2	MmuEX0031195	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031196	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031197	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031198	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031199	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031200	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031201	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031202	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031203	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031204	chr5	1.25E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncor2	MmuEX0031206	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Ncs1	MmuEX0031211	chr2	31101762	31126132	31126156	31136186	+
Ncs1	MmuEX0031212	chr2	31137907	31139667	31139755	31140182	+
Ncstn	MmuEX0031213	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Ncstn	MmuEX0031214	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Ncstn	MmuEX0031215	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Nde1	MmuEX0031222	chr16	14169668	14170431	14170584	14183569	+
Nde1	MmuEX0031223	chr16	14170584	14175384	14175532	14183569	+
Nde1	MmuEX0031224	chr16	14175532	14183569	14183705	14185787	+

Ndel1	MmuEX0031225	chr11	68655670	68657323	68657476	68658829	-
Ndel1	MmuEX0031226	chr11	68636167	68639672	68639706	68643413	-
Ndfip1	MmuEX0031227	chr18	38611296	38611959	38612083	38615709	+
Ndfip1	MmuEX0031228	chr18	38615775	38620199	38620304	38623915	+
Ndfip2	MmuEX0031229	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ndfip2	MmuEX0031230	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ndfip2	MmuEX0031231	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ndor1	MmuEX0031232	chr2	25104840	25104925	25105046	25105314	-
Ndor1	MmuEX0031233	chr2	25104005	25104152	25104266	25104425	-
Ndor1	MmuEX0031234	chr2	25103574	25103642	25103760	25103856	-
Ndor1	MmuEX0031235	chr2	25103374	25103480	25103574	25103642	-
Ndor1	MmuEX0031236	chr2	25105898	25107241	25107338	25110384	-
Ndor1	MmuEX0031237	chr2	25105717	25105800	25105898	25107241	-
Ndr3	MmuEX0031239	chr14	52531221	52532269	52532374	52533599	-
Ndr3	MmuEX0031240	chr14	52530460	52530761	52530802	52531141	-
Ndr3	MmuEX0031241	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031242	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031243	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031244	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031245	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031246	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031247	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031248	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr3	MmuEX0031249	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Ndr4	MmuEX0031250	chr8	98230889	98232508	98232594	98232677	+
Ndr4	MmuEX0031251	chr8	98235044	98236225	98236263	98237078	+
Ndr4	MmuEX0031252	chr8	98233722	98233803	98233854	98234564	+
Ndr4	MmuEX0031253	chr8	98233854	98234564	98234611	98234834	+
Ndst1	MmuEX0031254	chr18	60864817	60867255	60867749	60872377	-
Ndst1	MmuEX0031255	chr18	60850941	60851583	60851753	60854990	-
Ndst1	MmuEX0031256	chr18	60849720	60850832	60850941	60851583	-
Ndst1	MmuEX0031257	chr18	60862612	60864730	60864817	60867255	-
Ndst1	MmuEX0031258	chr18	60862612	60863391	60863545	60864730	-
Ndst1	MmuEX0031259	chr18	60860154	60862427	60862612	60872377	-
Ndst1	MmuEX0031260	chr18	60848501	60860026	60860154	60862427	-
Ndst1	MmuEX0031261	chr18	60858189	60859162	60859344	60860026	-
Ndst1	MmuEX0031262	chr18	60848501	60858093	60858189	60859162	-
Ndst1	MmuEX0031263	chr18	60848501	60856721	60856844	60858093	-
Ndst1	MmuEX0031264	chr18	60848501	60854990	60855164	60872377	-
Ndst2	MmuEX0031265	chr14	21547483	21547673	21547827	21548098	-
Ndst2	MmuEX0031266	chr14	21544919	21546216	21546312	21546400	-
Ndufa11	MmuEX0031279	chr17	56857365	56860458	56860550	56860742	+
Ndufa11	MmuEX0031280	chr17	56860550	56860742	56860864	56861408	+
Ndufa12	MmuEX0031281	chr10	93662777	93666033	93666120	93683411	+
Ndufa12	MmuEX0031282	chr10	93662777	93678084	93678144	93683411	+
Ndufa13	MmuEX0031283	chr8	72419219	72424937	72425031	72425441	-
Ndufa13	MmuEX0031284	chr8	72419219	72425441	72425631	72425780	-

Ndufa4l2	MmuEX0031285	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Ndufa5	MmuEX0031286	chr6	24469257	24472659	24472775	24477273	-
Ndufa6	MmuEX0031287	chr15	82180801	82181409	82181524	82184511	-
Ndufa7	MmuEX0031288	chr17	33962595	33966612	33966761	33975044	+
Ndufa7	MmuEX0031289	chr17	33961762	33962546	33962595	33966612	+
Ndufa9	MmuEX0031290	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ndufa9	MmuEX0031291	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ndufa9	MmuEX0031292	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ndufa9	MmuEX0031293	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ndufa9	MmuEX0031294	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ndufaf1	MmuEX0031295	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ndufaf2	MmuEX0031296	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ndufaf2	MmuEX0031297	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ndufaf2	MmuEX0031298	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ndufaf2	MmuEX0031299	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ndufaf2	MmuEX0031300	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Ndufb10	MmuEX0031301	chr17	24859165	24859326	24859465	24859600	-
Ndufb2	MmuEX0031302	chr6	39546594	39547206	39547345	39548265	+
Ndufb7	MmuEX0031303	chr8	86090829	86094729	86094897	86095332	+
Ndufb9	MmuEX0031304	chr15	58765493	58767598	58767741	58767823	+
Ndufs1	MmuEX0031305	chr1	63199478	63202778	63202906	63203706	-
Ndufs1	MmuEX0031306	chr1	63195145	63196531	63196685	63198125	-
Ndufs1	MmuEX0031307	chr1	63193998	63194970	63195145	63196531	-
Ndufs1	MmuEX0031308	chr1	63217488	63223002	63223098	63223160	-
Ndufs1	MmuEX0031309	chr1	63217488	63222211	63222262	63223160	-
Ndufs1	MmuEX0031310	chr1	63217488	63218728	63218831	63223160	-
Ndufs1	MmuEX0031311	chr1	63211469	63212865	63212941	63215803	-
Ndufs1	MmuEX0031312	chr1	63211469	63211523	63211604	63212865	-
Ndufs2	MmuEX0031313	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ndufs2	MmuEX0031314	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ndufs3	MmuEX0031315	chr2	90735034	90737151	90737294	90738157	-
Ndufs4	MmuEX0031316	chr13	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Ndufs4	MmuEX0031317	chr13	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Ndufs4	MmuEX0031318	chr13	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Ndufs7	MmuEX0031319	chr10	79715178	79715824	79715902	79716405	+
Ndufs8	MmuEX0031320	chr19	3911616	3911689	3911746	3912710	-
Ndufv1	MmuEX0031321	chr19	4010019	4011102	4011272	4011346	-
Ndufv2	MmuEX0031322	chr17	66441269	66441998	66442066	66450755	-
Ndufv2	MmuEX0031323	chr17	66436911	66438572	66438688	66438771	-
Ndufv3	MmuEX0031324	chr17	31658637	31664255	31665346	31668055	+
Neb	MmuEX0031329	chr2	52018529	52019457	52019570	52020112	-
Nabl	MmuEX0031343	chr2	17318794	17319281	17319357	17322101	-
Nabl	MmuEX0031345	chr2	17272438	17292086	17292178	17295812	-
Nabl	MmuEX0031346	chr2	17272438	17291156	17291305	17295812	-
Nabl	MmuEX0031348	chr2	17335414	17339520	17339624	17346148	-
Nabl	MmuEX0031349	chr2	17295983	17335310	17335414	17451537	-
Nabl	MmuEX0031350	chr2	17295983	17332713	17332820	17451537	-

Nabl	MmuEX0031351	chr2	17295983	17325791	17325901	17451537	-
Nabl	MmuEX0031352	chr2	17295983	17322101	17322211	17451537	-
Nabl	MmuEX0031353	chr2	17295983	17318684	17318794	17451537	-
Nabl	MmuEX0031354	chr2	17295983	17314793	17314903	17451537	-
Nabl	MmuEX0031355	chr2	17295983	17314545	17314655	17451537	-
Nabl	MmuEX0031356	chr2	17295983	17312439	17312543	17451537	-
Nabl	MmuEX0031357	chr2	17295983	17310319	17310411	17451537	-
Nabl	MmuEX0031358	chr2	17295983	17382085	17382172	17451537	-
Nabl	MmuEX0031359	chr2	17295983	17301377	17301469	17451537	-
Nabl	MmuEX0031360	chr2	17295983	17298250	17298342	17451537	-
Nabl	MmuEX0031361	chr2	17295983	17296843	17296947	17451537	-
Nabl	MmuEX0031362	chr2	17295983	17381912	17381983	17451537	-
Nabl	MmuEX0031363	chr2	17295983	17374117	17374221	17451537	-
Nabl	MmuEX0031364	chr2	17295983	17371827	17371937	17451537	-
Nabl	MmuEX0031365	chr2	17295983	17365342	17365452	17451537	-
Nabl	MmuEX0031366	chr2	17295983	17356506	17356607	17451537	-
Nabl	MmuEX0031367	chr2	17295983	17355543	17355644	17451537	-
Nabl	MmuEX0031368	chr2	17295983	17346148	17346261	17451537	-
Necap1	MmuEX0031379	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Necap1	MmuEX0031380	chr6	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Necap2	MmuEX0031381	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Necap2	MmuEX0031382	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Nedd1	MmuEX0031383	chr10	92161672	92163465	92163694	92173916	-
Nedd1	MmuEX0031384	chr10	92174056	92182231	92182374	92185005	-
Nedd1	MmuEX0031385	chr10	92176935	92178911	92179005	92182212	-
Nedd1	MmuEX0031386	chr10	92174056	92176819	92176935	92185005	-
Nedd4	MmuEX0031387	chr9	72572889	72574218	72574337	72578709	+
Nedd4	MmuEX0031388	chr9	72510420	72517768	72517923	72519037	+
Nedd4	MmuEX0031389	chr9	72574337	72578709	72578780	72579029	+
Nedd4	MmuEX0031390	chr9	72584595	72584681	72584751	72586847	+
Nedd4	MmuEX0031391	chr9	72517923	72519037	72519110	72525122	+
Nedd4l	MmuEX0031392	chr18	65047749	65157002	65157075	65234378	+
Nedd4l	MmuEX0031395	chr18	65315402	65317499	65317665	65321169	+
Nedd4l	MmuEX0031396	chr18	65333896	65338573	65338650	65340982	+
Nedd4l	MmuEX0031397	chr18	65338650	65340982	65341036	65345980	+
Nedd4l	MmuEX0031398	chr18	65341036	65341137	65341190	65345980	+
Nedd4l	MmuEX0031399	chr18	65341036	65345980	65346038	65351091	+
Nedd4l	MmuEX0031400	chr18	65157075	65234378	65234459	65237352	+
Nedd4l	MmuEX0031401	chr18	65157075	65183495	65183643	65234378	+
Nedd4l	MmuEX0031402	chr18	65325300	65327168	65327227	65331929	+
Nedd4l	MmuEX0031403	chr18	65325300	65331929	65332060	65338573	+
Nedd4l	MmuEX0031404	chr18	65325300	65332570	65332689	65338573	+
Nedd4l	MmuEX0031405	chr18	65325300	65333699	65333896	65338573	+
Nedd8	MmuEX0031406	chr14	56282334	56282649	56282696	56290632	-
Nedd9	MmuEX0031407	chr13	41413914	41433946	41434389	41454222	-
Neil1	MmuEX0031409	chr9	56991420	56991565	56991626	56991786	-
Neil1	MmuEX0031410	chr9	56992815	56992905	56993024	56994408	-

Neil1	MmuEX0031411	chr9	56992544	56992752	56992815	56994408	-
Neil1	MmuEX0031412	chr9	56991813	56991994	56992121	56992331	-
Neil2	MmuEX0031416	chr14	63805071	63807278	63807618	63812261	-
Nek1	MmuEX0031421	chr8	63514880	63522030	63522089	63522712	+
Nek1	MmuEX0031422	chr8	63523130	63528581	63528744	63533317	+
Nek1	MmuEX0031423	chr8	63603923	63604761	63604893	63608941	+
Nek1	MmuEX0031424	chr8	63498919	63501008	63501062	63507456	+
Nek1	MmuEX0031425	chr8	63507656	63512822	63512882	63514729	+
Nek1	MmuEX0031426	chr8	63485573	63485956	63486052	63490890	+
Nek1	MmuEX0031427	chr8	63490987	63495020	63495103	63498640	+
Nek1	MmuEX0031428	chr8	63498707	63498833	63498919	63501008	+
Nek1	MmuEX0031429	chr8	63528744	63528825	63528956	63533317	+
Nek1	MmuEX0031430	chr8	63533419	63550548	63550631	63551073	+
Nek1	MmuEX0031431	chr8	63584436	63585592	63585830	63599706	+
Nek1	MmuEX0031432	chr8	63522089	63522712	63522771	63528581	+
Nek1	MmuEX0031433	chr8	63522089	63522857	63522904	63528581	+
Nek1	MmuEX0031434	chr8	63522904	63523056	63523130	63528581	+
Nek3	MmuEX0031445	chr8	23270929	23272796	23272966	23276850	-
Nek3	MmuEX0031447	chr8	23260387	23267448	23267534	23267622	-
Nek3	MmuEX0031448	chr8	23241809	23242522	23242665	23243465	-
Nek3	MmuEX0031449	chr8	23243567	23253362	23253411	23257403	-
Nek4	MmuEX0031450	chr14	31764904	31766658	31766837	31766989	+
Nek4	MmuEX0031451	chr14	31788558	31788947	31789013	31790632	+
Nek4	MmuEX0031452	chr14	31790765	31793176	31793264	31795500	+
Nek4	MmuEX0031453	chr14	31777260	31783349	31783750	31787401	+
Nek4	MmuEX0031454	chr14	31770264	31770448	31770555	31772327	+
Nek4	MmuEX0031455	chr14	31772481	31777119	31777260	31783349	+
Nek4	MmuEX0031456	chr14	31783750	31787401	31787544	31788409	+
Nek6	MmuEX0031462	chr2	38432853	38437903	38438016	38440800	+
Nek7	MmuEX0031463	chr1	1.4E+08	1.4E+08	1.4E+08	1.41E+08	-
Nek7	MmuEX0031464	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Nek7	MmuEX0031465	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Nek7	MmuEX0031466	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Nek7	MmuEX0031467	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Nek7	MmuEX0031468	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Nek7	MmuEX0031469	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Nek8	MmuEX0031470	chr11	77982950	77983880	77984030	77984115	-
Nek8	MmuEX0031471	chr11	77984454	77984592	77984800	77985613	-
Nek8	MmuEX0031472	chr11	77984800	77985613	77985744	77985953	-
Nek8	MmuEX0031473	chr11	77982591	77982874	77982950	77983880	-
Nek8	MmuEX0031474	chr11	77981744	77982474	77982591	77983880	-
Nek9	MmuEX0031475	chr12	86661856	86662979	86663029	86666258	-
Nek9	MmuEX0031476	chr12	86649939	86650560	86650764	86651337	-
Nek9	MmuEX0031477	chr12	86648939	86649769	86649939	86651337	-
Nek9	MmuEX0031478	chr12	86675006	86675307	86675446	86675548	-
Nek9	MmuEX0031479	chr12	86670925	86672779	86673353	86673451	-
Nek9	MmuEX0031480	chr12	86668449	86669422	86669552	86670794	-

Nek9	MmuEX0031481	chr12	86651498	86652288	86652396	86653896	-
Nek9	MmuEX0031482	chr12	86649939	86651337	86651498	86652288	-
Nelf	MmuEX0031483	chr2	24916884	24917013	24917088	24917192	+
Nelf	MmuEX0031484	chr2	24912696	24913773	24913841	24914541	+
Nelf	MmuEX0031485	chr2	24912696	24913485	24913490	24913773	+
Nelf	MmuEX0031486	chr2	24910579	24911156	24911656	24912621	+
Nelf	MmuEX0031487	chr2	24914593	24915125	24915214	24915659	+
Nemf	MmuEX0031492	chr12	70442637	70445116	70445178	70445667	-
Nemf	MmuEX0031493	chr12	70425963	70428621	70428733	70432075	-
Nemf	MmuEX0031494	chr12	70425339	70425420	70425478	70425906	-
Nemf	MmuEX0031495	chr12	70415435	70417231	70417425	70417730	-
Nemf	MmuEX0031496	chr12	70449924	70451844	70451953	70453294	-
Nemf	MmuEX0031497	chr12	70413653	70415403	70415435	70417231	-
Nemf	MmuEX0031498	chr12	70421556	70423088	70423337	70425219	-
Nemf	MmuEX0031499	chr12	70454929	70455634	70455759	70457017	-
Nenf	MmuEX0031500	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Neo1	MmuEX0031501	chr9	58833683	58837998	58838315	58883773	-
Neo1	MmuEX0031502	chr9	58805859	58826432	58826568	58829883	-
Neo1	MmuEX0031503	chr9	58803886	58805705	58805859	58826432	-
Neo1	MmuEX0031504	chr9	58728662	58732277	58732371	58736208	-
Neo1	MmuEX0031505	chr9	58747040	58749890	58749922	58750721	-
Nes	MmuEX0031506	chr3	87775910	87776914	87777038	87778724	+
Neurl3	MmuEX0031522	chr1	36326546	36327248	36327349	36330183	-
Neurl4	MmuEX0031523	chr11	69720684	69720926	69721004	69721339	+
Neurl4	MmuEX0031524	chr11	69721729	69721961	69722106	69722180	+
Neurl4	MmuEX0031525	chr11	69725356	69725431	69725596	69726629	+
Neurl4	MmuEX0031526	chr11	69725596	69726317	69726424	69726629	+
Neurl4	MmuEX0031527	chr11	69716954	69717156	69717221	69717367	+
Neurl4	MmuEX0031528	chr11	69720105	69720228	69720386	69720486	+
Neurl4	MmuEX0031529	chr11	69720684	69720766	69720842	69720926	+
Neurl4	MmuEX0031530	chr11	69723214	69723763	69723921	69724237	+
Neurl4	MmuEX0031531	chr11	69725596	69726017	69726055	69726629	+
Nexn	MmuEX0031532	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Nexn	MmuEX0031533	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Nexn	MmuEX0031534	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Nexn	MmuEX0031535	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Nexn	MmuEX0031536	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Nexn	MmuEX0031537	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Nf1	MmuEX0031538	chr11	79153561	79157396	79157447	79158335	+
Nf1	MmuEX0031539	chr11	79226260	79227743	79227772	79232054	+
Nf1	MmuEX0031540	chr11	79232185	79239015	79239149	79242080	+
Nf1	MmuEX0031541	chr11	79261167	79261627	79261838	79267305	+
Nf1	MmuEX0031542	chr11	79289385	79349105	79349537	79350295	+
Nf1	MmuEX0031543	chr11	79349537	79350295	79350635	79353832	+
Nf1	MmuEX0031544	chr11	79350635	79353832	79354034	79358856	+
Nf1	MmuEX0031545	chr11	79361384	79361976	79362037	79362176	+
Nf1	MmuEX0031546	chr11	79378448	79378923	79379053	79379422	+

Nf1	MmuEX0031547	chr11	79382294	79382626	79382672	79383733	+
Nf1	MmuEX0031548	chr11	79367499	79368983	79369114	79370201	+
Nf1	MmuEX0031549	chr11	79382672	79383733	79383949	79391756	+
Nf1	MmuEX0031550	chr11	79272408	79276735	79276797	79282219	+
Nf1	MmuEX0031551	chr11	79272408	79281616	79281656	79282219	+
Nf2	MmuEX0031552	chr11	4720496	4729319	4730124	4748875	-
Nf2	MmuEX0031553	chr11	4668276	4680581	4680625	4682190	-
Nf2	MmuEX0031554	chr11	4708328	4720371	4720496	4748875	-
Nf2	MmuEX0031555	chr11	4716168	4718508	4718630	4720371	-
Nf2	MmuEX0031556	chr11	4708328	4716085	4716168	4718508	-
Nf2	MmuEX0031557	chr11	4708328	4708699	4708837	4716085	-
Nf2	MmuEX0031558	chr11	4703756	4706257	4706339	4708260	-
Nf2	MmuEX0031559	chr11	4699998	4703681	4703756	4706257	-
Nf2	MmuEX0031560	chr11	4694920	4699864	4699998	4703681	-
Nfam1	MmuEX0031561	chr15	82840903	82845345	82845457	82846774	-
Nfat5	MmuEX0031575	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031576	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031578	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031579	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031580	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031581	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031582	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031583	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031584	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031585	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031586	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfat5	MmuEX0031587	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nfatc1	MmuEX0031588	chr18	80863899	80878898	80879057	80894294	-
Nfatc1	MmuEX0031589	chr18	80850300	80860034	80860174	80862021	-
Nfatc1	MmuEX0031590	chr18	80846703	80850245	80850300	80860034	-
Nfatc1	MmuEX0031591	chr18	80832815	80846571	80846703	80850245	-
Nfatc2	MmuEX0031592	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Nfatc2	MmuEX0031593	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Nfatc2ip	MmuEX0031594	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Nfatc2ip	MmuEX0031595	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Nfatc2ip	MmuEX0031596	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Nfatc3	MmuEX0031597	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nfatc3	MmuEX0031598	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nfatc3	MmuEX0031599	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nfatc3	MmuEX0031600	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nfatc4	MmuEX0031602	chr14	56450911	56451060	56451641	56452394	+
Nfatc4	MmuEX0031603	chr14	56448903	56449293	56449433	56450490	+
Nfatc4	MmuEX0031604	chr14	56449433	56450490	56450545	56450785	+
Nfe2l1	MmuEX0031605	chr11	96681830	96682565	96682723	96683418	-
Nfia	MmuEX0031607	chr4	97732137	97748416	97748507	97777909	+
Nfia	MmuEX0031608	chr4	97450304	97623065	97623130	97667083	+
Nfia	MmuEX0031609	chr4	97687645	97708242	97708370	97729704	+

Nfib	MmuEX0031610	chr4	81966460	81969449	81969614	81973633	-
Nfib	MmuEX0031611	chr4	81956295	81966378	81966460	81969449	-
Nfib	MmuEX0031612	chr4	81942715	81956207	81956295	81966378	-
Nfib	MmuEX0031613	chr4	82005704	82029512	82029565	82144142	-
Nfic	MmuEX0031614	chr10	80866173	80867569	80867753	80868834	-
Nfic	MmuEX0031615	chr10	80863816	80866097	80866173	80867569	-
Nfic	MmuEX0031616	chr10	80867753	80868834	80868959	80870300	-
Nfix	MmuEX0031617	chr8	87251866	87295683	87296214	87323897	-
Nfix	MmuEX0031618	chr8	87245717	87247627	87247749	87250368	-
Nfix	MmuEX0031619	chr8	87237756	87240040	87240187	87245542	-
Nfix	MmuEX0031620	chr8	87232576	87237665	87237756	87245542	-
Nfkb1	MmuEX0031621	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nfkb1	MmuEX0031622	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nfkb1	MmuEX0031623	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nfkb1	MmuEX0031624	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nfkb1	MmuEX0031625	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nfkb1	MmuEX0031626	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nfkb2	MmuEX0031627	chr19	46380854	46380976	46381016	46381261	+
Nfkbib	MmuEX0031628	chr7	29544223	29544846	29545115	29545196	-
Nfkbiz	MmuEX0031633	chr16	55814230	55814354	55814464	55815753	-
Nfrkb	MmuEX0031635	chr9	31196634	31199241	31199340	31199548	+
Nfrkb	MmuEX0031636	chr9	31208288	31208523	31208588	31209641	+
Nfrkb	MmuEX0031637	chr9	31210659	31211040	31211214	31213136	+
Nfrkb	MmuEX0031638	chr9	31217509	31217649	31217863	31217952	+
Nfrkb	MmuEX0031639	chr9	31217863	31217952	31218222	31218762	+
Nfrkb	MmuEX0031640	chr9	31204722	31205305	31205378	31206145	+
Nfrkb	MmuEX0031641	chr9	31204082	31204621	31204722	31205305	+
Nfs1	MmuEX0031642	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Nfs1	MmuEX0031643	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Nfu1	MmuEX0031644	chr6	86965695	86966170	86966388	86969359	+
Nfx1	MmuEX0031645	chr4	40951469	40951859	40951978	40956223	+
Nfx1	MmuEX0031646	chr4	40962466	40963110	40963183	40965005	+
Nfx1	MmuEX0031647	chr4	40965106	40965481	40965522	40968782	+
Nfx1	MmuEX0031648	chr4	40933803	40935655	40935760	40937826	+
Nfx1	MmuEX0031649	chr4	40938916	40940792	40940891	40940996	+
Nfxl1	MmuEX0031650	chr5	72905570	72907451	72907504	72908265	-
Nfxl1	MmuEX0031651	chr5	72941661	72943882	72943991	72947411	-
Nfxl1	MmuEX0031652	chr5	72932271	72941531	72941661	72943882	-
Nfxl1	MmuEX0031653	chr5	72931892	72932093	72932271	72941531	-
Nfxl1	MmuEX0031654	chr5	72920743	72924284	72924374	72928605	-
Nfxl1	MmuEX0031655	chr5	72930959	72931533	72931633	72931731	-
Nfya	MmuEX0031656	chr17	48530675	48531201	48531374	48531665	-
Nfya	MmuEX0031657	chr17	48535121	48538310	48538390	48539763	-
Nfyb	MmuEX0031658	chr10	82214210	82215152	82215349	82217710	-
Nfyb	MmuEX0031659	chr10	82215364	82217710	82217840	82219447	-
Nfyc	MmuEX0031660	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nfyc	MmuEX0031662	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-

Nfyc	MmuEX0031663	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Ngdn	MmuEX0031669	chr14	55642043	55642173	55642230	55642826	+
Ngdn	MmuEX0031670	chr14	55635065	55635903	55635974	55639891	+
Ngf	MmuEX0031673	chr3	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Ngf	MmuEX0031674	chr3	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Ngly1	MmuEX0031676	chr14	17093314	17102989	17103154	17110313	+
Ngly1	MmuEX0031677	chr14	17087270	17093078	17093314	17102989	+
Ngly1	MmuEX0031678	chr14	17103154	17110313	17110535	17113207	+
Ngly1	MmuEX0031679	chr14	17115987	17123285	17123449	17142828	+
Ngly1	MmuEX0031680	chr14	17115987	17127002	17127187	17142828	+
Nhej1	MmuEX0031694	chr1	75014342	75014743	75014849	75015369	-
Nhlrc2	MmuEX0031695	chr19	56626401	56644906	56645361	56649248	+
Nhlrc2	MmuEX0031696	chr19	56645361	56649248	56649369	56650645	+
Nhlrc2	MmuEX0031697	chr19	56650774	56662660	56662759	56666066	+
Nhlrc2	MmuEX0031698	chr19	56662759	56663784	56663910	56666054	+
Nhlrc3	MmuEX0031699	chr3	53260439	53262407	53262607	53265554	-
Nhlrc3	MmuEX0031700	chr3	53262607	53265554	53265701	53266234	-
Nhsl1	MmuEX0031703	chr10	18128320	18138522	18138600	18139051	+
Nhsl1	MmuEX0031704	chr10	18231548	18235835	18235966	18243597	+
Nid2	MmuEX0031710	chr14	20622440	20624520	20624649	20625065	+
Nid2	MmuEX0031711	chr14	20629325	20629940	20629991	20630176	+
Nif3l1	MmuEX0031712	chr1	58509059	58512441	58512579	58514624	+
Nif3l1	MmuEX0031713	chr1	58512579	58514624	58514707	58517985	+
Nif3l1	MmuEX0031714	chr1	58502478	58504478	58504881	58507231	+
Nin	MmuEX0031715	chr12	71122018	71126394	71126468	71127741	-
Nin	MmuEX0031716	chr12	71115943	71116711	71116768	71118560	-
Nin	MmuEX0031717	chr12	71179268	71191523	71191604	71203638	-
Nin	MmuEX0031718	chr12	71122018	71123268	71123328	71126367	-
Nin	MmuEX0031719	chr12	71141867	71143119	71145239	71146134	-
Ninl	MmuEX0031725	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Nip7	MmuEX0031733	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nipa1	MmuEX0031734	chr7	63251894	63252886	63252933	63274779	-
Nipa1	MmuEX0031735	chr7	63240934	63251804	63251894	63252886	-
Nipa2	MmuEX0031736	chr7	63200079	63216822	63216942	63217334	-
Nipa2	MmuEX0031737	chr7	63200079	63200329	63200455	63216822	-
Nipa2	MmuEX0031738	chr7	63193032	63199851	63200079	63216822	-
Nipa2	MmuEX0031739	chr7	63193032	63198350	63198406	63199851	-
Nipal3	MmuEX0031749	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nipal3	MmuEX0031750	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Nipbl	MmuEX0031752	chr15	8322196	8323960	8324102	8394125	-
Nipbl	MmuEX0031753	chr15	8289072	8293475	8293657	8300204	-
Nipbl	MmuEX0031754	chr15	8283088	8283581	8283732	8284850	-
Nipbl	MmuEX0031755	chr15	8275773	8276999	8277142	8277745	-
Nipbl	MmuEX0031756	chr15	8273750	8274248	8274350	8274445	-
Nipbl	MmuEX0031757	chr15	8257024	8257565	8257658	8257846	-
Nipbl	MmuEX0031758	chr15	8253566	8253708	8253935	8255849	-
Nipsnap3b	MmuEX0031764	chr4	53030079	53031466	53031471	53033054	+

Nipsnap3b	MmuEX0031765	chr4	53024919	53027887	53028097	53029921	+
Nipsnap3b	MmuEX0031766	chr4	53030079	53033054	53033203	53033983	+
Nisch	MmuEX0031767	chr14	31990898	31993022	31993071	31994008	-
Nisch	MmuEX0031768	chr14	32004734	32005767	32005815	32016413	-
Nisch	MmuEX0031769	chr14	32004277	32004607	32004734	32005767	-
Nisch	MmuEX0031770	chr14	31985784	31997355	31997583	31998128	-
Nisch	MmuEX0031771	chr14	31994135	31995685	31995826	31998128	-
Nisch	MmuEX0031772	chr14	31986929	31994008	31994135	31998128	-
Nisch	MmuEX0031773	chr14	31986378	31987442	31988072	31989516	-
Nisch	MmuEX0031774	chr14	31986378	31986773	31986929	31987442	-
Nisch	MmuEX0031775	chr14	32000904	32002917	32003012	32004182	-
Nisch	MmuEX0031776	chr14	32000904	32001825	32001980	32002917	-
Nisch	MmuEX0031777	chr14	31998611	32000836	32000904	32001825	-
Nisch	MmuEX0031778	chr14	32000327	32000371	32000430	32000836	-
Nisch	MmuEX0031779	chr14	31998611	32000245	32000327	32000836	-
Nit1	MmuEX0031780	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Nit1	MmuEX0031781	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Nit1	MmuEX0031782	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Nit1	MmuEX0031783	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Nit1	MmuEX0031784	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Nit2	MmuEX0031785	chr16	57160258	57161243	57161317	57161804	-
Nkain1	MmuEX0031786	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Nkiras1	MmuEX0031801	chr14	19103837	19109210	19109320	19110818	+
Nkiras1	MmuEX0031803	chr14	19103837	19109340	19109482	19110818	+
Nkiras1	MmuEX0031804	chr14	19109320	19110358	19110615	19110818	+
Nkiras2	MmuEX0031805	chr11	1E+08	1E+08	1E+08	1E+08	+
Nktr	MmuEX0031807	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031808	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031809	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031810	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031811	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031812	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031813	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031814	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031815	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nktr	MmuEX0031816	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Nlgn2	MmuEX0031823	chr11	69642016	69644065	69644115	69647484	-
Nlk	MmuEX0031827	chr11	78382477	78384973	78385066	78385735	-
Nlk	MmuEX0031828	chr11	78385933	78388343	78388429	78396825	-
Nlk	MmuEX0031829	chr11	78388429	78396825	78396926	78400371	-
Nlk	MmuEX0031830	chr11	78388429	78394217	78394300	78396825	-
Nln	MmuEX0031831	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031832	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031833	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031834	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031835	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031836	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-

Nln	MmuEX0031837	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031838	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031839	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nln	MmuEX0031840	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Nlrc3	MmuEX0031844	chr16	3952470	3952863	3952946	3953428	-
Nlrx1	MmuEX0031879	chr9	44072874	44073247	44073316	44073827	-
Nmd3	MmuEX0031885	chr3	69540011	69543842	69543959	69545431	+
Nmd3	MmuEX0031886	chr3	69534455	69535487	69535577	69538968	+
Nmd3	MmuEX0031887	chr3	69526044	69526331	69526388	69533260	+
Nmd3	MmuEX0031888	chr3	69526388	69528179	69528313	69533260	+
Nmd3	MmuEX0031889	chr3	69528313	69530283	69530379	69533260	+
Nme4	MmuEX0031890	chr17	26230674	26230804	26230905	26231082	-
Nme4	MmuEX0031891	chr17	26229097	26230562	26230674	26231082	-
Nme4	MmuEX0031892	chr17	26229097	26229452	26229502	26230562	-
Nme5	MmuEX0031893	chr18	34726808	34727482	34727617	34729452	-
Nme5	MmuEX0031895	chr18	34726808	34731110	34731315	34738212	-
Nme5	MmuEX0031896	chr18	34726808	34729452	34729552	34731110	-
Nme6	MmuEX0031897	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nme6	MmuEX0031898	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nme6	MmuEX0031899	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nme6	MmuEX0031900	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Nme7	MmuEX0031901	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Nme7	MmuEX0031902	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Nme7	MmuEX0031903	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Nme7	MmuEX0031904	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Nmi	MmuEX0031905	chr2	51804296	51805504	51805610	51807962	-
Nmi	MmuEX0031906	chr2	51816180	51828108	51828147	51828429	-
Nmnat3	MmuEX0031909	chr9	98197399	98254438	98254583	98299875	+
Nmnat3	MmuEX0031910	chr9	98254583	98299875	98300058	98303953	+
Nmnat3	MmuEX0031911	chr9	98304032	98310496	98310992	98320546	+
Nmral1	MmuEX0031912	chr16	4711680	4712295	4712551	4713640	-
Nmral1	MmuEX0031913	chr16	4714666	4715601	4715630	4716297	-
Nmt1	MmuEX0031914	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nmt2	MmuEX0031915	chr2	3201678	3206557	3206653	3222084	+
Nmt2	MmuEX0031916	chr2	3222219	3222669	3222711	3224255	+
Nmt2	MmuEX0031917	chr2	3222711	3224255	3224304	3226739	+
Nnt	MmuEX0031921	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031922	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031923	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031924	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031925	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031926	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031927	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031928	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031929	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031930	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031931	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-

Nnt	MmuEX0031932	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031933	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nnt	MmuEX0031934	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nob1	MmuEX0031935	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Nob1	MmuEX0031936	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Noc3l	MmuEX0031937	chr19	38869643	38869976	38870047	38870128	-
Noc4l	MmuEX0031938	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Noc4l	MmuEX0031939	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Noc4l	MmuEX0031940	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Nod1	MmuEX0031941	chr6	54884472	54887348	54887431	54888132	-
Nod1	MmuEX0031942	chr6	54880253	54883554	54883637	54884389	-
Nod1	MmuEX0031943	chr6	54887431	54888132	54888215	54889298	-
Nol10	MmuEX0031947	chr12	17362120	17363727	17363764	17364908	+
Nol10	MmuEX0031948	chr12	17369486	17375115	17375193	17380368	+
Nol10	MmuEX0031949	chr12	17369486	17376272	17376421	17380368	+
Nol11	MmuEX0031950	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nol11	MmuEX0031951	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nol11	MmuEX0031952	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nol11	MmuEX0031953	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nol11	MmuEX0031954	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Nol12	MmuEX0031955	chr15	78766124	78766239	78766329	78766909	+
Nol12	MmuEX0031956	chr15	78767612	78768238	78768380	78770496	+
Nol6	MmuEX0031962	chr4	41070408	41070492	41070692	41071192	-
Nol6	MmuEX0031963	chr4	41067672	41067757	41067815	41068040	-
Nol6	MmuEX0031964	chr4	41064525	41064693	41064845	41065123	-
Nol7	MmuEX0031965	chr13	43494938	43495962	43495990	43496222	+
Nol7	MmuEX0031966	chr13	43495990	43496222	43496303	43496666	+
Nol7	MmuEX0031967	chr13	43496303	43496666	43496787	43496869	+
Nol7	MmuEX0031968	chr13	43496787	43496869	43497244	43507803	+
Nol8	MmuEX0031969	chr13	49748766	49748898	49749051	49749716	+
Nol8	MmuEX0031970	chr13	49708041	49749720	49749871	49760748	+
Nol8	MmuEX0031971	chr13	49749871	49750542	49750604	49752044	+
Nol8	MmuEX0031972	chr13	49708041	49752044	49752122	49760748	+
Nol8	MmuEX0031973	chr13	49708041	49754065	49754200	49760748	+
Nol8	MmuEX0031974	chr13	49708041	49755319	49755387	49760748	+
Nol8	MmuEX0031975	chr13	49708041	49756327	49758144	49760748	+
Nol8	MmuEX0031976	chr13	49708041	49759423	49759536	49760748	+
Nol8	MmuEX0031977	chr13	49708041	49760097	49760219	49760748	+
Nol8	MmuEX0031978	chr13	49768192	49770755	49770881	49771691	+
Nol9	MmuEX0031979	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Nol9	MmuEX0031980	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Nol9	MmuEX0031981	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Nom1	MmuEX0031982	chr5	29762183	29762470	29762597	29764137	+
Nom1	MmuEX0031983	chr5	29773485	29774925	29775207	29776122	+
Nom1	MmuEX0031984	chr5	29762597	29762787	29762887	29764137	+
Nom1	MmuEX0031985	chr5	29764332	29766366	29766689	29767871	+
Nom1	MmuEX0031986	chr5	29773485	29776122	29776231	29777569	+

Nomo1	MmuEX0031987	chr7	53310046	53310950	53311057	53311965	+
Nomo1	MmuEX0031988	chr7	53293958	53296839	53296939	53297902	+
Nomo1	MmuEX0031989	chr7	53324168	53325293	53325406	53326145	+
Nop14	MmuEX0031990	chr5	34984131	34986575	34986728	34987362	-
Nop14	MmuEX0031991	chr5	34995067	34995656	34995730	34996532	-
Nop14	MmuEX0031992	chr5	34994530	34994945	34995067	34996532	-
Nop14	MmuEX0031993	chr5	34991126	34991986	34992116	34992975	-
Nop16	MmuEX0031994	chr13	54690028	54691024	54691132	54691222	-
Nop2	MmuEX0031995	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop2	MmuEX0031996	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop2	MmuEX0031997	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop2	MmuEX0031998	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop2	MmuEX0031999	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop2	MmuEX0032000	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop2	MmuEX0032001	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Nop56	MmuEX0032002	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Nop56	MmuEX0032003	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Nop58	MmuEX0032004	chr1	59742070	59745414	59745463	59747330	+
Nop58	MmuEX0032005	chr1	59742070	59747330	59747406	59749181	+
Nop58	MmuEX0032006	chr1	59763908	59765847	59765980	59767339	+
Nop58	MmuEX0032007	chr1	59765980	59767339	59767496	59768115	+
Nop58	MmuEX0032008	chr1	59749233	59749456	59749572	59752822	+
Nop58	MmuEX0032009	chr1	59755303	59757729	59757793	59759657	+
Nop58	MmuEX0032010	chr1	59759791	59759980	59760068	59760907	+
Nop58	MmuEX0032011	chr1	59759791	59760907	59761052	59761468	+
Nos1ap	MmuEX0032017	chr1	1.72E+08	1.72E+08	1.72E+08	1.73E+08	-
Nos1ap	MmuEX0032018	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Nos2	MmuEX0032019	chr11	78764760	78766305	78766512	78768397	+
Nos3	MmuEX0032020	chr5	23870819	23872578	23872680	23873016	+
Nos3	MmuEX0032021	chr5	23873461	23874637	23874728	23874808	+
Nos3	MmuEX0032022	chr5	23875755	23875839	23876013	23876208	+
Nosip	MmuEX0032023	chr7	52317901	52327943	52327978	52328860	+
Nosip	MmuEX0032024	chr7	52317901	52328860	52328934	52329352	+
Nosip	MmuEX0032025	chr7	52331598	52331680	52331798	52331922	+
Nostrin	MmuEX0032026	chr2	68990475	68994170	68994232	68994430	+
Nostrin	MmuEX0032027	chr2	69013662	69013760	69013885	69017442	+
Nostrin	MmuEX0032028	chr2	69021009	69021938	69022052	69023516	+
Notch1	MmuEX0032030	chr2	26332013	26332467	26332659	26333400	-
Notch1	MmuEX0032031	chr2	26329353	26329641	26329760	26331594	-
Notch1	MmuEX0032033	chr2	26325237	26325321	26325578	26325794	-
Notch1	MmuEX0032034	chr2	26322135	26323149	26323550	26323752	-
Notch1	MmuEX0032035	chr2	26320491	26320583	26320670	26320870	-
Notch1	MmuEX0032036	chr2	26319525	26320326	26320491	26320583	-
Notch1	MmuEX0032037	chr2	26318009	26319230	26319525	26320326	-
Notch1	MmuEX0032038	chr2	26310484	26317668	26318009	26319230	-
Notch1	MmuEX0032039	chr2	26335899	26336494	26336727	26337091	-
Notch1	MmuEX0032040	chr2	26327792	26328304	26328532	26329201	-

Notch2	MmuEX0032044	chr3	97926028	97927668	97927821	97928072	+
Notch2	MmuEX0032045	chr3	97875042	97876510	97876845	97885840	+
Notch2	MmuEX0032046	chr3	97927821	97928072	97928256	97930035	+
Notch2	MmuEX0032047	chr3	97938594	97939249	97939754	97941198	+
Notch2	MmuEX0032048	chr3	97876845	97881474	97882030	97885840	+
Notch2	MmuEX0032049	chr3	97902252	97903347	97903502	97904123	+
Notch2	MmuEX0032050	chr3	97817694	97851651	97851732	97874783	+
Notch3	MmuEX0032052	chr17	32287075	32287548	32287661	32288231	-
Notch3	MmuEX0032053	chr17	32281779	32283352	32283536	32283926	-
Notch3	MmuEX0032054	chr17	32281569	32281647	32281779	32283352	-
Notch3	MmuEX0032055	chr17	32274845	32276076	32276298	32276590	-
Notch3	MmuEX0032056	chr17	32272492	32274761	32274845	32276076	-
Notch3	MmuEX0032057	chr17	32269294	32270333	32270637	32272330	-
Notch3	MmuEX0032058	chr17	32293352	32294836	32295069	32295156	-
Notch3	MmuEX0032059	chr17	32290931	32291259	32291372	32291683	-
Notch3	MmuEX0032061	chr17	32287661	32288461	32288653	32290470	-
Notch3	MmuEX0032062	chr17	32287661	32288231	32288382	32288461	-
Notch4	MmuEX0032063	chr17	34709554	34709623	34709745	34710694	+
Notch4	MmuEX0032064	chr17	34713801	34714363	34714513	34714893	+
Notch4	MmuEX0032065	chr17	34719867	34720295	34720678	34720774	+
Notch4	MmuEX0032066	chr17	34723619	34724062	34724159	34724319	+
Notch4	MmuEX0032067	chr17	34705817	34706980	34707174	34708682	+
Notch4	MmuEX0032068	chr17	34705817	34706303	34706399	34706980	+
Notch4	MmuEX0032069	chr17	34701454	34702246	34702327	34702418	+
Notch4	MmuEX0032070	chr17	34707174	34708682	34708795	34709441	+
Notch4	MmuEX0032071	chr17	34710853	34712008	34712153	34712352	+
Notch4	MmuEX0032072	chr17	34715077	34715549	34715662	34717865	+
Nova1	MmuEX0032079	chr12	47801960	47814485	47814556	47821677	-
Nova2	MmuEX0032080	chr7	19511753	19527565	19527708	19535802	+
Nova2	MmuEX0032081	chr7	19527708	19535802	19535968	19542885	+
Noxo1	MmuEX0032092	chr17	24835543	24835890	24836067	24836214	+
Noxo1	MmuEX0032093	chr17	24835543	24836214	24836395	24837066	+
Npas2	MmuEX0032100	chr1	39395044	39402114	39402311	39404336	+
Npat	MmuEX0032114	chr9	53375129	53377992	53378052	53378152	+
Npat	MmuEX0032115	chr9	53353391	53357015	53357075	53358143	+
Npat	MmuEX0032116	chr9	53359743	53360355	53360579	53361990	+
Npat	MmuEX0032117	chr9	53345293	53353273	53353391	53357015	+
Npat	MmuEX0032118	chr9	53358215	53359703	53359743	53360355	+
Npat	MmuEX0032119	chr9	53366326	53367187	53367312	53370147	+
Npat	MmuEX0032120	chr9	53367312	53370147	53371781	53374822	+
Npc1	MmuEX0032121	chr18	12358235	12359287	12359401	12360073	-
Npc1	MmuEX0032122	chr18	12355806	12356468	12356658	12357017	-
Npc1	MmuEX0032123	chr18	12353718	12353843	12353933	12354993	-
Npc1	MmuEX0032124	chr18	12373007	12377687	12377862	12380315	-
Npdc1	MmuEX0032130	chr2	25261881	25262992	25263062	25263116	+
Npepl1	MmuEX0032131	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Npepl1	MmuEX0032132	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+

Npepl1	MmuEX0032133	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Npepps	MmuEX0032134	chr11	97109637	97119588	97119665	97128909	-
Npepps	MmuEX0032135	chr11	97104117	97105742	97105849	97109516	-
Npepps	MmuEX0032136	chr11	97097535	97099408	97099572	97102243	-
Npepps	MmuEX0032137	chr11	97109637	97111942	97112057	97119588	-
Npepps	MmuEX0032138	chr11	97119665	97125210	97125340	97128909	-
Nphp1	MmuEX0032139	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032140	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032141	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032142	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032143	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032144	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032145	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032146	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032147	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032148	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032149	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032150	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032151	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032152	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032153	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nphp1	MmuEX0032154	chr2	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Nploc4	MmuEX0032186	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032187	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032188	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032189	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032190	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032191	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032192	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032193	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Nploc4	MmuEX0032194	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Npm1	MmuEX0032196	chr11	33057048	33058909	33058911	33059934	-
Nppb	MmuEX0032201	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Npr1	MmuEX0032202	chr3	90267170	90267733	90267932	90268717	-
Npr1	MmuEX0032203	chr3	90266625	90267057	90267170	90267733	-
Npr1	MmuEX0032204	chr3	90260231	90260831	90260999	90261243	-
Npr1	MmuEX0032205	chr3	90258838	90259014	90259188	90259623	-
Npr1	MmuEX0032206	chr3	90265096	90265287	90265422	90266088	-
Npr1	MmuEX0032207	chr3	90263044	90263245	90263319	90263855	-
Npr1	MmuEX0032208	chr3	90262150	90262244	90262315	90262554	-
Npr1	MmuEX0032209	chr3	90263417	90263855	90263975	90265012	-
Npr2	MmuEX0032210	chr4	43653885	43654066	43654198	43654421	+
Npr2	MmuEX0032211	chr4	43654198	43654421	43654505	43655926	+
Npr2	MmuEX0032212	chr4	43654505	43655926	43656046	43656207	+
Npr2	MmuEX0032213	chr4	43656046	43656207	43656281	43656478	+
Nprl2	MmuEX0032218	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Nprl2	MmuEX0032219	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+

Nprl3	MmuEX0032220	chr11	32139953	32141798	32141935	32148145	-
Nprl3	MmuEX0032221	chr11	32148226	32150125	32150278	32153875	-
Nprl3	MmuEX0032222	chr11	32155568	32159217	32159255	32163025	-
Nprl3	MmuEX0032223	chr11	32153949	32155439	32155568	32163025	-
Nprl3	MmuEX0032224	chr11	32137406	32138989	32139290	32139797	-
Nprl3	MmuEX0032225	chr11	32134921	32136788	32136917	32137300	-
Nptn	MmuEX0032229	chr9	58430333	58466470	58466817	58471494	+
Nptn	MmuEX0032230	chr9	58475735	58488476	58488609	58491336	+
Nptn	MmuEX0032231	chr9	58491609	58491909	58492001	58498304	+
Nptn	MmuEX0032232	chr9	58430333	58475641	58475735	58488476	+
Nptn	MmuEX0032233	chr9	58488609	58491336	58491491	58498304	+
Nqo1	MmuEX0032239	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Nqo1	MmuEX0032240	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Nqo1	MmuEX0032241	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Nqo2	MmuEX0032242	chr13	34056669	34057914	34057995	34060059	+
Nqo2	MmuEX0032243	chr13	34056669	34060059	34060146	34064181	+
Nqo2	MmuEX0032244	chr13	34071531	34073294	34073407	34077185	+
Nqo2	MmuEX0032245	chr13	34071531	34074317	34074418	34077185	+
Nr1d1	MmuEX0032246	chr11	98632658	98632751	98632839	98633107	-
Nr1d1	MmuEX0032247	chr11	98631202	98631502	98632145	98632514	-
Nr1d2	MmuEX0032248	chr14	19054767	19062954	19063033	19071325	-
Nr1d2	MmuEX0032249	chr14	19044478	19054501	19054767	19071325	-
Nr1d2	MmuEX0032250	chr14	19049308	19052482	19052570	19054501	-
Nr1d2	MmuEX0032251	chr14	19044478	19049164	19049308	19071325	-
Nr1d2	MmuEX0032252	chr14	19044478	19047388	19048007	19071325	-
Nr1h2	MmuEX0032253	chr7	51808124	51808949	51809078	51809179	-
Nr1h2	MmuEX0032254	chr7	51807990	51808067	51808124	51808949	-
Nr1h3	MmuEX0032255	chr2	91024906	91025099	91025212	91030342	-
Nr1h3	MmuEX0032256	chr2	91030441	91030619	91030798	91030896	-
Nr1h3	MmuEX0032257	chr2	91032212	91032717	91032899	91033774	-
Nr2c1	MmuEX0032264	chr10	93651033	93653364	93653501	93655580	+
Nr2c1	MmuEX0032265	chr10	93653501	93655580	93655685	93657922	+
Nr2c1	MmuEX0032266	chr10	93625189	93626474	93626552	93628163	+
Nr2c1	MmuEX0032267	chr10	93634882	93644239	93644360	93650894	+
Nr2c2	MmuEX0032268	chr6	92106713	92107400	92107493	92108324	+
Nr2c2	MmuEX0032269	chr6	92107493	92108324	92108457	92109206	+
Nr2c2	MmuEX0032270	chr6	92102411	92102924	92102997	92104329	+
Nr2c2	MmuEX0032271	chr6	92099798	92102309	92102411	92104329	+
Nr2c2	MmuEX0032272	chr6	92041736	92055276	92055359	92088981	+
Nr2c2	MmuEX0032273	chr6	92041736	92088981	92089020	92089774	+
Nr2c2ap	MmuEX0032274	chr8	72655907	72656311	72656416	72656486	+
Nr2f6	MmuEX0032277	chr8	73898653	73899402	73899467	73899648	-
Nr2f6	MmuEX0032278	chr8	73900172	73902288	73902382	73904890	-
Nr4a3	MmuEX0032285	chr4	48069578	48080535	48080734	48083862	+
Nrap	MmuEX0032291	chr19	56447404	56448854	56448958	56452545	-
Nrap	MmuEX0032292	chr19	56463326	56463880	56463974	56464296	-
Nrap	MmuEX0032293	chr19	56403590	56410972	56411076	56412527	-

Nrap	MmuEX0032294	chr19	56403089	56403486	56403590	56409516	-
Nrap	MmuEX0032295	chr19	56426233	56429972	56430076	56431781	-
Nrap	MmuEX0032296	chr19	56426233	56428610	56428717	56429972	-
Nras	MmuEX0032297	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nras	MmuEX0032298	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nras	MmuEX0032299	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Nrbp1	MmuEX0032300	chr5	31543375	31546136	31546205	31546291	+
Nrbp1	MmuEX0032301	chr5	31546661	31546831	31546932	31547250	+
Nrbp1	MmuEX0032302	chr5	31548218	31548695	31548718	31549715	+
Nrbp2	MmuEX0032303	chr15	75919427	75919534	75919688	75919867	-
Nrbp2	MmuEX0032304	chr15	75919182	75919295	75919427	75919867	-
Nrd1	MmuEX0032317	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032318	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032319	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032320	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032321	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032322	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032323	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032324	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrd1	MmuEX0032325	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Nrf1	MmuEX0032326	chr6	29998113	30038833	30038988	30039912	+
Nrf1	MmuEX0032327	chr6	30040146	30040269	30040304	30045340	+
Nrf1	MmuEX0032328	chr6	30076359	30090216	30090271	30101514	+
Nrip1	MmuEX0032355	chr16	76331109	76352717	76352791	76373117	-
Nrip1	MmuEX0032356	chr16	76295260	76330991	76331109	76352717	-
Nrm	MmuEX0032359	chr17	35998462	36000384	36000580	36001057	+
Nrm	MmuEX0032360	chr17	35998462	36001057	36001233	36001456	+
Nrp1	MmuEX0032361	chr8	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Nrp1	MmuEX0032362	chr8	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Nrp1	MmuEX0032363	chr8	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Nrp1	MmuEX0032364	chr8	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Nrp2	MmuEX0032365	chr1	62832890	62859108	62859158	62861907	+
Nsd1	MmuEX0032402	chr13	55335391	55336871	55336980	55340051	+
Nsd1	MmuEX0032403	chr13	55349438	55361705	55361829	55362905	+
Nsd1	MmuEX0032404	chr13	55364803	55365752	55365800	55369809	+
Nsd1	MmuEX0032405	chr13	55391616	55392492	55392671	55394919	+
Nsd1	MmuEX0032406	chr13	55392671	55394919	55395075	55397348	+
Nsd1	MmuEX0032407	chr13	55401321	55403088	55403204	55404200	+
Nsd1	MmuEX0032408	chr13	55403204	55404200	55404341	55408297	+
Nsd1	MmuEX0032409	chr13	55378002	55378635	55378788	55378893	+
Nsd1	MmuEX0032410	chr13	55395075	55397348	55397553	55399925	+
Nsd1	MmuEX0032411	chr13	55411902	55413307	55413344	55413480	+
Nsd1	MmuEX0032412	chr13	55315511	55335256	55335391	55340051	+
Nsdhl	MmuEX0032413	chrX	70164032	70167109	70167222	70171633	+
Nsdhl	MmuEX0032414	chrX	70164032	70170045	70170501	70171633	+
Nsdhl	MmuEX0032415	chrX	70164032	70171633	70171749	70174963	+
Nsdhl	MmuEX0032416	chrX	70194650	70198182	70198310	70200411	+

Nsf	MmuEX0032417	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nsf	MmuEX0032418	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nsf	MmuEX0032419	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nsf	MmuEX0032420	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nsf	MmuEX0032421	chr11	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Nsmaf	MmuEX0032429	chr4	6368136	6380634	6380720	6381132	-
Nsmaf	MmuEX0032430	chr4	6365268	6368047	6368136	6381132	-
Nsmaf	MmuEX0032431	chr4	6359879	6359977	6360024	6360410	-
Nsmaf	MmuEX0032432	chr4	6353620	6355539	6355668	6359827	-
Nsmaf	MmuEX0032433	chr4	6348283	6350469	6350645	6352026	-
Nsmaf	MmuEX0032434	chr4	6347074	6347197	6347287	6348204	-
Nsmaf	MmuEX0032435	chr4	6345670	6346582	6346633	6347011	-
Nsmaf	MmuEX0032436	chr4	6326106	6328395	6328415	6333934	-
Nsmaf	MmuEX0032437	chr4	6360481	6362204	6362254	6364889	-
Nsmaf	MmuEX0032438	chr4	6345670	6347011	6347074	6347197	-
Nsmaf	MmuEX0032439	chr4	6352134	6353549	6353620	6355539	-
Nsmce1	MmuEX0032440	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Nsmce1	MmuEX0032441	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Nsmce1	MmuEX0032442	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Nsmce2	MmuEX0032443	chr15	59247686	59286868	59287021	59423252	+
Nsmce2	MmuEX0032444	chr15	59287021	59328335	59328409	59423252	+
Nsmce2	MmuEX0032445	chr15	59205910	59210423	59210593	59247580	+
Nsmce2	MmuEX0032446	chr15	59205910	59247580	59247686	59286868	+
Nsmce2	MmuEX0032447	chr15	59287021	59423252	59423352	59432895	+
Nsmce2	MmuEX0032448	chr15	59423352	59423693	59423799	59432895	+
Nsmce4a	MmuEX0032449	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Nsmce4a	MmuEX0032450	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Nsun2	MmuEX0032451	chr13	69762171	69765356	69765429	69765914	+
Nsun2	MmuEX0032452	chr13	69768972	69769506	69769641	69770113	+
Nsun3	MmuEX0032453	chr16	62776457	62785614	62785723	62786103	-
Nsun3	MmuEX0032454	chr16	62770638	62776114	62776209	62785614	-
Nsun3	MmuEX0032455	chr16	62770638	62771525	62771562	62776114	-
Nsun4	MmuEX0032456	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nsun4	MmuEX0032457	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nsun4	MmuEX0032458	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Nsun5	MmuEX0032459	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Nsun5	MmuEX0032460	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Nsun5	MmuEX0032461	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Nsun6	MmuEX0032462	chr2	14951775	14955102	14955184	14957902	-
Nsun6	MmuEX0032463	chr2	14934911	14951656	14951775	14957902	-
Nsun6	MmuEX0032464	chr2	14963933	14964391	14964494	14968775	-
Nsun6	MmuEX0032465	chr2	14931185	14934767	14934911	14951656	-
Nsun6	MmuEX0032466	chr2	14959854	14961360	14961469	14963854	-
Nsun6	MmuEX0032467	chr2	14968930	14970622	14970844	14976292	-
Nt5c	MmuEX0032475	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Nt5c2	MmuEX0032479	chr19	46967102	46968009	46968050	46969011	-
Nt5c2	MmuEX0032480	chr19	46966791	46966995	46967102	46968009	-

Nt5c2	MmuEX0032481	chr19	46964619	46964736	46964787	46965999	-
Nt5c2	MmuEX0032482	chr19	46968050	46969011	46969094	46970998	-
Nt5c2	MmuEX0032483	chr19	46979582	46998752	46998825	47025336	-
Nt5c2	MmuEX0032484	chr19	46979582	46983980	46984038	46998752	-
Nt5c2	MmuEX0032485	chr19	46978463	46979465	46979582	47025336	-
Nt5c2	MmuEX0032486	chr19	46972159	46972818	46973011	46973112	-
Nt5c3	MmuEX0032487	chr6	56847823	56873061	56873106	56873666	-
Nt5c3	MmuEX0032488	chr6	56833052	56833669	56833869	56834703	-
Nt5c3	MmuEX0032489	chr6	56842882	56847769	56847823	56863800	-
Nt5c3l	MmuEX0032491	chr11	1E+08	1E+08	1E+08	1E+08	-
Nt5c3l	MmuEX0032492	chr11	1E+08	1E+08	1E+08	1E+08	-
Nt5c3l	MmuEX0032493	chr11	1E+08	1E+08	1E+08	1E+08	-
Nt5dc1	MmuEX0032494	chr10	34024785	34030107	34030275	34033395	-
Nt5dc1	MmuEX0032495	chr10	34123593	34126352	34126491	34127341	-
Nt5dc1	MmuEX0032496	chr10	34044268	34117920	34118001	34119544	-
Nt5dc1	MmuEX0032497	chr10	34119623	34123457	34123593	34127341	-
Nt5dc2	MmuEX0032498	chr14	31948290	31948524	31948579	31948680	+
Nt5dc2	MmuEX0032499	chr14	31949000	31949104	31949164	31949251	+
Nt5dc3	MmuEX0032500	chr10	86274349	86275070	86275125	86278599	+
Nt5dc3	MmuEX0032501	chr10	86283515	86283655	86283756	86285809	+
Nt5e	MmuEX0032502	chr9	88222868	88247101	88247323	88250425	+
Nt5m	MmuEX0032503	chr11	59661874	59666293	59666393	59674252	+
Nt5m	MmuEX0032504	chr11	59666393	59666592	59666821	59674252	+
Nt5m	MmuEX0032505	chr11	59672115	59673962	59674151	59674252	+
Nt5m	MmuEX0032506	chr11	59674312	59687784	59687866	59688055	+
Nt5m	MmuEX0032507	chr11	59666393	59674252	59674312	59688055	+
Ntan1	MmuEX0032508	chr16	13832527	13834774	13834887	13835228	+
Ntan1	MmuEX0032509	chr16	13827589	13829098	13829171	13831211	+
Ntan1	MmuEX0032510	chr16	13831753	13832203	13832265	13832430	+
Ntan1	MmuEX0032511	chr16	13829171	13831211	13831264	13831700	+
Ntan1	MmuEX0032512	chr16	13819529	13826976	13827078	13827153	+
Ntan1	MmuEX0032513	chr16	13819529	13827153	13827218	13827481	+
Ntf3	MmuEX0032514	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nthl1	MmuEX0032515	chr17	24771110	24771670	24771840	24772533	+
Ntn1	MmuEX0032521	chr11	68040112	68070957	68071010	68073999	-
Ntn4	MmuEX0032522	chr10	93107745	93145163	93145441	93170023	+
Ntn4	MmuEX0032523	chr10	93197033	93201629	93201697	93203796	+
Ntng2	MmuEX0032536	chr2	29052669	29053552	29053722	29054334	-
Ntng2	MmuEX0032538	chr2	29060444	29062938	29063110	29083098	-
Ntng2	MmuEX0032539	chr2	29052669	29060418	29060444	29062912	-
Ntng2	MmuEX0032540	chr2	29052669	29059391	29059528	29060418	-
Ntng2	MmuEX0032541	chr2	29052669	29056394	29056468	29059391	-
Ntng2	MmuEX0032542	chr2	29052669	29054334	29054435	29056394	-
Ntpcr	MmuEX0032543	chr8	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ntpcr	MmuEX0032544	chr8	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Ntpcr	MmuEX0032545	chr8	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Nuak1	MmuEX0032558	chr10	83872481	83880421	83880552	83902860	-

Nuak1	MmuEX0032559	chr10	83855066	83856737	83856888	83872361	-
Nuak1	MmuEX0032560	chr10	83843611	83855001	83855066	83856737	-
Nuak1	MmuEX0032561	chr10	83838132	83840837	83840969	83843492	-
Nuak1	MmuEX0032562	chr10	83856888	83872361	83872481	83902860	-
Nuak2	MmuEX0032564	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Nuak2	MmuEX0032565	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Nuak2	MmuEX0032566	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Nub1	MmuEX0032567	chr5	24203005	24203150	24203241	24204483	+
Nub1	MmuEX0032568	chr5	24207351	24208195	24208302	24209237	+
Nub1	MmuEX0032569	chr5	24213681	24214501	24214678	24214807	+
Nub1	MmuEX0032570	chr5	24198792	24200518	24200579	24201338	+
Nub1	MmuEX0032571	chr5	24191840	24195211	24195328	24198625	+
Nubp1	MmuEX0032572	chr16	10419778	10420349	10420439	10421067	+
Nubp1	MmuEX0032573	chr16	10421221	10421320	10421430	10421670	+
Nubp2	MmuEX0032574	chr17	25021180	25022664	25022782	25023224	-
Nubp2	MmuEX0032575	chr17	25021531	25022364	25022562	25022664	-
Nubp2	MmuEX0032576	chr17	25020820	25021346	25021428	25022364	-
Nubp2	MmuEX0032577	chr17	25020820	25021070	25021180	25021346	-
Nubpl	MmuEX0032578	chr12	53201488	53244956	53245046	53282079	+
Nubpl	MmuEX0032579	chr12	53282294	53342264	53342426	53372026	+
Nubpl	MmuEX0032580	chr12	53372119	53387325	53387410	53403668	+
Nucb1	MmuEX0032582	chr7	52757085	52758548	52758655	52765076	-
Nucb2	MmuEX0032584	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Nucb2	MmuEX0032585	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Nucb2	MmuEX0032586	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Nucb2	MmuEX0032587	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Nucks1	MmuEX0032588	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Nudc	MmuEX0032589	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Nudcd1	MmuEX0032590	chr15	44237538	44252265	44252419	44259208	-
Nudcd1	MmuEX0032591	chr15	44211765	44213048	44213287	44220015	-
Nudcd1	MmuEX0032592	chr15	44228201	44231566	44231770	44232828	-
Nudcd3	MmuEX0032593	chr11	6094142	6099192	6099756	6099946	-
Nudcd3	MmuEX0032594	chr11	6013434	6019370	6019525	6025421	-
Nudcd3	MmuEX0032595	chr11	6006149	6008120	6008358	6013246	-
Nudcd3	MmuEX0032596	chr11	6013434	6025421	6025564	6050498	-
Nudt1	MmuEX0032597	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Nudt1	MmuEX0032598	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Nudt1	MmuEX0032599	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Nudt13	MmuEX0032601	chr14	21114014	21123175	21123314	21125454	+
Nudt13	MmuEX0032602	chr14	21127021	21127133	21127244	21128894	+
Nudt13	MmuEX0032603	chr14	21129955	21130327	21130377	21130693	+
Nudt13	MmuEX0032604	chr14	21114014	21114310	21114431	21119809	+
Nudt13	MmuEX0032605	chr14	21114014	21116737	21116853	21119809	+
Nudt13	MmuEX0032606	chr14	21114014	21119809	21119901	21123175	+
Nudt13	MmuEX0032607	chr14	21125588	21126455	21126586	21126915	+
Nudt13	MmuEX0032608	chr14	21129019	21129857	21129955	21130693	+
Nudt14	MmuEX0032609	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-

Nudt14	MmuEX0032610	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Nudt17	MmuEX0032611	chr3	96511573	96511733	96511809	96511915	-
Nudt18	MmuEX0032612	chr14	70977917	70978186	70978314	70978719	+
Nudt19	MmuEX0032613	chr7	36333142	36336473	36336561	36340173	-
Nudt2	MmuEX0032614	chr4	41413544	41420670	41420866	41424547	+
Nudt2	MmuEX0032615	chr4	41412213	41413496	41413544	41424547	+
Nudt2	MmuEX0032616	chr4	41412213	41416804	41416920	41424547	+
Nudt22	MmuEX0032619	chr19	7068249	7069161	7069259	7069732	-
Nudt22	MmuEX0032620	chr19	7068016	7068152	7068249	7069161	-
Nudt3	MmuEX0032621	chr17	27720201	27733669	27733779	27760032	-
Nudt4	MmuEX0032622	chr10	95014127	95015120	95015230	95026296	-
Nudt5	MmuEX0032624	chr2	5785494	5787279	5787287	5787400	+
Nudt5	MmuEX0032625	chr2	5777093	5782073	5782122	5783347	+
Nudt5	MmuEX0032626	chr2	5766431	5769167	5769236	5775862	+
Nudt5	MmuEX0032627	chr2	5766431	5774559	5774662	5775862	+
Nudt6	MmuEX0032628	chr3	37308484	37315623	37315826	37318745	-
Nudt6	MmuEX0032629	chr3	37311337	37314573	37314614	37315623	-
Nudt6	MmuEX0032630	chr3	37308484	37311282	37311337	37315623	-
Nudt6	MmuEX0032631	chr3	37304416	37308430	37308484	37311282	-
Nudt7	MmuEX0032632	chr8	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Nudt7	MmuEX0032633	chr8	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Nudt8	MmuEX0032634	chr19	4000847	4001196	4001328	4001628	+
Nudt9	MmuEX0032635	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nudt9	MmuEX0032636	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Nufip1	MmuEX0032639	chr14	76515667	76520093	76520270	76524293	+
Nufip2	MmuEX0032640	chr11	77500009	77501789	77501833	77505044	+
Numa1	MmuEX0032641	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Numa1	MmuEX0032642	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Numa1	MmuEX0032643	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Numa1	MmuEX0032644	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Numa1	MmuEX0032645	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Numb	MmuEX0032646	chr12	85137104	85138147	85138293	85140458	-
Numb	MmuEX0032647	chr12	85183308	85196390	85196474	85217618	-
Numb	MmuEX0032648	chr12	85152310	85166209	85166241	85172872	-
Numb1	MmuEX0032649	chr7	28053938	28058974	28059163	28061646	+
Numb1	MmuEX0032651	chr7	28051648	28051746	28051820	28053798	+
Numb1	MmuEX0032652	chr7	28051820	28053798	28053938	28058974	+
Nup107	MmuEX0032653	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032655	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032656	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032657	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032658	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032659	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032660	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032661	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032662	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032663	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-

Nup107	MmuEX0032664	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup107	MmuEX0032665	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Nup133	MmuEX0032666	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032667	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032668	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032669	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032670	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032671	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032672	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032673	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032674	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup133	MmuEX0032675	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Nup153	MmuEX0032676	chr13	46812692	46821905	46821999	46822729	-
Nup153	MmuEX0032677	chr13	46797107	46799556	46799589	46800009	-
Nup153	MmuEX0032678	chr13	46796456	46796973	46797107	46800009	-
Nup153	MmuEX0032679	chr13	46795102	46796358	46796456	46796973	-
Nup153	MmuEX0032680	chr13	46805051	46805135	46805179	46805281	-
Nup153	MmuEX0032681	chr13	46778638	46779252	46779605	46781992	-
Nup153	MmuEX0032682	chr13	46782867	46784428	46784619	46788881	-
Nup153	MmuEX0032683	chr13	46800584	46803116	46803262	46804998	-
Nup155	MmuEX0032684	chr15	8072208	8074223	8074323	8078408	+
Nup155	MmuEX0032685	chr15	8086699	8087854	8087969	8089851	+
Nup155	MmuEX0032686	chr15	8087969	8089851	8089948	8091229	+
Nup155	MmuEX0032687	chr15	8089948	8091229	8091359	8092968	+
Nup155	MmuEX0032688	chr15	8065549	8066430	8066522	8067234	+
Nup155	MmuEX0032689	chr15	8103236	8103465	8103534	8103640	+
Nup155	MmuEX0032690	chr15	8103236	8103640	8103750	8104916	+
Nup155	MmuEX0032691	chr15	8069252	8069924	8070044	8070434	+
Nup155	MmuEX0032692	chr15	8069252	8070434	8070525	8071463	+
Nup155	MmuEX0032693	chr15	8070525	8071463	8071560	8072056	+
Nup155	MmuEX0032694	chr15	8101826	8103116	8103236	8103640	+
Nup155	MmuEX0032695	chr15	8093159	8093776	8093919	8094051	+
Nup155	MmuEX0032696	chr15	8093159	8094051	8094189	8095488	+
Nup155	MmuEX0032697	chr15	8094189	8095488	8095623	8097143	+
Nup160	MmuEX0032698	chr2	90533287	90533989	90534086	90536797	+
Nup160	MmuEX0032699	chr2	90540740	90542170	90542269	90542538	+
Nup160	MmuEX0032700	chr2	90520040	90521509	90521683	90524079	+
Nup160	MmuEX0032701	chr2	90543343	90543968	90544128	90547080	+
Nup160	MmuEX0032702	chr2	90563604	90563769	90563892	90565759	+
Nup160	MmuEX0032703	chr2	90525352	90527451	90527529	90529263	+
Nup160	MmuEX0032704	chr2	90544128	90547080	90547213	90552102	+
Nup160	MmuEX0032705	chr2	90544128	90548290	90548360	90552102	+
Nup160	MmuEX0032706	chr2	90544128	90548980	90549139	90552102	+
Nup160	MmuEX0032707	chr2	90544128	90550190	90550259	90552102	+
Nup188	MmuEX0032708	chr2	30159921	30163041	30163252	30164739	+
Nup188	MmuEX0032709	chr2	30165598	30168120	30168209	30170636	+
Nup188	MmuEX0032710	chr2	30178093	30178191	30178267	30179040	+

Nup188	MmuEX0032711	chr2	30184933	30185727	30185878	30186077	+
Nup188	MmuEX0032712	chr2	30157565	30159180	30159433	30159577	+
Nup188	MmuEX0032713	chr2	30152222	30153936	30154009	30156320	+
Nup188	MmuEX0032714	chr2	30182098	30182968	30183107	30184827	+
Nup205	MmuEX0032715	chr6	35142038	35144405	35144580	35146434	+
Nup205	MmuEX0032716	chr6	35146856	35148836	35148986	35149854	+
Nup205	MmuEX0032717	chr6	35152168	35153963	35154013	35155325	+
Nup205	MmuEX0032718	chr6	35154013	35154695	35154727	35155325	+
Nup205	MmuEX0032719	chr6	35161017	35162727	35162847	35164318	+
Nup205	MmuEX0032720	chr6	35174679	35175184	35175264	35175790	+
Nup205	MmuEX0032721	chr6	35136604	35138300	35138409	35138624	+
Nup205	MmuEX0032722	chr6	35136604	35138624	35138768	35139096	+
Nup205	MmuEX0032723	chr6	35191137	35191319	35191448	35193819	+
Nup205	MmuEX0032724	chr6	35191448	35192376	35192453	35193819	+
Nup205	MmuEX0032725	chr6	35191448	35193819	35193985	35194697	+
Nup205	MmuEX0032726	chr6	35194820	35194887	35194947	35195248	+
Nup205	MmuEX0032727	chr6	35195376	35196022	35196080	35197261	+
Nup205	MmuEX0032728	chr6	35138768	35139096	35139255	35139855	+
Nup205	MmuEX0032729	chr6	35139255	35139855	35140083	35141874	+
Nup205	MmuEX0032731	chr6	35195376	35195505	35195579	35196022	+
Nup210	MmuEX0032733	chr6	90980252	90981616	90981707	90984718	-
Nup210	MmuEX0032735	chr6	90975352	90976753	90976973	90978720	-
Nup210	MmuEX0032736	chr6	90971514	90975216	90975352	90976753	-
Nup210	MmuEX0032737	chr6	90966075	90967326	90967542	90968731	-
Nup210	MmuEX0032738	chr6	90964490	90965818	90965901	90965980	-
Nup210	MmuEX0032740	chr6	90990720	90990842	90990904	90992249	-
Nup210	MmuEX0032741	chr6	91003467	91003559	91003663	91004384	-
Nup214	MmuEX0032767	chr2	31830128	31831827	31831919	31832020	+
Nup214	MmuEX0032768	chr2	31844659	31845755	31845881	31846784	+
Nup214	MmuEX0032769	chr2	31858550	31859833	31859991	31862209	+
Nup214	MmuEX0032770	chr2	31866605	31866705	31866788	31872546	+
Nup214	MmuEX0032771	chr2	31882446	31886227	31886317	31886770	+
Nup214	MmuEX0032772	chr2	31893692	31894843	31894996	31897937	+
Nup214	MmuEX0032773	chr2	31894996	31897937	31898089	31902923	+
Nup214	MmuEX0032774	chr2	31898089	31902923	31903094	31906529	+
Nup214	MmuEX0032775	chr2	31835408	31836030	31836100	31838131	+
Nup214	MmuEX0032776	chr2	31846945	31850043	31850496	31851896	+
Nup214	MmuEX0032777	chr2	31872857	31873715	31873876	31875778	+
Nup37	MmuEX0032782	chr10	87623715	87634740	87634830	87637131	+
Nup37	MmuEX0032783	chr10	87616393	87621603	87621675	87623621	+
Nup37	MmuEX0032784	chr10	87634830	87637131	87637312	87637628	+
Nup37	MmuEX0032785	chr10	87637312	87637628	87637678	87639818	+
Nup37	MmuEX0032786	chr10	87637678	87639818	87639911	87640879	+
Nup43	MmuEX0032787	chr10	7387922	7389351	7389428	7390737	+
Nup43	MmuEX0032788	chr10	7387922	7393383	7393518	7394804	+
Nup50	MmuEX0032789	chr15	84759885	84763114	84763464	84763965	+
Nup50	MmuEX0032790	chr15	84754080	84755199	84755326	84757798	+

Nup54	MmuEX0032791	chr5	92860148	92863248	92863409	92863538	-
Nup85	MmuEX0032795	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Nup85	MmuEX0032796	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Nup85	MmuEX0032797	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Nup85	MmuEX0032798	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Nup85	MmuEX0032799	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Nup85	MmuEX0032800	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Nup88	MmuEX0032801	chr11	70761305	70762775	70763044	70763648	-
Nup88	MmuEX0032802	chr11	70758240	70758347	70758487	70758705	-
Nup88	MmuEX0032803	chr11	70771941	70775084	70775170	70779209	-
Nup93	MmuEX0032804	chr8	96738531	96751563	96751755	96767554	+
Nup93	MmuEX0032805	chr8	96824792	96825968	96826125	96827500	+
Nup93	MmuEX0032806	chr8	96829331	96829925	96830051	96830174	+
Nup93	MmuEX0032807	chr8	96751755	96767554	96767671	96805171	+
Nup93	MmuEX0032808	chr8	96738531	96744460	96744511	96751563	+
Nup93	MmuEX0032809	chr8	96767671	96805171	96805233	96810389	+
Nup93	MmuEX0032810	chr8	96830246	96830502	96830546	96831741	+
Nup98	MmuEX0032811	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032812	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032813	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032814	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032815	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032816	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032817	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032818	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032819	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032820	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nup98	MmuEX0032821	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Nupl1	MmuEX0032822	chr14	60863500	60866161	60866303	60870000	-
Nupl1	MmuEX0032823	chr14	60847747	60850911	60850993	60851384	-
Nupl1	MmuEX0032824	chr14	60840515	60842205	60842252	60847546	-
Nupl1	MmuEX0032825	chr14	60850993	60851384	60851502	60853067	-
Nupl2	MmuEX0032826	chr5	23675208	23675596	23675958	23681272	+
Nupl2	MmuEX0032827	chr5	23675208	23681272	23681348	23683818	+
Nupl2	MmuEX0032828	chr5	23675208	23683818	23683904	23686899	+
Nvl	MmuEX0032834	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032835	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032836	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032837	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032838	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032839	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032840	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032841	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032842	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nvl	MmuEX0032843	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Nxf1	MmuEX0032849	chr19	8831749	8832198	8832248	8836802	+
Nxf1	MmuEX0032850	chr19	8842506	8843079	8843151	8843491	+

Nxn	MmuEX0032858	chr11	76087573	76088017	76088150	76091976	-
Nxt1	MmuEX0032861	chr2	1.48E+08	1.49E+08	1.49E+08	1.49E+08	+
Nxt2	MmuEX0032862	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
ORF19	MmuEX0032863	chr17	66465736	66465969	66466101	66466313	+
ORF61	MmuEX0032864	chr10	79441065	79441137	79441220	79441293	-
Oas1b	MmuEX0032866	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Oas1g	MmuEX0032872	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Oas2	MmuEX0032875	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Oas2	MmuEX0032876	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Oas2	MmuEX0032877	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Oas2	MmuEX0032878	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Oasl1	MmuEX0032880	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Oasl1	MmuEX0032881	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Oasl1	MmuEX0032882	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Oasl2	MmuEX0032883	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Oaz1	MmuEX0032884	chr10	80291378	80291464	80291541	80291638	+
Obfc1	MmuEX0032886	chr19	47599245	47603127	47603222	47610686	-
Obfc1	MmuEX0032887	chr19	47582368	47584825	47584947	47588301	-
Obfc2a	MmuEX0032888	chr1	51534460	51534669	51534775	51535048	-
Obfc2a	MmuEX0032889	chr1	51528255	51534369	51534454	51534566	-
Obfc2a	MmuEX0032890	chr1	51528255	51531378	51531449	51534322	-
Obfc2a	MmuEX0032891	chr1	51529224	51529850	51529925	51531378	-
Obfc2a	MmuEX0032892	chr1	51528255	51529173	51529220	51529847	-
Obscn	MmuEX0032894	chr11	58808336	58808530	58808605	58808840	-
Obscn	MmuEX0032895	chr11	58865296	58865947	58866213	58867076	-
Obscn	MmuEX0032896	chr11	58857655	58862927	58863002	58863179	-
Obscn	MmuEX0032897	chr11	58828980	58833959	58834070	58834922	-
Obscn	MmuEX0032898	chr11	58824038	58828938	58828980	58833959	-
Obscn	MmuEX0032899	chr11	58824038	58826014	58827298	58833959	-
Obscn	MmuEX0032911	chr11	58869726	58877689	58877952	58880568	-
Obscn	MmuEX0032914	chr11	58866213	58867076	58867339	58880568	-
Obscn	MmuEX0032915	chr11	58867339	58876149	58876412	58880568	-
Obscn	MmuEX0032916	chr11	58867339	58875773	58875796	58880568	-
Obscn	MmuEX0032918	chr11	58867339	58874346	58874609	58880568	-
Obscn	MmuEX0032919	chr11	58867339	58869463	58869726	58880568	-
Obsl1	MmuEX0032921	chr1	75487643	75487763	75488032	75489081	-
Obsl1	MmuEX0032922	chr1	75494922	75496477	75496749	75498534	-
Obsl1	MmuEX0032923	chr1	75488032	75488803	75488917	75489081	-
Obsl1	MmuEX0032924	chr1	75489720	75490360	75490632	75493583	-
Obsl1	MmuEX0032925	chr1	75485276	75486058	75486324	75487371	-
Obsl1	MmuEX0032926	chr1	75484637	75485164	75485276	75487371	-
Ocel1	MmuEX0032932	chr8	73895884	73896367	73896532	73896648	+
Ociad1	MmuEX0032933	chr5	73698037	73701513	73701665	73704682	+
Ociad1	MmuEX0032934	chr5	73684215	73685205	73685249	73685524	+
Ociad2	MmuEX0032935	chr5	73723439	73727059	73727184	73729770	-
Ociad2	MmuEX0032936	chr5	73720559	73723343	73723439	73727059	-
Ociad2	MmuEX0032937	chr5	73715086	73717520	73717637	73718902	-

Ocrl	MmuEX0032943	chrX	45284873	45284961	45285122	45286551	+
Ocrl	MmuEX0032944	chrX	45294395	45296683	45296818	45300180	+
Ocrl	MmuEX0032945	chrX	45296818	45300180	45300290	45300884	+
Ocrl	MmuEX0032949	chrX	45269731	45273338	45273376	45283548	+
Ocrl	MmuEX0032950	chrX	45265868	45265939	45265941	45266146	+
Ocrl	MmuEX0032951	chrX	45266225	45269652	45269731	45273338	+
Ocrl	MmuEX0032952	chrX	45300290	45300884	45301049	45301302	+
Ocrl	MmuEX0032953	chrX	45301537	45309387	45309410	45313630	+
Odf2	MmuEX0032955	chr2	29745441	29746286	29746522	29747706	+
Odf2	MmuEX0032956	chr2	29758970	29759496	29759627	29768086	+
Odf2	MmuEX0032957	chr2	29770439	29770728	29770837	29773130	+
Odf2	MmuEX0032958	chr2	29759627	29759710	29759712	29768086	+
Odf2	MmuEX0032959	chr2	29747796	29748558	29748674	29748964	+
Odf2	MmuEX0032960	chr2	29769822	29769914	29770030	29770254	+
Odf2	MmuEX0032961	chr2	29770837	29773130	29773265	29776295	+
Odf2	MmuEX0032962	chr2	29777891	29779059	29779159	29781460	+
Odf2l	MmuEX0032963	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032964	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032965	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032966	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032967	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032968	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032969	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032970	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032971	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032972	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf2l	MmuEX0032973	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Odf1	MmuEX0033019	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Odf1	MmuEX0033020	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Odf1	MmuEX0033021	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Odf1	MmuEX0033022	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Odf1	MmuEX0033023	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Odf1	MmuEX0033024	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Odf1	MmuEX0033025	chrX	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Ogdh	MmuEX0033026	chr11	6234651	6238561	6238715	6239112	+
Ogdh	MmuEX0033027	chr11	6249496	6249845	6249916	6250609	+
Ogdh	MmuEX0033028	chr11	6246697	6247101	6247253	6247832	+
Ogdh	MmuEX0033029	chr11	6213982	6216768	6216858	6234536	+
Ogdh	MmuEX0033030	chr11	6213982	6216981	6217083	6234536	+
Ogdh	MmuEX0033031	chr11	6216858	6224881	6224925	6234536	+
Ogdhl	MmuEX0033032	chr14	33153933	33154388	33154516	33155226	+
Ogdhl	MmuEX0033033	chr14	33140335	33140830	33141316	33145367	+
Ogdhl	MmuEX0033034	chr14	33135302	33135508	33135510	33137065	+
Ogdhl	MmuEX0033035	chr14	33148611	33149652	33149663	33150628	+
Ogdhl	MmuEX0033036	chr14	33135302	33137065	33137133	33138980	+
Ogdhl	MmuEX0033037	chr14	33139184	33140165	33140335	33145367	+
Ogdhl	MmuEX0033038	chr14	33156516	33157510	33157688	33157900	+

Ogfod1	MmuEX0033039	chr8	96563010	96563897	96563947	96571172	+
Ogfod1	MmuEX0033040	chr8	96563010	96571172	96571218	96575975	+
Ogfod1	MmuEX0033041	chr8	96576075	96578504	96578620	96579153	+
Ogfod1	MmuEX0033042	chr8	96576075	96576722	96576927	96578504	+
Ogfod1	MmuEX0033043	chr8	96561342	96562868	96563010	96571172	+
Ogfod1	MmuEX0033044	chr8	96579244	96579436	96579564	96579944	+
Ogfod2	MmuEX0033045	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Ogfr	MmuEX0033046	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Ogfr	MmuEX0033047	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Ogg1	MmuEX0033049	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Ogn	MmuEX0033050	chr13	49706762	49710924	49711082	49713462	+
Ogn	MmuEX0033051	chr13	49716477	49717143	49717217	49718182	+
Ogn	MmuEX0033052	chr13	49703495	49704210	49704302	49704483	+
Ogt	MmuEX0033053	chrX	98835661	98838345	98838495	98839286	+
Ogt	MmuEX0033054	chrX	98847547	98849315	98849460	98850963	+
Ola1	MmuEX0033060	chr2	72937445	72938131	72938271	72979955	-
Ola1	MmuEX0033061	chr2	73037585	73041382	73041521	73050913	-
Ola1	MmuEX0033062	chr2	72994970	73037458	73037585	73041382	-
Ola1	MmuEX0033063	chr2	72937445	72979955	72980052	73050913	-
Olfm1	MmuEX0033065	chr2	28061619	28063598	28063747	28068052	+
Olfm1	MmuEX0033066	chr2	28063747	28068052	28068207	28070129	+
Olfm1	MmuEX0033067	chr2	28068207	28070129	28070348	28078071	+
Olfm1	MmuEX0033068	chr2	28070348	28078071	28078177	28084574	+
Olfml3	MmuEX0033073	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Oma1	MmuEX0033078	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033079	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033080	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033081	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033082	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033083	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033084	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033085	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033086	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033087	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Oma1	MmuEX0033088	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Opa1	MmuEX0033095	chr16	29616777	29618208	29618373	29620467	+
Opa1	MmuEX0033096	chr16	29588445	29588909	29588962	29589767	+
Opa1	MmuEX0033097	chr16	29589834	29597672	29597782	29602298	+
Ophn1	MmuEX0033099	chrX	95907809	95909446	95909550	95921344	-
Ophn1	MmuEX0033100	chrX	95905517	95907680	95907809	95909446	-
Ophn1	MmuEX0033101	chrX	95754966	95758969	95759019	95760055	-
Ophn1	MmuEX0033104	chrX	95759019	95759631	95759672	95760055	-
Ophn1	MmuEX0033105	chrX	95792514	95822253	95822412	95836247	-
Ophn1	MmuEX0033106	chrX	95927805	95959044	95959115	95976295	-
Oplah	MmuEX0033107	chr15	76133778	76133866	76133978	76134517	-
Oplah	MmuEX0033108	chr15	76136289	76136629	76136820	76136905	-
Oplah	MmuEX0033109	chr15	76128198	76128336	76128470	76128566	-

Oplah	MmuEX0033110	chr15	76129001	76131717	76131877	76132476	-
Oplah	MmuEX0033111	chr15	76129001	76131523	76131624	76132476	-
Oplah	MmuEX0033112	chr15	76129001	76131256	76131430	76132476	-
Optn	MmuEX0033126	chr2	4963566	4964814	4964913	4967033	-
Optn	MmuEX0033127	chr2	4975762	4983905	4984033	4984953	-
Optn	MmuEX0033128	chr2	4942527	4945113	4945195	4948160	-
Optn	MmuEX0033129	chr2	4967245	4975586	4975762	4984953	-
Optn	MmuEX0033130	chr2	4967245	4974158	4974236	4984953	-
Optn	MmuEX0033131	chr2	4955349	4957717	4957816	4961185	-
Optn	MmuEX0033132	chr2	4955349	4956014	4956129	4957717	-
Orai1	MmuEX0033133	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Orai3	MmuEX0033134	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Oraov1	MmuEX0033135	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Orc2	MmuEX0033143	chr1	58537997	58538667	58538780	58540487	-
Orc2	MmuEX0033144	chr1	58527930	58529149	58529245	58531653	-
Orc2	MmuEX0033145	chr1	58522957	58524495	58524556	58526512	-
Orc2	MmuEX0033146	chr1	58521134	58522839	58522957	58524495	-
Orc2	MmuEX0033147	chr1	58557228	58558167	58558270	58558686	-
Orc2	MmuEX0033148	chr1	58558270	58558686	58558728	58561616	-
Orc2	MmuEX0033149	chr1	58554309	58557085	58557228	58558167	-
Orc3	MmuEX0033150	chr4	34534331	34540310	34540423	34542326	-
Orc3	MmuEX0033151	chr4	34527125	34532053	34532132	34532822	-
Orc3	MmuEX0033152	chr4	34544690	34545857	34546005	34546953	-
Orc3	MmuEX0033153	chr4	34546005	34546232	34546389	34546953	-
Orc3	MmuEX0033154	chr4	34554477	34558271	34558325	34562114	-
Orc4	MmuEX0033155	chr2	48772858	48779229	48779768	48782616	-
Orc4	MmuEX0033156	chr2	48772858	48777234	48777323	48779229	-
Orc4	MmuEX0033157	chr2	48765814	48768082	48768168	48772685	-
Orc4	MmuEX0033158	chr2	48764853	48764939	48765034	48765706	-
Orc4	MmuEX0033159	chr2	48792382	48792972	48793048	48795853	-
Orc4	MmuEX0033160	chr2	48789142	48792292	48792382	48792972	-
Orc4	MmuEX0033161	chr2	48761119	48764786	48764853	48764939	-
Orc4	MmuEX0033162	chr2	48768168	48772685	48772858	48782616	-
Orc5	MmuEX0033163	chr5	22053834	22055220	22055336	22056010	-
Orc5	MmuEX0033164	chr5	22005906	22022522	22022632	22028209	-
Orc5	MmuEX0033165	chr5	22043414	22052216	22052416	22053742	-
Orc5	MmuEX0033166	chr5	22035103	22039581	22039692	22043340	-
Orc5	MmuEX0033167	chr5	22032401	22034284	22034513	22034973	-
Orc5	MmuEX0033168	chr5	21993035	22005794	22005906	22022522	-
Orc6	MmuEX0033169	chr8	87823891	87825008	87825137	87826695	+
Orc6	MmuEX0033170	chr8	87827350	87827602	87827774	87829108	+
Orc6	MmuEX0033171	chr8	87827350	87829108	87829220	87830116	+
Orc6	MmuEX0033172	chr8	87825137	87826695	87826858	87827261	+
Orm1	MmuEX0033173	chr4	63005748	63006103	63006245	63006455	+
Os9	MmuEX0033177	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Osbp	MmuEX0033178	chr19	12045385	12048148	12048398	12052292	+
Osbp	MmuEX0033179	chr19	12053490	12058017	12058281	12058394	+

Osbp	MmuEX0033180	chr19	12058639	12058882	12059002	12062839	+
Osbp2	MmuEX0033181	chr11	3626578	3719840	3720048	3763236	-
Osbp2	MmuEX0033182	chr11	3612232	3612462	3612582	3614474	-
Osbp2	MmuEX0033183	chr11	3614719	3615091	3615237	3615500	-
Osbpl10	MmuEX0033184	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Osbpl10	MmuEX0033185	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Osbpl10	MmuEX0033186	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Osbpl10	MmuEX0033187	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Osbpl10	MmuEX0033188	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Osbpl11	MmuEX0033189	chr16	33186086	33196160	33196228	33204758	+
Osbpl11	MmuEX0033190	chr16	33196228	33197352	33197437	33204758	+
Osbpl11	MmuEX0033191	chr16	33216945	33224626	33224766	33226943	+
Osbpl11	MmuEX0033192	chr16	33196228	33204758	33204933	33210012	+
Osbpl11	MmuEX0033193	chr16	33196228	33206009	33206088	33210012	+
Osbpl11	MmuEX0033194	chr16	33206088	33210012	33210188	33214428	+
Osbpl11	MmuEX0033195	chr16	33227441	33229048	33229234	33234509	+
Osbpl11	MmuEX0033196	chr16	33229234	33234509	33234691	33236341	+
Osbpl11	MmuEX0033197	chr16	33234691	33236341	33236494	33241822	+
Osbpl1a	MmuEX0033198	chr18	13068511	13069586	13069671	13073011	-
Osbpl1a	MmuEX0033199	chr18	13065458	13068367	13068511	13069586	-
Osbpl1a	MmuEX0033200	chr18	13063776	13064480	13064524	13065397	-
Osbpl1a	MmuEX0033201	chr18	13056810	13063532	13063595	13063703	-
Osbpl1a	MmuEX0033202	chr18	13050798	13056712	13056810	13063532	-
Osbpl1a	MmuEX0033205	chr18	13040786	13041478	13041901	13050676	-
Osbpl1a	MmuEX0033206	chr18	12978170	12999693	12999855	13029587	-
Osbpl1a	MmuEX0033207	chr18	13073122	13086770	13087602	13092089	-
Osbpl1a	MmuEX0033208	chr18	12929942	12946829	12946904	12978014	-
Osbpl1a	MmuEX0033209	chr18	12917399	12917908	12918024	12921075	-
Osbpl1a	MmuEX0033210	chr18	13063595	13063703	13063776	13064480	-
Osbpl1a	MmuEX0033211	chr18	13092211	13096512	13096601	13100141	-
Osbpl1a	MmuEX0033212	chr18	13040786	13050676	13050798	13056712	-
Osbpl1a	MmuEX0033213	chr18	12999855	13029587	13029693	13040705	-
Osbpl1a	MmuEX0033214	chr18	12946904	12978014	12978170	12999693	-
Osbpl2	MmuEX0033215	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Osbpl2	MmuEX0033216	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Osbpl3	MmuEX0033217	chr6	50270173	50272972	50273222	50277374	-
Osbpl3	MmuEX0033218	chr6	50251049	50253016	50253160	50258290	-
Osbpl3	MmuEX0033219	chr6	50278803	50283185	50283292	50286214	-
Osbpl3	MmuEX0033220	chr6	50320357	50378328	50378419	50405824	-
Osbpl3	MmuEX0033221	chr6	50295029	50297970	50298137	50301843	-
Osbpl3	MmuEX0033222	chr6	50295029	50297365	50297488	50301843	-
Osbpl3	MmuEX0033223	chr6	50295029	50296327	50296430	50301843	-
Osbpl3	MmuEX0033224	chr6	50295029	50296010	50296102	50296327	-
Osbpl5	MmuEX0033225	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Osbpl5	MmuEX0033226	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Osbpl5	MmuEX0033227	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Osbpl5	MmuEX0033228	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-

Osbpl7	MmuEX0033241	chr11	96928391	96928519	96928663	96928748	+
Osbpl7	MmuEX0033242	chr11	96928874	96928979	96929101	96929256	+
Osbpl8	MmuEX0033244	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl8	MmuEX0033245	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl8	MmuEX0033246	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl8	MmuEX0033247	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl8	MmuEX0033248	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl8	MmuEX0033249	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl8	MmuEX0033250	chr10	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Osbpl9	MmuEX0033251	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033252	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033253	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033254	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033255	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033256	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033257	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033258	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033259	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033260	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Osbpl9	MmuEX0033261	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Oscp1	MmuEX0033263	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Oscp1	MmuEX0033265	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Osgepl1	MmuEX0033266	chr1	53378411	53379869	53379941	53380011	+
Osgepl1	MmuEX0033267	chr1	53371943	53374751	53375133	53376787	+
Osgepl1	MmuEX0033268	chr1	53378054	53378340	53378411	53380011	+
Osgepl1	MmuEX0033269	chr1	53378054	53380011	53380114	53382848	+
Osgin1	MmuEX0033271	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Osgin1	MmuEX0033272	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Osgin2	MmuEX0033273	chr4	15933640	15935748	15935902	15940834	-
Osmr	MmuEX0033275	chr15	6792104	6792782	6792917	6794221	-
Osmr	MmuEX0033276	chr15	6774652	6777089	6777311	6778633	-
Osmr	MmuEX0033277	chr15	6797198	6802419	6802588	6810293	-
Ostc	MmuEX0033281	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ostf1	MmuEX0033282	chr19	18670891	18678656	18678702	18706110	-
Ostf1	MmuEX0033283	chr19	18661115	18664195	18664244	18664891	-
Ostf1	MmuEX0033284	chr19	18661115	18668346	18668409	18670841	-
Ostf1	MmuEX0033285	chr19	18664998	18667073	18667126	18668346	-
Ostf1	MmuEX0033286	chr19	18661115	18664891	18664998	18667073	-
Ostm1	MmuEX0033287	chr10	42399203	42402966	42403080	42412717	+
Ostm1	MmuEX0033288	chr10	42403080	42412717	42412814	42416056	+
Ostm1	MmuEX0033289	chr10	42416223	42416765	42416905	42417914	+
Otub1	MmuEX0033305	chr19	7274551	7278275	7278363	7278548	-
Otud3	MmuEX0033307	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Otud3	MmuEX0033308	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Otud3	MmuEX0033309	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Otud4	MmuEX0033310	chr8	82183200	82183297	82183361	82184937	+
Otud4	MmuEX0033311	chr8	82183361	82184011	82184134	82184937	+

Otud4	MmuEX0033312	chr8	82183361	82184937	82185034	82187624	+
Otud4	MmuEX0033313	chr8	82188010	82188880	82189042	82190615	+
Otud4	MmuEX0033314	chr8	82163963	82167653	82167736	82170197	+
Otud4	MmuEX0033315	chr8	82192410	82193173	82193311	82193823	+
Otud4	MmuEX0033316	chr8	82194077	82194945	82194985	82196667	+
Otud4	MmuEX0033317	chr8	82170247	82174156	82174272	82174905	+
Otud4	MmuEX0033318	chr8	82175643	82176624	82176731	82177262	+
Otud4	MmuEX0033319	chr8	82177343	82179559	82179691	82182808	+
Otud5	MmuEX0033320	chrX	7449325	7450680	7450881	7450966	+
Otud5	MmuEX0033321	chrX	7450881	7450966	7451079	7451359	+
Otud6b	MmuEX0033322	chr4	14745635	14749839	14749915	14752646	-
Otud6b	MmuEX0033323	chr4	14745635	14746242	14746362	14749839	-
Otud7b	MmuEX0033329	chr3	95908742	95912634	95912691	95940397	+
Otud7b	MmuEX0033330	chr3	95945638	95948164	95948265	95948891	+
Otud7b	MmuEX0033331	chr3	95948265	95948891	95949018	95954785	+
Otud7b	MmuEX0033332	chr3	95934266	95935415	95935586	95940397	+
Otud7b	MmuEX0033333	chr3	95955388	95955818	95955967	95956436	+
Otud7b	MmuEX0033334	chr3	95908742	95934154	95934177	95940397	+
Ovgp1	MmuEX0033339	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ovgp1	MmuEX0033340	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Ovgp1	MmuEX0033341	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Oxa1l	MmuEX0033345	chr14	54981152	54982966	54983179	54986393	+
Oxct1	MmuEX0033346	chr15	3981310	3985260	3985368	3987091	+
Oxct1	MmuEX0033347	chr15	4051879	4078834	4078923	4092792	+
Oxnad1	MmuEX0033349	chr14	32909814	32912292	32912473	32912575	+
Oxnad1	MmuEX0033350	chr14	32909814	32912575	32912817	32914172	+
Oxnad1	MmuEX0033351	chr14	32912817	32914172	32914280	32915443	+
Oxnad1	MmuEX0033352	chr14	32905317	32907452	32907547	32908551	+
Oxnad1	MmuEX0033353	chr14	32898752	32899035	32899239	32904807	+
Oxnad1	MmuEX0033354	chr14	32904945	32905254	32905317	32909673	+
Oxnad1	MmuEX0033355	chr14	32905317	32908551	32908657	32909673	+
Oxr1	MmuEX0033357	chr15	41645272	41648628	41648812	41651385	+
Oxr1	MmuEX0033358	chr15	41657598	41680216	41680296	41682005	+
Oxr1	MmuEX0033361	chr15	41683073	41684868	41684963	41686467	+
Oxr1	MmuEX0033362	chr15	41629102	41632017	41632124	41633128	+
Oxr1	MmuEX0033363	chr15	41633241	41645120	41645272	41648628	+
Oxr1	MmuEX0033364	chr15	41652124	41654873	41655041	41657436	+
Oxr1	MmuEX0033365	chr15	41657598	41665013	41665167	41682005	+
Oxr1	MmuEX0033366	chr15	41657598	41669798	41669825	41682005	+
Oxr1	MmuEX0033367	chr15	41657598	41682005	41682130	41682921	+
Oxsr1	MmuEX0033368	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Oxsr1	MmuEX0033369	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Oxsr1	MmuEX0033370	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Oxsr1	MmuEX0033371	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Oxsr1	MmuEX0033372	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Oxsr1	MmuEX0033373	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Oxsr1	MmuEX0033374	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-

P2rx4	MmuEX0033382	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
P2rx4	MmuEX0033383	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
P2rx4	MmuEX0033384	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
P2rx5	MmuEX0033385	chr11	72978508	72979042	72979113	72979645	+
P2rx5	MmuEX0033386	chr11	72984000	72984585	72984752	72985267	+
P2rx5	MmuEX0033387	chr11	72980144	72980415	72980553	72980996	+
P2rx7	MmuEX0033391	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
P2rx7	MmuEX0033392	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
P2rx7	MmuEX0033393	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
P2ry2	MmuEX0033398	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
P2ry2	MmuEX0033399	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
P4ha1	MmuEX0033401	chr10	58806542	58810929	58811168	58813152	+
P4ha1	MmuEX0033402	chr10	58813348	58814831	58815007	58824609	+
P4ha1	MmuEX0033403	chr10	58815007	58817088	58817158	58824609	+
P4ha1	MmuEX0033404	chr10	58815007	58818098	58818168	58824609	+
P4ha2	MmuEX0033405	chr11	53933687	53937426	53937471	53938159	+
P4ha2	MmuEX0033406	chr11	53939318	53939740	53939799	53942550	+
P4ha2	MmuEX0033407	chr11	53939318	53939848	53939913	53942550	+
P4ha2	MmuEX0033408	chr11	53915149	53923711	53923816	53924488	+
P4ha2	MmuEX0033409	chr11	53942618	53942968	53943064	53944692	+
P4ha2	MmuEX0033410	chr11	53923816	53923984	53924054	53924488	+
P4hb	MmuEX0033414	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
P4hb	MmuEX0033415	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
P4htm	MmuEX0033416	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Pa2g4	MmuEX0033417	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Pa2g4	MmuEX0033418	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Pacrgl	MmuEX0033426	chr5	48765777	48766782	48766849	48768314	+
Pacrgl	MmuEX0033427	chr5	48766849	48768314	48768404	48770569	+
Pacrgl	MmuEX0033428	chr5	48770703	48771363	48771470	48773026	+
Pacs1	MmuEX0033429	chr19	5144935	5145071	5145186	5147127	-
Pacs1	MmuEX0033430	chr19	5136919	5138930	5139065	5139280	-
Pacs1	MmuEX0033431	chr19	5156501	5159968	5160093	5160718	-
Pacs2	MmuEX0033432	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033433	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033434	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033435	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033436	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033437	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033438	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033439	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacs2	MmuEX0033440	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pacsin2	MmuEX0033441	chr15	83212313	83214053	83214058	83215417	-
Pacsin2	MmuEX0033442	chr15	83209625	83210114	83210236	83212192	-
Pacsin2	MmuEX0033443	chr15	83232429	83283297	83283395	83294889	-
Pacsin2	MmuEX0033444	chr15	83223087	83232418	83232429	83294889	-
Pacsin3	MmuEX0033445	chr2	91100717	91101328	91101563	91101668	+
Pacsin3	MmuEX0033446	chr2	91100084	91100328	91100418	91100561	+

Pacsin3	MmuEX0033447	chr2	91103580	91103922	91104043	91104348	+
Pacsin3	MmuEX0033448	chr2	91096347	91096459	91096500	91100021	+
Pacsin3	MmuEX0033449	chr2	91096347	91100025	91100084	91100328	+
Paf1	MmuEX0033457	chr7	29178273	29178688	29178717	29180062	+
Pafah1b1	MmuEX0033458	chr11	74504112	74512813	74513022	74537501	-
Pafah1b1	MmuEX0033459	chr11	74513022	74521995	74522086	74536702	-
Pafah1b2	MmuEX0033460	chr9	45777049	45781025	45781147	45783164	-
Pafah1b2	MmuEX0033461	chr9	45777049	45777886	45778131	45781025	-
Pafah1b2	MmuEX0033462	chr9	45786812	45789126	45789307	45791934	-
Pafah1b2	MmuEX0033464	chr9	45783280	45784124	45784213	45786725	-
Pafah1b3	MmuEX0033465	chr7	26082194	26082391	26082489	26082862	-
Pafah2	MmuEX0033466	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Pafah2	MmuEX0033467	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Pafah2	MmuEX0033468	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Pafah2	MmuEX0033469	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Paip1	MmuEX0033473	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Paip1	MmuEX0033474	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Paip1	MmuEX0033475	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Paip1	MmuEX0033476	chr13	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Paip2	MmuEX0033477	chr18	35758413	35759367	35759412	35759699	+
Paip2	MmuEX0033478	chr18	35758413	35759699	35759771	35768392	+
Paip2	MmuEX0033479	chr18	35768473	35769247	35769327	35770525	+
Paip2	MmuEX0033480	chr18	35768473	35768911	35768982	35769247	+
Paip2	MmuEX0033483	chr18	35759771	35768392	35768473	35770525	+
Paip2b	MmuEX0033484	chr6	83764863	83773503	83773677	83781265	-
Pak1ip1	MmuEX0033491	chr13	41103654	41104255	41104307	41104588	+
Pak2	MmuEX0033492	chr16	32052469	32052701	32052786	32079174	-
Pak4	MmuEX0033499	chr7	29353317	29354812	29354885	29383054	-
Pak4	MmuEX0033500	chr7	29345298	29345818	29345943	29347557	-
Pak4	MmuEX0033501	chr7	29354885	29355191	29355332	29383054	-
Pak6	MmuEX0033502	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Pak6	MmuEX0033503	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Pak6	MmuEX0033504	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Pak6	MmuEX0033505	chr2	1.18E+08	1.18E+08	1.18E+08	1.19E+08	+
Pak6	MmuEX0033506	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Palld	MmuEX0033517	chr8	64191675	64199313	64199491	64211078	-
Palld	MmuEX0033518	chr8	64190277	64191609	64191675	64199313	-
Palld	MmuEX0033519	chr8	64012372	64013655	64013705	64014483	-
Palm	MmuEX0033520	chr10	79272365	79273173	79273326	79275088	+
Palm	MmuEX0033521	chr10	79277986	79278500	79278589	79279537	+
Palm	MmuEX0033522	chr10	79277986	79279537	79279668	79281786	+
Pam	MmuEX0033524	chr1	99738881	99741173	99741289	99749680	-
Pam	MmuEX0033525	chr1	99719566	99722414	99722614	99728032	-
Pam	MmuEX0033526	chr1	99718565	99719513	99719566	99722414	-
Pam	MmuEX0033527	chr1	99749809	99760780	99761097	99780703	-
Pam	MmuEX0033528	chr1	99792285	99792546	99792626	99793785	-
Pam	MmuEX0033529	chr1	99873836	99970699	99970753	99992062	-

Pam16	MmuEX0033530	chr16	4618003	4618102	4618150	4627221	-
Pan2	MmuEX0033534	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan2	MmuEX0033535	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan2	MmuEX0033536	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan2	MmuEX0033537	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan2	MmuEX0033538	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan2	MmuEX0033539	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan2	MmuEX0033540	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Pan3	MmuEX0033541	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033542	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033543	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033544	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033545	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033546	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033547	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033548	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033549	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033550	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033551	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033552	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033553	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033554	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033555	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pan3	MmuEX0033556	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pank1	MmuEX0033557	chr19	34896379	34901610	34901863	34915247	-
Pank1	MmuEX0033558	chr19	34895713	34896203	34896379	34901610	-
Pank2	MmuEX0033559	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank2	MmuEX0033560	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank2	MmuEX0033561	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank2	MmuEX0033562	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank2	MmuEX0033563	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank2	MmuEX0033564	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank2	MmuEX0033565	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Pank3	MmuEX0033566	chr11	35591322	35592078	35592254	35595086	+
Pank3	MmuEX0033567	chr11	35583449	35589588	35589940	35591069	+
Pank4	MmuEX0033568	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Pank4	MmuEX0033569	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Pank4	MmuEX0033570	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Pank4	MmuEX0033571	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Pank4	MmuEX0033572	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Panx1	MmuEX0033573	chr9	14814700	14825826	14825965	14849301	-
Papd4	MmuEX0033579	chr13	93956431	93961748	93961811	93962049	-
Papd4	MmuEX0033580	chr13	93938422	93941778	93941847	93944595	-
Papd4	MmuEX0033581	chr13	93945565	93947050	93947213	93954034	-
Papd5	MmuEX0033583	chr8	90767263	90769497	90769543	90770264	+
Papd5	MmuEX0033584	chr8	90770384	90771408	90771515	90773004	+
Papd5	MmuEX0033585	chr8	90771515	90773004	90773132	90774539	+

Papd5	MmuEX0033586	chr8	90776472	90779008	90779172	90780998	+
Papd5	MmuEX0033587	chr8	90779172	90780998	90781351	90786833	+
Papd7	MmuEX0033588	chr13	69641956	69642513	69642613	69643484	-
Papd7	MmuEX0033589	chr13	69638985	69639351	69639515	69641069	-
Papd7	MmuEX0033590	chr13	69651888	69653843	69653889	69654658	-
Papd7	MmuEX0033591	chr13	69648569	69649498	69649605	69651768	-
Papd7	MmuEX0033592	chr13	69646007	69648441	69648569	69649498	-
Papd7	MmuEX0033593	chr13	69639515	69641069	69641227	69641784	-
Papola	MmuEX0033596	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Papola	MmuEX0033597	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Papola	MmuEX0033598	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Papola	MmuEX0033599	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Papola	MmuEX0033600	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Papolg	MmuEX0033601	chr11	23773910	23774475	23774547	23776320	-
Papolg	MmuEX0033602	chr11	23773312	23773790	23773910	23774475	-
Papolg	MmuEX0033603	chr11	23770862	23772427	23772480	23773228	-
Papolg	MmuEX0033604	chr11	23785572	23790229	23790295	23791743	-
Papolg	MmuEX0033605	chr11	23776458	23777885	23778248	23779874	-
Papolg	MmuEX0033606	chr11	23768480	23770193	23770302	23770743	-
Papss1	MmuEX0033614	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss1	MmuEX0033615	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss1	MmuEX0033616	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss1	MmuEX0033617	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss1	MmuEX0033618	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss1	MmuEX0033619	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss1	MmuEX0033620	chr3	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Papss2	MmuEX0033621	chr19	32726591	32735069	32735204	32737545	+
Papss2	MmuEX0033622	chr19	32715901	32720819	32720833	32726386	+
Paqr3	MmuEX0033623	chr5	97532534	97537185	97537347	97540278	-
Paqr3	MmuEX0033624	chr5	97526588	97532379	97532534	97537185	-
Paqr3	MmuEX0033625	chr5	97526588	97528565	97528762	97532379	-
Pard3	MmuEX0033637	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033638	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033639	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033640	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033641	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033642	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033643	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3	MmuEX0033644	chr8	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pard3b	MmuEX0033645	chr1	62245336	62258108	62258278	62262997	+
Pard3b	MmuEX0033647	chr1	62391681	62486585	62486695	62526073	+
Pard3b	MmuEX0033648	chr1	62526369	62579219	62579354	62634311	+
Pard3b	MmuEX0033650	chr1	62057052	62122959	62123068	62191421	+
Pard3b	MmuEX0033651	chr1	61814623	62056881	62057052	62122959	+
Pard3b	MmuEX0033652	chr1	62123068	62191421	62191509	62200507	+
Parg	MmuEX0033655	chr14	33027632	33027753	33027836	33030846	+
Parg	MmuEX0033656	chr14	33027836	33030846	33030920	33051717	+

Parg	MmuEX0033657	chr14	33030920	33051717	33051809	33055375	+
Parg	MmuEX0033658	chr14	33063282	33067530	33067580	33067722	+
Parg	MmuEX0033659	chr14	33015651	33016860	33016970	33021343	+
Parg	MmuEX0033660	chr14	33088144	33095040	33095121	33097285	+
Parg	MmuEX0033661	chr14	33027836	33030569	33030624	33030846	+
Parg	MmuEX0033662	chr14	33015651	33021343	33021409	33021878	+
Parg	MmuEX0033663	chr14	33076017	33084816	33084894	33088036	+
Park2	MmuEX0033664	chr17	11828312	12031468	12031529	12047593	+
Park2	MmuEX0033665	chr17	12031529	12047593	12047742	12196911	+
Park2	MmuEX0033666	chr17	12047742	12196911	12196994	12243492	+
Park2	MmuEX0033667	chr17	12196994	12243492	12243609	12254407	+
Park2	MmuEX0033668	chr17	11685660	11828176	11828312	12031468	+
Park2	MmuEX0033669	chr17	11033355	11259995	11260158	11430328	+
Park2	MmuEX0033670	chr17	11260158	11373123	11373240	11430328	+
Park2	MmuEX0033671	chr17	11260158	11430328	11430568	11496456	+
Park7	MmuEX0033672	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Park7	MmuEX0033673	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Park7	MmuEX0033674	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Park7	MmuEX0033675	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Park7	MmuEX0033676	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Parl	MmuEX0033678	chr16	20288025	20298204	20298399	20302282	-
Parl	MmuEX0033679	chr16	20288025	20297666	20297799	20302282	-
Parl	MmuEX0033680	chr16	20288025	20293427	20293475	20297666	-
Parn	MmuEX0033681	chr16	13648592	13650728	13650770	13651891	-
Parn	MmuEX0033682	chr16	13647392	13648512	13648592	13650728	-
Parn	MmuEX0033683	chr16	13628542	13629676	13629718	13631623	-
Parn	MmuEX0033684	chr16	13566831	13585347	13585405	13603121	-
Parn	MmuEX0033685	chr16	13541341	13566663	13566831	13603121	-
Parn	MmuEX0033686	chr16	13566831	13579326	13579382	13585347	-
Parn	MmuEX0033687	chr16	13654686	13657009	13657069	13664749	-
Parn	MmuEX0033688	chr16	13664830	13664914	13664981	13665991	-
Parn	MmuEX0033689	chr16	13538995	13541148	13541341	13566663	-
Parn	MmuEX0033690	chr16	13651929	13652738	13652803	13654542	-
Parn	MmuEX0033691	chr16	13651929	13652486	13652576	13652738	-
Parn	MmuEX0033692	chr16	13640423	13647336	13647392	13648512	-
Parp1	MmuEX0033693	chr1	1.82E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp1	MmuEX0033694	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp1	MmuEX0033695	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp1	MmuEX0033696	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp1	MmuEX0033697	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp1	MmuEX0033698	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp1	MmuEX0033699	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Parp10	MmuEX0033700	chr15	76064302	76070479	76070612	76070717	-
Parp10	MmuEX0033701	chr15	76071411	76071586	76071658	76071756	-
Parp11	MmuEX0033702	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Parp11	MmuEX0033703	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Parp11	MmuEX0033704	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+

Parp11	MmuEX0033705	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Parp11	MmuEX0033706	chr6	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Parp12	MmuEX0033707	chr6	39052681	39055889	39055990	39061510	-
Parp12	MmuEX0033708	chr6	39040328	39041304	39041379	39043627	-
Parp12	MmuEX0033709	chr6	39043723	39046535	39046676	39050248	-
Parp14	MmuEX0033710	chr16	35836251	35839348	35839481	35840808	-
Parp16	MmuEX0033712	chr9	65062670	65063156	65063439	65073860	+
Parp16	MmuEX0033713	chr9	65077819	65081476	65081647	65082035	+
Parp16	MmuEX0033714	chr9	65073997	65077613	65077819	65081476	+
Parp16	MmuEX0033715	chr9	65081647	65083644	65083748	65084448	+
Parp2	MmuEX0033716	chr14	51439163	51439336	51439463	51439617	+
Parp2	MmuEX0033717	chr14	51440251	51440470	51440594	51440710	+
Parp2	MmuEX0033718	chr14	51436798	51437007	51437145	51438885	+
Parp2	MmuEX0033719	chr14	51434641	51435027	51435102	51435872	+
Parp3	MmuEX0033720	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Parp3	MmuEX0033721	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Parp3	MmuEX0033722	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Parp4	MmuEX0033723	chr14	57229677	57232259	57232375	57232491	+
Parp4	MmuEX0033724	chr14	57232655	57233237	57233283	57233524	+
Parp4	MmuEX0033725	chr14	57248384	57252327	57252412	57253049	+
Parp4	MmuEX0033726	chr14	57253129	57254564	57254659	57256685	+
Parp4	MmuEX0033727	chr14	57256807	57260092	57260154	57266011	+
Parp4	MmuEX0033728	chr14	57212234	57214091	57214251	57216413	+
Parp6	MmuEX0033729	chr9	59476475	59478426	59478636	59479147	+
Parp6	MmuEX0033730	chr9	59485508	59487571	59487619	59487847	+
Parp6	MmuEX0033731	chr9	59466514	59470156	59470350	59470930	+
Parp6	MmuEX0033732	chr9	59488903	59489930	59490020	59496637	+
Parp6	MmuEX0033733	chr9	59497160	59497326	59497410	59497731	+
Parp6	MmuEX0033734	chr9	59471007	59471725	59471819	59472180	+
Parp6	MmuEX0033735	chr9	59473196	59475879	59475938	59476326	+
Parp6	MmuEX0033736	chr9	59465215	59466275	59466514	59470156	+
Parp6	MmuEX0033737	chr9	59472561	59473130	59473196	59476326	+
Parp6	MmuEX0033738	chr9	59481411	59482663	59482788	59484477	+
Parp6	MmuEX0033739	chr9	59485508	59487847	59487956	59496637	+
Parp6	MmuEX0033740	chr9	59487956	59488831	59488903	59496637	+
Parp6	MmuEX0033741	chr9	59488903	59489548	59489617	59496637	+
Parp8	MmuEX0033742	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033743	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033744	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033745	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033746	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033747	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033748	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp8	MmuEX0033749	chr13	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Parp9	MmuEX0033750	chr16	35939146	35941119	35941221	35943455	+
Parp9	MmuEX0033751	chr16	35960147	35964061	35964450	35967736	+
Parp9	MmuEX0033752	chr16	35941221	35943455	35943488	35947587	+

Parp9	MmuEX0033753	chr16	35943488	35947587	35948440	35953649	+
Parp9	MmuEX0033754	chr16	35943596	35945855	35946038	35947587	+
Parvb	MmuEX0033756	chr15	84103999	84113192	84113294	84120817	+
Parvb	MmuEX0033757	chr15	84062616	84091076	84091304	84101661	+
Parvb	MmuEX0033758	chr15	84113294	84120817	84120957	84123212	+
Patl1	MmuEX0033774	chr19	12006725	12008170	12008229	12010169	+
Patl1	MmuEX0033775	chr19	12008229	12010169	12010317	12011710	+
Patl1	MmuEX0033776	chr19	11997058	11997877	11997966	11998291	+
Patl1	MmuEX0033777	chr19	11999716	12004365	12004545	12006023	+
Patl1	MmuEX0033778	chr19	11996053	11996411	11996484	11996957	+
Patz1	MmuEX0033785	chr11	3189350	3189872	3191887	3193283	+
Patz1	MmuEX0033786	chr11	3189350	3193283	3193346	3206226	+
Patz1	MmuEX0033787	chr11	3193346	3194459	3194550	3199037	+
Patz1	MmuEX0033788	chr11	3193346	3199037	3199208	3207651	+
Patz1	MmuEX0033789	chr11	3199208	3206291	3206363	3207651	+
Paxip1	MmuEX0033810	chr5	28099164	28100567	28100658	28102106	-
Paxip1	MmuEX0033811	chr5	28075454	28077503	28077671	28079284	-
Paxip1	MmuEX0033812	chr5	28070715	28070797	28070872	28070961	-
Paxip1	MmuEX0033813	chr5	28099164	28102106	28102219	28107962	-
Paxip1	MmuEX0033814	chr5	28102219	28106802	28106812	28107962	-
Paxip1	MmuEX0033815	chr5	28086031	28086513	28086650	28088117	-
Paxip1	MmuEX0033816	chr5	28083536	28085910	28086031	28091678	-
Paxip1	MmuEX0033817	chr5	28083536	28084971	28085155	28091678	-
Paxip1	MmuEX0033818	chr5	28077671	28081025	28081095	28083493	-
Paxip1	MmuEX0033819	chr5	28077671	28079284	28079386	28081025	-
Paxip1	MmuEX0033820	chr5	28102219	28110270	28110313	28115183	-
Paxip1	MmuEX0033821	chr5	28102219	28107962	28108025	28110221	-
Pbld2	MmuEX0033823	chr10	62517253	62519527	62519589	62520389	+
Pbld2	MmuEX0033824	chr10	62515206	62516612	62516700	62517075	+
Pbrm1	MmuEX0033825	chr14	31840731	31844030	31844177	31845595	+
Pbrm1	MmuEX0033826	chr14	31849245	31852119	31852187	31853619	+
Pbrm1	MmuEX0033827	chr14	31852187	31853619	31853717	31857810	+
Pbrm1	MmuEX0033828	chr14	31853717	31857810	31857895	31858516	+
Pbrm1	MmuEX0033829	chr14	31858611	31859518	31859609	31863224	+
Pbrm1	MmuEX0033830	chr14	31859609	31863224	31863437	31865366	+
Pbrm1	MmuEX0033831	chr14	31869466	31874655	31874931	31877932	+
Pbrm1	MmuEX0033832	chr14	31874931	31877932	31878037	31880508	+
Pbrm1	MmuEX0033833	chr14	31881150	31887957	31888168	31895736	+
Pbrm1	MmuEX0033834	chr14	31832888	31838684	31838836	31840634	+
Pbrm1	MmuEX0033835	chr14	31895921	31897260	31897417	31897972	+
Pbrm1	MmuEX0033836	chr14	31918716	31919324	31919534	31920295	+
Pbrm1	MmuEX0033837	chr14	31927190	31930199	31930269	31930386	+
Pbrm1	MmuEX0033838	chr14	31930269	31930386	31930602	31931915	+
Pbrm1	MmuEX0033839	chr14	31838836	31840634	31840731	31844030	+
Pbrm1	MmuEX0033840	chr14	31857895	31858516	31858611	31859518	+
Pbrm1	MmuEX0033841	chr14	31867441	31869422	31869466	31874655	+
Pbrm1	MmuEX0033842	chr14	31900847	31902651	31902808	31918533	+

Pbrm1	MmuEX0033843	chr14	31832479	31835906	31836045	31838684	+
Pbrm1	MmuEX0033844	chr14	31836045	31836253	31836356	31838684	+
Pbrm1	MmuEX0033845	chr14	31920496	31923601	31923765	31927035	+
Pbrm1	MmuEX0033846	chr14	31920496	31927035	31927190	31930199	+
Pbx1	MmuEX0033847	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Pbx1	MmuEX0033848	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Pbx1	MmuEX0033849	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Pbx1	MmuEX0033850	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Pbx3	MmuEX0033851	chr2	34068992	34080065	34080166	34226344	-
Pbx3	MmuEX0033852	chr2	34031474	34032269	34032381	34033607	-
Pbxip1	MmuEX0033858	chr3	89240702	89243439	89243523	89247044	+
Pbxip1	MmuEX0033859	chr3	89250095	89250202	89250333	89250968	+
Pbxip1	MmuEX0033860	chr3	89247438	89247518	89247677	89249374	+
Pcbd2	MmuEX0033862	chr13	55828835	55834297	55834428	55876728	+
Pcbd2	MmuEX0033863	chr13	55834428	55835118	55835170	55876728	+
Pcbd2	MmuEX0033864	chr13	55834428	55841817	55841884	55876728	+
Pcbp2	MmuEX0033865	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pcbp2	MmuEX0033866	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pcbp2	MmuEX0033867	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pcbp3	MmuEX0033870	chr10	76247959	76251136	76251264	76252483	-
Pcbp3	MmuEX0033871	chr10	76233784	76244577	76244618	76247885	-
Pcbp3	MmuEX0033874	chr10	76244618	76247885	76247959	76251136	-
Pcbp3	MmuEX0033875	chr10	76233064	76233706	76233781	76244577	-
Pcbp4	MmuEX0033880	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pcbp4	MmuEX0033881	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pcbp4	MmuEX0033882	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pcca	MmuEX0033883	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033884	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033885	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033886	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033887	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033888	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033889	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033890	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033891	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033892	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033893	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033894	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033895	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033896	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033897	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033898	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033899	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pcca	MmuEX0033900	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pccb	MmuEX0033901	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pccb	MmuEX0033902	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pccb	MmuEX0033903	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-

Pccb	MmuEX0033904	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pccb	MmuEX0033905	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pccb	MmuEX0033906	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pccb	MmuEX0033907	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pcdh1	MmuEX0033908	chr18	38349596	38350715	38350753	38351706	-
Pcdh1	MmuEX0033909	chr18	38351925	38362398	38363260	38371443	-
Pcdh1	MmuEX0033910	chr18	38351925	38356987	38359182	38371443	-
Pcdh19	MmuEX0033937	chrX	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Pcdh19	MmuEX0033938	chrX	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Pcdh7	MmuEX0033939	chr5	58304611	58333406	58333501	58520214	+
Pcdh7	MmuEX0033940	chr5	58113517	58304395	58304587	58520214	+
Pcf11	MmuEX0033943	chr7	99812665	99814250	99814375	99817939	-
Pcf11	MmuEX0033944	chr7	99812166	99812477	99812665	99814250	-
Pcf11	MmuEX0033945	chr7	99808398	99808510	99808690	99809469	-
Pcf11	MmuEX0033946	chr7	99798085	99801660	99801759	99805818	-
Pcgf2	MmuEX0033949	chr11	97552355	97552717	97552724	97552998	-
Pcgf2	MmuEX0033950	chr11	97554882	97560850	97560962	97561574	-
Pcgf2	MmuEX0033951	chr11	97554882	97560520	97560614	97560850	-
Pcgf2	MmuEX0033952	chr11	97554882	97559303	97559374	97560520	-
Pcgf3	MmuEX0033953	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033954	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033955	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033956	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033957	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033958	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033959	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf3	MmuEX0033960	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pcgf5	MmuEX0033961	chr19	36517432	36519478	36519567	36530111	+
Pcgf5	MmuEX0033962	chr19	36519567	36519712	36519765	36525054	+
Pcgf5	MmuEX0033963	chr19	36509156	36511645	36511700	36511793	+
Pcgf5	MmuEX0033964	chr19	36519567	36525054	36525113	36530111	+
Pcgf6	MmuEX0033965	chr19	47109175	47111728	47111814	47114534	-
Pcgf6	MmuEX0033967	chr19	47117283	47120300	47120408	47122437	-
Pcid2	MmuEX0033968	chr8	13094197	13098563	13098636	13100325	-
Pcid2	MmuEX0033969	chr8	13097668	13097967	13098065	13098563	-
Pcid2	MmuEX0033970	chr8	13094197	13097603	13097668	13100325	-
Pcid2	MmuEX0033971	chr8	13094197	13095831	13095872	13100325	-
Pcid2	MmuEX0033972	chr8	13086326	13090657	13090760	13094143	-
Pcif1	MmuEX0033973	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Pcif1	MmuEX0033974	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Pcif1	MmuEX0033975	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Pcif1	MmuEX0033976	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Pcif1	MmuEX0033977	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Pcif1	MmuEX0033978	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Pck2	MmuEX0033979	chr14	56159350	56159663	56159692	56161243	+
Pck2	MmuEX0033980	chr14	56161488	56162426	56162610	56162697	+
Pck2	MmuEX0033981	chr14	56162900	56163232	56163419	56163722	+

Pcm1	MmuEX0033984	chr8	42407405	42410309	42410371	42410618	+
Pcm1	MmuEX0033985	chr8	42416079	42416160	42416274	42417337	+
Pcm1	MmuEX0033986	chr8	42352718	42355795	42355904	42357598	+
Pcm1	MmuEX0033987	chr8	42346535	42346714	42346830	42352541	+
Pcm1	MmuEX0033988	chr8	42359652	42360349	42360522	42361007	+
Pcm1	MmuEX0033989	chr8	42368074	42368910	42369100	42371319	+
Pcm1	MmuEX0033990	chr8	42374175	42376075	42376246	42378812	+
Pcm1	MmuEX0033991	chr8	42399335	42401277	42401408	42407208	+
Pcm1	MmuEX0033992	chr8	42379170	42389341	42389505	42394874	+
Pcm1	MmuEX0033993	chr8	42379170	42394874	42395046	42397512	+
Pcm1	MmuEX0033994	chr8	42379170	42395363	42395494	42397512	+
Pcmt1	MmuEX0033995	chr10	7358023	7359843	7359928	7360493	-
Pcmt1	MmuEX0033996	chr10	7367419	7368265	7368458	7368849	-
Pcmt1	MmuEX0033997	chr10	7358023	7358666	7358793	7359843	-
Pcmt1	MmuEX0033998	chr10	7350774	7357854	7358023	7359843	-
Pcmtd1	MmuEX0033999	chr1	7079297	7080940	7081072	7110275	+
Pcmtd1	MmuEX0034000	chr1	7110696	7137718	7137820	7150973	+
Pcmtd1	MmuEX0034001	chr1	7151144	7153329	7153452	7159596	+
Pcmtd1	MmuEX0034002	chr1	7079297	7110275	7110680	7137718	+
Pcmtd1	MmuEX0034003	chr1	7137820	7145161	7145352	7150973	+
Pcmtd2	MmuEX0034004	chr2	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Pcmtd2	MmuEX0034005	chr2	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Pcmtd2	MmuEX0034006	chr2	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Pcnp	MmuEX0034007	chr16	56024551	56024647	56024750	56029716	-
Pcnp	MmuEX0034008	chr16	56018640	56024337	56024499	56029716	-
Pcnt	MmuEX0034010	chr10	75867396	75869437	75869469	75871443	-
Pcnt	MmuEX0034011	chr10	75866619	75867167	75867396	75871443	-
Pcnt	MmuEX0034012	chr10	75844932	75847486	75847650	75848449	-
Pcnt	MmuEX0034013	chr10	75832824	75837596	75838045	75842650	-
Pcnt	MmuEX0034014	chr10	75890798	75891945	75892056	75895749	-
Pcnt	MmuEX0034015	chr10	75844170	75844765	75844932	75847486	-
Pcnt	MmuEX0034016	chr10	75864280	75866369	75866389	75866503	-
Pcnt	MmuEX0034017	chr10	75819899	75832580	75832824	75837596	-
Pcnt	MmuEX0034018	chr10	75819899	75831476	75831578	75832580	-
Pcnt	MmuEX0034019	chr10	75819899	75830053	75830226	75831476	-
Pcnx	MmuEX0034020	chr12	83049402	83051088	83051305	83053775	+
Pcnx	MmuEX0034021	chr12	83051305	83053775	83053928	83057218	+
Pcnx	MmuEX0034022	chr12	83061091	83063625	83063716	83065025	+
Pcnx	MmuEX0034023	chr12	83068135	83072233	83072383	83074201	+
Pcnx	MmuEX0034024	chr12	83084685	83085306	83085524	83087646	+
Pcnx	MmuEX0034025	chr12	83014462	83015874	83015921	83018652	+
Pcnx	MmuEX0034026	chr12	83029361	83034518	83034702	83047918	+
Pcnx	MmuEX0034027	chr12	82996178	83007436	83007541	83013652	+
Pcnx	MmuEX0034028	chr12	83014462	83018652	83020367	83047918	+
Pcnx	MmuEX0034029	chr12	83020367	83029232	83029361	83047918	+
Pcnx	MmuEX0034030	chr12	83048008	83048827	83048859	83049345	+
Pcnx	MmuEX0034031	chr12	83048008	83049345	83049402	83051088	+

Pcnx13	MmuEX0034047	chr19	5680396	5681432	5681553	5683277	-
Pcnx13	MmuEX0034048	chr19	5678752	5678912	5679003	5679360	-
Pcnx13	MmuEX0034049	chr19	5673354	5673480	5673588	5674877	-
Pcnx13	MmuEX0034050	chr19	5667609	5667802	5667872	5671523	-
Pcnx13	MmuEX0034051	chr19	5665247	5665329	5665623	5665708	-
Pcnx13	MmuEX0034052	chr19	5665841	5666150	5666424	5666509	-
Pcolce	MmuEX0034053	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pcolce	MmuEX0034054	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pcolce	MmuEX0034055	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pcolce	MmuEX0034056	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pcsk4	MmuEX0034064	chr10	79784696	79784826	79784954	79785469	-
Pcsk6	MmuEX0034076	chr7	73170293	73170452	73170490	73176635	+
Pcsk7	MmuEX0034077	chr9	45724171	45726659	45726712	45726845	+
Pcsk7	MmuEX0034078	chr9	45727977	45733994	45734150	45734817	+
Pcsk7	MmuEX0034079	chr9	45719332	45721034	45721124	45722413	+
Pcsk7	MmuEX0034080	chr9	45715386	45716611	45716734	45717343	+
Pcsk7	MmuEX0034081	chr9	45723309	45724071	45724171	45726845	+
Pcsk7	MmuEX0034082	chr9	45727012	45727329	45727436	45727875	+
Pcsk7	MmuEX0034083	chr9	45727436	45727875	45727977	45733994	+
Pcsk7	MmuEX0034084	chr9	45734150	45734817	45734911	45735658	+
Pcsk7	MmuEX0034085	chr9	45734911	45735120	45735201	45735658	+
Pctp	MmuEX0034086	chr11	89850088	89852385	89852502	89864016	-
Pctp	MmuEX0034087	chr11	89846070	89847407	89847474	89848510	-
Pctp	MmuEX0034088	chr11	89848681	89849670	89849672	89850009	-
Pcx	MmuEX0034089	chr19	4602049	4602210	4602375	4602474	+
Pcx	MmuEX0034090	chr19	4610046	4617580	4617724	4617965	+
Pcx	MmuEX0034091	chr19	4618520	4618958	4619198	4619320	+
Pcyox1	MmuEX0034092	chr6	86339365	86341670	86341822	86342131	-
Pcyox1	MmuEX0034093	chr6	86344577	86345908	86346114	86346967	-
Pcyox1	MmuEX0034094	chr6	86342342	86344403	86344577	86346967	-
Pcyt1a	MmuEX0034097	chr16	32463268	32466526	32466604	32467164	+
Pcyt2	MmuEX0034098	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Pcyt2	MmuEX0034099	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Pcyt2	MmuEX0034100	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Pdcd11	MmuEX0034102	chr19	47165357	47167023	47167127	47167272	+
Pdcd11	MmuEX0034103	chr19	47178366	47178523	47178583	47179146	+
Pdcd11	MmuEX0034104	chr19	47186643	47187631	47188205	47189045	+
Pdcd11	MmuEX0034105	chr19	47194385	47194737	47194914	47198921	+
Pdcd11	MmuEX0034106	chr19	47175660	47177057	47177263	47178242	+
Pdcd2	MmuEX0034109	chr17	15658757	15658880	15658993	15659767	-
Pdcd2l	MmuEX0034110	chr7	34974475	34977755	34978125	34981085	-
Pdcd2l	MmuEX0034111	chr7	34971461	34971950	34972012	34974368	-
Pdcd2l	MmuEX0034112	chr7	34969830	34971313	34971461	34974368	-
Pdcd2l	MmuEX0034113	chr7	34981145	34981291	34981457	34981555	-
Pdcd4	MmuEX0034114	chr19	53987415	53994105	53994326	53995708	+
Pdcd4	MmuEX0034115	chr19	54001135	54001684	54001823	54003573	+
Pdcd4	MmuEX0034116	chr19	53978358	53978546	53978668	53981939	+

Pdcd4	MmuEX0034117	chr19	53982045	53983602	53983904	53985418	+
Pdcd6ip	MmuEX0034118	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Pdcd6ip	MmuEX0034119	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Pdcd6ip	MmuEX0034120	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Pdcd6ip	MmuEX0034121	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Pdcd7	MmuEX0034122	chr9	65204288	65204525	65204612	65206401	+
Pdcl	MmuEX0034123	chr2	37212900	37213872	37213918	37214663	-
Pdcl3	MmuEX0034126	chr1	39044882	39048091	39048216	39051760	+
Pddc1	MmuEX0034127	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pde10a	MmuEX0034130	chr17	9170081	9171770	9171858	9174398	+
Pde12	MmuEX0034138	chr14	27485453	27485864	27485942	27487734	-
Pde1a	MmuEX0034139	chr2	79737362	79738223	79738339	79741969	-
Pde1b	MmuEX0034141	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Pde1c	MmuEX0034142	chr6	56089505	56092088	56092169	56100590	-
Pde1c	MmuEX0034143	chr6	56295146	56311739	56311854	56319535	-
Pde1c	MmuEX0034144	chr6	56131791	56295120	56295146	56311739	-
Pde1c	MmuEX0034145	chr6	56032182	56041357	56041425	56072986	-
Pde1c	MmuEX0034146	chr6	56022369	56032123	56032182	56041357	-
Pde2a	MmuEX0034147	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pde2a	MmuEX0034148	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pde2a	MmuEX0034149	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pde3a	MmuEX0034151	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Pde3a	MmuEX0034152	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Pde3b	MmuEX0034153	chr7	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Pde3b	MmuEX0034154	chr7	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Pde3b	MmuEX0034156	chr7	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Pde4a	MmuEX0034157	chr9	20995962	20996839	20996875	20996964	+
Pde4a	MmuEX0034158	chr9	20997034	20999019	20999068	20999190	+
Pde4b	MmuEX0034159	chr4	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pde4b	MmuEX0034160	chr4	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pde4b	MmuEX0034161	chr4	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pde4b	MmuEX0034162	chr4	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pde4d	MmuEX0034167	chr13	1.09E+08	1.09E+08	1.09E+08	1.1E+08	+
Pde4d	MmuEX0034168	chr13	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Pde4dip	MmuEX0034169	chr3	97561574	97562722	97562853	97596662	-
Pde4dip	MmuEX0034170	chr3	97545368	97546412	97546524	97547088	-
Pde4dip	MmuEX0034171	chr3	97523640	97528012	97528244	97534750	-
Pde4dip	MmuEX0034172	chr3	97515371	97516991	97517226	97519037	-
Pde4dip	MmuEX0034173	chr3	97503156	97503718	97503907	97505481	-
Pde4dip	MmuEX0034174	chr3	97501137	97502742	97502869	97503032	-
Pde4dip	MmuEX0034175	chr3	97494776	97495408	97495468	97496244	-
Pde4dip	MmuEX0034176	chr3	97597531	97600655	97600731	97628138	-
Pde4dip	MmuEX0034177	chr3	97510980	97513405	97513503	97514144	-
Pde4dip	MmuEX0034178	chr3	97507341	97510795	97510980	97514144	-
Pde6d	MmuEX0034192	chr1	88443357	88444104	88444192	88445819	-
Pde6d	MmuEX0034193	chr1	88440158	88442277	88442382	88443232	-
Pde7a	MmuEX0034195	chr3	19133191	19133676	19133807	19135913	-

Pde7a	MmuEX0034196	chr3	19133191	19133460	19133617	19135913	-
Pde7a	MmuEX0034197	chr3	19127841	19129688	19129768	19130256	-
Pde7a	MmuEX0034198	chr3	19129768	19130256	19130352	19130957	-
Pde7a	MmuEX0034199	chr3	19143201	19156778	19156861	19160232	-
Pde7a	MmuEX0034200	chr3	19136539	19143050	19143201	19156778	-
Pde7a	MmuEX0034202	chr3	19136539	19141146	19141209	19143050	-
Pde7a	MmuEX0034203	chr3	19136013	19136444	19136539	19141146	-
Pde7b	MmuEX0034204	chr10	20154402	20156002	20156102	20158531	-
Pde7b	MmuEX0034205	chr10	20160634	20163024	20163175	20199481	-
Pde8a	MmuEX0034208	chr7	88358974	88426064	88426120	88427709	+
Pde8a	MmuEX0034209	chr7	88358974	88427709	88427899	88437123	+
Pde8a	MmuEX0034210	chr7	88453867	88454585	88454781	88459996	+
Pde8a	MmuEX0034211	chr7	88454781	88459627	88459670	88459996	+
Pde8a	MmuEX0034212	chr7	88427899	88437123	88437179	88438018	+
Pde8a	MmuEX0034213	chr7	88464002	88464209	88464344	88465538	+
Pde8a	MmuEX0034214	chr7	88438072	88440564	88440652	88445526	+
Pde8a	MmuEX0034215	chr7	88440652	88445526	88445604	88453691	+
Pde8a	MmuEX0034216	chr7	88445604	88447041	88447178	88453691	+
Pde8a	MmuEX0034217	chr7	88447178	88451581	88451669	88453691	+
Pde9a	MmuEX0034225	chr17	31606843	31607626	31607754	31608704	+
Pde9a	MmuEX0034227	chr17	31596950	31597124	31597194	31598516	+
Pde9a	MmuEX0034228	chr17	31603413	31606739	31606843	31607626	+
Pdgfa	MmuEX0034230	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Pdgfa	MmuEX0034231	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Pdgfb	MmuEX0034232	chr15	79833844	79835899	79835995	79844366	-
Pdgfc	MmuEX0034234	chr3	80841476	80945327	80945522	80978738	+
Pdgfc	MmuEX0034235	chr3	80945522	80978738	80978918	81008157	+
Pdgfd	MmuEX0034236	chr9	6333386	6337243	6337441	6376895	+
Pdgfd	MmuEX0034237	chr9	6337441	6359703	6359917	6376895	+
Pdgfra	MmuEX0034238	chr5	75574087	75576193	75576297	75577024	+
Pdgfra	MmuEX0034239	chr5	75576297	75577024	75577134	75577547	+
Pdgfrb	MmuEX0034240	chr18	61239389	61239950	61240049	61240609	+
Pdgfrb	MmuEX0034241	chr18	61205226	61205684	61205754	61219798	+
Pdgfrb	MmuEX0034242	chr18	61205226	61219798	61219843	61223521	+
Pdgfrb	MmuEX0034243	chr18	61205226	61220859	61221179	61223521	+
Pdha1	MmuEX0034244	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Pdhb	MmuEX0034245	chr14	9004044	9005278	9005331	9005405	-
Pdhx	MmuEX0034246	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Pdhx	MmuEX0034247	chr2	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Pdia3	MmuEX0034249	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Pdia3	MmuEX0034250	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Pdia4	MmuEX0034251	chr6	47757210	47758174	47758342	47763216	-
Pdia4	MmuEX0034252	chr6	47753909	47754024	47754157	47756505	-
Pdia4	MmuEX0034253	chr6	47748597	47749185	47749341	47750937	-
Pdia5	MmuEX0034254	chr16	35404169	35404950	35405116	35407720	-
Pdia5	MmuEX0034255	chr16	35456631	35464421	35464508	35466617	-
Pdia5	MmuEX0034256	chr16	35411083	35422952	35423088	35429819	-

Pdia6	MmuEX0034257	chr12	17280808	17281190	17281316	17284004	+
Pdk1	MmuEX0034260	chr2	71725515	71726953	71727051	71733746	+
Pdk1	MmuEX0034261	chr2	71711875	71713463	71713604	71718096	+
Pdk1	MmuEX0034262	chr2	71713604	71715331	71715441	71718096	+
Pdk1	MmuEX0034263	chr2	71727051	71733746	71733856	71738041	+
Pdk1	MmuEX0034264	chr2	71727051	71735704	71735817	71738041	+
Pdk1	MmuEX0034265	chr2	71721989	71724039	71724116	71725439	+
Pdk1	MmuEX0034266	chr2	71724116	71725439	71725515	71726953	+
Pdk2	MmuEX0034267	chr11	94888636	94889179	94889292	94889793	-
Pdk3	MmuEX0034268	chrX	91034310	91045453	91045542	91047548	-
Pdk3	MmuEX0034269	chrX	91014367	91022648	91022761	91026806	-
Pdk3	MmuEX0034270	chrX	91026916	91027485	91027586	91029119	-
Pdk3	MmuEX0034271	chrX	91029195	91034233	91034310	91045453	-
Pdk3	MmuEX0034272	chrX	91054281	91059266	91059407	91077186	-
Pdk3	MmuEX0034273	chrX	91047732	91054210	91054281	91059266	-
Pdk4	MmuEX0034274	chr6	5442777	5444890	5445031	5446033	-
Pdlim3	MmuEX0034277	chr8	46985913	46993823	46994010	47000483	+
Pdlim3	MmuEX0034278	chr8	46985913	46994373	46994440	47000483	+
Pdlim3	MmuEX0034279	chr8	46994440	46999051	46999314	47000483	+
Pdlim4	MmuEX0034280	chr11	53869826	53877137	53877288	53882342	-
Pdlim4	MmuEX0034281	chr11	53869826	53873440	53873518	53882342	-
Pdlim5	MmuEX0034282	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034283	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034284	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034285	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034286	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034287	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034288	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034289	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034290	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim5	MmuEX0034291	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pdlim7	MmuEX0034292	chr13	55613779	55614088	55614345	55614728	-
Pdlim7	MmuEX0034293	chr13	55607529	55607667	55607728	55608691	-
Pdlim7	MmuEX0034294	chr13	55607728	55608479	55608484	55608691	-
Pdlim7	MmuEX0034295	chr13	55608484	55608691	55608727	55608849	-
Pdlim7	MmuEX0034296	chr13	55607728	55608180	55608484	55608691	-
Pdlim7	MmuEX0034297	chr13	55609002	55609569	55609687	55610141	-
Pdlim7	MmuEX0034298	chr13	55609002	55609225	55609241	55609551	-
Pdp1	MmuEX0034299	chr4	11889380	11892761	11892795	11893449	-
Pdpk1	MmuEX0034300	chr17	24244238	24247815	24248084	24278404	-
Pdpk1	MmuEX0034301	chr17	24230254	24230507	24230575	24235061	-
Pdpk1	MmuEX0034302	chr17	24217402	24224971	24225188	24228388	-
Pdpk1	MmuEX0034303	chr17	24216109	24216459	24216611	24217345	-
Pdpk1	MmuEX0034304	chr17	24230575	24234175	24234288	24235061	-
Pdpk1	MmuEX0034305	chr17	24237875	24244196	24244238	24247815	-
Pdpk1	MmuEX0034306	chr17	24237875	24243794	24243931	24247815	-
Pdpk1	MmuEX0034307	chr17	24237875	24238569	24238713	24247815	-

Pdpr	MmuEX0034308	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Pdpr	MmuEX0034309	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pdpr	MmuEX0034310	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pdpr	MmuEX0034311	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pdpr	MmuEX0034312	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pdpr	MmuEX0034313	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pdpr	MmuEX0034314	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pdrg1	MmuEX0034315	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Pdrg1	MmuEX0034316	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Pds5a	MmuEX0034317	chr5	66057550	66071813	66071957	66088002	-
Pds5a	MmuEX0034318	chr5	66055753	66057347	66057550	66088002	-
Pds5a	MmuEX0034319	chr5	66019003	66019238	66019361	66021158	-
Pds5a	MmuEX0034320	chr5	66010291	66010859	66011004	66011789	-
Pds5a	MmuEX0034321	chr5	66006843	66009675	66009823	66010183	-
Pds5a	MmuEX0034322	chr5	66001434	66006503	66006843	66010183	-
Pds5a	MmuEX0034323	chr5	66025569	66026554	66026677	66028981	-
Pds5a	MmuEX0034324	chr5	66021294	66022952	66023020	66025411	-
Pds5b	MmuEX0034325	chr5	1.51E+08	1.52E+08	1.52E+08	1.52E+08	+
Pds5b	MmuEX0034326	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pds5b	MmuEX0034327	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pds5b	MmuEX0034328	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pds5b	MmuEX0034329	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pds5b	MmuEX0034330	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pds5b	MmuEX0034331	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pdss1	MmuEX0034332	chr2	22768261	22769651	22769939	22770722	+
Pdss1	MmuEX0034333	chr2	22785377	22791079	22791159	22795343	+
Pdss1	MmuEX0034334	chr2	22762445	22768120	22768261	22770722	+
Pdss1	MmuEX0034335	chr2	22785140	22785264	22785377	22791079	+
Pdss1	MmuEX0034336	chr2	22791159	22794599	22794726	22795343	+
Pdss1	MmuEX0034337	chr2	22751282	22755439	22755503	22756801	+
Pdss1	MmuEX0034338	chr2	22751282	22756801	22756865	22757273	+
Pdss2	MmuEX0034339	chr10	42941866	43018605	43018739	43065334	+
Pdss2	MmuEX0034340	chr10	43115498	43133321	43133353	43159605	+
Pdss2	MmuEX0034341	chr10	43018739	43065334	43065532	43091941	+
Pdss2	MmuEX0034342	chr10	43092015	43113677	43113850	43133321	+
Pdss2	MmuEX0034343	chr10	43092015	43115367	43115498	43133321	+
Pdss2	MmuEX0034344	chr10	43115498	43122319	43122433	43133321	+
Pdxdc1	MmuEX0034345	chr16	13884724	13887790	13887863	13903008	-
Pdxdc1	MmuEX0034346	chr16	13845516	13847819	13847882	13854488	-
Pdxdc1	MmuEX0034347	chr16	13843969	13845428	13845516	13847819	-
Pdxdc1	MmuEX0034348	chr16	13834939	13836479	13836708	13837136	-
Pdxdc1	MmuEX0034349	chr16	13879665	13881971	13882051	13884659	-
Pdxdc1	MmuEX0034350	chr16	13882051	13884659	13884721	13887790	-
Pdxdc1	MmuEX0034351	chr16	13857595	13859203	13859251	13860047	-
Pdxdc1	MmuEX0034352	chr16	13857595	13858950	13859051	13860047	-
Pdxk	MmuEX0034353	chr10	77914328	77916219	77916273	77927506	-
Pdxk	MmuEX0034354	chr10	77909740	77910640	77910725	77911975	-

Pdxk-ps	MmuEX0034355	chr17	32215850	32216730	32216841	32218537	-
Pdzd11	MmuEX0034359	chrX	97819299	97819872	97819928	97820134	-
Pdzd2	MmuEX0034360	chr15	12318333	12319723	12319804	12328934	-
Pdzd2	MmuEX0034362	chr15	12349327	12375278	12375420	12387553	-
Pdzd2	MmuEX0034363	chr15	12312498	12331191	12331308	12387553	-
Pdzd2	MmuEX0034364	chr15	12312498	12318299	12318333	12319723	-
Pdzd2	MmuEX0034365	chr15	12312498	12317292	12317448	12318299	-
Pdzd2	MmuEX0034366	chr15	12306135	12314916	12315703	12317292	-
Pdzd2	MmuEX0034367	chr15	12306135	12312354	12312498	12314916	-
Pdzd2	MmuEX0034368	chr15	12349327	12372235	12372367	12387553	-
Pdzd2	MmuEX0034369	chr15	12349327	12366859	12367014	12372235	-
Pdzd2	MmuEX0034370	chr15	12340908	12349213	12349327	12366859	-
Pdzd2	MmuEX0034371	chr15	12337134	12340763	12340908	12349213	-
Pdzd2	MmuEX0034372	chr15	12312498	12337015	12337134	12387553	-
Pdzd2	MmuEX0034374	chr15	12312498	12332393	12332466	12387553	-
Pdzd2	MmuEX0034375	chr15	12312498	12332050	12332278	12387553	-
Pdzd3	MmuEX0034376	chr9	44056845	44056930	44057126	44057318	-
Pdzd3	MmuEX0034378	chr9	44056099	44056314	44056514	44056639	-
Pdzd8	MmuEX0034389	chr19	59376198	59379648	59379810	59389748	-
Pdzrn3	MmuEX0034394	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pdzrn3	MmuEX0034395	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pdzrn3	MmuEX0034396	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Pea15a	MmuEX0034397	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Pear1	MmuEX0034398	chr3	87564307	87566134	87566203	87572800	-
Pear1	MmuEX0034399	chr3	87556758	87557688	87557816	87557986	-
Pear1	MmuEX0034400	chr3	87555864	87556029	87556241	87556394	-
Pear1	MmuEX0034401	chr3	87555277	87555362	87555436	87555572	-
Pear1	MmuEX0034402	chr3	87562092	87562247	87562339	87563016	-
Pear1	MmuEX0034403	chr3	87555695	87555776	87555864	87556029	-
Pear1	MmuEX0034404	chr3	87560907	87561066	87561186	87561849	-
Pear1	MmuEX0034405	chr3	87563503	87564146	87564307	87566134	-
Pecam1	MmuEX0034407	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pecam1	MmuEX0034408	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pecam1	MmuEX0034409	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pecam1	MmuEX0034410	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pecam1	MmuEX0034411	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Peci	MmuEX0034412	chr13	35082685	35084937	35085099	35085883	-
Peci	MmuEX0034413	chr13	35080221	35081399	35081567	35082050	-
Peci	MmuEX0034414	chr13	35079437	35080152	35080221	35082050	-
Peci	MmuEX0034415	chr13	35072220	35077936	35078056	35079338	-
Pecr	MmuEX0034416	chr1	72306007	72306875	72306933	72308526	-
Pecr	MmuEX0034417	chr1	72308637	72313981	72314091	72316851	-
Pecr	MmuEX0034418	chr1	72306007	72308526	72308637	72313981	-
Pecr	MmuEX0034419	chr1	72321541	72322740	72322905	72323861	-
Pecr	MmuEX0034420	chr1	72321541	72322227	72322376	72322740	-
Pecr	MmuEX0034421	chr1	72316947	72321460	72321541	72322740	-
Pef1	MmuEX0034422	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+

Pef1	MmuEX0034423	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Peli1	MmuEX0034426	chr11	21036188	21040567	21040696	21042559	+
Peli1	MmuEX0034427	chr11	21042660	21046918	21047115	21047261	+
Peli2	MmuEX0034428	chr14	48740908	48787872	48788001	48859885	+
Peli2	MmuEX0034429	chr14	48859986	48870185	48870379	48872252	+
Pelp1	MmuEX0034433	chr11	70215568	70219129	70219234	70219759	-
Pelp1	MmuEX0034434	chr11	70215223	70215419	70215568	70219129	-
Pelp1	MmuEX0034435	chr11	70211039	70211145	70211274	70211568	-
Pelp1	MmuEX0034436	chr11	70209217	70209788	70209947	70210058	-
Pemt	MmuEX0034437	chr11	59797060	59845215	59845322	59859842	-
Pemt	MmuEX0034438	chr11	59784377	59784686	59784760	59787570	-
Pemt	MmuEX0034439	chr11	59797060	59837155	59837205	59845215	-
Pemt	MmuEX0034440	chr11	59790486	59796945	59797060	59845215	-
Pemt	MmuEX0034441	chr11	59787681	59790341	59790486	59796945	-
Pemt	MmuEX0034442	chr11	59784760	59787570	59787681	59790341	-
Peo1	MmuEX0034444	chr19	45082865	45083770	45084010	45084126	+
Pepd	MmuEX0034446	chr7	35697473	35706348	35706531	35709400	+
Pepd	MmuEX0034447	chr7	35806052	35806712	35806789	35816362	+
Pepd	MmuEX0034448	chr7	35706531	35709400	35709527	35719701	+
Pepd	MmuEX0034449	chr7	35756722	35765524	35765555	35805984	+
Per1	MmuEX0034450	chr11	68921552	68921863	68922013	68922583	+
Per1	MmuEX0034451	chr11	68914605	68914698	68914852	68914953	+
Per1	MmuEX0034452	chr11	68917923	68918136	68918315	68918892	+
Per2	MmuEX0034454	chr1	93334989	93336464	93336606	93337409	-
Per2	MmuEX0034455	chr1	93318131	93320267	93321063	93324316	-
Per3	MmuEX0034456	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Per3	MmuEX0034459	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Per3	MmuEX0034462	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Per3	MmuEX0034463	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Pes1	MmuEX0034466	chr11	3864063	3867136	3867138	3868266	+
Pet112l	MmuEX0034469	chr3	85379936	85393835	85394029	85405782	+
Pet112l	MmuEX0034470	chr3	85394029	85403596	85404586	85405782	+
Pet112l	MmuEX0034471	chr3	85379936	85405782	85405895	85415274	+
Pet112l	MmuEX0034472	chr3	85448970	85456203	85456337	85457646	+
Pet112l	MmuEX0034473	chr3	85405895	85408376	85408501	85415274	+
Pet112l	MmuEX0034474	chr3	85408501	85408937	85409059	85415274	+
Pet112l	MmuEX0034475	chr3	85379936	85415274	85415387	85440846	+
Pet112l	MmuEX0034476	chr3	85379936	85417385	85417469	85440846	+
Pet112l	MmuEX0034477	chr3	85379936	85420537	85420581	85440846	+
Pet112l	MmuEX0034478	chr3	85379936	85422746	85422935	85440846	+
Pet112l	MmuEX0034479	chr3	85422935	85440846	85440979	85456203	+
Pet112l	MmuEX0034480	chr3	85440979	85448892	85448970	85456203	+
Pex1	MmuEX0034481	chr5	3612963	3615075	3615207	3618817	+
Pex1	MmuEX0034482	chr5	3624586	3626000	3626134	3627518	+
Pex1	MmuEX0034483	chr5	3603375	3604796	3604879	3605434	+
Pex1	MmuEX0034484	chr5	3606410	3607667	3607786	3609854	+
Pex1	MmuEX0034485	chr5	3607786	3609854	3609977	3610179	+

Pex1	MmuEX0034486	chr5	3609977	3610179	3610288	3612881	+
Pex1	MmuEX0034487	chr5	3610288	3612881	3612963	3615075	+
Pex1	MmuEX0034488	chr5	3631765	3633716	3633946	3635315	+
Pex1	MmuEX0034489	chr5	3634030	3635315	3635507	3641354	+
Pex1	MmuEX0034490	chr5	3626134	3627518	3627582	3629970	+
Pex1	MmuEX0034491	chr5	3627582	3629970	3630112	3630189	+
Pex10	MmuEX0034492	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Pex11a	MmuEX0034493	chr7	86882796	86885051	86885166	86887796	-
Pex11a	MmuEX0034494	chr7	86882796	86884874	86884966	86885051	-
Pex11c	MmuEX0034495	chr8	3464100	3465783	3465971	3467572	-
Pex11c	MmuEX0034496	chr8	3460334	3463656	3463746	3463922	-
Pex11c	MmuEX0034497	chr8	3459434	3460272	3460334	3463922	-
Pex12	MmuEX0034498	chr11	83112055	83112414	83112757	83116012	-
Pex13	MmuEX0034499	chr11	23551055	23555436	23556130	23565747	-
Pex14	MmuEX0034500	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex14	MmuEX0034501	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex14	MmuEX0034502	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex14	MmuEX0034503	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex14	MmuEX0034504	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex14	MmuEX0034505	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex14	MmuEX0034506	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Pex16	MmuEX0034507	chr2	92219492	92220567	92220631	92221193	+
Pex16	MmuEX0034508	chr2	92216860	92217587	92217720	92217848	+
Pex19	MmuEX0034509	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Pex19	MmuEX0034510	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Pex19	MmuEX0034511	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Pex19	MmuEX0034512	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Pex19	MmuEX0034513	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Pex3	MmuEX0034515	chr10	13244774	13247547	13247643	13251064	-
Pex3	MmuEX0034516	chr10	13257280	13262430	13262511	13266156	-
Pex3	MmuEX0034517	chr10	13252216	13254478	13254643	13255361	-
Pex3	MmuEX0034518	chr10	13255581	13255749	13255873	13257237	-
Pex5	MmuEX0034519	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pex5	MmuEX0034520	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pex5	MmuEX0034521	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pex5	MmuEX0034522	chr6	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pex6	MmuEX0034535	chr17	46849333	46850857	46851020	46851410	+
Pex6	MmuEX0034536	chr17	46849333	46851080	46851162	46851410	+
Pex6	MmuEX0034537	chr17	46858827	46859193	46859388	46859571	+
Pex6	MmuEX0034538	chr17	46859388	46859571	46859647	46860061	+
Pex6	MmuEX0034539	chr17	46861456	46861576	46861653	46861774	+
Pex6	MmuEX0034540	chr17	46851493	46851855	46851974	46857277	+
Pex6	MmuEX0034541	chr17	46857379	46857461	46857594	46858132	+
Pex6	MmuEX0034542	chr17	46857594	46858132	46858243	46858619	+
Pex6	MmuEX0034543	chr17	46860684	46860868	46860976	46861340	+
Pex7	MmuEX0034544	chr10	19625708	19625901	19626002	19627265	-
Pex7	MmuEX0034545	chr10	19614608	19621477	19621557	19624369	-

Pex7	MmuEX0034546	chr10	19606979	19608462	19608568	19614056	-
Pex7	MmuEX0034547	chr10	19589199	19604584	19604639	19606866	-
Pex7	MmuEX0034548	chr10	19614164	19614531	19614608	19624369	-
Pfas	MmuEX0034550	chr11	68806540	68806799	68806960	68807068	-
Pfas	MmuEX0034551	chr11	68806288	68806418	68806540	68806799	-
Pfas	MmuEX0034553	chr11	68813871	68813951	68814091	68814376	-
Pfdn1	MmuEX0034554	chr18	36592044	36610734	36610900	36614107	-
Pfdn1	MmuEX0034555	chr18	36564111	36576601	36576684	36591960	-
Pfdn1	MmuEX0034556	chr18	36564114	36591960	36592044	36610734	-
Pfdn5	MmuEX0034557	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pfdn5	MmuEX0034558	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Pfkfb1	MmuEX0034559	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Pfkfb1	MmuEX0034560	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Pfkfb1	MmuEX0034562	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Pfkfb1	MmuEX0034563	chrX	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Pfkfb2	MmuEX0034564	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pfkfb2	MmuEX0034565	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pfkfb2	MmuEX0034566	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pfkfb2	MmuEX0034567	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pfkfb2	MmuEX0034568	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pfkfb2	MmuEX0034569	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pfkfb3	MmuEX0034570	chr2	11405978	11406282	11406489	11407846	-
Pfkfb3	MmuEX0034571	chr2	11404201	11405556	11405660	11405832	-
Pfkfb3	MmuEX0034572	chr2	11401998	11402874	11402960	11403498	-
Pfkfb3	MmuEX0034573	chr2	11396170	11401825	11401998	11403498	-
Pfkfb3	MmuEX0034574	chr2	11396170	11399663	11399685	11401825	-
Pfkfb3	MmuEX0034575	chr2	11396170	11397381	11397433	11399663	-
Pfkfb4	MmuEX0034576	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pfkfb4	MmuEX0034577	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pfkl	MmuEX0034583	chr10	77459157	77459400	77459503	77460269	-
Pfkm	MmuEX0034585	chr15	97954352	97955457	97955521	97955981	+
Pfkm	MmuEX0034586	chr15	97955521	97955981	97956044	97956735	+
Pfkm	MmuEX0034587	chr15	97961949	97962033	97962138	97962346	+
Pfkm	MmuEX0034588	chr15	97925650	97942585	97942677	97948613	+
Pfkp	MmuEX0034589	chr13	6624459	6635171	6635244	6647817	-
Pfkp	MmuEX0034590	chr13	6604974	6613719	6613811	6613950	-
Pfkp	MmuEX0034591	chr13	6604327	6604882	6604974	6613950	-
Pfkp	MmuEX0034592	chr13	6587899	6590164	6590262	6592347	-
Pfkp	MmuEX0034593	chr13	6618529	6618766	6618810	6620132	-
Pgap2	MmuEX0034602	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap2	MmuEX0034603	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap2	MmuEX0034604	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap2	MmuEX0034605	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap2	MmuEX0034606	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap2	MmuEX0034607	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap2	MmuEX0034608	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pgap3	MmuEX0034609	chr11	98251805	98251991	98252127	98252394	-

Pgap3	MmuEX0034610	chr11	98253071	98259210	98259362	98260199	-
Pgap3	MmuEX0034611	chr11	98252455	98253009	98253071	98259210	-
Pgap3	MmuEX0034612	chr11	98252127	98252394	98252455	98253009	-
Pgcp	MmuEX0034614	chr15	33013077	33083914	33084003	33142571	+
Pgcp	MmuEX0034615	chr15	33143018	33179681	33179888	33232095	+
Pgcp	MmuEX0034616	chr15	33396472	33426918	33427119	33523849	+
Pgcp	MmuEX0034617	chr15	33427119	33431301	33431371	33523849	+
Pgcp	MmuEX0034618	chr15	33179888	33232095	33232302	33311091	+
Pgd	MmuEX0034619	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pgf	MmuEX0034620	chr12	86510490	86512325	86512404	86512610	-
Pgf	MmuEX0034621	chr12	86510367	86510461	86510490	86512325	-
Pggt1b	MmuEX0034622	chr18	46401355	46404854	46404906	46405406	-
Pggt1b	MmuEX0034623	chr18	46408709	46413933	46413978	46417739	-
Pggt1b	MmuEX0034624	chr18	46401355	46405406	46405503	46406216	-
Pggt1b	MmuEX0034625	chr18	46406324	46408525	46408709	46413933	-
Pggt1b	MmuEX0034626	chr18	46419409	46422544	46422611	46434240	-
Pgm1	MmuEX0034630	chr5	64484327	64486984	64487174	64488218	+
Pgm1	MmuEX0034631	chr5	64499502	64501755	64501884	64503247	+
Pgm1	MmuEX0034632	chr5	64501884	64503247	64503436	64507539	+
Pgm1	MmuEX0034633	chr5	64503436	64504774	64505072	64507539	+
Pgm1	MmuEX0034634	chr5	64488385	64492186	64492292	64494093	+
Pgm1	MmuEX0034635	chr5	64495146	64496994	64497183	64497847	+
Pgm2	MmuEX0034636	chr4	99602416	99634061	99634223	99634649	+
Pgm2	MmuEX0034637	chr4	99634223	99634649	99634795	99636123	+
Pgm2l1	MmuEX0034638	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Pgm2l1	MmuEX0034639	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Pgm2l1	MmuEX0034640	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Pgm3	MmuEX0034641	chr9	86464014	86464195	86464429	86464649	-
Pgm3	MmuEX0034642	chr9	86455511	86456143	86456300	86458284	-
Pgm3	MmuEX0034643	chr9	86453120	86454420	86454666	86455428	-
Pgm3	MmuEX0034644	chr9	86449972	86451110	86451232	86452002	-
Pgm3	MmuEX0034645	chr9	86452115	86453022	86453120	86455391	-
Pgm3	MmuEX0034646	chr9	86456300	86459205	86459338	86461116	-
Pgm3	MmuEX0034647	chr9	86456300	86458284	86458479	86459205	-
Pgm5	MmuEX0034648	chr19	24802342	24808032	24808167	24824855	-
Pgpep1	MmuEX0034649	chr8	73176420	73178333	73178401	73181327	-
Pgpep1	MmuEX0034650	chr8	73175313	73176304	73176420	73181276	-
Pgs1	MmuEX0034655	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Pgs1	MmuEX0034656	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Pgs1	MmuEX0034657	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Pgs1	MmuEX0034658	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Phactr2	MmuEX0034663	chr10	12934079	12944590	12944666	12952345	-
Phactr2	MmuEX0034664	chr10	12986859	13011601	13011768	13043870	-
Phactr2	MmuEX0034665	chr10	12967001	12973148	12973685	12981572	-
Phactr2	MmuEX0034666	chr10	12981730	12986779	12986859	13011601	-
Phactr2	MmuEX0034667	chr10	12973699	12981572	12981730	12986779	-
Phactr2	MmuEX0034668	chr10	12973699	12977386	12977622	12981572	-

Phactr2	MmuEX0034669	chr10	12973699	12975116	12975127	12981572	-
Phactr4	MmuEX0034672	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Phactr4	MmuEX0034673	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Phactr4	MmuEX0034674	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Phactr4	MmuEX0034675	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Phax	MmuEX0034676	chr18	56735702	56739834	56739954	56743945	+
Phb2	MmuEX0034678	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Phc1	MmuEX0034680	chr6	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Phc2	MmuEX0034685	chr4	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Phc2	MmuEX0034686	chr4	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Phc3	MmuEX0034688	chr3	30821278	30828735	30828985	30830661	-
Phc3	MmuEX0034689	chr3	30813248	30813340	30813472	30815525	-
Phc3	MmuEX0034690	chr3	30806412	30807940	30808056	30813017	-
Phc3	MmuEX0034692	chr3	30830814	30834874	30834921	30835207	-
Phc3	MmuEX0034693	chr3	30849953	30856931	30857008	30860650	-
Phf1	MmuEX0034697	chr17	27073625	27073716	27073810	27073999	+
Phf1	MmuEX0034698	chr17	27073810	27073999	27074079	27074225	+
Phf1	MmuEX0034699	chr17	27071313	27071399	27071480	27071576	+
Phf1	MmuEX0034700	chr17	27072580	27072695	27072763	27072864	+
Phf1	MmuEX0034701	chr17	27071480	27071576	27071671	27071999	+
Phf1	MmuEX0034702	chr17	27073136	27073232	27073336	27073716	+
Phf1	MmuEX0034703	chr17	27073336	27073468	27073625	27073716	+
Phf10	MmuEX0034704	chr17	15082189	15083204	15083392	15083660	-
Phf10	MmuEX0034705	chr17	15093869	15096424	15096530	15129699	-
Phf12	MmuEX0034706	chr11	77796879	77797518	77797699	77820229	+
Phf12	MmuEX0034707	chr11	77831731	77835860	77836018	77836529	+
Phf12	MmuEX0034708	chr11	77820301	77820568	77820670	77822903	+
Phf12	MmuEX0034709	chr11	77823296	77826673	77826793	77829000	+
Phf12	MmuEX0034710	chr11	77826793	77829000	77829132	77831567	+
Phf12	MmuEX0034711	chr11	77837321	77838315	77838369	77838463	+
Phf12	MmuEX0034712	chr11	77838588	77839440	77839530	77840822	+
Phf12	MmuEX0034713	chr11	77840920	77841729	77841811	77842345	+
Phf12	MmuEX0034714	chr11	77797699	77820229	77820301	77822903	+
Phf14	MmuEX0034715	chr6	11957106	11994465	11994490	11995585	+
Phf14	MmuEX0034716	chr6	11997944	12017191	12017280	12030997	+
Phf14	MmuEX0034717	chr6	11937274	11937576	11937682	11938722	+
Phf14	MmuEX0034718	chr6	11876837	11883253	11884019	11903288	+
Phf14	MmuEX0034719	chr6	11957106	11995585	11995764	11997827	+
Phf14	MmuEX0034720	chr6	11957106	11997125	11997154	11997827	+
Phf14	MmuEX0034721	chr6	11957106	11997827	11997944	12030997	+
Phf15	MmuEX0034723	chr11	51632130	51634581	51634698	51638445	-
Phf17	MmuEX0034728	chr3	41400748	41403944	41404111	41405289	+
Phf17	MmuEX0034729	chr3	41404111	41405289	41405405	41408392	+
Phf17	MmuEX0034730	chr3	41408913	41413725	41413842	41417045	+
Phf17	MmuEX0034731	chr3	41392944	41393245	41393303	41395605	+
Phf20	MmuEX0034739	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Phf20	MmuEX0034740	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+

Phf20	MmuEX0034741	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Phf20	MmuEX0034742	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Phf20	MmuEX0034743	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Phf20l1	MmuEX0034744	chr15	66447409	66454323	66454379	66455554	+
Phf20l1	MmuEX0034745	chr15	66411750	66421744	66422037	66426369	+
Phf20l1	MmuEX0034746	chr15	66464463	66468246	66468594	66471475	+
Phf20l1	MmuEX0034747	chr15	66426761	66428921	66429009	66429239	+
Phf20l1	MmuEX0034748	chr15	66409409	66411635	66411750	66426369	+
Phf20l1	MmuEX0034749	chr15	66429009	66429239	66429316	66435589	+
Phf20l1	MmuEX0034750	chr15	66454379	66455323	66455445	66455554	+
Phf20l1	MmuEX0034751	chr15	66441170	66444583	66444832	66446782	+
Phf20l1	MmuEX0034752	chr15	66441170	66446782	66446970	66447200	+
Phf20l1	MmuEX0034753	chr15	66461543	66462429	66462528	66464268	+
Phf20l1	MmuEX0034754	chr15	66462607	66464382	66464463	66468246	+
Phf21a	MmuEX0034755	chr2	92170965	92184701	92184799	92188153	+
Phf21a	MmuEX0034756	chr2	92189114	92189545	92189605	92191858	+
Phf21a	MmuEX0034757	chr2	92189605	92191858	92192021	92197021	+
Phf21a	MmuEX0034758	chr2	92192021	92197021	92197176	92198851	+
Phf21a	MmuEX0034759	chr2	92026766	92027201	92027565	92054206	+
Phf21a	MmuEX0034760	chr2	92054246	92055621	92055732	92061629	+
Phf21a	MmuEX0034761	chr2	92160616	92167073	92167321	92168469	+
Phf21a	MmuEX0034762	chr2	92184799	92188153	92188204	92189035	+
Phf21a	MmuEX0034764	chr2	92189605	92191766	92191788	92197021	+
Phf23	MmuEX0034769	chr11	69811340	69811803	69811845	69812004	+
Phf3	MmuEX0034770	chr1	30899220	30909741	30909795	30919832	-
Phf3	MmuEX0034771	chr1	30894111	30899148	30899220	30919832	-
Phf3	MmuEX0034772	chr1	30865657	30867528	30867675	30868617	-
Phf3	MmuEX0034773	chr1	30862787	30863014	30863209	30865568	-
Phf3	MmuEX0034774	chr1	30894111	30919832	30920008	30930423	-
Phf3	MmuEX0034775	chr1	30888404	30893950	30894111	30919832	-
Phf3	MmuEX0034776	chr1	30881364	30886688	30888404	30893950	-
Phf6	MmuEX0034777	chrX	50293568	50293714	50293857	50295741	+
Phf6	MmuEX0034778	chrX	50265613	50269730	50269913	50284750	+
Phf6	MmuEX0034779	chrX	50265613	50270343	50270444	50284750	+
Phf6	MmuEX0034780	chrX	50270444	50284750	50284883	50293402	+
Phf6	MmuEX0034781	chrX	50284883	50285158	50285201	50293402	+
Phf7	MmuEX0034782	chr14	32062233	32062794	32062903	32063891	-
Phf7	MmuEX0034783	chr14	32051668	32052306	32052422	32052817	-
Phf7	MmuEX0034784	chr14	32051339	32051523	32051668	32052817	-
Phf7	MmuEX0034785	chr14	32052923	32054045	32054169	32054912	-
Phf7	MmuEX0034786	chr14	32052923	32053460	32053619	32054045	-
Phf8	MmuEX0034787	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phf8	MmuEX0034788	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phf8	MmuEX0034789	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phip	MmuEX0034791	chr9	82853458	82868281	82868340	82868534	-
Phip	MmuEX0034792	chr9	82799396	82800548	82800665	82802298	-
Phip	MmuEX0034793	chr9	82789748	82794229	82794460	82796731	-

Phip	MmuEX0034794	chr9	82853217	82853308	82853458	82868281	-
Phip	MmuEX0034795	chr9	82783782	82783968	82784079	82786930	-
Phip	MmuEX0034796	chr9	82775346	82777962	82778009	82778440	-
Phip	MmuEX0034797	chr9	82765468	82768897	82769094	82769616	-
Phip	MmuEX0034799	chr9	82821805	82822436	82822476	82822582	-
Phip	MmuEX0034800	chr9	82823981	82826093	82826193	82826453	-
Phip	MmuEX0034801	chr9	82826674	82839365	82839525	82853119	-
Phip	MmuEX0034803	chr9	82868340	82868695	82868753	82868859	-
Phip	MmuEX0034804	chr9	82868340	82868534	82868563	82868695	-
Phka1	MmuEX0034805	chrX	99788044	99792741	99792848	99793525	-
Phka1	MmuEX0034806	chrX	99781550	99787966	99788044	99792741	-
Phka1	MmuEX0034807	chrX	99770413	99781416	99781550	99787966	-
Phka1	MmuEX0034808	chrX	99768951	99770304	99770413	99781416	-
Phka1	MmuEX0034809	chrX	99821009	99831882	99832050	99834420	-
Phka1	MmuEX0034810	chrX	99832050	99834420	99834467	99837560	-
Phka1	MmuEX0034811	chrX	99736789	99740647	99740803	99750223	-
Phka1	MmuEX0034812	chrX	99712835	99716093	99716263	99723406	-
Phka1	MmuEX0034813	chrX	99736789	99740013	99740092	99750223	-
Phka1	MmuEX0034814	chrX	99723456	99736711	99736789	99750223	-
Phka1	MmuEX0034815	chrX	99723456	99736451	99736580	99750223	-
Phka1	MmuEX0034816	chrX	99723456	99732523	99732624	99750223	-
Phka1	MmuEX0034817	chrX	99723456	99727742	99727857	99750223	-
Phka1	MmuEX0034818	chrX	99723456	99727416	99727454	99727742	-
Phka1	MmuEX0034819	chrX	99716263	99723406	99723456	99727416	-
Phka1	MmuEX0034820	chrX	99750956	99752435	99752611	99754904	-
Phka1	MmuEX0034821	chrX	99750362	99750865	99750956	99754904	-
Phka2	MmuEX0034822	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034823	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034824	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034825	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034826	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034827	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034828	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034829	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034830	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034831	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034832	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034833	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034834	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034835	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034836	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phka2	MmuEX0034837	chrX	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Phkb	MmuEX0034838	chr8	88420436	88425776	88425856	88446026	+
Phkb	MmuEX0034839	chr8	88367011	88399533	88399622	88402009	+
Phkb	MmuEX0034840	chr8	88367011	88398916	88398977	88399533	+
Phkb	MmuEX0034841	chr8	88545604	88546637	88546718	88548180	+
Phkb	MmuEX0034842	chr8	88548237	88549097	88549187	88550356	+

Phkb	MmuEX0034843	chr8	88365002	88367007	88367011	88399533	+
Phkb	MmuEX0034844	chr8	88420436	88420568	88420656	88425776	+
Phkb	MmuEX0034845	chr8	88543025	88545284	88545345	88545442	+
Phkb	MmuEX0034846	chr8	88548237	88550356	88550446	88553381	+
Phkb	MmuEX0034847	chr8	88365002	88366925	88367011	88399533	+
Phkb	MmuEX0034848	chr8	88367011	88372573	88372630	88399533	+
Phkb	MmuEX0034849	chr8	88553583	88567609	88567743	88580347	+
Phkb	MmuEX0034850	chr8	88567743	88573589	88573718	88580347	+
Phkb	MmuEX0034851	chr8	88425856	88446026	88446141	88459307	+
Phkb	MmuEX0034852	chr8	88425856	88459307	88459370	88464740	+
Phkg1	MmuEX0034853	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Phkg1	MmuEX0034854	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Phkg1	MmuEX0034855	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Phkg2	MmuEX0034856	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Phkg2	MmuEX0034857	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Phkg2	MmuEX0034858	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Phkg2	MmuEX0034859	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Phldb1	MmuEX0034860	chr9	44512254	44515968	44516123	44519006	-
Phldb1	MmuEX0034861	chr9	44502214	44502457	44502573	44504120	-
Phldb1	MmuEX0034862	chr9	44524748	44526357	44526482	44534093	-
Phldb1	MmuEX0034863	chr9	44495781	44496507	44496539	44496700	-
Phldb1	MmuEX0034864	chr9	44506303	44506910	44506954	44507430	-
Phldb1	MmuEX0034865	chr9	44516123	44516477	44516605	44519006	-
Phldb1	MmuEX0034866	chr9	44507779	44509586	44509753	44511886	-
Phldb1	MmuEX0034867	chr9	44507779	44509029	44509169	44511886	-
Phldb1	MmuEX0034868	chr9	44507532	44507639	44507779	44511886	-
Phldb2	MmuEX0034872	chr16	45777915	45780369	45780479	45781415	-
Phldb2	MmuEX0034873	chr16	45775200	45776005	45776145	45777826	-
Phldb2	MmuEX0034874	chr16	45763227	45770785	45770884	45772248	-
Phldb2	MmuEX0034877	chr16	45781570	45789102	45789230	45801605	-
Phldb2	MmuEX0034878	chr16	45772388	45775081	45775200	45777826	-
Phldb2	MmuEX0034879	chr16	45772388	45774276	45774458	45775057	-
Phldb2	MmuEX0034880	chr16	45770884	45772248	45772388	45777826	-
Phlpp1	MmuEX0034882	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Phlpp1	MmuEX0034883	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Phlpp2	MmuEX0034885	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Phlpp2	MmuEX0034890	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Phlpp2	MmuEX0034891	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Phlpp2	MmuEX0034892	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Phospho1	MmuEX0034893	chr11	95686023	95689980	95690089	95691747	+
Phospho1	MmuEX0034894	chr11	95690089	95691040	95691161	95691747	+
Phpt1	MmuEX0034895	chr2	25429219	25429708	25429832	25430203	-
Phrf1	MmuEX0034896	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phrf1	MmuEX0034897	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phrf1	MmuEX0034898	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phrf1	MmuEX0034899	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phrf1	MmuEX0034900	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+

Phrf1	MmuEX0034901	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phrf1	MmuEX0034902	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phrf1	MmuEX0034903	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Phtf1	MmuEX0034906	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034907	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034908	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034909	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034910	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034911	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034912	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034913	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034914	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034915	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034916	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf1	MmuEX0034917	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Phtf2	MmuEX0034918	chr5	20288309	20295447	20295602	20300113	-
Phtf2	MmuEX0034919	chr5	20313291	20318759	20318770	20319058	-
Phtf2	MmuEX0034920	chr5	20267607	20270032	20270127	20271576	-
Phtf2	MmuEX0034921	chr5	20281825	20288091	20288265	20295447	-
Phtf2	MmuEX0034922	chr5	20319114	20360940	20361019	20387774	-
Phtf2	MmuEX0034923	chr5	20300299	20319058	20319114	20360940	-
Phtf2	MmuEX0034924	chr5	20300299	20313222	20313291	20319058	-
Phtf2	MmuEX0034925	chr5	20309168	20311473	20311631	20313222	-
Phtf2	MmuEX0034926	chr5	20307884	20309003	20309168	20311473	-
Phtf2	MmuEX0034927	chr5	20300299	20307720	20307884	20309003	-
Phyhd1	MmuEX0034928	chr2	30125371	30129996	30130065	30132523	+
Phyhd1	MmuEX0034929	chr2	30125371	30130196	30130243	30132523	+
Phyhd1	MmuEX0034930	chr2	30130243	30132523	30132572	30135475	+
Phyhd1	MmuEX0034931	chr2	30132578	30132668	30132730	30135475	+
Phyhd1	MmuEX0034932	chr2	30132730	30133143	30133164	30135475	+
Phyhip	MmuEX0034933	chr14	70857610	70861546	70861730	70863047	+
Phyhip	MmuEX0034934	chr14	70861730	70863047	70863221	70865257	+
Pi16	MmuEX0034939	chr17	29463307	29463793	29464578	29464783	+
Pi4k2a	MmuEX0034940	chr19	42165426	42175127	42175327	42179348	+
Pi4k2a	MmuEX0034941	chr19	42187594	42189527	42189626	42194283	+
Pi4k2a	MmuEX0034942	chr19	42189626	42190375	42190508	42194283	+
Pi4k2a	MmuEX0034943	chr19	42190508	42190997	42191056	42194283	+
Pi4k2b	MmuEX0034950	chr5	53133207	53144335	53144488	53145876	+
Pi4ka	MmuEX0034951	chr16	17386422	17389434	17389550	17405727	-
Pi4ka	MmuEX0034952	chr16	17354326	17354964	17355059	17356177	-
Pi4ka	MmuEX0034953	chr16	17352934	17354143	17354326	17354964	-
Pi4ka	MmuEX0034954	chr16	17381982	17384874	17385021	17386329	-
Pi4ka	MmuEX0034955	chr16	17297182	17297303	17297382	17297644	-
Pi4ka	MmuEX0034956	chr16	17291328	17292973	17293026	17293936	-
Pi4ka	MmuEX0034957	chr16	17281202	17281942	17282101	17282379	-
Pi4ka	MmuEX0034958	chr16	17307923	17308159	17308315	17309399	-
Pi4ka	MmuEX0034959	chr16	17355059	17356177	17356309	17357639	-

Pi4ka	MmuEX0034960	chr16	17381982	17386329	17386422	17389434	-
Pi4ka	MmuEX0034961	chr16	17299662	17301086	17301193	17303084	-
Pi4ka	MmuEX0034962	chr16	17284761	17286745	17286874	17303084	-
Pi4ka	MmuEX0034963	chr16	17284610	17285300	17285370	17286745	-
Pi4ka	MmuEX0034964	chr16	17284610	17284689	17284761	17285300	-
Pi4ka	MmuEX0034965	chr16	17281202	17284540	17284610	17284689	-
Pi4ka	MmuEX0034966	chr16	17283020	17283393	17283502	17284540	-
Pi4ka	MmuEX0034967	chr16	17281202	17282379	17282499	17282710	-
Pi4ka	MmuEX0034968	chr16	17297763	17299535	17299662	17301086	-
Pi4ka	MmuEX0034969	chr16	17284761	17295465	17295555	17303084	-
Pi4ka	MmuEX0034970	chr16	17293026	17293936	17294103	17295465	-
Pi4kb	MmuEX0034971	chr3	94779007	94779920	94780265	94787905	+
Pi4kb	MmuEX0034972	chr3	94808294	94808556	94808676	94809681	+
Pi4kb	MmuEX0034973	chr3	94808676	94809232	94809294	94809681	+
Pi4kb	MmuEX0034974	chr3	94788841	94790507	94790627	94793225	+
Pi4kb	MmuEX0034975	chr3	94788841	94796888	94797115	94798083	+
Pi4kb	MmuEX0034976	chr3	94798310	94799757	94799866	94800502	+
Pi4kb	MmuEX0034977	chr3	94779007	94787905	94788841	94796888	+
Pi4kb	MmuEX0034978	chr3	94788841	94793225	94793269	94796888	+
Pias1	MmuEX0034979	chr9	62741066	62743638	62743798	62750566	-
Pias1	MmuEX0034980	chr9	62730068	62732579	62732616	62735115	-
Pias1	MmuEX0034981	chr9	62767292	62768265	62768355	62771088	-
Pias1	MmuEX0034983	chr9	62771462	62799563	62800007	62828655	-
Pias1	MmuEX0034984	chr9	62750639	62760557	62760662	62767158	-
Pias1	MmuEX0034985	chr9	62743798	62750566	62750639	62760557	-
Pias2	MmuEX0034986	chr18	77304158	77335988	77336462	77344544	+
Pias2	MmuEX0034987	chr18	77367800	77368789	77368862	77371830	+
Pias2	MmuEX0034988	chr18	77336462	77344544	77344628	77358651	+
Pias2	MmuEX0034989	chr18	77344628	77351411	77351467	77358651	+
Pias2	MmuEX0034990	chr18	77374690	77383742	77383881	77388800	+
Pias3	MmuEX0034991	chr3	96501118	96503343	96503760	96503916	+
Pias3	MmuEX0034992	chr3	96507830	96507982	96508115	96508272	+
Pias4	MmuEX0034993	chr10	80617117	80617193	80617323	80618336	-
Pias4	MmuEX0034994	chr10	80620272	80620396	80620437	80620678	-
Pias4	MmuEX0034995	chr10	80619862	80619972	80620100	80620182	-
Pias4	MmuEX0034996	chr10	80620762	80626530	80626935	80630430	-
Pibf1	MmuEX0034997	chr14	99549960	99555781	99555838	99578534	+
Pibf1	MmuEX0034998	chr14	99549960	99578534	99578699	99585700	+
Pibf1	MmuEX0034999	chr14	99620862	99627072	99627223	99642058	+
Pibf1	MmuEX0035000	chr14	99620862	99641716	99641814	99642058	+
Pibf1	MmuEX0035001	chr14	99512308	99532455	99532588	99535672	+
Pibf1	MmuEX0035002	chr14	99536442	99539756	99539881	99549862	+
Pibf1	MmuEX0035003	chr14	99500520	99504388	99504481	99506518	+
Pibf1	MmuEX0035004	chr14	99578699	99585700	99585850	99610159	+
Pibf1	MmuEX0035005	chr14	99585850	99586937	99587027	99610159	+
Pibf1	MmuEX0035006	chr14	99587027	99595568	99595670	99610159	+
Pibf1	MmuEX0035007	chr14	99595670	99610159	99610289	99642058	+

Pibf1	MmuEX0035008	chr14	99610289	99620778	99620862	99642058	+
Pibf1	MmuEX0035009	chr14	99620862	99642058	99642228	99653380	+
Pibf1	MmuEX0035010	chr14	99504488	99506518	99506716	99512189	+
Pibf1	MmuEX0035011	chr14	99506716	99512189	99512308	99532455	+
Pibf1	MmuEX0035012	chr14	99532588	99535672	99535780	99610159	+
Pibf1	MmuEX0035013	chr14	99535780	99536261	99536442	99610159	+
Pibf1	MmuEX0035014	chr14	99539881	99549862	99549960	99578534	+
Picalm	MmuEX0035015	chr7	97337767	97339014	97339094	97339651	+
Picalm	MmuEX0035016	chr7	97344224	97345426	97345530	97356093	+
Picalm	MmuEX0035017	chr7	97326113	97330729	97330878	97337660	+
Picalm	MmuEX0035018	chr7	97340263	97342783	97342806	97344165	+
Pick1	MmuEX0035019	chr15	79073487	79074870	79074995	79075285	+
Pick1	MmuEX0035020	chr15	79075338	79075720	79075782	79076408	+
Pick1	MmuEX0035021	chr15	79060283	79060974	79061085	79070014	+
Pick1	MmuEX0035022	chr15	79061085	79070014	79070142	79073398	+
Pick1	MmuEX0035023	chr15	79070142	79071657	79071723	79073398	+
Pid1	MmuEX0035024	chr1	84035082	84155807	84155953	84280916	-
Pigb	MmuEX0035037	chr9	72871087	72877373	72877513	72879860	-
Pigf	MmuEX0035039	chr17	87419857	87420045	87420099	87421199	-
Pigf	MmuEX0035040	chr17	87408251	87409761	87409806	87419741	-
Pigf	MmuEX0035041	chr17	87396907	87408143	87408251	87419741	-
Pigf	MmuEX0035042	chr17	87419857	87421199	87421290	87423005	-
Pigg	MmuEX0035043	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pigg	MmuEX0035044	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pigg	MmuEX0035045	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pigg	MmuEX0035046	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pigg	MmuEX0035047	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pigg	MmuEX0035048	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pigh	MmuEX0035049	chr12	80184686	80185283	80185373	80186634	-
Pigh	MmuEX0035050	chr12	80183483	80184603	80184686	80186634	-
Pigk	MmuEX0035051	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pigk	MmuEX0035052	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pigk	MmuEX0035053	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pigk	MmuEX0035054	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pigk	MmuEX0035055	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pigk	MmuEX0035056	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Pigl	MmuEX0035057	chr11	62317271	62321229	62321296	62323322	+
Pign	MmuEX0035061	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Pign	MmuEX0035062	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Pign	MmuEX0035063	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pign	MmuEX0035064	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pign	MmuEX0035065	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pign	MmuEX0035066	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pign	MmuEX0035067	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Pign	MmuEX0035068	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Pign	MmuEX0035069	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pign	MmuEX0035070	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-

Pign	MmuEX0035071	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Pign	MmuEX0035072	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pign	MmuEX0035073	chr1	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pigo	MmuEX0035074	chr4	43034666	43034884	43035066	43035479	-
Pigo	MmuEX0035075	chr4	43035638	43036242	43036365	43036544	-
Pigo	MmuEX0035076	chr4	43035638	43035715	43035814	43036242	-
Pigp	MmuEX0035077	chr16	94588538	94589168	94589240	94591696	-
Pigp	MmuEX0035078	chr16	94587080	94588418	94588538	94591696	-
Pigq	MmuEX0035079	chr17	26068518	26068619	26068772	26069050	-
Pigq	MmuEX0035080	chr17	26067983	26068407	26068518	26068619	-
Pigq	MmuEX0035081	chr17	26069176	26071703	26071823	26071948	-
Pigq	MmuEX0035082	chr17	26069176	26071039	26071218	26071703	-
Pigq	MmuEX0035083	chr17	26067983	26069050	26069176	26071703	-
Pigq	MmuEX0035084	chr17	26067580	26067903	26067983	26068407	-
Pigs	MmuEX0035085	chr11	78152990	78153511	78153611	78154727	+
Pigs	MmuEX0035086	chr11	78153611	78153735	78153827	78154727	+
Pigs	MmuEX0035087	chr11	78147260	78148929	78149136	78150190	+
Pigs	MmuEX0035088	chr11	78149136	78150190	78150332	78151291	+
Pigs	MmuEX0035089	chr11	78142010	78142234	78142373	78142477	+
Pigs	MmuEX0035090	chr11	78146541	78147169	78147260	78148929	+
Pigt	MmuEX0035091	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Pigu	MmuEX0035092	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pigu	MmuEX0035093	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pigu	MmuEX0035094	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pigu	MmuEX0035095	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pigu	MmuEX0035096	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pigv	MmuEX0035097	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pigv	MmuEX0035098	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Pigx	MmuEX0035099	chr16	32085423	32087380	32087593	32092430	-
Pigx	MmuEX0035100	chr16	32097149	32098787	32098882	32099556	-
Pigx	MmuEX0035101	chr16	32092571	32097086	32097149	32099556	-
Pigx	MmuEX0035102	chr16	32092571	32095639	32095790	32097086	-
Pih1d2	MmuEX0035105	chr9	50429295	50429726	50429991	50432965	+
Pih1d2	MmuEX0035107	chr9	50426754	50429050	50429295	50429726	+
Pik3ap1	MmuEX0035108	chr19	41357640	41361960	41362115	41367243	-
Pik3c2a	MmuEX0035110	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035111	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035112	chr7	1.23E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035113	chr7	1.23E+08	1.23E+08	1.23E+08	1.24E+08	-
Pik3c2a	MmuEX0035114	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035115	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Pik3c2a	MmuEX0035116	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Pik3c2a	MmuEX0035117	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Pik3c2a	MmuEX0035118	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035119	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035120	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Pik3c2a	MmuEX0035121	chr7	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-

Pik3c2b	MmuEX0035122	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035123	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035124	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035125	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035126	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035127	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035128	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035129	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035130	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c2b	MmuEX0035131	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Pik3c3	MmuEX0035136	chr18	30458412	30461798	30461931	30462574	+
Pik3c3	MmuEX0035137	chr18	30464696	30470874	30470979	30472206	+
Pik3c3	MmuEX0035138	chr18	30452784	30453273	30453377	30453990	+
Pik3ca	MmuEX0035139	chr3	32349287	32350678	32350849	32352783	+
Pik3ca	MmuEX0035140	chr3	32350849	32352783	32352889	32353301	+
Pik3ca	MmuEX0035141	chr3	32353422	32354577	32354823	32355015	+
Pik3ca	MmuEX0035142	chr3	32358954	32360402	32360519	32360619	+
Pik3ca	MmuEX0035143	chr3	32341753	32342501	32342653	32342737	+
Pik3ca	MmuEX0035144	chr3	32348995	32349184	32349287	32350678	+
Pik3cb	MmuEX0035145	chr9	99006136	99022703	99022795	99040410	-
Pik3cb	MmuEX0035146	chr9	98990739	98993462	98993641	98994859	-
Pik3cb	MmuEX0035147	chr9	98952802	98952898	98952973	98954390	-
Pik3cb	MmuEX0035148	chr9	98941472	98942943	98943088	98945164	-
Pik3cb	MmuEX0035149	chr9	99001819	99002075	99002270	99005950	-
Pik3cb	MmuEX0035150	chr9	98963377	98964439	98964627	98965979	-
Pik3cb	MmuEX0035151	chr9	98995082	99001594	99001819	99005950	-
Pik3cd	MmuEX0035153	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3cd	MmuEX0035154	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3cd	MmuEX0035155	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3cd	MmuEX0035156	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3cd	MmuEX0035157	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3cd	MmuEX0035158	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3cd	MmuEX0035159	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Pik3ip1	MmuEX0035162	chr11	3233586	3235722	3235834	3241526	+
Pik3r1	MmuEX0035163	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Pik3r2	MmuEX0035164	chr8	73295273	73295732	73295930	73296032	-
Pik3r2	MmuEX0035165	chr8	73296594	73296720	73296815	73298555	-
Pik3r2	MmuEX0035166	chr8	73299251	73299747	73299955	73300506	-
Pik3r3	MmuEX0035167	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pik3r4	MmuEX0035168	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pik3r4	MmuEX0035169	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pik3r4	MmuEX0035170	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pik3r4	MmuEX0035171	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pik3r4	MmuEX0035172	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pik3r4	MmuEX0035173	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Pik3r6	MmuEX0035179	chr11	68349728	68352369	68352545	68353352	+
Pik3r6	MmuEX0035180	chr11	68357187	68357479	68357549	68358222	+

Pik3r6	MmuEX0035181	chr11	68358312	68359069	68359198	68359299	+
Pik3r6	MmuEX0035182	chr11	68340647	68341953	68342085	68342258	+
Pik3r6	MmuEX0035183	chr11	68345086	68345996	68346082	68346968	+
Pik3r6	MmuEX0035184	chr11	68349728	68353424	68353511	68357100	+
Pikfyve	MmuEX0035185	chr1	65262646	65266328	65266485	65268844	+
Pikfyve	MmuEX0035186	chr1	65270226	65277368	65277427	65280304	+
Pikfyve	MmuEX0035187	chr1	65277427	65280304	65280433	65280828	+
Pikfyve	MmuEX0035189	chr1	65312500	65314400	65314459	65315272	+
Pikfyve	MmuEX0035190	chr1	65316550	65317842	65317970	65319021	+
Pikfyve	MmuEX0035191	chr1	65319282	65319607	65319681	65320217	+
Pikfyve	MmuEX0035192	chr1	65243357	65244447	65244556	65249290	+
Pikfyve	MmuEX0035193	chr1	65249497	65250079	65250231	65252163	+
Pikfyve	MmuEX0035194	chr1	65238868	65239108	65239140	65242230	+
Pikfyve	MmuEX0035195	chr1	65242348	65243186	65243357	65249290	+
Pikfyve	MmuEX0035196	chr1	65270226	65270736	65270903	65277368	+
Pikfyve	MmuEX0035197	chr1	65281658	65285009	65285116	65290970	+
Pikfyve	MmuEX0035198	chr1	65296860	65298179	65298250	65298986	+
Pikfyve	MmuEX0035199	chr1	65309549	65310921	65311004	65311823	+
Pikfyve	MmuEX0035200	chr1	65314459	65315272	65315448	65316447	+
Pim3	MmuEX0035205	chr15	88693978	88694746	88694922	88695005	+
Pink1	MmuEX0035207	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pinx1	MmuEX0035208	chr14	64483162	64487356	64487434	64496949	+
Pinx1	MmuEX0035209	chr14	64487434	64491139	64491231	64496949	+
Pinx1	MmuEX0035210	chr14	64491231	64496949	64497025	64537934	+
Pinx1	MmuEX0035211	chr14	64497025	64511560	64511670	64537934	+
Pion	MmuEX0035214	chr5	20700294	20701863	20701919	20713059	+
Pion	MmuEX0035215	chr5	20727113	20728208	20728257	20732062	+
Pion	MmuEX0035217	chr5	20727113	20732062	20732166	20733842	+
Pion	MmuEX0035218	chr5	20727113	20732592	20732651	20733842	+
Pion	MmuEX0035219	chr5	20732651	20733842	20733885	20734979	+
Pip4k2a	MmuEX0035225	chr2	18769304	18772357	18772477	18774440	-
Pip4k2a	MmuEX0035226	chr2	18810831	18827856	18827952	18829682	-
Pip4k2a	MmuEX0035227	chr2	18810831	18826902	18827027	18827856	-
Pip4k2a	MmuEX0035228	chr2	18767605	18769061	18769304	18774440	-
Pip4k2a	MmuEX0035229	chr2	18810831	18829682	18829779	18919479	-
Pip4k2a	MmuEX0035230	chr2	18794057	18810679	18810831	18827856	-
Pip4k2a	MmuEX0035231	chr2	18787777	18793911	18794057	18810679	-
Pip4k2a	MmuEX0035232	chr2	18774553	18787739	18787777	18793911	-
Pip4k2c	MmuEX0035233	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Pip4k2c	MmuEX0035234	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Pip4k2c	MmuEX0035235	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Pip4k2c	MmuEX0035236	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Pip5k1a	MmuEX0035237	chr3	94864007	94864406	94864451	94867577	-
Pip5k1a	MmuEX0035238	chr3	94878045	94878580	94878706	94882024	-
Pip5k1a	MmuEX0035239	chr3	94867706	94868253	94868396	94869343	-
Pip5k1b	MmuEX0035240	chr19	24378636	24379147	24379262	24420727	-
Pip5k1b	MmuEX0035241	chr19	24513611	24515020	24515197	24518092	-

Pip5k1b	MmuEX0035242	chr19	24471636	24513543	24513611	24518092	-
Pip5k1b	MmuEX0035243	chr19	24456330	24464834	24464951	24471506	-
Pip5k1b	MmuEX0035244	chr19	24370044	24378522	24378636	24420727	-
Pip5k1c	MmuEX0035245	chr10	80755897	80767429	80767460	80767931	+
Pip5k1c	MmuEX0035246	chr10	80776397	80776740	80776838	80777737	+
Pip5k1c	MmuEX0035247	chr10	80777863	80778624	80778701	80780511	+
Pip5k1c	MmuEX0035248	chr10	80777863	80780071	80780148	80780511	+
Pipox	MmuEX0035254	chr11	77695078	77695620	77695778	77696119	-
Pir	MmuEX0035256	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Pir	MmuEX0035257	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Pir	MmuEX0035258	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Pir	MmuEX0035259	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Pir	MmuEX0035260	chrX	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Pisd	MmuEX0035264	chr5	33080102	33080634	33080680	33081036	-
Pisd	MmuEX0035265	chr5	33107597	33117045	33117115	33128198	-
Pisd	MmuEX0035266	chr5	33082021	33107422	33107597	33117045	-
Pisd	MmuEX0035267	chr5	33082021	33084858	33085123	33107422	-
Pisd	MmuEX0035268	chr5	33082021	33083272	33083437	33084858	-
Pisd-ps1	MmuEX0035269	chr11	3026061	3027134	3027222	3027482	+
Pisd-ps1	MmuEX0035270	chr11	3026061	3027482	3027647	3028932	+
Pitpna	MmuEX0035271	chr11	75401854	75403230	75403434	75405691	+
Pitpna	MmuEX0035272	chr11	75401854	75405691	75405721	75411682	+
Pitpna	MmuEX0035273	chr11	75425805	75432742	75432819	75432958	+
Pitpnb	MmuEX0035274	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035275	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035276	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035277	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035278	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035279	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035280	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnb	MmuEX0035281	chr5	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Pitpnc1	MmuEX0035282	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pitpnc1	MmuEX0035283	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pitpnc1	MmuEX0035284	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pitpnc1	MmuEX0035285	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pitpnm1	MmuEX0035286	chr19	4100213	4101144	4101262	4102673	+
Pitpnm1	MmuEX0035287	chr19	4106625	4106712	4106962	4107786	+
Pitpnm1	MmuEX0035288	chr19	4107975	4108086	4108193	4108423	+
Pitpnm1	MmuEX0035289	chr19	4108867	4109826	4109996	4110495	+
Pitpnm1	MmuEX0035290	chr19	4101262	4101852	4101993	4102673	+
Pitpnm1	MmuEX0035291	chr19	4110659	4110842	4110990	4111079	+
Pitpnm1	MmuEX0035292	chr19	4112014	4112101	4112250	4112327	+
Pitpnm1	MmuEX0035293	chr19	4105140	4105230	4105325	4105415	+
Pitpnm2	MmuEX0035294	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035295	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035296	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035297	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-

Pitpnm2	MmuEX0035298	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035299	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035300	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035301	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitpnm2	MmuEX0035302	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Pitrm1	MmuEX0035316	chr13	6568221	6568446	6568611	6569848	+
Pitrm1	MmuEX0035317	chr13	6568611	6569848	6569948	6572287	+
Pitrm1	MmuEX0035318	chr13	6551986	6552428	6552579	6554600	+
Pitrm1	MmuEX0035319	chr13	6555948	6557008	6557134	6557402	+
Pitrm1	MmuEX0035320	chr13	6564353	6566596	6566728	6567910	+
Pitrm1	MmuEX0035321	chr13	6573677	6574263	6574375	6576636	+
Pitrm1	MmuEX0035322	chr13	6557490	6558601	6558729	6559848	+
Pitrm1	MmuEX0035323	chr13	6557490	6559276	6559389	6559848	+
Pja2	MmuEX0035334	chr17	64642365	64647065	64647250	64657963	-
Pkd1	MmuEX0035335	chr17	24716810	24716900	24717520	24717820	+
Pkd1	MmuEX0035336	chr17	24717520	24717820	24717976	24718136	+
Pkd1	MmuEX0035337	chr17	24724394	24724595	24724779	24724873	+
Pkd1	MmuEX0035338	chr17	24724966	24727764	24727882	24727960	+
Pkd1	MmuEX0035339	chr17	24727882	24727960	24728090	24728232	+
Pkd1	MmuEX0035340	chr17	24727882	24728120	24728162	24728232	+
Pkd1	MmuEX0035346	chr17	24709054	24709563	24713188	24713383	+
Pkd1	MmuEX0035347	chr17	24723533	24724124	24724237	24724345	+
Pkd1	MmuEX0035348	chr17	24728426	24728783	24728922	24729556	+
Pkd1	MmuEX0035349	chr17	24730546	24730744	24730918	24731033	+
Pkd2	MmuEX0035371	chr5	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Pkd2	MmuEX0035372	chr5	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Pkd2l2	MmuEX0035378	chr18	34569151	34569464	34569565	34572335	+
Pkd2l2	MmuEX0035379	chr18	34590438	34592943	34593007	34594970	+
Pkd2l2	MmuEX0035380	chr18	34595021	34597756	34597868	34598385	+
Pkd2l2	MmuEX0035381	chr18	34569565	34572335	34572468	34574117	+
Pkd2l2	MmuEX0035382	chr18	34576703	34584670	34584898	34586971	+
Pkd2l2	MmuEX0035383	chr18	34584898	34586971	34587141	34587741	+
Pkdcc	MmuEX0035384	chr17	83615444	83619374	83619496	83620306	+
Pkia	MmuEX0035402	chr3	7406828	7430651	7430838	7437338	+
Pkia	MmuEX0035403	chr3	7366752	7375307	7375356	7437338	+
Pkia	MmuEX0035404	chr3	7366752	7437338	7437515	7442011	+
Pkig	MmuEX0035409	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Pkig	MmuEX0035410	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Pkig	MmuEX0035411	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Pkig	MmuEX0035412	chr2	1.63E+08	1.63E+08	1.63E+08	1.64E+08	+
Pkm2	MmuEX0035416	chr9	59507383	59510847	59510963	59513007	+
Pkm2	MmuEX0035417	chr9	59523002	59523375	59523849	59525851	+
Pkm2	MmuEX0035418	chr9	59519880	59522836	59523002	59525851	+
Pkmyt1	MmuEX0035419	chr17	23869791	23870790	23871283	23871933	+
Pkmyt1	MmuEX0035420	chr17	23871283	23871933	23872039	23872167	+
Pkmyt1	MmuEX0035421	chr17	23872039	23872167	23872339	23872530	+
Pkmyt1	MmuEX0035422	chr17	23872339	23872530	23872687	23873291	+

Pkmyt1	MmuEX0035423	chr17	23872687	23873291	23873368	23873462	+
Pkn1	MmuEX0035424	chr8	86216835	86217859	86218015	86222866	-
Pkn1	MmuEX0035425	chr8	86197455	86197530	86197609	86201423	-
Pkn1	MmuEX0035426	chr8	86197292	86197380	86197455	86197530	-
Pkn1	MmuEX0035427	chr8	86195340	86195616	86195692	86195806	-
Pkn1	MmuEX0035428	chr8	86204996	86205079	86205188	86207298	-
Pkn1	MmuEX0035429	chr8	86216835	86221907	86221971	86222866	-
Pkn2	MmuEX0035430	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pkn2	MmuEX0035431	chr3	1.42E+08	1.43E+08	1.43E+08	1.43E+08	-
Pkn2	MmuEX0035432	chr3	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Pkn2	MmuEX0035433	chr3	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Pkn3	MmuEX0035434	chr2	29940532	29940703	29940799	29940880	+
Pkn3	MmuEX0035435	chr2	29942243	29942545	29942721	29944040	+
Pkn3	MmuEX0035436	chr2	29944102	29944216	29944292	29945359	+
Pkn3	MmuEX0035437	chr2	29945695	29945851	29945931	29946043	+
Pkn3	MmuEX0035438	chr2	29942020	29942152	29942243	29942545	+
Pkn3	MmuEX0035439	chr2	29945501	29945588	29945695	29945851	+
Pkn3	MmuEX0035440	chr2	29936756	29938336	29938482	29940211	+
Pkn3	MmuEX0035441	chr2	29938482	29938561	29938670	29940211	+
Pkn3	MmuEX0035442	chr2	29936756	29938759	29938902	29940211	+
Pknnox1	MmuEX0035443	chr17	31720748	31725405	31725532	31727548	+
Pknnox1	MmuEX0035444	chr17	31727719	31729050	31729220	31732170	+
Pknnox1	MmuEX0035445	chr17	31701833	31718749	31718995	31720641	+
Pkp2	MmuEX0035455	chr16	16240800	16246959	16247136	16260419	+
Pkp2	MmuEX0035456	chr16	16262831	16264438	16264544	16267270	+
Pkp2	MmuEX0035457	chr16	16267423	16268611	16268800	16269778	+
Pkp4	MmuEX0035459	chr2	58999185	59052735	59052871	59104445	+
Pkp4	MmuEX0035460	chr2	59127309	59143123	59143254	59143362	+
Pkp4	MmuEX0035461	chr2	59143549	59145294	59145421	59146065	+
Pkp4	MmuEX0035462	chr2	59156701	59160559	59160772	59172805	+
Pkp4	MmuEX0035463	chr2	59186098	59187618	59187822	59188551	+
Pkp4	MmuEX0035464	chr2	59052871	59052991	59053087	59104445	+
Pkp4	MmuEX0035465	chr2	59052871	59104445	59104557	59127275	+
Pkp4	MmuEX0035466	chr2	59104557	59127275	59127309	59143123	+
Pkp4	MmuEX0035467	chr2	59186098	59188551	59188679	59190319	+
Pkp4	MmuEX0035468	chr2	59186098	59190319	59190392	59192260	+
Pkp4	MmuEX0035469	chr2	59146614	59148159	59148347	59149751	+
Pkp4	MmuEX0035470	chr2	59149970	59152413	59152460	59156569	+
Pla1a	MmuEX0035471	chr16	38417347	38422655	38422768	38432884	-
Pla1a	MmuEX0035472	chr16	38405712	38407678	38407845	38409681	-
Pla1a	MmuEX0035473	chr16	38397589	38400962	38401070	38405623	-
Pla1a	MmuEX0035474	chr16	38409770	38412172	38412273	38414855	-
Pla2g12a	MmuEX0035478	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pla2g12a	MmuEX0035479	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pla2g15	MmuEX0035480	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Pla2g16	MmuEX0035481	chr19	7649529	7653444	7653712	7660055	+
Pla2g4b	MmuEX0035493	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+

Pla2g4b	MmuEX0035494	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Pla2g4b	MmuEX0035495	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Pla2g4b	MmuEX0035496	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Pla2g4b	MmuEX0035497	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Pla2g4b	MmuEX0035498	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Pla2g5	MmuEX0035513	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pla2g5	MmuEX0035514	chr4	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Pla2g6	MmuEX0035515	chr15	79148440	79158065	79158144	79158519	-
Pla2g6	MmuEX0035516	chr15	79133127	79136133	79136241	79136714	-
Pla2g6	MmuEX0035517	chr15	79127879	79129462	79129625	79133049	-
Pla2g6	MmuEX0035518	chr15	79120145	79120647	79121499	79127729	-
Pla2g6	MmuEX0035519	chr15	79139286	79142224	79142407	79143378	-
Pla2g6	MmuEX0035520	chr15	79117325	79117540	79117613	79118046	-
Pla2g6	MmuEX0035521	chr15	79120145	79127729	79127879	79129462	-
Pla2g6	MmuEX0035522	chr15	79136241	79136714	79136896	79137743	-
Pla2g6	MmuEX0035523	chr15	79133127	79134735	79134899	79136133	-
Pla2g6	MmuEX0035524	chr15	79133127	79134004	79134032	79134735	-
Pla2g7	MmuEX0035525	chr17	43705735	43722184	43722252	43725513	+
Pla2g7	MmuEX0035526	chr17	43705735	43725513	43725652	43731238	+
Pla2r1	MmuEX0035529	chr2	60285597	60286314	60286349	60286891	-
Pla2r1	MmuEX0035531	chr2	60262432	60263409	60263549	60265684	-
Plaa	MmuEX0035534	chr4	94254278	94256572	94256765	94269568	-
Plaa	MmuEX0035535	chr4	94241925	94245078	94245146	94249172	-
Plaa	MmuEX0035536	chr4	94240774	94241857	94241925	94245078	-
Plaa	MmuEX0035537	chr4	94238542	94240673	94240774	94241857	-
Plag1	MmuEX0035543	chr4	3836149	3839567	3839658	3842768	-
Plagl2	MmuEX0035551	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Plat	MmuEX0035552	chr8	23882303	23882678	23882788	23883108	+
Plat	MmuEX0035553	chr8	23883282	23884089	23884180	23886037	+
Plaur	MmuEX0035554	chr7	25257726	25259229	25259375	25260258	+
Plbd1	MmuEX0035559	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Plbd1	MmuEX0035560	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Plbd2	MmuEX0035561	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Plbd2	MmuEX0035562	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Plcb1	MmuEX0035564	chr2	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plcb1	MmuEX0035566	chr2	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plcb1	MmuEX0035567	chr2	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plcb1	MmuEX0035568	chr2	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plcb2	MmuEX0035573	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Plcb3	MmuEX0035574	chr19	7040944	7041122	7041199	7048685	-
Plcb3	MmuEX0035575	chr19	7039887	7039999	7040074	7040176	-
Plcb3	MmuEX0035576	chr19	7029847	7030204	7030396	7030513	-
Plcb3	MmuEX0035578	chr19	7040390	7040633	7040773	7040876	-
Plcb3	MmuEX0035579	chr19	7040229	7040311	7040390	7040633	-
Plcb4	MmuEX0035581	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035582	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035583	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+

Plcb4	MmuEX0035584	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035585	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035586	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035587	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035588	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035589	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035590	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcb4	MmuEX0035591	chr2	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Plcd1	MmuEX0035592	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Plcd3	MmuEX0035593	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plcd3	MmuEX0035594	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plcd3	MmuEX0035595	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plcd3	MmuEX0035596	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plcd3	MmuEX0035597	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plce1	MmuEX0035604	chr19	38799536	38801258	38801496	38803173	+
Plce1	MmuEX0035605	chr19	38812529	38813738	38813896	38820256	+
Plce1	MmuEX0035606	chr19	38823903	38824931	38825048	38833305	+
Plce1	MmuEX0035607	chr19	38841883	38843941	38844059	38844837	+
Plce1	MmuEX0035608	chr19	38844059	38844837	38844965	38847310	+
Plce1	MmuEX0035609	chr19	38852505	38854256	38854474	38855050	+
Plce1	MmuEX0035610	chr19	38773085	38776310	38776568	38779730	+
Plce1	MmuEX0035611	chr19	38791729	38794046	38794228	38795464	+
Plce1	MmuEX0035612	chr19	38820385	38822900	38822941	38823782	+
Plcg1	MmuEX0035613	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Plcg1	MmuEX0035614	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Plcg1	MmuEX0035615	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Plcg1	MmuEX0035616	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Plcg1	MmuEX0035617	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Plcg1	MmuEX0035618	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Plcg2	MmuEX0035619	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Plcg2	MmuEX0035620	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Plcl1	MmuEX0035631	chr1	55758977	55770265	55770340	55772338	+
Plcl2	MmuEX0035632	chr17	50649262	50750317	50750520	50779441	+
Plcl2	MmuEX0035633	chr17	50779516	50807324	50807433	50827037	+
Plcl2	MmuEX0035634	chr17	50649262	50745620	50748106	50750317	+
Plcl2	MmuEX0035635	chr17	50750520	50779441	50779516	50807324	+
Pld2	MmuEX0035647	chr11	70366066	70366200	70366370	70366837	+
Pld2	MmuEX0035648	chr11	70368666	70368834	70368883	70369098	+
Pld2	MmuEX0035649	chr11	70369563	70370510	70370624	70370841	+
Pld2	MmuEX0035650	chr11	70354941	70355317	70355422	70355503	+
Pld2	MmuEX0035651	chr11	70355422	70355503	70355568	70356086	+
Pld2	MmuEX0035652	chr11	70355568	70356086	70356144	70356263	+
Pld2	MmuEX0035653	chr11	70370624	70370741	70370743	70370841	+
Pld2	MmuEX0035654	chr11	70354116	70354347	70354456	70354565	+
Pld2	MmuEX0035655	chr11	70356597	70357630	70357779	70364682	+
Pld2	MmuEX0035656	chr11	70368883	70369098	70369232	70369410	+
Pld2	MmuEX0035657	chr11	70369232	70369410	70369563	70370510	+

Pld3	MmuEX0035658	chr7	28327923	28330207	28330281	28338017	-
Pld3	MmuEX0035659	chr7	28326287	28326705	28326847	28326933	-
Pld3	MmuEX0035660	chr7	28327007	28327108	28327200	28327658	-
Pld4	MmuEX0035661	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Pldn	MmuEX0035667	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Plec	MmuEX0035668	chr15	76023743	76023840	76023917	76024771	-
Plec	MmuEX0035669	chr15	76022777	76023651	76023743	76023840	-
Plec	MmuEX0035670	chr15	76018504	76018603	76018707	76018894	-
Plec	MmuEX0035671	chr15	76018192	76018409	76018504	76018603	-
Plec	MmuEX0035672	chr15	76012329	76012546	76012579	76013340	-
Plec	MmuEX0035673	chr15	76024860	76024989	76025003	76025181	-
Plec	MmuEX0035674	chr15	76008815	76008949	76012329	76013340	-
Plec	MmuEX0035675	chr15	76023917	76024396	76024431	76024771	-
Plek	MmuEX0035676	chr11	16881936	16883199	16883268	16885532	-
Plekha1	MmuEX0035680	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Plekha1	MmuEX0035681	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Plekha1	MmuEX0035682	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Plekha1	MmuEX0035683	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Plekha1	MmuEX0035684	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Plekha2	MmuEX0035685	chr8	26182527	26198814	26198977	26212132	-
Plekha2	MmuEX0035686	chr8	26172944	26174410	26174458	26182471	-
Plekha2	MmuEX0035687	chr8	26170446	26172847	26172944	26174410	-
Plekha2	MmuEX0035688	chr8	26154174	26162832	26162895	26167766	-
Plekha3	MmuEX0035689	chr2	76513691	76518220	76518336	76520787	+
Plekha3	MmuEX0035690	chr2	76530821	76530936	76531071	76533441	+
Plekha3	MmuEX0035691	chr2	76528545	76529884	76529977	76530706	+
Plekha3	MmuEX0035692	chr2	76524812	76525339	76525503	76528502	+
Plekha4	MmuEX0035693	chr7	52785503	52785939	52786028	52787628	+
Plekha4	MmuEX0035694	chr7	52796281	52796425	52796574	52799316	+
Plekha4	MmuEX0035695	chr7	52803460	52803888	52803973	52804430	+
Plekha4	MmuEX0035696	chr7	52787735	52789708	52789780	52793027	+
Plekha4	MmuEX0035697	chr7	52787735	52789877	52789977	52793027	+
Plekha4	MmuEX0035698	chr7	52787735	52790114	52790223	52793027	+
Plekha4	MmuEX0035699	chr7	52804529	52804600	52804676	52805174	+
Plekha4	MmuEX0035700	chr7	52804529	52805174	52805335	52809135	+
Plekha4	MmuEX0035702	chr7	52808664	52808939	52809051	52809135	+
Plekha4	MmuEX0035703	chr7	52794659	52795850	52795897	52796201	+
Plekha5	MmuEX0035704	chr6	1.4E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035706	chr6	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Plekha5	MmuEX0035707	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035708	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035709	chr6	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Plekha5	MmuEX0035710	chr6	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Plekha5	MmuEX0035711	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035712	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035713	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035714	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+

Plekha5	MmuEX0035715	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035716	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035717	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035718	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha5	MmuEX0035719	chr6	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Plekha6	MmuEX0035720	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035721	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035722	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035723	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035724	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035725	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035726	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035727	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035728	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha6	MmuEX0035729	chr1	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Plekha8	MmuEX0035744	chr6	54566751	54569188	54569346	54570266	+
Plekha8	MmuEX0035745	chr6	54569346	54570266	54570306	54572115	+
Plekha8	MmuEX0035746	chr6	54563202	54565209	54565364	54569188	+
Plekha8	MmuEX0035747	chr6	54563202	54566627	54566751	54569188	+
Plekhh2	MmuEX0035750	chr1	34906908	34909070	34909181	34918718	+
Plekhhg1	MmuEX0035753	chr10	6442984	6473100	6473614	6543741	-
Plekhhg1	MmuEX0035754	chr10	6383140	6386256	6386452	6388336	-
Plekhhg2	MmuEX0035755	chr7	29155516	29156134	29156264	29156879	-
Plekhhg2	MmuEX0035756	chr7	29153130	29153310	29153460	29153698	-
Plekhhg2	MmuEX0035757	chr7	29152854	29152993	29153130	29153310	-
Plekhhg2	MmuEX0035758	chr7	29149651	29149744	29149845	29149936	-
Plekhhg2	MmuEX0035759	chr7	29155180	29155257	29155516	29156134	-
Plekhhg2	MmuEX0035760	chr7	29149333	29149490	29149528	29149604	-
Plekhhg2	MmuEX0035761	chr7	29153744	29153840	29153906	29155080	-
Plekhhg2	MmuEX0035762	chr7	29155516	29155897	29156061	29156134	-
Plekhhg3	MmuEX0035763	chr12	77673732	77674234	77674347	77676844	+
Plekhhg3	MmuEX0035764	chr12	77663290	77664487	77664508	77664742	+
Plekhhg3	MmuEX0035765	chr12	77673056	77673382	77673645	77674234	+
Plekhhg3	MmuEX0035766	chr12	77667253	77672074	77672163	77672591	+
Plekhhg3	MmuEX0035767	chr12	77667253	77672591	77672629	77673034	+
Plekhhg5	MmuEX0035774	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Plekhhg5	MmuEX0035775	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Plekhhg5	MmuEX0035776	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Plekhhg5	MmuEX0035777	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Plekhhh1	MmuEX0035784	chr12	80174541	80175577	80175677	80176388	+
Plekhhh1	MmuEX0035785	chr12	80177583	80177693	80177822	80179635	+
Plekhhj1	MmuEX0035798	chr10	80260584	80260655	80260722	80260826	-
Plekhhj1	MmuEX0035799	chr10	80259567	80260518	80260584	80260655	-
Plekhhj1	MmuEX0035800	chr10	80259567	80260268	80260368	80260518	-
Plekhhm1	MmuEX0035801	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plekhhm1	MmuEX0035802	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plekhhm1	MmuEX0035803	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-

Plekhn1	MmuEX0035804	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plekhn1	MmuEX0035805	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plekhn1	MmuEX0035806	chr11	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Plekhn2	MmuEX0035807	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Plekhn2	MmuEX0035808	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Plekhn2	MmuEX0035809	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Plekhn2	MmuEX0035810	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Plekhn2	MmuEX0035811	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Plekhn2	MmuEX0035812	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Plekhn3	MmuEX0035813	chr1	64841788	64866510	64866667	64907761	-
Plekhn3	MmuEX0035814	chr1	64907824	64929703	64929896	64939326	-
Plekhn1	MmuEX0035815	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Plekhn1	MmuEX0035818	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Plekhn1	MmuEX0035819	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Plekhn1	MmuEX0035820	chr4	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Plekho1	MmuEX0035822	chr3	95796201	95799445	95799591	95799694	-
Plekho1	MmuEX0035823	chr3	95796201	95796638	95796835	95799445	-
Plekho1	MmuEX0035824	chr3	95794825	95796061	95796201	95799445	-
Plekho1	MmuEX0035825	chr3	95794825	95795367	95795471	95799445	-
Plin2	MmuEX0035826	chr4	86306173	86307838	86308117	86310333	-
Plin2	MmuEX0035827	chr4	86294483	86303018	86303308	86304485	-
Plin3	MmuEX0035828	chr17	56426069	56427217	56427299	56429877	-
Plin3	MmuEX0035829	chr17	56421029	56423556	56423853	56425636	-
Plin4	MmuEX0035830	chr17	56241753	56241832	56241918	56242533	-
Plin5	MmuEX0035831	chr17	56255056	56255420	56255527	56255681	-
Plin5	MmuEX0035832	chr17	56251964	56252293	56252406	56253322	-
Plin5	MmuEX0035833	chr17	56255056	56255681	56255876	56256252	-
Plin5	MmuEX0035834	chr17	56256312	56256506	56256620	56256925	-
Plk1s1	MmuEX0035835	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035836	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035837	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035838	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035839	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035840	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035841	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035842	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035843	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk1s1	MmuEX0035844	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Plk3	MmuEX0035845	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Plk3	MmuEX0035846	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Plk4	MmuEX0035848	chr3	40615305	40615802	40615935	40616016	+
Plk4	MmuEX0035849	chr3	40605017	40605707	40605802	40605880	+
Plk4	MmuEX0035850	chr3	40609987	40610409	40610509	40612669	+
Plk4	MmuEX0035851	chr3	40614686	40615156	40615305	40615802	+
Plk5	MmuEX0035855	chr10	79824226	79825754	79825910	79826761	+
Pln	MmuEX0035857	chr10	53057601	53061788	53061914	53063563	+
Plod1	MmuEX0035858	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-

Plod1	MmuEX0035859	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Plod1	MmuEX0035860	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Plod1	MmuEX0035861	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Plod2	MmuEX0035862	chr9	92437406	92440040	92440109	92466093	+
Plod2	MmuEX0035863	chr9	92437406	92466093	92466184	92468309	+
Plod2	MmuEX0035864	chr9	92490221	92491174	92491278	92493426	+
Plod2	MmuEX0035865	chr9	92497899	92499617	92499682	92500211	+
Plod2	MmuEX0035866	chr9	92499682	92500211	92500315	92501346	+
Plod2	MmuEX0035867	chr9	92468445	92473257	92473411	92476040	+
Plod2	MmuEX0035868	chr9	92468445	92476040	92476203	92479329	+
Plod2	MmuEX0035869	chr9	92476203	92479329	92479441	92481677	+
Plod2	MmuEX0035870	chr9	92495720	92496823	92496885	92497786	+
Plod3	MmuEX0035871	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Plod3	MmuEX0035872	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Pls3	MmuEX0035875	chrX	73039061	73039516	73039630	73040646	-
Pls3	MmuEX0035876	chrX	73044829	73045056	73045082	73045841	-
Plscr2	MmuEX0035877	chr9	92170851	92176079	92176621	92176950	+
Plscr2	MmuEX0035878	chr9	92170851	92176950	92177030	92182410	+
Plscr2	MmuEX0035879	chr9	92185976	92190353	92190514	92192010	+
Plscr3	MmuEX0035880	chr11	69660193	69660410	69660577	69660837	+
Plscr3	MmuEX0035881	chr11	69660577	69660837	69661075	69661159	+
Plscr4	MmuEX0035882	chr9	92367850	92377480	92377703	92378659	+
Plscr4	MmuEX0035883	chr9	92367850	92378659	92378701	92379558	+
Pltp	MmuEX0035884	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Pltp	MmuEX0035885	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Plvap	MmuEX0035886	chr8	74030976	74031500	74032206	74032363	-
Plxdc2	MmuEX0035892	chr2	16278864	16433649	16433860	16469744	+
Plxdc2	MmuEX0035893	chr2	16635335	16650880	16651040	16672818	+
Plxdc2	MmuEX0035894	chr2	16433860	16469744	16469890	16486963	+
Plxdc2	MmuEX0035895	chr2	16487032	16560214	16560336	16571736	+
Plxdc2	MmuEX0035896	chr2	16433860	16436705	16436707	16469744	+
Plxna1	MmuEX0035897	chr6	89294103	89304850	89305032	89306452	-
Plxna1	MmuEX0035898	chr6	89284765	89284848	89284999	89285122	-
Plxna1	MmuEX0035899	chr6	89281443	89281835	89281978	89282080	-
Plxna1	MmuEX0035900	chr6	89285487	89287145	89287345	89290517	-
Plxna2	MmuEX0035901	chr1	1.97E+08	1.97E+08	1.97E+08	1.97E+08	+
Plxna2	MmuEX0035902	chr1	1.97E+08	1.97E+08	1.97E+08	1.97E+08	+
Plxna4	MmuEX0035914	chr6	32260592	32446713	32446895	32466495	-
Plxna4	MmuEX0035917	chr6	32146358	32147023	32147169	32147664	-
Plxnb1	MmuEX0035921	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035922	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035923	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035924	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035925	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035926	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035927	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035928	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+

Plxnb1	MmuEX0035929	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb1	MmuEX0035930	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Plxnb2	MmuEX0035931	chr15	89001047	89001497	89001546	89011095	-
Plxnb2	MmuEX0035932	chr15	88998457	89000999	89001047	89011095	-
Plxnb2	MmuEX0035933	chr15	88994964	88995677	88995830	88996133	-
Plxnb2	MmuEX0035934	chr15	88993277	88993353	88993434	88993708	-
Plxnb2	MmuEX0035935	chr15	88992275	88992416	88992552	88992681	-
Plxnb2	MmuEX0035936	chr15	88996436	88996796	88996924	88997014	-
Plxnb2	MmuEX0035937	chr15	88994751	88994850	88994964	88995677	-
Plxnc1	MmuEX0035948	chr10	94257471	94259115	94259262	94260729	-
Plxnd1	MmuEX0035950	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035951	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035952	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035953	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035954	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035955	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035956	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Plxnd1	MmuEX0035957	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Pm20d1	MmuEX0035958	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Pm20d1	MmuEX0035959	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Pm20d1	MmuEX0035960	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Pm20d2	MmuEX0035961	chr4	33270194	33270656	33270793	33274023	-
Pm20d2	MmuEX0035962	chr4	33261826	33266180	33266315	33268680	-
Pmepa1	MmuEX0035967	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Pmf1	MmuEX0035968	chr3	88198492	88199636	88199732	88199827	-
Pmf1	MmuEX0035969	chr3	88200022	88203633	88203738	88214078	-
Pmf1	MmuEX0035970	chr3	88200022	88203057	88203157	88214078	-
Pml	MmuEX0035972	chr9	58082740	58094782	58095245	58097348	-
Pml	MmuEX0035973	chr9	58068376	58069522	58069672	58077162	-
Pml	MmuEX0035974	chr9	58081054	58082160	58082740	58094782	-
Pml	MmuEX0035975	chr9	58077893	58078298	58078435	58080960	-
Pmm1	MmuEX0035976	chr15	81783230	81784802	81784880	81786079	-
Pmm1	MmuEX0035977	chr15	81786178	81786599	81786690	81786792	-
Pmm2	MmuEX0035978	chr16	8651618	8655644	8655781	8656649	+
Pmm2	MmuEX0035979	chr16	8648840	8648975	8649050	8651503	+
Pmm2	MmuEX0035980	chr16	8649050	8651071	8651177	8651503	+
Pmm2	MmuEX0035981	chr16	8649050	8651503	8651618	8655644	+
Pmm2	MmuEX0035982	chr16	8642942	8645462	8645538	8646266	+
Pmp22	MmuEX0035983	chr11	62946746	62947923	62948022	62964621	+
Pmpca	MmuEX0035984	chr2	26247486	26247932	26248195	26248426	+
Pmpca	MmuEX0035985	chr2	26246097	26246604	26246698	26247386	+
Pmpca	MmuEX0035986	chr2	26246698	26247386	26247486	26247932	+
Pmpcb	MmuEX0035987	chr5	21251908	21252113	21252279	21252796	+
Pmpcb	MmuEX0035988	chr5	21254727	21256095	21256188	21262220	+
Pmpcb	MmuEX0035989	chr5	21249276	21250430	21250536	21251796	+
Pmpcb	MmuEX0035990	chr5	21248774	21249197	21249276	21251796	+
Pms1	MmuEX0035991	chr1	53264929	53273075	53273191	53313473	-

Pms1	MmuEX0035995	chr1	53273191	53338785	53338928	53353576	-
Pms1	MmuEX0035996	chr1	53273191	53331914	53332096	53353576	-
Pms1	MmuEX0035998	chr1	53273191	53313473	53313636	53324672	-
Pms2	MmuEX0035999	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036000	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036001	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036002	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036003	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036004	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036005	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036006	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036007	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pms2	MmuEX0036008	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Pmvk	MmuEX0036009	chr3	89263386	89265804	89265867	89268218	+
Pmvk	MmuEX0036010	chr3	89265867	89268218	89268370	89271469	+
Pnck	MmuEX0036011	chrX	70904158	70904519	70904588	70905358	-
Pnck	MmuEX0036012	chrX	70903496	70903593	70903667	70904027	-
Pnck	MmuEX0036013	chrX	70903182	70903358	70903496	70903593	-
Pnck	MmuEX0036014	chrX	70901725	70902009	70902153	70902251	-
Pnck	MmuEX0036015	chrX	70902682	70902777	70902852	70903059	-
Pnck	MmuEX0036016	chrX	70902488	70902570	70902682	70903059	-
Pnkd	MmuEX0036017	chr1	74395395	74395882	74395974	74396288	+
Pnkd	MmuEX0036018	chr1	74332584	74333712	74333782	74393959	+
Pnkp	MmuEX0036019	chr7	52116429	52116517	52116609	52116688	+
Pnkp	MmuEX0036020	chr7	52116609	52116688	52116784	52116870	+
Pnkp	MmuEX0036021	chr7	52112924	52113533	52113579	52113823	+
Pnkp	MmuEX0036022	chr7	52112924	52113823	52114119	52115093	+
Pnkp	MmuEX0036023	chr7	52114119	52115093	52115172	52115258	+
Pnkp	MmuEX0036024	chr7	52115172	52115258	52115315	52116359	+
Pnkp	MmuEX0036025	chr7	52115315	52115447	52115554	52115730	+
Pnkp	MmuEX0036026	chr7	52115554	52115730	52115801	52116233	+
Pnkp	MmuEX0036027	chr7	52115801	52116233	52116281	52116359	+
Pno1	MmuEX0036042	chr11	17104574	17108384	17108667	17108792	-
Pnpla2	MmuEX0036043	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Pnpla2	MmuEX0036044	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Pnpla2	MmuEX0036045	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Pnpla3	MmuEX0036047	chr15	84009765	84011350	84011482	84016407	+
Pnpla6	MmuEX0036051	chr8	3531167	3531429	3531560	3531638	+
Pnpla6	MmuEX0036052	chr8	3537520	3537767	3537883	3541291	+
Pnpla6	MmuEX0036053	chr8	3537520	3537969	3538085	3541291	+
Pnpla6	MmuEX0036055	chr8	3541592	3542298	3542414	3542845	+
Pnpla6	MmuEX0036056	chr8	3542414	3542845	3542941	3543067	+
Pnpla6	MmuEX0036057	chr8	3542941	3543067	3543176	3543954	+
Pnpla7	MmuEX0036060	chr2	24831833	24836233	24836312	24837297	+
Pnpla7	MmuEX0036061	chr2	24852870	24854142	24854279	24858135	+
Pnpla7	MmuEX0036062	chr2	24896648	24897112	24897190	24897609	+
Pnpla7	MmuEX0036063	chr2	24906491	24907121	24907269	24907552	+

Pnpla7	MmuEX0036064	chr2	24867231	24870670	24870801	24872027	+
Pnpla7	MmuEX0036065	chr2	24875037	24877462	24877531	24885027	+
Pnpla7	MmuEX0036066	chr2	24885176	24894357	24894420	24895123	+
Pnpla7	MmuEX0036067	chr2	24897727	24903128	24903284	24905519	+
Pnpla7	MmuEX0036068	chr2	24907704	24907828	24907938	24908073	+
Pnpla7	MmuEX0036071	chr2	24831833	24835554	24835628	24836233	+
Pnpla7	MmuEX0036072	chr2	24831833	24835723	24835810	24836233	+
Pnpla7	MmuEX0036073	chr2	24908157	24908511	24908590	24908915	+
Pnpla7	MmuEX0036074	chr2	24908157	24908915	24909018	24909191	+
Pnpla8	MmuEX0036075	chr12	45384691	45384780	45384929	45389158	+
Pnpla8	MmuEX0036076	chr12	45391647	45396885	45397056	45400221	+
Pnpla8	MmuEX0036077	chr12	45397056	45400221	45400278	45405898	+
Pnpla8	MmuEX0036078	chr12	45355760	45369316	45370288	45383565	+
Pnpla8	MmuEX0036079	chr12	45400278	45405898	45406092	45408906	+
Pnpo	MmuEX0036080	chr11	96802269	96803724	96803848	96805045	-
Pnpo	MmuEX0036081	chr11	96801383	96802170	96802269	96803724	-
Pnpt1	MmuEX0036082	chr11	29048331	29053232	29053338	29054144	+
Pnpt1	MmuEX0036083	chr11	29053338	29054144	29054215	29054302	+
Pnpt1	MmuEX0036084	chr11	29037300	29038156	29038269	29038418	+
Pnpt1	MmuEX0036085	chr11	29030918	29032845	29032905	29033852	+
Pnpt1	MmuEX0036086	chr11	29040005	29041224	29041320	29041664	+
Pnpt1	MmuEX0036087	chr11	29041766	29045429	29045499	29047298	+
Pnpt1	MmuEX0036088	chr11	29041766	29046796	29046832	29047298	+
Poc1a	MmuEX0036089	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Poc1a	MmuEX0036090	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Poc1a	MmuEX0036091	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Poc1a	MmuEX0036092	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Poc1a	MmuEX0036093	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Poc1b	MmuEX0036094	chr10	98569857	98570426	98570510	98587465	+
Poc1b	MmuEX0036095	chr10	98592296	98606869	98606976	98607113	+
Poc1b	MmuEX0036096	chr10	98607228	98615435	98615568	98617703	+
Poc1b	MmuEX0036097	chr10	98615568	98617703	98617771	98618836	+
Poc1b	MmuEX0036098	chr10	98618985	98620016	98620053	98627503	+
Poc1b	MmuEX0036099	chr10	98570510	98587465	98587636	98592117	+
Poc1b	MmuEX0036100	chr10	98592296	98596945	98597101	98606869	+
Poc1b	MmuEX0036101	chr10	98618985	98627220	98627241	98627503	+
Poc1b	MmuEX0036102	chr10	98618985	98627503	98627583	98655416	+
Poc1b	MmuEX0036103	chr10	98627583	98655416	98655631	98659260	+
Poc5	MmuEX0036104	chr13	97158486	97160178	97160317	97161543	+
Poc5	MmuEX0036105	chr13	97164524	97166595	97166785	97168649	+
Poc5	MmuEX0036106	chr13	97161630	97163182	97163299	97164447	+
Poc5	MmuEX0036107	chr13	97163299	97164447	97164524	97166595	+
Poc5	MmuEX0036108	chr13	97174638	97180046	97180265	97180545	+
Podn	MmuEX0036109	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Podn	MmuEX0036110	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Podxl	MmuEX0036115	chr6	31473219	31473428	31473536	31474305	-
Podxl2	MmuEX0036116	chr6	88798803	88799189	88799848	88799954	-

Podxl2	MmuEX0036117	chr6	88799848	88799954	88799982	88815011	-
Pofut1	MmuEX0036120	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Pofut1	MmuEX0036121	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Pofut1	MmuEX0036122	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Pofut1	MmuEX0036123	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Pofut1	MmuEX0036124	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Pofut1	MmuEX0036125	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Pofut2	MmuEX0036126	chr10	76723569	76725182	76725326	76726010	+
Pofut2	MmuEX0036127	chr10	76727767	76728581	76728706	76729658	+
Pogk	MmuEX0036128	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pogk	MmuEX0036129	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pogk	MmuEX0036130	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Poglut1	MmuEX0036131	chr16	38543041	38545831	38545966	38548520	-
Pogz	MmuEX0036132	chr3	94641662	94657872	94657996	94659965	+
Pogz	MmuEX0036133	chr3	94668300	94668380	94668589	94674002	+
Pogz	MmuEX0036134	chr3	94675247	94676195	94676349	94678516	+
Pogz	MmuEX0036135	chr3	94680692	94680836	94681005	94681158	+
Pogz	MmuEX0036136	chr3	94664893	94666344	94666452	94668010	+
Pogz	MmuEX0036137	chr3	94657996	94659965	94660123	94664718	+
Pogz	MmuEX0036138	chr3	94666452	94668010	94668300	94668380	+
Pola1	MmuEX0036143	chrX	90666022	90697103	90697314	90706708	-
Pola1	MmuEX0036144	chrX	90551155	90620930	90621023	90665906	-
Pola1	MmuEX0036149	chrX	90666022	90736082	90736287	90738058	-
Pola1	MmuEX0036151	chrX	90666022	90725818	90725949	90733434	-
Pola1	MmuEX0036152	chrX	90666022	90719652	90719826	90725818	-
Pola1	MmuEX0036153	chrX	90666022	90708633	90708811	90719652	-
Pola1	MmuEX0036154	chrX	90621023	90665906	90666022	90706708	-
Pola2	MmuEX0036163	chr19	5961215	5963294	5963398	5963826	-
Pola2	MmuEX0036164	chr19	5948526	5950446	5950488	5951142	-
Pola2	MmuEX0036165	chr19	5947742	5948402	5948526	5950446	-
Pola2	MmuEX0036166	chr19	5951786	5951906	5951982	5953065	-
Pola2	MmuEX0036167	chr19	5951786	5951898	5951901	5953065	-
Pola2	MmuEX0036168	chr19	5943663	5946470	5946543	5947704	-
Pola2	MmuEX0036169	chr19	5956114	5961091	5961186	5963826	-
Pola2	MmuEX0036170	chr19	5956114	5959033	5959124	5963826	-
Pola2	MmuEX0036171	chr19	5956114	5958818	5958875	5963826	-
Polb	MmuEX0036172	chr8	23758728	23760961	23761027	23763532	-
Polb	MmuEX0036173	chr8	23750476	23750831	23750903	23750985	-
Polb	MmuEX0036174	chr8	23751039	23752777	23752828	23755517	-
Polb	MmuEX0036175	chr8	23741991	23747540	23747571	23750406	-
Polb	MmuEX0036176	chr8	23738841	23741927	23741991	23747540	-
Polb	MmuEX0036177	chr8	23738841	23740815	23740954	23741912	-
Polb	MmuEX0036178	chr8	23761027	23763532	23763589	23763786	-
Polb	MmuEX0036179	chr8	23752828	23758654	23758724	23760961	-
Polb	MmuEX0036180	chr8	23752828	23757885	23757943	23758654	-
Polb	MmuEX0036181	chr8	23752828	23755517	23755566	23757885	-
Pold1	MmuEX0036182	chr7	51796380	51796645	51796774	51796860	-

Pold1	MmuEX0036183	chr7	51794062	51794143	51794334	51794424	-
Pold1	MmuEX0036184	chr7	51793475	51793697	51793813	51793974	-
Pold1	MmuEX0036185	chr7	51790562	51790710	51790830	51791069	-
Pold1	MmuEX0036186	chr7	51789387	51789755	51789857	51789934	-
Pold1	MmuEX0036187	chr7	51790086	51790387	51790562	51791069	-
Pold1	MmuEX0036188	chr7	51793125	51793362	51793475	51793697	-
Pold3	MmuEX0036189	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Pold3	MmuEX0036190	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Poldip3	MmuEX0036191	chr15	82965819	82967898	82967984	82968562	-
Poldip3	MmuEX0036192	chr15	82963756	82965724	82965819	82967898	-
Pole	MmuEX0036200	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Pole	MmuEX0036201	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Pole	MmuEX0036204	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Polg	MmuEX0036214	chr7	86599597	86599697	86599750	86600321	-
Polg	MmuEX0036215	chr7	86596914	86596993	86597115	86598591	-
Polg	MmuEX0036216	chr7	86596636	86596746	86596914	86596993	-
Polg	MmuEX0036217	chr7	86594923	86595371	86595531	86596428	-
Polg	MmuEX0036218	chr7	86605566	86606584	86606779	86609490	-
Polg	MmuEX0036219	chr7	86594420	86594835	86594923	86595371	-
Polg	MmuEX0036220	chr7	86604186	86604399	86604471	86604575	-
Polg	MmuEX0036221	chr7	86601398	86601594	86601714	86603060	-
Polg	MmuEX0036222	chr7	86601074	86601321	86601398	86601594	-
Polg	MmuEX0036223	chr7	86600481	86600927	86601034	86601321	-
Polg2	MmuEX0036224	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Polg2	MmuEX0036225	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Polg2	MmuEX0036226	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Polg2	MmuEX0036227	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Polh	MmuEX0036228	chr17	46310045	46311888	46312022	46312100	-
Polh	MmuEX0036229	chr17	46319757	46321639	46321758	46324976	-
Polh	MmuEX0036230	chr17	46310045	46312100	46312269	46318415	-
Polh	MmuEX0036231	chr17	46335717	46336341	46336483	46339346	-
Polh	MmuEX0036232	chr17	46318480	46319634	46319757	46321639	-
Polh	MmuEX0036233	chr17	46312269	46318415	46318480	46319634	-
Polh	MmuEX0036234	chr17	46327725	46331151	46331365	46335583	-
Polh	MmuEX0036235	chr17	46325079	46327556	46327725	46335583	-
Poli	MmuEX0036236	chr18	70677158	70680327	70680701	70681504	-
Poli	MmuEX0036237	chr18	70676650	70677031	70677158	70681504	-
Poli	MmuEX0036238	chr18	70683053	70685030	70685182	70686211	-
Poli	MmuEX0036239	chr18	70681595	70682356	70682534	70682817	-
Poli	MmuEX0036240	chr18	70683053	70684385	70684514	70685030	-
Poli	MmuEX0036241	chr18	70686375	70688356	70688478	70689405	-
Polk	MmuEX0036242	chr13	97252209	97252413	97252446	97253446	-
Polk	MmuEX0036243	chr13	97265487	97266729	97266797	97271474	-
Polk	MmuEX0036244	chr13	97265487	97266448	97266510	97271474	-
Polk	MmuEX0036245	chr13	97259233	97263784	97263950	97265363	-
Polk	MmuEX0036247	chr13	97252446	97253446	97253871	97256763	-
Polk	MmuEX0036248	chr13	97286713	97288984	97289142	97312181	-

Polk	MmuEX0036249	chr13	97271627	97278167	97278319	97286594	-
Polk	MmuEX0036250	chr13	97271627	97274466	97274597	97278167	-
Poll	MmuEX0036251	chr19	45634206	45634687	45634854	45634976	-
Poll	MmuEX0036252	chr19	45633409	45634070	45634206	45634976	-
Poll	MmuEX0036253	chr19	45629709	45630412	45630585	45632205	-
Polm	MmuEX0036254	chr11	5729931	5730071	5730203	5731663	-
Polm	MmuEX0036257	chr11	5735589	5735704	5735802	5737564	-
Poln	MmuEX0036260	chr5	34446612	34447825	34447878	34449736	-
Poln	MmuEX0036262	chr5	34375477	34419746	34419860	34421565	-
Poln	MmuEX0036263	chr5	34367086	34375395	34375477	34419746	-
Poln	MmuEX0036264	chr5	34351550	34352236	34352303	34356151	-
Poln	MmuEX0036267	chr5	34357002	34366955	34367086	34375395	-
Poln	MmuEX0036268	chr5	34351550	34356892	34357002	34366955	-
Poln	MmuEX0036269	chr5	34350158	34356151	34356229	34356892	-
Poln	MmuEX0036270	chr5	34350158	34351489	34351550	34352236	-
Poln	MmuEX0036273	chr5	34492510	34510054	34510907	34512039	-
Poln	MmuEX0036274	chr5	34492510	34508565	34509004	34512039	-
Poln	MmuEX0036275	chr5	34492510	34506172	34506400	34512039	-
Poln	MmuEX0036276	chr5	34375477	34421565	34421642	34446547	-
Polq	MmuEX0036277	chr16	37071899	37073993	37074186	37077104	+
Polq	MmuEX0036278	chr16	37077241	37078374	37078548	37082114	+
Polq	MmuEX0036279	chr16	37091241	37092908	37093061	37094100	+
Polq	MmuEX0036281	chr16	37086778	37089356	37089467	37091117	+
Polr1a	MmuEX0036282	chr6	71900915	71902980	71903078	71904687	+
Polr1a	MmuEX0036283	chr6	71904839	71911518	71911600	71913668	+
Polr1b	MmuEX0036284	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Polr1c	MmuEX0036285	chr17	46383163	46384678	46384749	46384844	-
Polr1e	MmuEX0036287	chr4	45040343	45040875	45040971	45042210	+
Polr1e	MmuEX0036288	chr4	45036150	45037351	45037421	45038642	+
Polr1e	MmuEX0036289	chr4	45032249	45032427	45032539	45035080	+
Polr1e	MmuEX0036290	chr4	45042343	45043625	45043706	45044239	+
Polr1e	MmuEX0036291	chr4	45036150	45038018	45038090	45038642	+
Polr2a	MmuEX0036292	chr11	69558309	69558422	69558546	69559071	-
Polr2b	MmuEX0036293	chr5	77763596	77764659	77764857	77765452	+
Polr2b	MmuEX0036294	chr5	77742248	77744875	77745025	77748989	+
Polr2d	MmuEX0036297	chr18	31951674	31954942	31955037	31955704	+
Polr2e	MmuEX0036298	chr10	79499718	79499933	79500129	79501184	-
Polr2g	MmuEX0036299	chr19	8869020	8871726	8871885	8872691	-
Polr2h	MmuEX0036301	chr16	20719157	20720592	20720675	20721983	+
Polr2j	MmuEX0036302	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Polr3a	MmuEX0036303	chr14	25282913	25283474	25283592	25284483	-
Polr3a	MmuEX0036304	chr14	25276527	25279186	25279299	25280922	-
Polr3a	MmuEX0036305	chr14	25276321	25276441	25276527	25279186	-
Polr3a	MmuEX0036306	chr14	25295103	25295235	25295338	25298328	-
Polr3a	MmuEX0036307	chr14	25295338	25296467	25296534	25298328	-
Polr3a	MmuEX0036308	chr14	25301756	25302009	25302180	25303340	-
Polr3b	MmuEX0036309	chr10	84143209	84146922	84147049	84155542	+

Polr3b	MmuEX0036310	chr10	84176477	84176990	84177156	84181155	+
Polr3b	MmuEX0036311	chr10	84183262	84187480	84187587	84188396	+
Polr3b	MmuEX0036312	chr10	84102595	84109541	84109663	84115419	+
Polr3b	MmuEX0036313	chr10	84094605	84095200	84095300	84097646	+
Polr3b	MmuEX0036314	chr10	84137464	84139628	84139781	84142491	+
Polr3b	MmuEX0036315	chr10	84155751	84158300	84158458	84159694	+
Polr3b	MmuEX0036316	chr10	84158458	84159694	84159811	84162144	+
Polr3c	MmuEX0036317	chr3	96527975	96529757	96529922	96531272	-
Polr3c	MmuEX0036318	chr3	96520403	96520590	96520670	96523157	-
Polr3c	MmuEX0036319	chr3	96527622	96527720	96527975	96529757	-
Polr3d	MmuEX0036320	chr14	70839385	70839525	70839677	70839821	-
Polr3e	MmuEX0036321	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Polr3e	MmuEX0036322	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Polr3e	MmuEX0036323	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Polr3e	MmuEX0036324	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Polr3f	MmuEX0036325	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Polr3f	MmuEX0036326	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Polr3g	MmuEX0036327	chr13	81821193	81826125	81826175	81828196	-
Polr3g	MmuEX0036328	chr13	81833776	81838743	81838892	81849857	-
Polr3gl	MmuEX0036329	chr3	96385696	96386011	96386178	96398007	-
Polr3gl	MmuEX0036330	chr3	96384826	96385567	96385696	96386011	-
Polrmt	MmuEX0036331	chr10	79200254	79200345	79200458	79200545	-
Polrmt	MmuEX0036332	chr10	79200107	79200206	79200254	79200345	-
Polrmt	MmuEX0036333	chr10	79204639	79204733	79204863	79205923	-
Polrmt	MmuEX0036334	chr10	79206473	79206624	79206764	79208419	-
Polrmt	MmuEX0036335	chr10	79201195	79201427	79201549	79201888	-
Polrmt	MmuEX0036336	chr10	79200955	79201073	79201155	79201427	-
Pom121	MmuEX0036337	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Pomgnt1	MmuEX0036339	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pomgnt1	MmuEX0036340	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pomgnt1	MmuEX0036341	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pomgnt1	MmuEX0036342	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pomgnt1	MmuEX0036343	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pomgnt1	MmuEX0036344	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pomt1	MmuEX0036345	chr2	32092261	32092880	32093031	32095947	+
Pomt1	MmuEX0036346	chr2	32099232	32099754	32099909	32101067	+
Pomt1	MmuEX0036347	chr2	32093031	32095947	32096053	32096185	+
Pomt1	MmuEX0036348	chr2	32104231	32105990	32106082	32106309	+
Pomt1	MmuEX0036349	chr2	32108522	32109236	32109413	32109793	+
Pomt1	MmuEX0036350	chr2	32098524	32098985	32099050	32099139	+
Pomt1	MmuEX0036351	chr2	32101630	32103057	32103149	32104135	+
Pomt1	MmuEX0036352	chr2	32106429	32106782	32106879	32107430	+
Pomt1	MmuEX0036353	chr2	32107543	32108396	32108522	32109236	+
Pomt1	MmuEX0036354	chr2	32099909	32101067	32101197	32101535	+
Pomt2	MmuEX0036355	chr12	88479057	88480594	88480678	88488121	-
Pomt2	MmuEX0036356	chr12	88452900	88457481	88457557	88458335	-
Pomt2	MmuEX0036357	chr12	88472781	88474310	88474418	88476445	-

Pomt2	MmuEX0036358	chr12	88471345	88472622	88472781	88474310	-
Pomt2	MmuEX0036359	chr12	88469985	88471239	88471345	88472622	-
Pomt2	MmuEX0036360	chr12	88460600	88463792	88463861	88465762	-
Pomt2	MmuEX0036361	chr12	88457557	88458335	88458426	88458889	-
Pon2	MmuEX0036364	chr6	5217046	5218978	5219178	5222325	-
Pon2	MmuEX0036365	chr6	5227927	5239013	5239083	5248212	-
Pon2	MmuEX0036366	chr6	5227927	5228719	5228812	5239013	-
Pon3	MmuEX0036367	chr6	5186998	5190813	5190978	5196278	-
Pon3	MmuEX0036368	chr6	5182524	5186872	5186998	5190813	-
Pon3	MmuEX0036369	chr6	5196333	5204516	5204586	5206153	-
Pop1	MmuEX0036370	chr15	34445712	34447582	34447773	34455918	+
Pop1	MmuEX0036371	chr15	34432233	34434714	34434889	34436174	+
Pop1	MmuEX0036372	chr15	34437962	34438359	34438546	34439518	+
Pop1	MmuEX0036373	chr15	34439774	34440087	34440180	34441669	+
Pop1	MmuEX0036374	chr15	34442606	34442845	34442934	34445597	+
Pop4	MmuEX0036375	chr7	39050980	39051146	39051223	39052388	-
Pop4	MmuEX0036376	chr7	39049448	39050919	39050980	39051146	-
Pop4	MmuEX0036377	chr7	39052614	39053624	39053678	39053921	-
Pop5	MmuEX0036378	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Popdc2	MmuEX0036379	chr16	38369678	38373905	38374463	38377741	+
Popdc2	MmuEX0036380	chr16	38363233	38369570	38369678	38373905	+
Por	MmuEX0036381	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Por	MmuEX0036382	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Porcn	MmuEX0036384	chrX	7775211	7775332	7776030	7776193	-
Porcn	MmuEX0036386	chrX	7771403	7776193	7776278	7776357	-
Porcn	MmuEX0036387	chrX	7771403	7775101	7775211	7776193	-
Porcn	MmuEX0036388	chrX	7778402	7781322	7781443	7782691	-
Porcn	MmuEX0036389	chrX	7778402	7780918	7780961	7782691	-
Porcn	MmuEX0036391	chrX	7778402	7780285	7780415	7782691	-
Porcn	MmuEX0036392	chrX	7778402	7778570	7778695	7782691	-
Postn	MmuEX0036393	chr3	54181528	54184334	54184414	54187310	+
Postn	MmuEX0036394	chr3	54188495	54189130	54189207	54193261	+
Postn	MmuEX0036395	chr3	54189207	54189593	54189676	54193261	+
Pot1a	MmuEX0036396	chr6	25750510	25751353	25751441	25755875	-
Pot1a	MmuEX0036397	chr6	25748055	25750284	25750510	25755875	-
Pot1a	MmuEX0036398	chr6	25707287	25708818	25708903	25714252	-
Pot1a	MmuEX0036399	chr6	25703354	25706163	25706319	25707225	-
Pot1a	MmuEX0036400	chr6	25695996	25698291	25698382	25700050	-
Pot1a	MmuEX0036401	chr6	25700138	25702360	25702495	25703149	-
Pot1a	MmuEX0036402	chr6	25744674	25748009	25748055	25750284	-
Pot1b	MmuEX0036403	chr17	55813438	55827087	55827256	55832020	-
Pot1b	MmuEX0036405	chr17	55809194	55812129	55812191	55813350	-
Pot1b	MmuEX0036406	chr17	55803703	55804946	55805081	55805710	-
Pot1b	MmuEX0036407	chr17	55832175	55834325	55834615	55837755	-
Pot1b	MmuEX0036408	chr17	55845450	55848296	55848384	55850137	-
Pou2f1	MmuEX0036411	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou2f1	MmuEX0036412	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-

Pou2f1	MmuEX0036413	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou2f1	MmuEX0036414	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou2f1	MmuEX0036415	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou2f1	MmuEX0036416	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou2f1	MmuEX0036417	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou2f1	MmuEX0036418	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Pou6f1	MmuEX0036424	chr15	1E+08	1E+08	1E+08	1E+08	-
Pou6f1	MmuEX0036425	chr15	1E+08	1E+08	1E+08	1E+08	-
Pou6f1	MmuEX0036427	chr15	1E+08	1E+08	1E+08	1E+08	-
Pou6f1	MmuEX0036428	chr15	1E+08	1E+08	1E+08	1E+08	-
Ppa2	MmuEX0036434	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036435	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036436	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036437	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036438	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036439	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036440	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036441	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppa2	MmuEX0036442	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Ppan	MmuEX0036443	chr9	20693021	20693782	20693883	20694078	+
Ppan	MmuEX0036444	chr9	20694128	20694215	20694385	20695083	+
Ppap2a	MmuEX0036445	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ppap2a	MmuEX0036446	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ppap2a	MmuEX0036447	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ppap2a	MmuEX0036448	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ppap2b	MmuEX0036449	chr4	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ppap2b	MmuEX0036450	chr4	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ppap2b	MmuEX0036451	chr4	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ppap2b	MmuEX0036452	chr4	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ppap2c	MmuEX0036453	chr10	78993517	78993622	78993726	78996369	-
Ppapdc1b	MmuEX0036458	chr8	26831117	26831646	26831709	26832134	+
Ppapdc1b	MmuEX0036459	chr8	26832258	26832902	26833072	26834552	+
Ppapdc1b	MmuEX0036460	chr8	26833072	26833503	26833585	26834552	+
Ppapdc3	MmuEX0036461	chr2	31951782	31963991	31964121	31965129	+
Ppara	MmuEX0036462	chr15	85567308	85607951	85608197	85617538	+
Ppard	MmuEX0036463	chr17	28369809	28373957	28374040	28423206	+
Ppard	MmuEX0036464	chr17	28432440	28434031	28434169	28435222	+
Ppard	MmuEX0036465	chr17	28374040	28423206	28423412	28432286	+
Ppard	MmuEX0036466	chr17	28423412	28432286	28432440	28434031	+
Pparg	MmuEX0036467	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pparg	MmuEX0036468	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pparg	MmuEX0036469	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pparg	MmuEX0036470	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pparg	MmuEX0036471	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pparg	MmuEX0036472	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pparg	MmuEX0036473	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppargc1a	MmuEX0036474	chr5	51849522	51853945	51854096	51854445	-

Ppargc1a	MmuEX0036475	chr5	51865650	51880777	51880837	51881256	-
Ppargc1a	MmuEX0036476	chr5	51865650	51886909	51887034	51939751	-
Ppargc1a	MmuEX0036477	chr5	51881360	51881439	51881484	51885840	-
Ppargc1a	MmuEX0036478	chr5	51854566	51864735	51865650	51881256	-
Ppargc1a	MmuEX0036479	chr5	51854566	51864118	51864222	51864735	-
Ppargc1a	MmuEX0036480	chr5	51854566	51863837	51863953	51864115	-
Ppargc1b	MmuEX0036482	chr18	61462394	61464362	61464437	61466861	-
Ppargc1b	MmuEX0036485	chr18	61475603	61482789	61482962	61559944	-
Ppcdc	MmuEX0036486	chr9	57263279	57267970	57268098	57268933	-
Ppcdc	MmuEX0036487	chr9	57262533	57262893	57263061	57267970	-
Ppcdc	MmuEX0036488	chr9	57285289	57286921	57287169	57287877	-
Ppcdc	MmuEX0036489	chr9	57285289	57285805	57285957	57287877	-
Ppcdc	MmuEX0036490	chr9	57282892	57285224	57285289	57287877	-
Ppcdc	MmuEX0036491	chr9	57269028	57281408	57281638	57282710	-
Ppcdc	MmuEX0036492	chr9	57268098	57268933	57269028	57282710	-
Ppfia1	MmuEX0036497	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036498	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036499	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036500	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036501	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036502	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036503	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036504	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036505	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia1	MmuEX0036506	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Ppfia4	MmuEX0036517	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Ppfia4	MmuEX0036519	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Ppfia4	MmuEX0036520	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Ppfibp1	MmuEX0036526	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036527	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036528	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036529	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036530	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036531	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036532	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp1	MmuEX0036533	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ppfibp2	MmuEX0036534	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036535	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036536	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036537	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036538	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036539	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036540	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036541	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036542	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036543	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfibp2	MmuEX0036544	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+

Ppfbp2	MmuEX0036545	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ppfbp2	MmuEX0036546	chr7	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Pphln1	MmuEX0036547	chr15	93290222	93295536	93295676	93319405	+
Pphln1	MmuEX0036548	chr15	93229135	93229658	93229924	93241103	+
Pphln1	MmuEX0036549	chr15	93229135	93241123	93241214	93254445	+
Pphln1	MmuEX0036550	chr15	93241214	93250715	93250921	93254445	+
Pphln1	MmuEX0036551	chr15	93241214	93254445	93254506	93271932	+
Pphln1	MmuEX0036552	chr15	93272147	93282548	93282604	93285882	+
Pphln1	MmuEX0036553	chr15	93272147	93285888	93285961	93295536	+
Pphln1	MmuEX0036554	chr15	93285961	93290103	93290222	93295536	+
Ppib	MmuEX0036556	chr9	65910889	65912884	65912957	65913294	+
Ppic	MmuEX0036557	chr18	53570734	53571160	53571273	53577494	-
Ppic	MmuEX0036558	chr18	53568963	53570641	53570734	53571160	-
Ppie	MmuEX0036559	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Ppie	MmuEX0036560	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Ppie	MmuEX0036561	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Ppie	MmuEX0036562	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Ppif	MmuEX0036563	chr14	26517827	26518727	26518852	26518953	+
Ppif	MmuEX0036564	chr14	26513909	26515490	26515578	26517752	+
Ppif	MmuEX0036565	chr14	26515578	26517059	26517155	26517752	+
Ppig	MmuEX0036566	chr2	69561014	69569548	69569637	69569803	+
Ppig	MmuEX0036567	chr2	69570982	69571246	69571290	69572348	+
Ppig	MmuEX0036568	chr2	69572435	69573925	69573954	69574046	+
Ppig	MmuEX0036569	chr2	69561014	69569803	69569870	69570254	+
Ppig	MmuEX0036570	chr2	69579750	69581670	69581837	69584085	+
Ppih	MmuEX0036571	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ppil1	MmuEX0036574	chr17	29398836	29399087	29399117	29400817	-
Ppil2	MmuEX0036575	chr16	17092397	17092778	17092992	17093104	-
Ppil2	MmuEX0036576	chr16	17091385	17091525	17091685	17091949	-
Ppil2	MmuEX0036577	chr16	17090251	17091268	17091385	17091949	-
Ppil2	MmuEX0036578	chr16	17107870	17108249	17108353	17109738	-
Ppil2	MmuEX0036579	chr16	17091982	17092308	17092397	17092778	-
Ppil2	MmuEX0036580	chr16	17096887	17097449	17097540	17100349	-
Ppil2	MmuEX0036581	chr16	17107317	17109738	17109787	17111236	-
Ppil2	MmuEX0036582	chr16	17100400	17107272	17107317	17111236	-
Ppil2	MmuEX0036583	chr16	17100400	17106086	17106148	17111236	-
Ppil2	MmuEX0036584	chr16	17100400	17103669	17103720	17111236	-
Ppil3	MmuEX0036585	chr1	58488174	58491175	58491293	58495188	-
Ppil3	MmuEX0036586	chr1	58495255	58496534	58496703	58497687	-
Ppil3	MmuEX0036587	chr1	58491293	58495188	58495255	58497687	-
Ppil3	MmuEX0036588	chr1	58499443	58501433	58501483	58501990	-
Ppil4	MmuEX0036589	chr10	7521767	7521859	7522004	7524754	+
Ppil4	MmuEX0036590	chr10	7518355	7518761	7518826	7519351	+
Ppip5k1	MmuEX0036598	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036599	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036600	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036601	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-

Ppip5k1	MmuEX0036602	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036603	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036604	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036605	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k1	MmuEX0036606	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ppip5k2	MmuEX0036607	chr1	99655941	99658002	99658398	99666432	-
Ppip5k2	MmuEX0036608	chr1	99625609	99626488	99626615	99630463	-
Ppip5k2	MmuEX0036609	chr1	99624079	99625495	99625609	99626488	-
Ppip5k2	MmuEX0036610	chr1	99653511	99655746	99655941	99658002	-
Ppip5k2	MmuEX0036611	chr1	99652548	99653421	99653511	99655746	-
Ppip5k2	MmuEX0036612	chr1	99616483	99617683	99617856	99620247	-
Ppip5k2	MmuEX0036613	chr1	99609721	99614019	99614138	99616411	-
Ppip5k2	MmuEX0036614	chr1	99609721	99613119	99613181	99616411	-
Ppm1a	MmuEX0036619	chr12	73893822	73893941	73894124	73894699	+
Ppm1b	MmuEX0036620	chr17	85357734	85373360	85373461	85393020	+
Ppm1b	MmuEX0036621	chr17	85404906	85422372	85422419	85423036	+
Ppm1d	MmuEX0036622	chr11	85153298	85156113	85156197	85159138	+
Ppm1d	MmuEX0036623	chr11	85125425	85140369	85140594	85150567	+
Ppm1d	MmuEX0036624	chr11	85125425	85145753	85145834	85150567	+
Ppm1e	MmuEX0036625	chr11	87051077	87054105	87054293	87057771	-
Ppm1e	MmuEX0036626	chr11	87045430	87050934	87051077	87054105	-
Ppm1e	MmuEX0036627	chr11	87045430	87050632	87050725	87050934	-
Ppm1f	MmuEX0036628	chr16	16903684	16904603	16904700	16911032	+
Ppm1f	MmuEX0036629	chr16	16903684	16911032	16911174	16914127	+
Ppm1g	MmuEX0036630	chr5	31510471	31510760	31510829	31522676	-
Ppm1g	MmuEX0036631	chr5	31510068	31510386	31510471	31510760	-
Ppm1h	MmuEX0036632	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ppm1h	MmuEX0036633	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ppm1h	MmuEX0036634	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ppm1j	MmuEX0036635	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ppm1j	MmuEX0036636	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Ppm1k	MmuEX0036637	chr6	57465752	57472743	57472843	57474731	-
Ppm1k	MmuEX0036638	chr6	57465752	57468039	57468201	57472743	-
Ppm1k	MmuEX0036639	chr6	57464070	57464968	57465112	57465587	-
Ppm1l	MmuEX0036640	chr3	69121887	69301693	69301867	69353248	+
Ppm1l	MmuEX0036641	chr3	69301867	69353248	69353409	69356750	+
Ppm1m	MmuEX0036642	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ppm1m	MmuEX0036643	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ppm1m	MmuEX0036644	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ppme1	MmuEX0036647	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ppme1	MmuEX0036648	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ppme1	MmuEX0036649	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ppme1	MmuEX0036650	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Ppox	MmuEX0036651	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppox	MmuEX0036652	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppox	MmuEX0036653	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppox	MmuEX0036654	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-

Ppp1ca	MmuEX0036655	chr19	4192271	4192434	4192485	4192711	+
Ppp1ca	MmuEX0036656	chr19	4192271	4192745	4192876	4193022	+
Ppp1cb	MmuEX0036657	chr5	32787703	32788254	32788405	32793327	+
Ppp1cb	MmuEX0036658	chr5	32788405	32789944	32790078	32793327	+
Ppp1cc	MmuEX0036659	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ppp1cc	MmuEX0036660	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ppp1r10	MmuEX0036661	chr17	36061854	36063147	36063224	36063345	+
Ppp1r10	MmuEX0036662	chr17	36066229	36066337	36066531	36066718	+
Ppp1r10	MmuEX0036663	chr17	36054661	36056649	36056722	36060253	+
Ppp1r10	MmuEX0036664	chr17	36066793	36088370	36088501	36089133	+
Ppp1r10	MmuEX0036665	chr17	36065843	36084411	36084654	36089133	+
Ppp1r10	MmuEX0036666	chr17	36084654	36084977	36085040	36089133	+
Ppp1r10	MmuEX0036667	chr17	36085040	36088091	36088166	36089133	+
Ppp1r12a	MmuEX0036668	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036669	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036670	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036671	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036672	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036673	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036674	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036675	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036676	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036677	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036678	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036679	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036680	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12a	MmuEX0036681	chr10	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ppp1r12b	MmuEX0036682	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036683	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036684	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036685	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036686	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036687	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036688	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036689	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036690	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12b	MmuEX0036691	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Ppp1r12c	MmuEX0036692	chr7	4435335	4435543	4435674	4436052	-
Ppp1r12c	MmuEX0036693	chr7	4434290	4434393	4434495	4434575	-
Ppp1r12c	MmuEX0036694	chr7	4434495	4434575	4434615	4434705	-
Ppp1r12c	MmuEX0036695	chr7	4448937	4449018	4449148	4452868	-
Ppp1r12c	MmuEX0036696	chr7	4441494	4448819	4448937	4452868	-
Ppp1r13b	MmuEX0036697	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Ppp1r13b	MmuEX0036698	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Ppp1r13b	MmuEX0036699	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Ppp1r13b	MmuEX0036700	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Ppp1r13l	MmuEX0036701	chr7	19946665	19953891	19953971	19954066	+

Ppp1r13l	MmuEX0036703	chr7	19945147	19946376	19946665	19953891	+
Ppp1r14b	MmuEX0036704	chr19	7050107	7051034	7051117	7051348	+
Ppp1r14c	MmuEX0036706	chr10	6923047	6940803	6940856	6979572	-
Ppp1r16a	MmuEX0036709	chr15	76502192	76519758	76519924	76520602	+
Ppp1r16a	MmuEX0036710	chr15	76523374	76523444	76523568	76524025	+
Ppp1r16a	MmuEX0036711	chr15	76523568	76523657	76523782	76524025	+
Ppp1r16a	MmuEX0036712	chr15	76523782	76523869	76523944	76524025	+
Ppp1r3b	MmuEX0036717	chr8	36438995	36439621	36439807	36447038	+
Ppp1r3f	MmuEX0036718	chrX	7138009	7140988	7141067	7141362	-
Ppp1r7	MmuEX0036719	chr1	95247591	95248083	95248213	95249094	+
Ppp1r7	MmuEX0036720	chr1	95249256	95250906	95251022	95254334	+
Ppp1r8	MmuEX0036721	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Ppp1r8	MmuEX0036722	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Ppp1r8	MmuEX0036723	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Ppp2cb	MmuEX0036738	chr8	34721336	34722220	34722393	34725922	+
Ppp2r1b	MmuEX0036739	chr9	50665203	50665941	50666031	50666956	+
Ppp2r1b	MmuEX0036740	chr9	50666031	50666956	50667056	50669636	+
Ppp2r1b	MmuEX0036741	chr9	50678341	50681302	50681413	50681752	+
Ppp2r1b	MmuEX0036742	chr9	50678341	50681752	50681812	50686143	+
Ppp2r2a	MmuEX0036743	chr14	67635490	67638553	67638644	67641111	-
Ppp2r2a	MmuEX0036744	chr14	67647867	67657712	67657806	67689072	-
Ppp2r2d	MmuEX0036752	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036753	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036754	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036755	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036756	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036757	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036758	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r2d	MmuEX0036759	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ppp2r3a	MmuEX0036760	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ppp2r3a	MmuEX0036761	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ppp2r3c	MmuEX0036762	chr12	56389501	56389578	56389633	56390647	-
Ppp2r3c	MmuEX0036763	chr12	56383960	56385764	56385901	56388908	-
Ppp2r3c	MmuEX0036764	chr12	56382792	56383901	56383960	56385764	-
Ppp2r3c	MmuEX0036765	chr12	56400008	56402951	56403083	56403581	-
Ppp2r3c	MmuEX0036766	chr12	56393561	56394769	56394866	56398765	-
Ppp2r4	MmuEX0036767	chr2	30282016	30282703	30282866	30283836	+
Ppp2r4	MmuEX0036768	chr2	30295284	30297430	30297498	30298810	+
Ppp2r4	MmuEX0036769	chr2	30293879	30295184	30295284	30298810	+
Ppp2r4	MmuEX0036770	chr2	30298969	30301101	30301222	30301897	+
Ppp2r5a	MmuEX0036771	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Ppp2r5b	MmuEX0036772	chr19	6230275	6230386	6230436	6230502	-
Ppp2r5b	MmuEX0036773	chr19	6229043	6229222	6229349	6230156	-
Ppp2r5b	MmuEX0036774	chr19	6232400	6232528	6232620	6232767	-
Ppp2r5b	MmuEX0036775	chr19	6230555	6230907	6231015	6231116	-
Ppp2r5b	MmuEX0036776	chr19	6230436	6230502	6230555	6230907	-
Ppp2r5c	MmuEX0036777	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+

Ppp2r5c	MmuEX0036778	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ppp2r5c	MmuEX0036779	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ppp2r5c	MmuEX0036780	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ppp2r5c	MmuEX0036781	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Ppp2r5e	MmuEX0036782	chr12	76554800	76560675	76560776	76563289	-
Ppp2r5e	MmuEX0036784	chr12	76594502	76616589	76616785	76694156	-
Ppp2r5e	MmuEX0036785	chr12	76586211	76594401	76594502	76616589	-
Ppp2r5e	MmuEX0036786	chr12	76570849	76586119	76586211	76594401	-
Ppp3ca	MmuEX0036787	chr3	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Ppp3ca	MmuEX0036788	chr3	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ppp3cb	MmuEX0036789	chr14	21322498	21325703	21325801	21327846	-
Ppp3cb	MmuEX0036790	chr14	21320884	21322469	21322498	21327846	-
Ppp3cb	MmuEX0036791	chr14	21347491	21349199	21349251	21350166	-
Ppp3cb	MmuEX0036792	chr14	21343078	21343182	21343321	21343579	-
Ppp3cb	MmuEX0036793	chr14	21334822	21339776	21339901	21342802	-
Ppp3cb	MmuEX0036794	chr14	21328722	21330696	21330722	21334745	-
Ppp3cb	MmuEX0036795	chr14	21339901	21342802	21342896	21343001	-
Ppp3cb	MmuEX0036796	chr14	21347491	21350166	21350290	21350882	-
Ppp3cc	MmuEX0036797	chr14	70619853	70623587	70623738	70624117	-
Ppp3cc	MmuEX0036798	chr14	70624855	70625735	70625761	70634947	-
Ppp3cc	MmuEX0036799	chr14	70619853	70624774	70624855	70634947	-
Ppp3cc	MmuEX0036800	chr14	70619853	70624117	70624214	70634947	-
Ppp3cc	MmuEX0036801	chr14	70618084	70619824	70619853	70624117	-
Ppp3cc	MmuEX0036802	chr14	70656278	70666437	70666561	70667116	-
Ppp3cc	MmuEX0036803	chr14	70647526	70656167	70656278	70666437	-
Ppp3cc	MmuEX0036804	chr14	70645799	70647381	70647526	70656167	-
Ppp3cc	MmuEX0036805	chr14	70636410	70645660	70645799	70647381	-
Ppp3cc	MmuEX0036806	chr14	70636410	70640711	70640788	70645660	-
Ppp3cc	MmuEX0036807	chr14	70636410	70640536	70640630	70640711	-
Ppp4c	MmuEX0036808	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ppp4c	MmuEX0036809	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Ppp4r1	MmuEX0036810	chr17	66132789	66132964	66133008	66152500	+
Ppp4r1	MmuEX0036811	chr17	66163804	66163894	66163984	66165263	+
Ppp4r1	MmuEX0036812	chr17	66133008	66152500	66152635	66153200	+
Ppp4r1	MmuEX0036813	chr17	66165390	66166248	66166253	66173600	+
Ppp4r1	MmuEX0036814	chr17	66178887	66179211	66179330	66180337	+
Ppp4r1l-ps	MmuEX0036815	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036817	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036818	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036819	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036820	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036821	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036822	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036823	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036824	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036826	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036827	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-

Ppp4r1l-ps	MmuEX0036828	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp4r1l-ps	MmuEX0036829	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ppp5c	MmuEX0036841	chr7	17600894	17607764	17608005	17613042	-
Ppp5c	MmuEX0036842	chr7	17594061	17594342	17594407	17595224	-
Ppp6c	MmuEX0036843	chr2	39060494	39062172	39062237	39066478	-
Ppp6c	MmuEX0036844	chr2	39060494	39061924	39062034	39062172	-
Ppp6c	MmuEX0036845	chr2	39055641	39060353	39060494	39062172	-
Ppp6r1	MmuEX0036846	chr7	4592782	4592867	4593019	4593107	-
Ppp6r1	MmuEX0036847	chr7	4591790	4591911	4591975	4592648	-
Ppp6r1	MmuEX0036848	chr7	4587739	4587818	4587875	4591116	-
Ppp6r1	MmuEX0036849	chr7	4594888	4594971	4595157	4598310	-
Ppp6r2	MmuEX0036850	chr15	89099060	89099661	89099750	89100241	+
Ppp6r2	MmuEX0036851	chr15	89105948	89107686	89107801	89109130	+
Ppp6r2	MmuEX0036852	chr15	89111349	89112279	89112435	89112522	+
Ppp6r2	MmuEX0036853	chr15	89113509	89113759	89113825	89116210	+
Ppp6r2	MmuEX0036854	chr15	89089634	89089922	89090038	89092784	+
Ppp6r2	MmuEX0036855	chr15	89092849	89095560	89095672	89096036	+
Ppp6r2	MmuEX0036856	chr15	89109215	89109704	89109784	89110151	+
Ppp6r2	MmuEX0036857	chr15	89110248	89110438	89110495	89110790	+
Ppp6r2	MmuEX0036858	chr15	89112610	89113314	89113509	89116210	+
Ppp6r2	MmuEX0036859	chr15	89072719	89073736	89073890	89076689	+
Ppp6r2	MmuEX0036860	chr15	89073890	89076689	89076771	89083450	+
Ppp6r2	MmuEX0036861	chr15	89076771	89083450	89083681	89087094	+
Ppp6r2	MmuEX0036862	chr15	89087280	89089497	89089634	89092784	+
Ppp6r2	MmuEX0036863	chr15	89089634	89092784	89092849	89098934	+
Ppp6r2	MmuEX0036864	chr15	89095672	89096036	89096149	89098934	+
Ppp6r3	MmuEX0036865	chr19	3507355	3511179	3511764	3511861	-
Ppp6r3	MmuEX0036866	chr19	3478364	3478631	3478699	3484831	-
Ppp6r3	MmuEX0036867	chr19	3471101	3471979	3472033	3473769	-
Ppp6r3	MmuEX0036868	chr19	3467294	3469641	3469762	3470971	-
Ppp6r3	MmuEX0036869	chr19	3467294	3467683	3467772	3469641	-
Ppp6r3	MmuEX0036870	chr19	3459480	3459802	3459897	3464545	-
Ppp6r3	MmuEX0036871	chr19	3473866	3478278	3478364	3484831	-
Ppp6r3	MmuEX0036872	chr19	3514719	3518245	3518382	3521734	-
Ppp6r3	MmuEX0036873	chr19	3459480	3459747	3459764	3464545	-
Ppp6r3	MmuEX0036874	chr19	3526934	3544108	3544255	3575641	-
Ppp6r3	MmuEX0036875	chr19	3521920	3526702	3526929	3544108	-
Ppp6r3	MmuEX0036876	chr19	3507355	3511929	3512041	3514654	-
Pppde1	MmuEX0036877	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Pppde1	MmuEX0036878	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Pppde1	MmuEX0036879	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Pppde1	MmuEX0036880	chr1	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Pppde2	MmuEX0036881	chr15	81833040	81834188	81834209	81846308	-
Pppde2	MmuEX0036882	chr15	81834209	81834876	81834932	81846308	-
Pppde2	MmuEX0036883	chr15	81830044	81832971	81833040	81834188	-
Pprc1	MmuEX0036884	chr19	46131233	46135893	46136066	46136634	+
Pprc1	MmuEX0036885	chr19	46136066	46136634	46136780	46137102	+

Pprc1	MmuEX0036886	chr19	46136780	46136892	46136984	46137102	+
Pprc1	MmuEX0036887	chr19	46140207	46141719	46141776	46142508	+
Pprc1	MmuEX0036888	chr19	46141776	46142511	46142578	46143529	+
Pprc1	MmuEX0036889	chr19	46142578	46143529	46144258	46145767	+
Ppt1	MmuEX0036890	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ppt1	MmuEX0036891	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ppt1	MmuEX0036892	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ppt2	MmuEX0036893	chr17	34763557	34763750	34763940	34764270	-
Ppt2	MmuEX0036894	chr17	34760059	34762582	34762689	34762781	-
Pptc7	MmuEX0036895	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pptc7	MmuEX0036896	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Pptc7	MmuEX0036897	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Ppwd1	MmuEX0036898	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ppwd1	MmuEX0036899	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ppwd1	MmuEX0036900	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ppwd1	MmuEX0036901	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ppwd1	MmuEX0036902	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Ppwd1	MmuEX0036903	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Pqbp1	MmuEX0036904	chrX	7471993	7472291	7472354	7472730	-
Pqlc1	MmuEX0036905	chr18	80480231	80480487	80480624	80488315	+
Pqlc1	MmuEX0036906	chr18	80453857	80460159	80460292	80480015	+
Pqlc1	MmuEX0036907	chr18	80460292	80469201	80469254	80480015	+
Pqlc1	MmuEX0036908	chr18	80460292	80480015	80480231	80488315	+
Pqlc2	MmuEX0036909	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Pqlc2	MmuEX0036910	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Pqlc2	MmuEX0036911	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Pramef8	MmuEX0036921	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Prcc	MmuEX0036928	chr3	87676179	87688358	87688468	87688797	-
Prcc	MmuEX0036929	chr3	87666196	87671237	87671332	87673505	-
Prcp	MmuEX0036930	chr7	1E+08	1E+08	1E+08	1E+08	+
Prcp	MmuEX0036931	chr7	1E+08	1E+08	1E+08	1E+08	+
Prcp	MmuEX0036932	chr7	1E+08	1E+08	1E+08	1E+08	+
Prcp	MmuEX0036933	chr7	1E+08	1E+08	1E+08	1E+08	+
Prdm10	MmuEX0036936	chr9	31149069	31154378	31154725	31156697	+
Prdm10	MmuEX0036938	chr9	31167504	31168406	31168546	31169916	+
Prdm11	MmuEX0036943	chr2	92820855	92829389	92829810	92833521	-
Prdm15	MmuEX0036948	chr16	98028779	98029329	98029463	98030262	-
Prdm15	MmuEX0036950	chr16	98020836	98021161	98021244	98025317	-
Prdm15	MmuEX0036952	chr16	98019384	98020661	98020836	98021161	-
Prdm15	MmuEX0036954	chr16	98038652	98039819	98039948	98043375	-
Prdm15	MmuEX0036956	chr16	98025448	98027652	98027771	98028082	-
Prdm15	MmuEX0036957	chr16	98021244	98025317	98025448	98027652	-
Prdm16	MmuEX0036959	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Prdm16	MmuEX0036960	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Prdm2	MmuEX0036961	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm2	MmuEX0036962	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm2	MmuEX0036963	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-

Prdm2	MmuEX0036964	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm2	MmuEX0036965	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm2	MmuEX0036966	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm2	MmuEX0036967	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm2	MmuEX0036968	chr4	1.43E+08	1.43E+08	1.43E+08	1.43E+08	-
Prdm4	MmuEX0036969	chr10	85364576	85365672	85365757	85366757	-
Prdm4	MmuEX0036970	chr10	85375716	85378571	85378716	85379269	-
Prdm4	MmuEX0036971	chr10	85363901	85364449	85364576	85365672	-
Prdm4	MmuEX0036972	chr10	85365757	85366876	85366994	85368094	-
Prdm5	MmuEX0036974	chr6	65744377	65776604	65776744	65781243	+
Prdm5	MmuEX0036975	chr6	65744377	65781243	65781365	65805943	+
Prdm5	MmuEX0036977	chr6	65836172	65837922	65837982	65851768	+
Prdm5	MmuEX0036978	chr6	65836172	65841980	65842895	65851768	+
Prdm5	MmuEX0036979	chr6	65851853	65877911	65878015	65885964	+
Prdm5	MmuEX0036981	chr6	65729187	65744294	65744377	65781243	+
Prdm5	MmuEX0036982	chr6	65781365	65805943	65806117	65819175	+
Prdm5	MmuEX0036983	chr6	65836172	65851768	65851853	65877911	+
Prdm5	MmuEX0036984	chr6	65781365	65807637	65807811	65819175	+
Prdm5	MmuEX0036985	chr6	65781365	65809351	65809472	65819175	+
Prdm5	MmuEX0036986	chr6	65781365	65812909	65812988	65819175	+
Prdm5	MmuEX0036987	chr6	65781365	65819175	65819259	65831043	+
Prdm5	MmuEX0036988	chr6	65781365	65820306	65820463	65831043	+
Prdm5	MmuEX0036989	chr6	65781365	65831043	65831136	65836079	+
Prdm5	MmuEX0036990	chr6	65781365	65833517	65833677	65836079	+
Prdm5	MmuEX0036991	chr6	65781365	65836079	65836172	65877911	+
Prdm9	MmuEX0037000	chr17	15691719	15692051	15692322	15692530	-
Prdm9	MmuEX0037001	chr17	15699486	15699778	15699901	15700185	-
Prdm9	MmuEX0037003	chr17	15682324	15690316	15690509	15691652	-
Prdm9	MmuEX0037005	chr17	15696036	15699379	15699486	15699778	-
Prdx3	MmuEX0037008	chr19	60946042	60947323	60947464	60949031	-
Prdx5	MmuEX0037009	chr19	6981770	6982032	6982163	6982472	-
Prdx5	MmuEX0037010	chr19	6982163	6982472	6982606	6983949	-
Prdx6	MmuEX0037011	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Prdx6	MmuEX0037012	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Preb	MmuEX0037013	chr5	31260434	31260606	31260730	31260844	-
Preb	MmuEX0037014	chr5	31258462	31258635	31258707	31260261	-
Preb	MmuEX0037015	chr5	31258110	31258303	31258462	31258635	-
Prelid2	MmuEX0037016	chr18	42092415	42094822	42094895	42097288	-
Prelid2	MmuEX0037017	chr18	42072129	42092255	42092415	42094822	-
Prep	MmuEX0037018	chr10	44840646	44845770	44845873	44867791	+
Prep	MmuEX0037019	chr10	44827683	44834869	44835060	44840449	+
Prepl	MmuEX0037020	chr17	85487927	85489477	85489540	85489585	-
Prepl	MmuEX0037021	chr17	85465637	85468225	85468441	85469768	-
Prepl	MmuEX0037022	chr17	85482655	85487680	85487779	85489446	-
Prex1	MmuEX0037025	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Prex1	MmuEX0037026	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Prex1	MmuEX0037028	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-

Prex1	MmuEX0037030	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Prex1	MmuEX0037032	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Prex2	MmuEX0037035	chr1	11150361	11152321	11152482	11159934	+
Prex2	MmuEX0037036	chr1	11172115	11174527	11174621	11175211	+
Prex2	MmuEX0037037	chr1	11176058	11176718	11176846	11183594	+
Prex2	MmuEX0037038	chr1	11176846	11183594	11183635	11189916	+
Prex2	MmuEX0037039	chr1	11194249	11198593	11198736	11221763	+
Prex2	MmuEX0037040	chr1	11058196	11070104	11070205	11079798	+
Prex2	MmuEX0037041	chr1	11256240	11275138	11275240	11279334	+
Prex2	MmuEX0037042	chr1	11275240	11276103	11276408	11279334	+
Prex2	MmuEX0037044	chr1	11198736	11221763	11221877	11255760	+
Prex2	MmuEX0037045	chr1	11221877	11255760	11255826	11275138	+
Prex2	MmuEX0037046	chr1	11255826	11256050	11256240	11275138	+
Prg4	MmuEX0037049	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Prg4	MmuEX0037050	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Prickle3	MmuEX0037055	chrX	7242259	7242353	7242539	7243398	+
Prim1	MmuEX0037057	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Prim1	MmuEX0037058	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Prim1	MmuEX0037060	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Prim2	MmuEX0037061	chr1	33590208	33685240	33685377	33687183	-
Prim2	MmuEX0037064	chr1	33537385	33541527	33541653	33568861	-
Prim2	MmuEX0037066	chr1	33520966	33537303	33537385	33541527	-
Prim2	MmuEX0037067	chr1	33511149	33520898	33520966	33537303	-
Prkaa1	MmuEX0037070	chr15	5093995	5110603	5110744	5114712	+
Prkaa1	MmuEX0037071	chr15	5110744	5114712	5114805	5118568	+
Prkaa1	MmuEX0037072	chr15	5126972	5127079	5127205	5128688	+
Prkaa2	MmuEX0037073	chr4	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Prkaa2	MmuEX0037074	chr4	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Prkab1	MmuEX0037075	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Prkab1	MmuEX0037076	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Prkab2	MmuEX0037077	chr3	97467911	97470159	97470333	97470505	+
Prkab2	MmuEX0037078	chr3	97471350	97472180	97472213	97473651	+
Prkab2	MmuEX0037079	chr3	97462689	97466196	97466362	97467505	+
Prkab2	MmuEX0037080	chr3	97467911	97470505	97470638	97471282	+
Prkacb	MmuEX0037081	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Prkag1	MmuEX0037082	chr15	98656164	98661318	98661444	98661861	-
Prkag1	MmuEX0037083	chr15	98644474	98644619	98644784	98644940	-
Prkag1	MmuEX0037084	chr15	98643911	98644028	98644174	98644437	-
Prkag1	MmuEX0037085	chr15	98645986	98646090	98646171	98646307	-
Prkag1	MmuEX0037086	chr15	98646171	98646307	98646416	98656119	-
Prkag1	MmuEX0037087	chr15	98645986	98646172	98646306	98656119	-
Prkag2	MmuEX0037088	chr5	24527889	24534283	24534354	24605829	-
Prkag2	MmuEX0037089	chr5	24453456	24527610	24527889	24534283	-
Prkag2	MmuEX0037090	chr5	24414210	24453242	24453456	24527610	-
Prkag2	MmuEX0037091	chr5	24369705	24371897	24371990	24374949	-
Prkag2	MmuEX0037092	chr5	24395003	24414141	24414210	24453242	-
Prkag2	MmuEX0037093	chr5	24371990	24384523	24384581	24386502	-

Prkag2	MmuEX0037094	chr5	24377477	24382807	24382852	24384523	-
Prkag2	MmuEX0037095	chr5	24377477	24380979	24381033	24382807	-
Prkag2	MmuEX0037096	chr5	24377477	24379702	24379828	24380979	-
Prkag2	MmuEX0037097	chr5	24371990	24377312	24377477	24386502	-
Prkag2	MmuEX0037098	chr5	24371990	24376873	24376910	24377312	-
Prkag2	MmuEX0037099	chr5	24371990	24374949	24375095	24376873	-
Prkag3	MmuEX0037100	chr1	74794598	74795046	74795085	74795392	-
Prkar1a	MmuEX0037101	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Prkar1a	MmuEX0037102	chr11	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Prkar2a	MmuEX0037104	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Prkar2a	MmuEX0037105	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Prkar2a	MmuEX0037106	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Prkca	MmuEX0037111	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Prkca	MmuEX0037112	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Prkca	MmuEX0037113	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Prkca	MmuEX0037114	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Prkca	MmuEX0037115	chr11	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Prkcc	MmuEX0037122	chr7	3304463	3305599	3305681	3310820	+
Prkcc	MmuEX0037123	chr7	3320019	3322640	3322731	3322817	+
Prkcc	MmuEX0037124	chr7	3322731	3322817	3322879	3323756	+
Prkcc	MmuEX0037125	chr7	3314088	3314389	3314476	3314768	+
Prkcc	MmuEX0037126	chr7	3323894	3327725	3327805	3329344	+
Prkcd	MmuEX0037127	chr14	31423496	31438115	31438263	31439166	-
Prkcd	MmuEX0037128	chr14	31415037	31415219	31415392	31415500	-
Prkcd	MmuEX0037129	chr14	31409211	31411904	31412032	31412504	-
Prkcd	MmuEX0037130	chr14	31420636	31420794	31420854	31422288	-
Prkce	MmuEX0037131	chr17	86874889	86876146	86876231	86881460	+
Prkce	MmuEX0037132	chr17	86895451	86958491	86958645	87019232	+
Prkce	MmuEX0037133	chr17	87029547	87034405	87034434	87053881	+
Prkci	MmuEX0037134	chr3	30895007	30917472	30917593	30924052	+
Prkci	MmuEX0037135	chr3	30945484	30945894	30946009	30949112	+
Prkci	MmuEX0037136	chr3	30925225	30928408	30928493	30930006	+
Prkci	MmuEX0037137	chr3	30917593	30924055	30924141	30925175	+
PrkcsH	MmuEX0037143	chr9	21817379	21817460	21817610	21818356	+
Prkd1	MmuEX0037151	chr12	51526586	51529090	51529221	51590890	-
Prkd1	MmuEX0037153	chr12	51492436	51493822	51494026	51495586	-
Prkd1	MmuEX0037155	chr12	51488255	51490897	51490974	51492313	-
Prkd1	MmuEX0037156	chr12	51488255	51489240	51489519	51490897	-
Prkd1	MmuEX0037157	chr12	51466699	51467289	51467450	51484387	-
Prkd2	MmuEX0037158	chr7	17443889	17447080	17447178	17449290	+
Prkd2	MmuEX0037159	chr7	17433081	17434074	17434228	17434330	+
Prkd2	MmuEX0037160	chr7	17429212	17431168	17431306	17432950	+
Prkd2	MmuEX0037161	chr7	17443889	17449290	17449388	17454837	+
Prkd2	MmuEX0037162	chr7	17449388	17451036	17451303	17454837	+
Prkd3	MmuEX0037163	chr17	79384693	79411964	79412881	79420025	-
Prkd3	MmuEX0037164	chr17	79367457	79370700	79370823	79371743	-
Prkd3	MmuEX0037165	chr17	79365791	79367380	79367457	79370700	-

Prkd3	MmuEX0037166	chr17	79360523	79361867	79361916	79365515	-
Prkdc	MmuEX0037169	chr16	15678455	15684230	15684336	15687452	+
Prkdc	MmuEX0037185	chr16	15836054	15836125	15836326	15838056	+
Prkdc	MmuEX0037186	chr16	15836326	15838056	15838244	15839178	+
Prkdc	MmuEX0037188	chr16	15783355	15786003	15786141	15787238	+
Prkdc	MmuEX0037189	chr16	15792074	15795121	15795232	15799960	+
Prkdc	MmuEX0037190	chr16	15809884	15810798	15810943	15815985	+
Prkdc	MmuEX0037191	chr16	15816987	15829709	15829913	15831364	+
Prkg1	MmuEX0037192	chr19	31376889	31660057	31660223	31839047	-
Prkg1	MmuEX0037193	chr19	30669571	30699172	30699268	30771373	-
Prkg1	MmuEX0037194	chr19	30660897	30667338	30667427	30669432	-
Prkg1	MmuEX0037195	chr19	30646168	30653100	30653162	30653248	-
Prkg1	MmuEX0037196	chr19	30643826	30646102	30646168	30653100	-
Prkg1	MmuEX0037197	chr19	31067652	31376776	31376889	31660057	-
Prkg1	MmuEX0037198	chr19	30855879	30861384	30861461	30969122	-
Prkra	MmuEX0037200	chr2	76474946	76477257	76477374	76478298	-
Prkra	MmuEX0037201	chr2	76481361	76485182	76485351	76485849	-
Prkrip1	MmuEX0037202	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Prkrip1	MmuEX0037203	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Prkrip1	MmuEX0037204	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Prkrir	MmuEX0037205	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Prkrir	MmuEX0037206	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Prkx	MmuEX0037207	chrX	75027640	75027917	75028067	75031467	-
Prkx	MmuEX0037208	chrX	75027640	75029772	75029781	75031467	-
Prkx	MmuEX0037209	chrX	75009593	75009912	75009989	75010688	-
Prkx	MmuEX0037210	chrX	75018574	75027377	75027640	75031467	-
Prkx	MmuEX0037211	chrX	75010745	75018455	75018574	75027377	-
Prkx	MmuEX0037212	chrX	75010745	75016586	75016681	75018455	-
Prmt1	MmuEX0037224	chr7	52238957	52239450	52239503	52241653	-
Prmt1	MmuEX0037225	chr7	52234340	52234753	52234895	52236957	-
Prmt1	MmuEX0037226	chr7	52238957	52239141	52239245	52239446	-
Prmt10	MmuEX0037227	chr8	80092257	80094896	80095249	80095908	+
Prmt10	MmuEX0037228	chr8	80084873	80086348	80086415	80087875	+
Prmt10	MmuEX0037229	chr8	80096625	80101237	80101390	80104525	+
Prmt10	MmuEX0037230	chr8	80073635	80079564	80079712	80082778	+
Prmt10	MmuEX0037231	chr8	80079712	80082778	80083014	80084706	+
Prmt2	MmuEX0037232	chr10	75689060	75691370	75691496	75699457	-
Prmt2	MmuEX0037233	chr10	75688215	75688935	75689060	75699457	-
Prmt3	MmuEX0037234	chr7	57034083	57035679	57035761	57036491	+
Prmt3	MmuEX0037235	chr7	57082265	57084314	57084400	57103865	+
Prmt3	MmuEX0037236	chr7	57082265	57083242	57083244	57084314	+
Prmt3	MmuEX0037237	chr7	57034083	57036491	57036540	57041437	+
Prmt3	MmuEX0037238	chr7	57034083	57037312	57037414	57041437	+
Prmt3	MmuEX0037239	chr7	57084400	57103865	57103915	57104107	+
Prmt3	MmuEX0037240	chr7	57084400	57104107	57104194	57112737	+
Prmt3	MmuEX0037241	chr7	57041596	57042603	57042744	57047343	+
Prmt3	MmuEX0037242	chr7	57042744	57047343	57047408	57053676	+

Prmt3	MmuEX0037243	chr7	57047408	57053676	57053797	57061897	+
Prmt3	MmuEX0037244	chr7	57053797	57061897	57061996	57073402	+
Prmt3	MmuEX0037245	chr7	57061996	57073402	57073480	57082078	+
Prmt5	MmuEX0037246	chr14	55130991	55132128	55132291	55133434	-
Prmt5	MmuEX0037247	chr14	55135091	55135334	55135452	55136005	-
Prmt7	MmuEX0037248	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Prmt7	MmuEX0037249	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Prnp	MmuEX0037251	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Prnp	MmuEX0037252	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Proca1	MmuEX0037263	chr11	78008456	78015314	78015394	78017567	+
Proca1	MmuEX0037265	chr11	78015394	78017567	78017699	78018342	+
Prodh	MmuEX0037266	chr16	18072456	18072543	18072631	18073648	-
Prodh	MmuEX0037267	chr16	18060850	18084640	18084848	18088981	-
Prodh	MmuEX0037268	chr16	18060850	18076335	18076510	18077537	-
Prodh	MmuEX0037269	chr16	18060850	18073648	18073746	18076335	-
Prodh	MmuEX0037270	chr16	18060850	18081624	18081658	18084640	-
Prodh	MmuEX0037271	chr16	18060850	18081019	18081168	18081624	-
Prodh	MmuEX0037272	chr16	18060850	18080556	18080620	18081019	-
Prodh	MmuEX0037273	chr16	18060850	18080259	18080375	18080556	-
Prodh	MmuEX0037274	chr16	18060850	18080005	18080084	18080259	-
Prodh	MmuEX0037275	chr16	18060850	18079280	18079361	18080005	-
Prodh	MmuEX0037276	chr16	18077683	18077884	18077976	18079280	-
Prodh	MmuEX0037277	chr16	18060850	18077537	18077622	18077884	-
Prorsd1	MmuEX0037303	chr11	29413676	29414432	29414522	29414917	-
Pros1	MmuEX0037304	chr16	62885384	62888807	62888831	62898702	+
Prosapip1	MmuEX0037305	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Prosc	MmuEX0037306	chr8	28155607	28155870	28155905	28156272	+
Prosc	MmuEX0037307	chr8	28156471	28159646	28159780	28162708	+
Prosc	MmuEX0037308	chr8	28159780	28161731	28161873	28162708	+
Prpf18	MmuEX0037312	chr2	4554634	4556677	4556748	4556874	-
Prpf18	MmuEX0037313	chr2	4564810	4566615	4566719	4569287	-
Prpf18	MmuEX0037314	chr2	4566719	4569143	4569169	4569287	-
Prpf3	MmuEX0037315	chr3	95637759	95638007	95638125	95639277	-
Prpf3	MmuEX0037316	chr3	95636545	95637676	95637759	95638007	-
Prpf3	MmuEX0037317	chr3	95652984	95653618	95653713	95655486	-
Prpf31	MmuEX0037318	chr7	3585832	3586295	3586464	3587803	+
Prpf38b	MmuEX0037319	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Prpf38b	MmuEX0037320	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Prpf38b	MmuEX0037321	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Prpf38b	MmuEX0037322	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Prpf39	MmuEX0037323	chr12	66137455	66143448	66143794	66144219	+
Prpf39	MmuEX0037324	chr12	66157506	66158716	66158900	66160858	+
Prpf39	MmuEX0037325	chr12	66145111	66145961	66146025	66149100	+
Prpf39	MmuEX0037326	chr12	66149267	66152450	66152745	66154273	+
Prpf39	MmuEX0037327	chr12	66156307	66156421	66156520	66156602	+
Prpf39	MmuEX0037328	chr12	66144344	66144530	66144598	66144993	+
Prpf39	MmuEX0037329	chr12	66144344	66144702	66144864	66144993	+

Prpf4	MmuEX0037330	chr4	62070786	62072730	62072916	62075577	+
Prpf4	MmuEX0037331	chr4	62080399	62083212	62083334	62083449	+
Prpf4	MmuEX0037332	chr4	62072916	62073803	62073878	62075577	+
Prpf40a	MmuEX0037333	chr2	53016951	53018297	53018350	53018592	-
Prpf40a	MmuEX0037334	chr2	53013106	53014974	53015237	53015657	-
Prpf40a	MmuEX0037335	chr2	53036467	53047482	53047561	53049003	-
Prpf40a	MmuEX0037336	chr2	53012562	53012998	53013106	53015657	-
Prpf40a	MmuEX0037337	chr2	53036467	53049003	53049134	53050057	-
Prpf40a	MmuEX0037338	chr2	53019920	53036387	53036467	53049003	-
Prpf40b	MmuEX0037340	chr15	99125704	99133714	99133794	99134472	+
Prpf40b	MmuEX0037341	chr15	99125859	99134472	99134615	99134856	+
Prpf40b	MmuEX0037342	chr15	99136502	99136593	99136617	99136827	+
Prpf40b	MmuEX0037343	chr15	99140466	99144841	99144884	99145009	+
Prpf40b	MmuEX0037344	chr15	99145411	99145622	99145717	99145914	+
Prpf40b	MmuEX0037345	chr15	99134921	99135597	99135624	99135839	+
Prpf40b	MmuEX0037346	chr15	99140466	99145030	99145125	99145274	+
Prpf40b	MmuEX0037347	chr15	99125859	99132218	99132415	99133714	+
Prpf4b	MmuEX0037348	chr13	34967563	34972273	34972362	34975100	+
Prpf4b	MmuEX0037349	chr13	34987989	34990242	34990436	34990978	+
Prpf4b	MmuEX0037350	chr13	34991092	34991221	34991324	34991700	+
Prpf4b	MmuEX0037351	chr13	34987989	34990978	34991092	34991700	+
Prpf4b	MmuEX0037352	chr13	34994000	34994499	34994544	34995056	+
Prpf4b	MmuEX0037353	chr13	34995142	34995399	34995471	34995913	+
Prpf4b	MmuEX0037354	chr13	34984032	34985186	34985291	34985630	+
Prpf6	MmuEX0037355	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Prpf6	MmuEX0037356	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Prpf6	MmuEX0037357	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Prpf8	MmuEX0037358	chr11	75300693	75301127	75301295	75303244	+
Prpf8	MmuEX0037359	chr11	75313548	75313651	75313830	75314014	+
Prpf8	MmuEX0037360	chr11	75320307	75321776	75321916	75322023	+
Prpf8	MmuEX0037361	chr11	75305135	75305261	75305380	75305464	+
Prpf8	MmuEX0037362	chr11	75301295	75303244	75303408	75303500	+
Prps2	MmuEX0037364	chrX	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Prpsap1	MmuEX0037365	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Prpsap1	MmuEX0037366	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Prr12	MmuEX0037373	chr7	52290112	52290249	52290365	52298722	-
Prr13	MmuEX0037374	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Prr14	MmuEX0037375	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Prr14	MmuEX0037376	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Prr14	MmuEX0037377	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Prr14	MmuEX0037378	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Prr3	MmuEX0037381	chr17	36111758	36115326	36115388	36115656	-
Prr3	MmuEX0037382	chr17	36115388	36116072	36116200	36116294	-
Prr3	MmuEX0037383	chr17	36115388	36115656	36115726	36116072	-
Prr3	MmuEX0037384	chr17	36110748	36111468	36111758	36115326	-
Prr5	MmuEX0037385	chr15	84530161	84531794	84531929	84533148	+
Prrc1	MmuEX0037392	chr18	57514545	57521913	57521979	57522087	+

Prrc1	MmuEX0037393	chr18	57525003	57531021	57531123	57534181	+
Prrc1	MmuEX0037394	chr18	57514604	57515250	57515294	57522087	+
Prrc2a	MmuEX0037395	chr17	35287066	35287173	35287271	35287443	-
Prrc2a	MmuEX0037396	chr17	35286739	35286854	35287066	35287173	-
Prrc2a	MmuEX0037397	chr17	35291182	35291411	35291541	35291737	-
Prrc2b	MmuEX0037398	chr2	32072855	32074197	32074279	32074737	+
Prrc2b	MmuEX0037399	chr2	32038820	32040865	32040967	32043001	+
Prrc2b	MmuEX0037400	chr2	32043073	32047029	32047172	32049283	+
Prrc2b	MmuEX0037401	chr2	32062100	32063816	32063818	32064160	+
Prrc2b	MmuEX0037402	chr2	32079689	32081751	32081906	32082465	+
Prrc2b	MmuEX0037403	chr2	32082556	32084783	32084864	32086131	+
Prrc2b	MmuEX0037404	chr2	32067811	32068407	32070467	32071566	+
Prrc2c	MmuEX0037406	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037407	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037408	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037409	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037410	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037411	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037412	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037413	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037414	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrc2c	MmuEX0037415	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrg2	MmuEX0037420	chr7	52316262	52316958	52317021	52317748	-
Prrg2	MmuEX0037421	chr7	52310017	52316111	52316262	52317748	-
Prrg2	MmuEX0037422	chr7	52315381	52315575	52315729	52316111	-
Prrg2	MmuEX0037423	chr7	52312254	52315342	52315381	52315575	-
Prrg2	MmuEX0037424	chr7	52310017	52312113	52312254	52315342	-
Prrt4	MmuEX0037431	chr6	29126567	29126903	29127007	29127117	-
Prrx1	MmuEX0037432	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prrx1	MmuEX0037433	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Prss36	MmuEX0037442	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Prss36	MmuEX0037445	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Prss36	MmuEX0037446	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Prss36	MmuEX0037447	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Prune	MmuEX0037464	chr3	95059349	95061949	95062107	95063162	-
Prune2	MmuEX0037465	chr19	17213318	17233044	17233146	17242753	+
Prune2	MmuEX0037466	chr19	17282819	17286168	17286203	17286782	+
Prune2	MmuEX0037467	chr19	17286820	17290816	17290863	17295274	+
Prune2	MmuEX0037468	chr19	17267919	17270413	17270421	17273603	+
Prune2	MmuEX0037469	chr19	17242832	17253280	17253480	17267746	+
Prune2	MmuEX0037470	chr19	17253480	17267749	17267919	17273603	+
Prune2	MmuEX0037471	chr19	17267919	17273603	17273705	17274271	+
Prune2	MmuEX0037472	chr19	17282819	17286782	17286820	17290816	+
Prune2	MmuEX0037473	chr19	17095143	17188077	17188232	17267746	+
Prune2	MmuEX0037474	chr19	17188232	17192533	17195971	17267746	+
Prune2	MmuEX0037475	chr19	17081275	17199428	17200193	17267746	+
Prune2	MmuEX0037476	chr19	17200193	17242753	17242832	17267746	+

Psap	MmuEX0037478	chr10	59760293	59761846	59761977	59762212	+
Psap	MmuEX0037479	chr10	59758750	59760285	59760293	59761846	+
Psd3	MmuEX0037491	chr8	70428074	70430158	70430270	70432385	-
Psd3	MmuEX0037492	chr8	70244852	70265660	70265730	70281971	-
Psd3	MmuEX0037493	chr8	70221086	70237067	70237258	70237582	-
Psen1	MmuEX0037503	chr12	85029243	85040462	85040601	85053254	+
Psen1	MmuEX0037504	chr12	85029243	85040305	85040371	85040462	+
Psma3	MmuEX0037509	chr12	72079826	72084311	72084429	72085480	+
Psma3	MmuEX0037510	chr12	72079826	72085484	72085581	72089411	+
Psma3	MmuEX0037512	chr12	72079826	72087850	72087922	72091472	+
Psma3	MmuEX0037513	chr12	72087922	72089411	72089476	72091472	+
Psma3	MmuEX0037514	chr12	72079826	72091472	72091518	72094000	+
Psma4	MmuEX0037516	chr9	54799045	54799151	54799235	54799889	+
Psma8	MmuEX0037518	chr18	14915910	14916131	14916193	14919856	+
Psma8	MmuEX0037521	chr18	14864841	14879676	14879802	14885013	+
Psemb10	MmuEX0037522	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Psemb10	MmuEX0037523	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Psemb10	MmuEX0037524	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Psemb2	MmuEX0037525	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Psemb9	MmuEX0037528	chr17	34319296	34320034	34320175	34320560	-
Psemb9	MmuEX0037529	chr17	34321358	34322675	34322742	34323836	-
Psmc2	MmuEX0037530	chr5	21305826	21306362	21306457	21307026	+
Psmc2	MmuEX0037531	chr5	21296423	21300926	21301662	21302351	+
Psmc2	MmuEX0037532	chr5	21305372	21305754	21305826	21306362	+
Psmc3ip	MmuEX0037533	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Psmc4	MmuEX0037534	chr7	28832301	28832385	28832531	28833812	-
Psmc4	MmuEX0037535	chr7	28827995	28832005	28832098	28832192	-
Psmc6	MmuEX0037536	chr14	45949778	45950041	45950196	45950505	+
Psmdd1	MmuEX0037537	chr1	87974074	87975143	87975369	87978612	+
Psmdd1	MmuEX0037538	chr1	87990915	88003179	88003423	88013150	+
Psmdd1	MmuEX0037539	chr1	88024880	88027212	88027304	88029289	+
Psmdd11	MmuEX0037541	chr11	80245308	80248020	80248082	80251753	+
Psmdd11	MmuEX0037542	chr11	80245308	80251753	80251877	80258744	+
Psmdd11	MmuEX0037543	chr11	80251877	80252023	80252132	80258744	+
Psmdd12	MmuEX0037544	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Psmdd12	MmuEX0037545	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Psmdd14	MmuEX0037546	chr2	61603056	61603409	61603565	61614730	+
Psmdd14	MmuEX0037547	chr2	61549930	61558501	61558628	61598693	+
Psmdd14	MmuEX0037548	chr2	61549930	61560767	61560818	61598693	+
Psmdd14	MmuEX0037549	chr2	61598764	61599032	61599151	61601894	+
Psmdd14	MmuEX0037550	chr2	61599151	61601894	61601964	61614730	+
Psmdd14	MmuEX0037551	chr2	61601964	61602906	61603056	61614730	+
Psmdd3	MmuEX0037552	chr11	98544251	98546796	98546986	98547248	+
Psmdd3	MmuEX0037553	chr11	98555222	98555452	98555607	98556677	+
Psmdd3	MmuEX0037554	chr11	98554811	98554893	98555012	98555119	+
Psmdd3	MmuEX0037555	chr11	98555012	98555119	98555222	98555452	+
Psmdd4	MmuEX0037556	chr3	94840667	94845734	94845794	94846430	-

Psm�4	MmuEX0037557	chr3	94840667	94844099	94844256	94846430	-
Psm�4	MmuEX0037558	chr3	94837948	94838488	94838703	94838864	-
Psm�4	MmuEX0037559	chr3	94839246	94839732	94839846	94840527	-
Psm�5	MmuEX0037560	chr2	34708353	34709772	34709912	34711968	-
Psm�5	MmuEX0037561	chr2	34721615	34722413	34722557	34726270	-
Psm�5	MmuEX0037562	chr2	34719086	34721047	34721175	34721502	-
Psm�6	MmuEX0037563	chr14	14949484	14951507	14951554	14952501	-
Psm�8	MmuEX0037564	chr7	29962250	29964162	29964234	29965296	-
Psm�8	MmuEX0037565	chr7	29962250	29963938	29964040	29965296	-
Psm�9	MmuEX0037566	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Psme3	MmuEX0037568	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Psme3	MmuEX0037569	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Psme3	MmuEX0037570	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Psme3	MmuEX0037571	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Psme4	MmuEX0037572	chr11	30705026	30706255	30706329	30707703	+
Psme4	MmuEX0037573	chr11	30706329	30707703	30707825	30709836	+
Psme4	MmuEX0037574	chr11	30709928	30710783	30711048	30711978	+
Psme4	MmuEX0037575	chr11	30712164	30713663	30713752	30715228	+
Psme4	MmuEX0037576	chr11	30718158	30718468	30718529	30719004	+
Psme4	MmuEX0037577	chr11	30691232	30691922	30692038	30702814	+
Psme4	MmuEX0037578	chr11	30741622	30741991	30742120	30743507	+
Psme4	MmuEX0037579	chr11	30745897	30747398	30747523	30748047	+
Psme4	MmuEX0037580	chr11	30692038	30701298	30701363	30702814	+
Psme4	MmuEX0037581	chr11	30756115	30759103	30759387	30761348	+
Psme4	MmuEX0037582	chr11	30766279	30770582	30770715	30774118	+
Psme4	MmuEX0037583	chr11	30702858	30704290	30704439	30704963	+
Psme4	MmuEX0037584	chr11	30735467	30737282	30737491	30738885	+
Psme4	MmuEX0037585	chr11	30723154	30727009	30727069	30730350	+
Psme4	MmuEX0037586	chr11	30761476	30765434	30765589	30774118	+
Psme4	MmuEX0037587	chr11	30765589	30766036	30766279	30774118	+
Psmf1	MmuEX0037588	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Psmf1	MmuEX0037589	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Psmg1	MmuEX0037590	chr16	96203845	96205400	96205598	96208900	-
Psmg1	MmuEX0037591	chr16	96201718	96203709	96203845	96205400	-
Psmg1	MmuEX0037592	chr16	96201718	96201918	96202110	96203709	-
Psmg1	MmuEX0037593	chr16	96205598	96208900	96208962	96209567	-
Psmg2	MmuEX0037594	chr18	67801389	67803963	67804134	67805647	+
Psmg2	MmuEX0037595	chr18	67804134	67805647	67805705	67807782	+
Psmg2	MmuEX0037596	chr18	67807900	67808427	67808600	67812807	+
Psmg2	MmuEX0037597	chr18	67808600	67812807	67812927	67813540	+
Psmg4	MmuEX0037598	chr13	34255118	34257930	34258005	34269850	+
Pspc1	MmuEX0037599	chr14	57383081	57390542	57390843	57396628	-
Pspc1	MmuEX0037600	chr14	57342117	57344143	57344312	57347357	-
Pspc1	MmuEX0037601	chr14	57380867	57382986	57383081	57390542	-
Pspc1	MmuEX0037602	chr14	57344312	57347357	57347414	57367672	-
Psph	MmuEX0037603	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Psph	MmuEX0037604	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-

Psph	MmuEX0037605	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Psph	MmuEX0037606	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Psph	MmuEX0037607	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Psph	MmuEX0037608	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Psph	MmuEX0037609	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Pstk	MmuEX0037611	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Pstk	MmuEX0037612	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Pstk	MmuEX0037613	chr7	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Pstpip1	MmuEX0037616	chr9	55971600	55972401	55972480	55972931	+
Pstpip1	MmuEX0037618	chr9	55970628	55971069	55971167	55971555	+
Pstpip2	MmuEX0037619	chr18	78085195	78086843	78086877	78093537	+
Pstpip2	MmuEX0037620	chr18	78112198	78113012	78113108	78114577	+
Pstpip2	MmuEX0037622	chr18	78028725	78033345	78033489	78073864	+
Ptar1	MmuEX0037623	chr19	23768980	23771413	23771509	23777568	+
Ptar1	MmuEX0037624	chr19	23783457	23792303	23792592	23794548	+
Ptar1	MmuEX0037625	chr19	23768980	23777568	23777634	23783244	+
Ptar1	MmuEX0037626	chr19	23777634	23780197	23780301	23783244	+
Ptbp1	MmuEX0037627	chr10	79317466	79319249	79319279	79321497	+
Ptbp1	MmuEX0037628	chr10	79322939	79323192	79323247	79323569	+
Ptbp1	MmuEX0037629	chr10	79323714	79324759	79324792	79325194	+
Ptbp2	MmuEX0037631	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037632	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037633	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037634	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037635	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037636	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037637	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037638	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037639	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptbp2	MmuEX0037640	chr3	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ptcd1	MmuEX0037641	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ptcd2	MmuEX0037642	chr13	1E+08	1E+08	1E+08	1E+08	-
Ptcd3	MmuEX0037643	chr6	71844875	71844951	71845007	71845899	-
Ptcd3	MmuEX0037644	chr6	71853488	71855092	71855137	71857647	-
Ptcd3	MmuEX0037645	chr6	71847162	71848334	71848449	71851190	-
Ptcd3	MmuEX0037646	chr6	71855137	71857647	71857683	71857788	-
Ptcd3	MmuEX0037647	chr6	71851313	71852850	71852954	71853420	-
Ptcd3	MmuEX0037648	chr6	71848449	71851190	71851313	71852850	-
Ptcd3	MmuEX0037649	chr6	71832223	71833438	71833586	71834534	-
Ptcd3	MmuEX0037650	chr6	71844366	71844815	71844875	71845899	-
Ptcd3	MmuEX0037651	chr6	71839680	71842463	71842513	71843376	-
Ptcd3	MmuEX0037652	chr6	71839363	71839588	71839680	71843376	-
Ptch1	MmuEX0037653	chr13	63649493	63664931	63665123	63666670	-
Ptch1	MmuEX0037654	chr13	63615123	63615550	63615649	63619420	-
Ptch1	MmuEX0037655	chr13	63646614	63649304	63649493	63664931	-
Ptch1	MmuEX0037656	chr13	63635716	63638790	63638916	63640541	-
Ptch1	MmuEX0037657	chr13	63642145	63642465	63642596	63643473	-

Ptch1	MmuEX0037658	chr13	63641220	63641990	63642145	63642465	-
Ptdss1	MmuEX0037668	chr13	67077747	67078567	67078647	67088690	+
Ptdss1	MmuEX0037669	chr13	67088789	67093341	67093443	67094889	+
Ptdss1	MmuEX0037670	chr13	67064407	67065010	67065144	67067326	+
Ptdss2	MmuEX0037671	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ptdss2	MmuEX0037672	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ptdss2	MmuEX0037673	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ptdss2	MmuEX0037674	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ptdss2	MmuEX0037675	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ptdss2	MmuEX0037676	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ptdss2	MmuEX0037677	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Pten	MmuEX0037678	chr19	32833013	32850505	32850589	32867039	+
Pter	MmuEX0037679	chr2	12845825	12895996	12896080	12899787	+
Pter	MmuEX0037680	chr2	12845825	12899787	12900040	12901920	+
Ptgds	MmuEX0037681	chr2	25322865	25323338	25323439	25323592	-
Ptgds	MmuEX0037682	chr2	25322351	25322807	25322865	25323338	-
Ptgds	MmuEX0037683	chr2	25324429	25324508	25324647	25325080	-
Ptges2	MmuEX0037688	chr2	32252070	32252951	32252979	32253058	+
Ptges2	MmuEX0037689	chr2	32255628	32255923	32256072	32256398	+
Ptges2	MmuEX0037690	chr2	32256072	32256398	32256598	32257007	+
Ptgrfn	MmuEX0037693	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ptgrfn	MmuEX0037694	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ptgrfn	MmuEX0037695	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ptgrfn	MmuEX0037696	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ptgrfn	MmuEX0037697	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ptgis	MmuEX0037698	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgis	MmuEX0037699	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgis	MmuEX0037700	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgis	MmuEX0037701	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgis	MmuEX0037702	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgis	MmuEX0037703	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgis	MmuEX0037704	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Ptgr1	MmuEX0037705	chr4	58994755	58995752	58995797	58997616	-
Ptgr2	MmuEX0037706	chr12	85647085	85648498	85648556	85648726	+
Ptgr2	MmuEX0037707	chr12	85649382	85651869	85651908	85654887	+
Ptgr2	MmuEX0037708	chr12	85636285	85637178	85637306	85638961	+
Ptgr2	MmuEX0037709	chr12	85636285	85638961	85639152	85643187	+
Ptgr2	MmuEX0037710	chr12	85639152	85643187	85643357	85646876	+
Ptgr2	MmuEX0037711	chr12	85643357	85646876	85647085	85651853	+
Ptgr2	MmuEX0037712	chr12	85636285	85648726	85648847	85651853	+
Ptgr2	MmuEX0037713	chr12	85636285	85649295	85649382	85651853	+
Ptgs1	MmuEX0037714	chr2	36086283	36090032	36091017	36092727	+
Ptgs1	MmuEX0037715	chr2	36086283	36092727	36092843	36093171	+
Ptgs1	MmuEX0037716	chr2	36096474	36098283	36098529	36100564	+
Ptgs1	MmuEX0037717	chr2	36096297	36096391	36096474	36098283	+
Pth1r	MmuEX0037719	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Pth1r	MmuEX0037720	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-

Pth1r	MmuEX0037721	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Pth1r	MmuEX0037722	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Pth1r	MmuEX0037723	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ptk2	MmuEX0037724	chr15	73225174	73252078	73252161	73253439	-
Ptk2	MmuEX0037725	chr15	73173789	73225078	73225174	73253439	-
Ptk2	MmuEX0037726	chr15	73140299	73151205	73151267	73151471	-
Ptk2	MmuEX0037727	chr15	73134977	73140245	73140299	73151205	-
Ptk2	MmuEX0037728	chr15	73128675	73134250	73134327	73134837	-
Ptk2	MmuEX0037729	chr15	73099323	73102225	73102351	73104917	-
Ptk2	MmuEX0037730	chr15	73093044	73094644	73094759	73096532	-
Ptk2	MmuEX0037731	chr15	73062422	73066582	73066668	73072796	-
Ptk2	MmuEX0037732	chr15	73046515	73046774	73046813	73052237	-
Ptk2	MmuEX0037733	chr15	73041327	73042417	73042425	73046409	-
Ptk2	MmuEX0037734	chr15	73036690	73039758	73039838	73041172	-
Ptk2	MmuEX0037735	chr15	73046813	73052237	73052299	73060291	-
Ptk2	MmuEX0037736	chr15	73072907	73087464	73087668	73089978	-
Ptk2	MmuEX0037737	chr15	73105014	73106051	73106071	73107287	-
Ptk2	MmuEX0037738	chr15	73173789	73222774	73222877	73225078	-
Ptk2	MmuEX0037739	chr15	73173789	73222189	73222310	73222774	-
Ptk2	MmuEX0037740	chr15	73173789	73195471	73195625	73225078	-
Ptk2	MmuEX0037741	chr15	73173789	73190456	73190767	73195471	-
Ptk2	MmuEX0037742	chr15	73161445	73173563	73173789	73225078	-
Ptk2	MmuEX0037743	chr15	73156266	73161279	73161445	73173563	-
Ptk2	MmuEX0037744	chr15	73151550	73156179	73156266	73161279	-
Ptk2	MmuEX0037745	chr15	73107343	73113697	73113777	73122465	-
Ptk2	MmuEX0037746	chr15	73107343	73112648	73112665	73122465	-
Ptk2b	MmuEX0037747	chr14	66809071	66832149	66832389	66899720	-
Ptk2b	MmuEX0037748	chr14	66776909	66777221	66777256	66777368	-
Ptk2b	MmuEX0037749	chr14	66775944	66776885	66776909	66777221	-
Ptk2b	MmuEX0037750	chr14	66777514	66781862	66781987	66784101	-
Ptms	MmuEX0037755	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ptov1	MmuEX0037758	chr7	52120205	52120283	52120372	52120842	-
Ptov1	MmuEX0037759	chr7	52119102	52119753	52119857	52119982	-
Ptov1	MmuEX0037760	chr7	52118564	52118749	52118814	52118905	-
Ptov1	MmuEX0037761	chr7	52120372	52120842	52120997	52122180	-
Ptp4a2	MmuEX0037762	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ptp4a2	MmuEX0037763	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ptp4a3	MmuEX0037764	chr15	73578895	73581559	73582457	73584186	+
Ptpdc1	MmuEX0037765	chr13	48688026	48701642	48701729	48720746	-
Ptpla	MmuEX0037767	chr2	13948633	13962461	13962582	13966410	-
Ptpla	MmuEX0037768	chr2	13948633	13957406	13957584	13962461	-
Ptplad1	MmuEX0037769	chr9	64846129	64847869	64847984	64848788	-
Ptplad1	MmuEX0037770	chr9	64838887	64840064	64840176	64846002	-
Ptplad2	MmuEX0037771	chr4	88080970	88083364	88083467	88084737	-
Ptpmt1	MmuEX0037773	chr2	90754332	90757011	90757068	90757586	-
Ptpmt1	MmuEX0037774	chr2	90751476	90754141	90754332	90757586	-
Ptpn1	MmuEX0037775	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+

Ptpn1	MmuEX0037776	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+
Ptpn1	MmuEX0037777	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+
Ptpn1	MmuEX0037778	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+
Ptpn1	MmuEX0037779	chr2	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+
Ptpn11	MmuEX0037780	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn11	MmuEX0037781	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn12	MmuEX0037782	chr5	20535702	20537342	20537543	20542346	-
Ptpn12	MmuEX0037783	chr5	20515402	20517503	20517562	20520512	-
Ptpn12	MmuEX0037784	chr5	20511233	20515260	20515402	20517503	-
Ptpn12	MmuEX0037785	chr5	20498594	20498746	20498809	20499048	-
Ptpn12	MmuEX0037786	chr5	20493312	20494825	20494926	20497212	-
Ptpn12	MmuEX0037787	chr5	20527912	20535594	20535702	20561467	-
Ptpn14	MmuEX0037800	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037801	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037802	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037803	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037804	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037805	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037806	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037807	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn14	MmuEX0037808	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	+
Ptpn2	MmuEX0037815	chr18	67855378	67871491	67871581	67884096	-
Ptpn2	MmuEX0037816	chr18	67835540	67837364	67837516	67840494	-
Ptpn2	MmuEX0037817	chr18	67840703	67841097	67841231	67848545	-
Ptpn2	MmuEX0037818	chr18	67848643	67855278	67855378	67871491	-
Ptpn21	MmuEX0037821	chr12	99953403	99971684	99972044	99975575	-
Ptpn21	MmuEX0037822	chr12	99937120	99938169	99938256	99942352	-
Ptpn21	MmuEX0037823	chr12	99927838	99931082	99931166	99931767	-
Ptpn21	MmuEX0037824	chr12	99947085	99947746	99947813	99949010	-
Ptpn21	MmuEX0037825	chr12	99949107	99953234	99953403	99971684	-
Ptpn23	MmuEX0037830	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Ptpn23	MmuEX0037831	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Ptpn23	MmuEX0037832	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Ptpn23	MmuEX0037833	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Ptpn23	MmuEX0037834	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Ptpn23	MmuEX0037835	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Ptpn3	MmuEX0037838	chr4	57252572	57253658	57253721	57257847	-
Ptpn3	MmuEX0037839	chr4	57248228	57252400	57252572	57253658	-
Ptpn3	MmuEX0037841	chr4	57217925	57218757	57218818	57219086	-
Ptpn3	MmuEX0037842	chr4	57208709	57209223	57209368	57210378	-
Ptpn3	MmuEX0037843	chr4	57234926	57236491	57236547	57238378	-
Ptpn4	MmuEX0037844	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037845	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037846	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037847	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037848	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037849	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-

Ptpn4	MmuEX0037850	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037851	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037852	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037853	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037854	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037855	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037856	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn4	MmuEX0037857	chr1	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Ptpn6	MmuEX0037864	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ptpn6	MmuEX0037865	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ptpn6	MmuEX0037866	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Ptpn9	MmuEX0037868	chr9	56904599	56905518	56905668	56907661	+
Ptpn9	MmuEX0037869	chr9	56905668	56907661	56907868	56908752	+
Ptpn9	MmuEX0037870	chr9	56875288	56880913	56881023	56884290	+
Ptpra	MmuEX0037871	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ptpra	MmuEX0037872	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ptpra	MmuEX0037873	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ptprb	MmuEX0037874	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ptprb	MmuEX0037875	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ptprb	MmuEX0037876	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ptprb	MmuEX0037877	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Ptprc	MmuEX0037878	chr1	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Ptprd	MmuEX0037888	chr4	75658084	75685185	75685282	75696231	-
Ptprd	MmuEX0037889	chr4	75596709	75599977	75600102	75601120	-
Ptprd	MmuEX0037890	chr4	75593082	75596555	75596709	75599977	-
Ptpre	MmuEX0037900	chr7	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Ptpre	MmuEX0037901	chr7	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Ptpre	MmuEX0037902	chr7	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Ptpre	MmuEX0037903	chr7	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Ptprf	MmuEX0037904	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprf	MmuEX0037905	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprf	MmuEX0037906	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprf	MmuEX0037908	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprf	MmuEX0037909	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprf	MmuEX0037910	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprf	MmuEX0037911	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Ptprg	MmuEX0037913	chr14	12386846	12553629	12553733	12785230	+
Ptprg	MmuEX0037914	chr14	12977998	12984530	12984579	12986172	+
Ptprg	MmuEX0037915	chr14	13011864	13023196	13023287	13032236	+
Ptprg	MmuEX0037916	chr14	12553733	12709860	12709962	12785230	+
Ptprg	MmuEX0037917	chr14	13043188	13044099	13044233	13046148	+
Ptprg	MmuEX0037918	chr14	13047837	13048376	13048522	13051453	+
Ptprg	MmuEX0037919	chr14	13051546	13052523	13052599	13053106	+
Ptprg	MmuEX0037920	chr14	13052599	13053106	13053234	13057984	+
Ptprg	MmuEX0037921	chr14	12785409	12795088	12795236	12869855	+
Ptprg	MmuEX0037922	chr14	12795236	12869855	12869950	12923929	+
Ptprg	MmuEX0037923	chr14	12553733	12785230	12785409	12795088	+

Ptprg	MmuEX0037924	chr14	12999391	13011778	13011864	13023196	+
Ptprj	MmuEX0037928	chr2	90290020	90290130	90290138	90290972	-
Ptprk	MmuEX0037929	chr10	28271562	28274576	28274605	28279811	+
Ptprk	MmuEX0037930	chr10	27926062	27968238	27968313	27983307	+
Ptprk	MmuEX0037931	chr10	27926062	27983307	27983578	28054282	+
Ptprk	MmuEX0037932	chr10	27983578	28054282	28054363	28056228	+
Ptprk	MmuEX0037934	chr10	28279971	28281913	28281948	28286301	+
Ptprk	MmuEX0037935	chr10	28289779	28289980	28289997	28293174	+
Ptprk	MmuEX0037936	chr10	28305501	28305729	28305878	28306714	+
Ptprm	MmuEX0037937	chr17	67445035	67540589	67540711	67703297	-
Ptprm	MmuEX0037938	chr17	67425007	67444764	67445035	67540589	-
Ptprm	MmuEX0037939	chr17	67096517	67111469	67111556	67158806	-
Ptprm	MmuEX0037940	chr17	67043266	67046993	67047043	67047706	-
Ptprm	MmuEX0037941	chr17	67032874	67034954	67035079	67037591	-
Ptprm	MmuEX0037942	chr17	67027476	67032711	67032874	67034954	-
Ptprm	MmuEX0037943	chr17	67391728	67395324	67395498	67412382	-
Ptprm	MmuEX0037944	chr17	67306458	67391435	67391728	67395324	-
Ptprm	MmuEX0037945	chr17	67158993	67159709	67159720	67163611	-
Ptprm	MmuEX0037946	chr17	67158993	67163611	67163637	67163807	-
Ptprm	MmuEX0037947	chr17	67240396	67261693	67261767	67268364	-
Ptpro	MmuEX0037960	chr6	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ptprs	MmuEX0037971	chr17	56594442	56597615	56597800	56615763	-
Ptprs	MmuEX0037972	chr17	56574020	56574304	56574437	56575033	-
Ptprs	MmuEX0037973	chr17	56593751	56594297	56594442	56597615	-
Ptprs	MmuEX0037974	chr17	56591263	56593610	56593751	56594297	-
Ptprs	MmuEX0037975	chr17	56553528	56554106	56554231	56554308	-
Ptprs	MmuEX0037976	chr17	56577478	56586783	56586893	56591075	-
Ptprs	MmuEX0037977	chr17	56577478	56581134	56581338	56586783	-
Ptprs	MmuEX0037978	chr17	56588356	56589776	56589784	56591075	-
Ptprs	MmuEX0037979	chr17	56560775	56561256	56561267	56561552	-
Ptprs	MmuEX0037980	chr17	56577478	56585322	56585333	56586783	-
Ptprs	MmuEX0037983	chr17	56564400	56568275	56568389	56573876	-
Ptprs	MmuEX0037984	chr17	56564400	56567362	56567555	56568275	-
Ptprs	MmuEX0037985	chr17	56564400	56567214	56567240	56567362	-
Ptprs	MmuEX0037986	chr17	56565927	56565979	56566076	56567362	-
Ptprs	MmuEX0037987	chr17	56564400	56565810	56565878	56567362	-
Ptprs	MmuEX0037988	chr17	56564400	56564750	56565349	56565810	-
Ptrf	MmuEX0038010	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ptrh1	MmuEX0038011	chr2	32632326	32632503	32632548	32645108	+
Ptrh1	MmuEX0038012	chr2	32632326	32632642	32633089	32645108	+
Ptrh2	MmuEX0038013	chr11	86497625	86501538	86501630	86503061	+
Pts	MmuEX0038014	chr9	50335121	50336251	50336337	50336662	-
Pts	MmuEX0038015	chr9	50333389	50334975	50335054	50336662	-
Pts	MmuEX0038016	chr9	50333389	50333736	50333896	50334975	-
Pts	MmuEX0038017	chr9	50332884	50333367	50333389	50334975	-
Pts	MmuEX0038018	chr9	50330704	50332828	50332884	50333367	-
Pttg1	MmuEX0038019	chr11	43233910	43234609	43234767	43236395	-

Pttg1	MmuEX0038020	chr11	43234767	43236395	43236488	43238221	-
Pttg1ip	MmuEX0038021	chr10	77044672	77049125	77049149	77049996	+
Pttg1ip	MmuEX0038022	chr10	77050048	77052379	77052487	77055591	+
Puf60	MmuEX0038023	chr15	75908132	75909800	75909919	75911280	-
Puf60	MmuEX0038024	chr15	75901747	75901896	75902086	75902170	-
Puf60	MmuEX0038025	chr15	75902998	75905037	75905087	75905972	-
Pum1	MmuEX0038026	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038027	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038028	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038029	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038030	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038031	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038032	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038033	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038034	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038035	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum1	MmuEX0038036	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Pum2	MmuEX0038037	chr12	8681286	8699314	8699415	8704897	+
Pum2	MmuEX0038038	chr12	8720743	8725794	8725919	8728471	+
Pum2	MmuEX0038039	chr12	8730985	8735440	8735583	8735662	+
Pum2	MmuEX0038040	chr12	8740315	8740441	8740504	8750567	+
Pum2	MmuEX0038041	chr12	8751272	8751421	8751555	8753963	+
Pum2	MmuEX0038042	chr12	8716315	8716965	8717131	8720166	+
Pum2	MmuEX0038043	chr12	8735955	8740079	8740315	8750567	+
Pum2	MmuEX0038044	chr12	8704965	8705870	8705994	8712739	+
Pum2	MmuEX0038045	chr12	8704965	8706955	8707028	8712739	+
Pum2	MmuEX0038046	chr12	8751555	8753963	8754100	8754917	+
Pus1	MmuEX0038048	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Pus1	MmuEX0038049	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Pus10	MmuEX0038050	chr11	23566453	23567288	23567414	23572508	+
Pus10	MmuEX0038051	chr11	23608822	23609883	23610072	23611196	+
Pus10	MmuEX0038052	chr11	23567414	23569093	23569328	23572508	+
Pus10	MmuEX0038053	chr11	23573324	23582508	23582569	23599930	+
Pus10	MmuEX0038054	chr11	23573324	23584921	23584963	23599930	+
Pus3	MmuEX0038055	chr9	35367102	35372369	35372782	35372875	+
Pus7	MmuEX0038056	chr5	23281786	23283891	23284317	23289330	-
Pus7	MmuEX0038057	chr5	23268292	23269152	23269169	23274586	-
Pus7l	MmuEX0038058	chr15	94354082	94356222	94356275	94358228	-
Pusl1	MmuEX0038059	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pusl1	MmuEX0038060	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Pvr	MmuEX0038061	chr7	20490541	20491128	20491162	20494530	-
Pvr	MmuEX0038062	chr7	20494652	20495954	20496105	20500087	-
Pvr	MmuEX0038063	chr7	20500213	20503911	20504258	20506302	-
Pvr	MmuEX0038064	chr7	20500213	20502223	20502519	20503911	-
Pvrl2	MmuEX0038065	chr7	20306855	20310034	20310218	20315387	-
Pvrl3	MmuEX0038066	chr16	46436551	46437372	46437434	46438043	-
Pvrl3	MmuEX0038068	chr16	46458344	46458928	46459224	46463931	-

Pvrl3	MmuEX0038069	chr16	46438181	46458227	46458344	46463931	-
Pvrl3	MmuEX0038070	chr16	46438181	46454737	46454888	46458227	-
Pvrl3	MmuEX0038071	chr16	46438181	46448242	46449081	46454737	-
Pwp1	MmuEX0038077	chr10	85334759	85337023	85337081	85337194	+
Pwp2	MmuEX0038078	chr10	77634879	77635378	77635426	77636126	-
Pwwp2a	MmuEX0038079	chr11	43518979	43529467	43529557	43530532	+
Pwwp2a	MmuEX0038080	chr11	43496118	43496983	43497727	43518036	+
Pwwp2a	MmuEX0038081	chr11	43497727	43499859	43499927	43518036	+
Pwwp2a	MmuEX0038082	chr11	43518979	43530532	43530651	43533723	+
Pwwp2b	MmuEX0038083	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Pxdn	MmuEX0038084	chr12	30623189	30658858	30658929	30660356	+
Pxdn	MmuEX0038085	chr12	30690715	30691391	30691599	30696699	+
Pxdn	MmuEX0038086	chr12	30660427	30664105	30664176	30667159	+
Pxdn	MmuEX0038087	chr12	30684138	30684364	30684558	30684757	+
Pxk	MmuEX0038088	chr14	8963304	8969383	8969460	8969860	+
Pxk	MmuEX0038089	chr14	8969460	8969860	8969933	8970504	+
Pxk	MmuEX0038090	chr14	8974058	8976590	8976751	8977108	+
Pxk	MmuEX0038091	chr14	8984095	8984595	8984664	8987797	+
Pxk	MmuEX0038092	chr14	8992545	8994853	8994871	8996449	+
Pxk	MmuEX0038093	chr14	8930930	8932131	8932222	8952335	+
Pxk	MmuEX0038094	chr14	8930930	8952335	8952385	8963118	+
Pxk	MmuEX0038095	chr14	8930930	8954859	8954906	8963118	+
Pxk	MmuEX0038096	chr14	8984664	8987800	8987859	8996449	+
Pxk	MmuEX0038097	chr14	8987859	8989948	8990021	8996449	+
Pxk	MmuEX0038098	chr14	8987859	8992513	8992545	8996449	+
Pxk	MmuEX0038099	chr14	8977225	8978708	8978786	8980594	+
Pxk	MmuEX0038100	chr14	8977225	8980594	8980642	8983441	+
Pxmp2	MmuEX0038101	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Pxmp3	MmuEX0038102	chr3	5565198	5570487	5570629	5576038	-
Pxmp3	MmuEX0038103	chr3	5561764	5562669	5562732	5563165	-
Pxmp3	MmuEX0038104	chr3	5563729	5565133	5565198	5576038	-
Pxmp4	MmuEX0038105	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Pxmp4	MmuEX0038106	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Pxn	MmuEX0038107	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pxn	MmuEX0038108	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pxn	MmuEX0038109	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pxn	MmuEX0038110	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Pycr1	MmuEX0038111	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Pycr2	MmuEX0038113	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Pycl	MmuEX0038114	chr15	75748894	75749103	75749282	75749659	-
Pygb	MmuEX0038118	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Pygb	MmuEX0038119	chr2	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Pygl	MmuEX0038120	chr12	71298748	71298926	71299004	71299417	-
Pygl	MmuEX0038121	chr12	71317653	71320576	71320654	71323812	-
Pygl	MmuEX0038122	chr12	71307431	71308658	71308769	71312014	-
Pygm	MmuEX0038123	chr19	6391480	6392679	6392737	6392848	+
Pygm	MmuEX0038124	chr19	6392989	6393716	6393923	6397578	+

Pygm	MmuEX0038125	chr19	6393923	6394427	6394512	6397578	+
Pygm	MmuEX0038126	chr19	6393923	6397578	6397712	6397866	+
Pygm	MmuEX0038127	chr19	6388174	6388267	6388349	6388737	+
Pygm	MmuEX0038128	chr19	6385944	6386024	6386127	6386374	+
Pyroxd1	MmuEX0038129	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Pyroxd1	MmuEX0038130	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Pyroxd1	MmuEX0038131	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	+
Pyroxd2	MmuEX0038134	chr19	42808645	42809913	42810047	42810386	-
Pyroxd2	MmuEX0038136	chr19	42805963	42808211	42808367	42808573	-
Pyroxd2	MmuEX0038137	chr19	42802267	42805809	42805963	42808211	-
Pyroxd2	MmuEX0038138	chr19	42802267	42804112	42804218	42805809	-
Qars	MmuEX0038139	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qars	MmuEX0038140	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qars	MmuEX0038141	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qars	MmuEX0038142	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qars	MmuEX0038143	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qdpr	MmuEX0038144	chr5	45834816	45835886	45835982	45838815	-
Qdpr	MmuEX0038145	chr5	45829165	45830524	45830632	45834676	-
Qdpr	MmuEX0038146	chr5	45835982	45838694	45838786	45841121	-
Qk	MmuEX0038147	chr17	10431901	10466812	10466928	10475704	-
Qk	MmuEX0038148	chr17	10409324	10410581	10410668	10431758	-
Qk	MmuEX0038149	chr17	10402496	10406224	10406298	10409025	-
Qpct	MmuEX0038150	chr17	79463414	79470013	79470291	79476822	+
Qpct	MmuEX0038151	chr17	79451728	79463268	79463414	79470013	+
Qpctl	MmuEX0038152	chr7	19726648	19728535	19728651	19730009	-
Qpctl	MmuEX0038153	chr7	19730108	19730233	19730385	19732219	-
Qpctl	MmuEX0038154	chr7	19728651	19730009	19730108	19732219	-
Qrich1	MmuEX0038156	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qrich1	MmuEX0038157	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qrich1	MmuEX0038158	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qrich1	MmuEX0038159	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qrich1	MmuEX0038160	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Qrs11	MmuEX0038164	chr10	43604924	43608775	43608942	43614321	-
Qrs11	MmuEX0038165	chr10	43604667	43604749	43604924	43608775	-
Qrs11	MmuEX0038166	chr10	43601396	43601872	43602064	43604555	-
Qrs11	MmuEX0038167	chr10	43608942	43614321	43614417	43615240	-
Qrs11	MmuEX0038168	chr10	43594512	43601279	43601389	43601872	-
Qrs11	MmuEX0038169	chr10	43594512	43596278	43596483	43601279	-
Qser1	MmuEX0038170	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Qser1	MmuEX0038171	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Qser1	MmuEX0038172	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Qser1	MmuEX0038173	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Qsox1	MmuEX0038174	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Qsox1	MmuEX0038175	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Qsox1	MmuEX0038176	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Qsox1	MmuEX0038177	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Qsox1	MmuEX0038178	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-

Qsox2	MmuEX0038179	chr2	26080774	26081758	26081806	26092563	-
Qsox2	MmuEX0038180	chr2	26065313	26066794	26066979	26069501	-
Qsox2	MmuEX0038181	chr2	26076279	26076429	26076563	26077741	-
Qsox2	MmuEX0038182	chr2	26081806	26083867	26083967	26092563	-
Qtrt1	MmuEX0038183	chr9	21222866	21223735	21223810	21223883	+
Qtrt1	MmuEX0038184	chr9	21223810	21223883	21223992	21224069	+
Qtrt1	MmuEX0038185	chr9	21216745	21216837	21216975	21221509	+
Qtrt1	MmuEX0038186	chr9	21216975	21221509	21221587	21222728	+
Qtrt1	MmuEX0038187	chr9	21221587	21221716	21221831	21222728	+
Qtrtd1	MmuEX0038188	chr16	43881326	43881436	43881448	43889680	-
Qtrtd1	MmuEX0038189	chr16	43876954	43878075	43878146	43880412	-
Qtrtd1	MmuEX0038190	chr16	43871933	43876742	43876954	43878070	-
Qtrtd1	MmuEX0038191	chr16	43869210	43871734	43871933	43876742	-
R3hcc1	MmuEX0038192	chr14	70105685	70106354	70106491	70106861	-
R3hcc1	MmuEX0038193	chr14	70103933	70104941	70105685	70106354	-
R3hcc1	MmuEX0038194	chr14	70106491	70106861	70106988	70107313	-
R3hcc1	MmuEX0038195	chr14	70097409	70099767	70099837	70103761	-
R3hcc1	MmuEX0038196	chr14	70097409	70098391	70098486	70103761	-
R3hdm1	MmuEX0038197	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038198	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038199	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038200	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038201	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038202	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038203	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038204	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038205	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038206	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038207	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038208	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038209	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm1	MmuEX0038210	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
R3hdm2	MmuEX0038211	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038212	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038213	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038214	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038215	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038216	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038217	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038218	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038219	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038220	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038221	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R3hdm2	MmuEX0038222	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
R74862	MmuEX0038223	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
RP23-140D14.19	MmuEX0038226	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
RP23-147O14.2	MmuEX0038232	chr7	48854770	48857118	48857185	48858210	+

RP23-147O14.2	MmuEX0038233	chr7	48854770	48858806	48858904	48867046	+
RP23-147O14.2	MmuEX0038234	chr7	48854770	48867046	48867295	48867741	+
RP23-147O14.2	MmuEX0038235	chr7	48867295	48867741	48867867	48880093	+
RP23-147O14.2	MmuEX0038236	chr7	48867867	48868526	48868621	48880093	+
RP23-303C8.6	MmuEX0038237	chr14	8142811	8145985	8146098	8147479	-
RP23-303C8.6	MmuEX0038238	chr14	8132004	8142661	8142811	8145985	-
RP23-315I4.2	MmuEX0038242	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
RP23-315I4.2	MmuEX0038243	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rab1	MmuEX0038251	chr11	20115705	20118816	20118911	20123087	+
Rab10	MmuEX0038252	chr12	3252713	3253269	3253358	3256867	-
Rab11a	MmuEX0038253	chr9	64573389	64574431	64574624	64576041	-
Rab11a	MmuEX0038254	chr9	64573389	64576041	64576236	64585391	-
Rab11fip2	MmuEX0038258	chr19	60013333	60015060	60015156	60018551	-
Rab11fip2	MmuEX0038259	chr19	59989351	59989858	59990079	60011509	-
Rab11fip2	MmuEX0038260	chr19	59983046	59989306	59989351	60011509	-
Rab11fip3	MmuEX0038261	chr17	26134977	26140924	26141001	26141496	-
Rab11fip3	MmuEX0038262	chr17	26134977	26140628	26140768	26141496	-
Rab11fip3	MmuEX0038263	chr17	26153100	26161320	26161411	26173534	-
Rab11fip3	MmuEX0038264	chr17	26161411	26164537	26164724	26173534	-
Rab11fip3	MmuEX0038265	chr17	26127830	26127921	26128061	26128203	-
Rab11fip3	MmuEX0038266	chr17	26145835	26148942	26149076	26150719	-
Rab11fip3	MmuEX0038267	chr17	26141589	26145800	26145835	26150719	-
Rab11fip3	MmuEX0038268	chr17	26153100	26173534	26173627	26204527	-
Rab11fip5	MmuEX0038271	chr6	85287664	85291046	85292355	85297774	-
Rab11fip5	MmuEX0038272	chr6	85287664	85290337	85290491	85291046	-
Rab12	MmuEX0038273	chr17	66855433	66868560	66868605	66868688	-
Rab12	MmuEX0038274	chr17	66849788	66854329	66854518	66855373	-
Rab13	MmuEX0038275	chr3	90026219	90027449	90027509	90027712	+
Rab13	MmuEX0038276	chr3	90028505	90028624	90028689	90029431	+
Rab13	MmuEX0038277	chr3	90028689	90028770	90028823	90029431	+
Rab14	MmuEX0038278	chr2	35048199	35055341	35055426	35056280	-
Rab14	MmuEX0038279	chr2	35037967	35038037	35038088	35038913	-
Rab18	MmuEX0038284	chr18	6765330	6767642	6767714	6770052	+
Rab18	MmuEX0038285	chr18	6770107	6778493	6778554	6783118	+
Rab21	MmuEX0038289	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Rab21	MmuEX0038290	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Rab22a	MmuEX0038291	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Rab22a	MmuEX0038292	chr2	1.73E+08	1.74E+08	1.74E+08	1.74E+08	+
Rab23	MmuEX0038293	chr1	33793727	33795133	33795225	33796098	+
Rab23	MmuEX0038294	chr1	33780947	33781779	33781864	33791547	+
Rab24	MmuEX0038295	chr13	55422205	55422463	55422541	55422751	-
Rab24	MmuEX0038296	chr13	55421914	55422288	55422355	55422463	-
Rab24	MmuEX0038297	chr13	55421914	55422106	55422205	55422288	-
Rab28	MmuEX0038308	chr5	42017101	42018226	42018320	42024412	-
Rab28	MmuEX0038309	chr5	42079089	42089629	42089717	42094677	-
Rab2b	MmuEX0038310	chr14	52895185	52898589	52898660	52898871	-
Rab2b	MmuEX0038311	chr14	52884442	52885333	52885441	52885865	-

Rab2b	MmuEX0038312	chr14	52885976	52888593	52888675	52895118	-
Rab2b	MmuEX0038313	chr14	52885976	52888317	52888409	52895118	-
Rab2b	MmuEX0038314	chr14	52884442	52885865	52885976	52895118	-
Rab30	MmuEX0038315	chr7	99890352	99950838	99951171	99968493	+
Rab30	MmuEX0038316	chr7	99968593	99972308	99972391	99978036	+
Rab30	MmuEX0038317	chr7	99972391	99978036	99978219	99984199	+
Rab31	MmuEX0038318	chr17	66066903	66069777	66069854	66071348	-
Rab31	MmuEX0038319	chr17	66045717	66047331	66047402	66066822	-
Rab32	MmuEX0038321	chr10	10266249	10270477	10270754	10277643	-
Rab33b	MmuEX0038323	chr3	51288034	51288235	51288502	51297278	+
Rab34	MmuEX0038324	chr11	78004957	78005077	78005184	78005276	+
Rab34	MmuEX0038325	chr11	78003892	78003980	78004044	78004187	+
Rab34	MmuEX0038326	chr11	78002013	78002707	78002892	78003073	+
Rab34	MmuEX0038327	chr11	78002892	78003073	78003164	78003632	+
Rab34	MmuEX0038328	chr11	78004044	78004187	78004238	78004867	+
Rab34	MmuEX0038329	chr11	78004044	78004710	78004767	78004867	+
Rab3gap1	MmuEX0038336	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038337	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038338	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038339	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038340	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038341	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038342	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038343	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038344	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038345	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038346	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap1	MmuEX0038347	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rab3gap2	MmuEX0038348	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038349	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038350	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038351	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038352	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038353	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038354	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3gap2	MmuEX0038355	chr1	1.87E+08	1.87E+08	1.87E+08	1.87E+08	+
Rab3il1	MmuEX0038357	chr19	10101969	10102050	10102127	10102775	+
Rab3il1	MmuEX0038358	chr19	10102993	10104011	10104110	10104640	+
Rab3il1	MmuEX0038359	chr19	10102127	10102775	10102993	10104640	+
Rab3ip	MmuEX0038364	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rab3ip	MmuEX0038365	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rab3ip	MmuEX0038366	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rab3ip	MmuEX0038367	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rab3ip	MmuEX0038368	chr10	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rab40c	MmuEX0038370	chr17	26028291	26044775	26044901	26056310	-
Rab40c	MmuEX0038371	chr17	26028291	26056310	26056403	26056597	-
Rab40c	MmuEX0038372	chr17	26022097	26028231	26028291	26056310	-

Rab40c	MmuEX0038373	chr17	26022097	26027583	26027643	26028231	-
Rab40c	MmuEX0038374	chr17	26022097	26027146	26027456	26027583	-
Rab4a	MmuEX0038378	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Rab4a	MmuEX0038379	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Rab4a	MmuEX0038380	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Rab4b	MmuEX0038381	chr7	27959595	27959735	27959797	27960798	-
Rab5a	MmuEX0038382	chr17	53618933	53622545	53622605	53623146	+
Rab5a	MmuEX0038383	chr17	53618933	53623146	53623400	53636852	+
Rab5c	MmuEX0038384	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rab5c	MmuEX0038385	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rab6	MmuEX0038386	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Rab6	MmuEX0038387	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Rab7	MmuEX0038391	chr6	87963692	87965626	87965712	87969630	-
Rab7	MmuEX0038392	chr6	87963692	87964580	87964695	87965626	-
Rab711	MmuEX0038393	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rab711	MmuEX0038394	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rab711	MmuEX0038395	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rab8a	MmuEX0038396	chr8	74701569	74703000	74703150	74703944	+
Rab8a	MmuEX0038397	chr8	74699828	74700222	74700287	74701519	+
Rab8b	MmuEX0038398	chr9	66696455	66699141	66699206	66700734	-
Rab8b	MmuEX0038399	chr9	66711290	66737175	66737315	66767317	-
Rabac1	MmuEX0038400	chr7	25755028	25755106	25755207	25756780	-
Rabep1	MmuEX0038401	chr11	70658510	70659941	70660011	70688248	+
Rabep1	MmuEX0038402	chr11	70718285	70720307	70720367	70721888	+
Rabep1	MmuEX0038403	chr11	70748096	70748629	70748684	70751026	+
Rabep1	MmuEX0038404	chr11	70731284	70732679	70732783	70734354	+
Rabep1	MmuEX0038405	chr11	70734470	70736645	70736743	70739274	+
Rabep1	MmuEX0038406	chr11	70751124	70753382	70753498	70753884	+
Rabep1	MmuEX0038407	chr11	70658510	70688248	70688376	70698267	+
Rabep1	MmuEX0038408	chr11	70658510	70698267	70698470	70707071	+
Rabep1	MmuEX0038409	chr11	70698470	70700513	70700673	70707071	+
Rabep1	MmuEX0038410	chr11	70700673	70707071	70707190	70713974	+
Rabep1	MmuEX0038411	chr11	70707193	70713974	70714109	70730817	+
Rabep1	MmuEX0038412	chr11	70714109	70718107	70718285	70730817	+
Rabep1	MmuEX0038413	chr11	70718285	70721888	70722019	70730817	+
Rabep2	MmuEX0038414	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rabep2	MmuEX0038415	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rabep2	MmuEX0038416	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rabep2	MmuEX0038417	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rabepk	MmuEX0038418	chr2	34635049	34636117	34636266	34640066	-
Rabepk	MmuEX0038419	chr2	34652953	34654943	34654950	34655271	-
Rabepk	MmuEX0038420	chr2	34646175	34650692	34650849	34652891	-
Rabgap1	MmuEX0038421	chr2	37298976	37310348	37310447	37324897	+
Rabgap1	MmuEX0038422	chr2	37351277	37358388	37358481	37364448	+
Rabgap1	MmuEX0038423	chr2	37398751	37403064	37403350	37411226	+
Rabgap1	MmuEX0038424	chr2	37398751	37411226	37411318	37411716	+
Rabgap1	MmuEX0038425	chr2	37416972	37417412	37417483	37418956	+

Rabgap1	MmuEX0038426	chr2	37358481	37364448	37364598	37388036	+
Rabgap1	MmuEX0038427	chr2	37388149	37392822	37392896	37395937	+
Rabgap1	MmuEX0038428	chr2	37396696	37398157	37398198	37398623	+
Rabgap1l	MmuEX0038429	chr1	1.62E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038430	chr1	1.62E+08	1.62E+08	1.62E+08	1.63E+08	-
Rabgap1l	MmuEX0038431	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038432	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038433	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038434	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038435	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038436	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038437	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038438	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038439	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038440	chr1	1.62E+08	1.62E+08	1.62E+08	1.62E+08	-
Rabgap1l	MmuEX0038441	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038442	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038443	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038444	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgap1l	MmuEX0038445	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Rabgef1	MmuEX0038446	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Rabgef1	MmuEX0038447	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Rabgef1	MmuEX0038448	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Rabggta	MmuEX0038449	chr14	56337979	56338077	56338182	56338267	-
Rabggta	MmuEX0038450	chr14	56336092	56336341	56336454	56337283	-
Rabggta	MmuEX0038451	chr14	56340097	56340432	56340542	56340681	-
Rabggta	MmuEX0038452	chr14	56338543	56338633	56338716	56339141	-
Rabggtb	MmuEX0038453	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rabggtb	MmuEX0038454	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rabggtb	MmuEX0038455	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rabif	MmuEX0038456	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rabif	MmuEX0038457	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rabl2	MmuEX0038458	chr15	89413861	89414030	89414113	89414341	-
Rabl2	MmuEX0038459	chr15	89418648	89420704	89420857	89422251	-
Rabl2	MmuEX0038460	chr15	89416769	89418619	89418648	89420704	-
Rabl2	MmuEX0038461	chr15	89416769	89417345	89417424	89418619	-
Rabl2	MmuEX0038462	chr15	89414821	89416690	89416769	89417345	-
Rabl3	MmuEX0038463	chr16	37557036	37560081	37560195	37563702	+
Rabl3	MmuEX0038464	chr16	37563852	37567406	37567477	37570474	+
Rabl3	MmuEX0038465	chr16	37567477	37570474	37570512	37571116	+
Rabl5	MmuEX0038466	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rac1	MmuEX0038467	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rad1	MmuEX0038470	chr15	10416471	10417745	10417853	10420011	+
Rad17	MmuEX0038471	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad17	MmuEX0038472	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad17	MmuEX0038473	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad17	MmuEX0038474	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-

Rad17	MmuEX0038475	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad17	MmuEX0038476	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad17	MmuEX0038477	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad17	MmuEX0038478	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rad21	MmuEX0038487	chr15	51807744	51809591	51809720	51814075	-
Rad21	MmuEX0038488	chr15	51805489	51807645	51807744	51809591	-
Rad23a	MmuEX0038490	chr8	87359818	87361359	87361489	87361588	-
Rad23a	MmuEX0038491	chr8	87362033	87362172	87362210	87362368	-
Rad23a	MmuEX0038492	chr8	87361666	87361906	87362033	87362368	-
Rad23a	MmuEX0038493	chr8	87361492	87361588	87361666	87362368	-
Rad50	MmuEX0038495	chr11	53512509	53515459	53515610	53519487	-
Rad50	MmuEX0038496	chr11	53511820	53512324	53512509	53515459	-
Rad50	MmuEX0038497	chr11	53483259	53488200	53488313	53488405	-
Rad50	MmuEX0038498	chr11	53481748	53483132	53483259	53488200	-
Rad50	MmuEX0038499	chr11	53508913	53511616	53511820	53512324	-
Rad50	MmuEX0038500	chr11	53506403	53508403	53508568	53508785	-
Rad50	MmuEX0038501	chr11	53505821	53506210	53506403	53508403	-
Rad50	MmuEX0038502	chr11	53465869	53468379	53468521	53469035	-
Rad50	MmuEX0038503	chr11	53492560	53492892	53493018	53493535	-
Rad50	MmuEX0038504	chr11	53499809	53501597	53501779	53505615	-
Rad50	MmuEX0038505	chr11	53497803	53499652	53499809	53501597	-
Rad51c	MmuEX0038513	chr11	87192989	87194334	87194394	87202121	-
Rad51c	MmuEX0038514	chr11	87194394	87203336	87203402	87208768	-
Rad51c	MmuEX0038515	chr11	87194394	87202121	87202181	87208768	-
Rad51c	MmuEX0038516	chr11	87194394	87201750	87201829	87202121	-
Rad51c	MmuEX0038517	chr11	87208899	87214892	87215058	87216100	-
Rad51l3	MmuEX0038524	chr11	82696484	82696995	82697129	82697385	-
Rad51l3	MmuEX0038525	chr11	82692854	82695288	82695363	82696389	-
Rad51l3	MmuEX0038526	chr11	82692854	82695103	82695173	82695273	-
Rad51l3	MmuEX0038527	chr11	82703312	82703472	82703533	82703840	-
Rad51l3	MmuEX0038528	chr11	82697466	82703194	82703312	82703472	-
Rad52	MmuEX0038529	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038530	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038531	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038532	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038533	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038534	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038535	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad52	MmuEX0038536	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rad54l2	MmuEX0038552	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038553	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038554	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038555	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038556	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038557	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038558	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rad54l2	MmuEX0038559	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-

Rad9	MmuEX0038560	chr19	4201057	4201150	4201247	4201329	-
Rad9	MmuEX0038561	chr19	4196082	4196181	4196382	4197113	-
Rad9	MmuEX0038562	chr19	4197780	4199390	4199581	4200272	-
Rad9	MmuEX0038563	chr19	4197586	4197671	4197780	4200272	-
Rad9b	MmuEX0038564	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rad9b	MmuEX0038565	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rad9b	MmuEX0038566	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rad9b	MmuEX0038567	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rad9b	MmuEX0038568	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rad9b	MmuEX0038569	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rad9b	MmuEX0038570	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Rae1	MmuEX0038575	chr2	1.73E+08	1.73E+08	1.73E+08	1.73E+08	+
Raf1	MmuEX0038579	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Raf1	MmuEX0038580	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Raf1	MmuEX0038581	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Raf1	MmuEX0038582	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Raf1	MmuEX0038583	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rai1	MmuEX0038585	chr11	60007534	60010793	60010853	60011291	+
Rai1	MmuEX0038586	chr11	59918896	59953743	59953872	59998598	+
Rai1	MmuEX0038587	chr11	59953872	59998598	60004124	60007441	+
Rai12	MmuEX0038588	chr11	69784244	69788542	69788762	69793332	-
Rai12	MmuEX0038589	chr11	69783090	69784063	69784244	69788542	-
Rai12	MmuEX0038590	chr11	69782698	69782995	69783090	69784063	-
Rai14	MmuEX0038591	chr15	10563021	10620126	10620207	10643101	-
Rai14	MmuEX0038592	chr15	10513591	10517593	10517679	10519014	-
Rai14	MmuEX0038595	chr15	10522861	10524741	10524811	10525590	-
Rai14	MmuEX0038596	chr15	10517679	10522755	10522861	10524741	-
Rai14	MmuEX0038597	chr15	10517679	10521827	10522005	10522755	-
Rai14	MmuEX0038598	chr15	10517679	10521342	10521370	10521827	-
Ralb	MmuEX0038600	chr1	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ralb	MmuEX0038601	chr1	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ralbp1	MmuEX0038602	chr17	66208474	66213614	66214072	66216872	-
Ralbp1	MmuEX0038603	chr17	66208474	66210596	66210945	66216872	-
Ralbp1	MmuEX0038604	chr17	66203539	66208313	66208474	66210596	-
Ralbp1	MmuEX0038605	chr17	66203539	66207002	66207133	66208313	-
Ralbp1	MmuEX0038606	chr17	66202151	66203432	66203539	66207002	-
Ralgapa1	MmuEX0038607	chr12	56842550	56848103	56848251	56858913	-
Ralgapa1	MmuEX0038608	chr12	56840556	56842421	56842550	56848103	-
Ralgapa1	MmuEX0038609	chr12	56820695	56822393	56822474	56823761	-
Ralgapa1	MmuEX0038610	chr12	56794452	56796134	56796242	56798826	-
Ralgapa1	MmuEX0038611	chr12	56760190	56762293	56762382	56766540	-
Ralgapa1	MmuEX0038613	chr12	56774511	56777391	56778252	56784894	-
Ralgapa1	MmuEX0038614	chr12	56823928	56836021	56836161	56839198	-
Ralgapa1	MmuEX0038615	chr12	56705255	56741571	56741698	56760035	-
Ralgapa1	MmuEX0038616	chr12	56705255	56713621	56713745	56760035	-
Ralgapa1	MmuEX0038617	chr12	56705255	56713060	56713090	56713621	-
Ralgapa2	MmuEX0038618	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-

Ralgapa2	MmuEX0038619	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038620	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038621	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038622	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038623	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038624	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038625	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038626	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038627	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038628	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038629	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038630	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038631	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038632	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038633	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038634	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038635	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038636	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapa2	MmuEX0038637	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Ralgapb	MmuEX0038638	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038639	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038640	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038641	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038642	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038643	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038644	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038645	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038646	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038647	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038648	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038649	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038650	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038651	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038652	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgapb	MmuEX0038653	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Ralgds	MmuEX0038654	chr2	28369080	28396231	28396341	28397810	+
Ralgds	MmuEX0038655	chr2	28399267	28399509	28399906	28400530	+
Ralgps1	MmuEX0038656	chr2	32996606	32998564	32998669	32998820	-
Ralgps1	MmuEX0038657	chr2	32993229	32996515	32996606	32998564	-
Ralgps1	MmuEX0038659	chr2	32998912	33000918	33001023	33002090	-
Ralgps1	MmuEX0038660	chr2	33014556	33023701	33023768	33027938	-
Ralgps1	MmuEX0038661	chr2	33002173	33014430	33014556	33023701	-
Ralgps1	MmuEX0038662	chr2	33002173	33013292	33013449	33014430	-
Ralgps1	MmuEX0038663	chr2	33002173	33010808	33010859	33013292	-
Ralgps1	MmuEX0038664	chr2	33180223	33196233	33196353	33226741	-
Ralgps1	MmuEX0038665	chr2	33180223	33192033	33192140	33196233	-
Ralgps1	MmuEX0038666	chr2	33140428	33180173	33180223	33192033	-

Ralgps1	MmuEX0038667	chr2	33116124	33140345	33140428	33180173	-
Ralgps1	MmuEX0038668	chr2	33116124	33131666	33131755	33140345	-
Ralgps1	MmuEX0038669	chr2	33116124	33129081	33129173	33131666	-
Ralgps1	MmuEX0038670	chr2	33030068	33115998	33116124	33129081	-
Ralgps2	MmuEX0038671	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038672	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038673	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038674	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038675	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038676	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038677	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Ralgps2	MmuEX0038678	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Raly	MmuEX0038679	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Raly	MmuEX0038681	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Raly	MmuEX0038682	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Raly	MmuEX0038683	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Raly	MmuEX0038684	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Raly	MmuEX0038685	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ramp1	MmuEX0038689	chr1	93076717	93083872	93083969	93087048	+
Ramp2	MmuEX0038690	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Ramp3	MmuEX0038691	chr11	6558630	6564204	6564350	6574766	+
Ranbp10	MmuEX0038692	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038693	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038694	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038695	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038696	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038697	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038698	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038699	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038700	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp10	MmuEX0038701	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Ranbp2	MmuEX0038712	chr10	57927974	57928192	57928329	57928411	+
Ranbp2	MmuEX0038713	chr10	57930042	57930138	57930221	57933375	+
Ranbp2	MmuEX0038714	chr10	57946731	57947190	57947368	57948428	+
Ranbp2	MmuEX0038715	chr10	57918702	57920200	57920243	57920340	+
Ranbp2	MmuEX0038716	chr10	57920532	57923266	57923353	57924584	+
Ranbp2	MmuEX0038717	chr10	57914799	57916060	57916171	57917321	+
Ranbp2	MmuEX0038718	chr10	57955432	57955550	57955884	57956411	+
Ranbp2	MmuEX0038719	chr10	57948629	57951321	57951422	57953358	+
Ranbp2	MmuEX0038720	chr10	57951422	57953358	57953503	57955159	+
Ranbp3	MmuEX0038721	chr17	56812834	56824198	56824302	56825189	+
Ranbp3	MmuEX0038722	chr17	56812834	56825189	56825251	56825429	+
Ranbp3	MmuEX0038723	chr17	56847703	56848637	56848757	56849511	+
Ranbp3	MmuEX0038724	chr17	56849653	56850014	56850200	56850279	+
Ranbp3	MmuEX0038725	chr17	56825484	56831168	56831305	56836025	+
Ranbp3	MmuEX0038726	chr17	56825484	56831944	56832144	56836025	+
Ranbp3	MmuEX0038727	chr17	56836212	56838531	56838640	56840446	+

Ranbp3	MmuEX0038728	chr17	56836212	56840446	56840511	56842186	+
Ranbp3	MmuEX0038729	chr17	56840511	56840872	56840964	56842186	+
Ranbp3	MmuEX0038730	chr17	56841297	56842186	56842313	56846285	+
Ranbp3	MmuEX0038731	chr17	56842313	56844880	56844993	56846285	+
Ranbp9	MmuEX0038732	chr13	43531511	43557081	43557192	43575781	-
Ranbp9	MmuEX0038733	chr13	43530350	43531459	43531511	43557081	-
Ranbp9	MmuEX0038734	chr13	43525839	43528576	43528693	43530183	-
Ranbp9	MmuEX0038735	chr13	43520583	43525817	43525839	43530183	-
Ranbp9	MmuEX0038736	chr13	43516688	43517920	43518032	43520399	-
Rangap1	MmuEX0038737	chr15	81555062	81559647	81559694	81560142	-
Rangap1	MmuEX0038738	chr15	81559732	81559817	81559860	81560142	-
Rangap1	MmuEX0038739	chr15	81555062	81556504	81556712	81560142	-
Rangap1	MmuEX0038740	chr15	81543407	81546997	81547131	81549173	-
Rangap1	MmuEX0038741	chr15	81536933	81539917	81540036	81540791	-
Rap1a	MmuEX0038744	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rap1b	MmuEX0038745	chr10	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Rap1gap	MmuEX0038747	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rap1gap	MmuEX0038748	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rap1gap2	MmuEX0038752	chr11	74202361	74205722	74205848	74206547	-
Rap1gap2	MmuEX0038753	chr11	74206984	74209281	74209399	74210859	-
Rap1gap2	MmuEX0038754	chr11	74239492	74255252	74255287	74298389	-
Rap1gap2	MmuEX0038755	chr11	74250965	74251766	74251810	74255252	-
Rap1gap2	MmuEX0038756	chr11	74239492	74250933	74250965	74298389	-
Rap1gap2	MmuEX0038757	chr11	74239492	74250426	74250638	74298389	-
Rap1gds1	MmuEX0038758	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038759	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038760	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038761	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038762	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038763	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038764	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rap1gds1	MmuEX0038765	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Rapgef1	MmuEX0038766	chr2	29475583	29516652	29516705	29534653	+
Rapgef1	MmuEX0038767	chr2	29580404	29581726	29581801	29586048	+
Rapgef1	MmuEX0038768	chr2	29535370	29541625	29541803	29544627	+
Rapgef1	MmuEX0038769	chr2	29475583	29534653	29534789	29541625	+
Rapgef1	MmuEX0038770	chr2	29534789	29535257	29535370	29541625	+
Rapgef1	MmuEX0038771	chr2	29562920	29565676	29565828	29577744	+
Rapgef1	MmuEX0038772	chr2	29562920	29575113	29575370	29577744	+
Rapgef1	MmuEX0038773	chr2	29562920	29576163	29576258	29577744	+
Rapgef2	MmuEX0038774	chr3	78999940	79014613	79014669	79018879	-
Rapgef2	MmuEX0038775	chr3	78896825	78896917	78897024	78898207	-
Rapgef2	MmuEX0038776	chr3	78908062	78916093	78916224	78976830	-
Rapgef2	MmuEX0038777	chr3	78885207	78886546	78886569	78887121	-
Rapgef3	MmuEX0038779	chr15	97577708	97577837	97577874	97578644	-
Rapgef3	MmuEX0038780	chr15	97579101	97579927	97579977	97580082	-
Rapgef3	MmuEX0038781	chr15	97592163	97597193	97597405	97597826	-

Rapgef3	MmuEX0038782	chr15	97588536	97588822	97588934	97589273	-
Rapgef3	MmuEX0038783	chr15	97580825	97588114	97588192	97588448	-
Rapgef3	MmuEX0038784	chr15	97587071	97587610	97587692	97587781	-
Rapgef3	MmuEX0038785	chr15	97584750	97587032	97587071	97587610	-
Rapgef3	MmuEX0038786	chr15	97580825	97584669	97584750	97587032	-
Rapgef3	MmuEX0038787	chr15	97580825	97584208	97584354	97584669	-
Rapgef3	MmuEX0038788	chr15	97580825	97581222	97581319	97584208	-
Rapgef3	MmuEX0038789	chr15	97592012	97592110	97592163	97597193	-
Rapgef3	MmuEX0038790	chr15	97580825	97591906	97592012	97592110	-
Rapgef3	MmuEX0038791	chr15	97580825	97591539	97591660	97591899	-
Rapgef3	MmuEX0038792	chr15	97580825	97591010	97591178	97591539	-
Rapgef3	MmuEX0038793	chr15	97580825	97590396	97590480	97591010	-
Rapgef3	MmuEX0038794	chr15	97580825	97589756	97589816	97590396	-
Rapgef3	MmuEX0038795	chr15	97589419	97589593	97589669	97589756	-
Rapgef3	MmuEX0038796	chr15	97580825	97589273	97589419	97589593	-
Rapgef4	MmuEX0038798	chr2	71979229	72012480	72012533	72012859	+
Rapgef4	MmuEX0038799	chr2	71979229	72012859	72012965	72016235	+
Rapgef4	MmuEX0038800	chr2	72033778	72034273	72034333	72036394	+
Rapgef4	MmuEX0038801	chr2	72079534	72080291	72080378	72080785	+
Rapgef4	MmuEX0038802	chr2	72080849	72090997	72091051	72094306	+
Rapgef5	MmuEX0038803	chr12	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rapgef5	MmuEX0038804	chr12	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rapgef5	MmuEX0038805	chr12	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rapgef5	MmuEX0038806	chr12	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rapgef5	MmuEX0038808	chr12	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rapgef6	MmuEX0038809	chr11	54336620	54357081	54357151	54359875	+
Rapgef6	MmuEX0038810	chr11	54424421	54433388	54433565	54435818	+
Rapgef6	MmuEX0038811	chr11	54359931	54366292	54366375	54374827	+
Rapgef6	MmuEX0038812	chr11	54477716	54482116	54482239	54489697	+
Rapgef6	MmuEX0038813	chr11	54366375	54374827	54374896	54381855	+
Rapgef6	MmuEX0038814	chr11	54497528	54503679	54503907	54504740	+
Rapgef6	MmuEX0038815	chr11	54456453	54460600	54460611	54462684	+
Rapgef6	MmuEX0038816	chr11	54462841	54465251	54465265	54470748	+
Rapgef6	MmuEX0038817	chr11	54453360	54456213	54456453	54462684	+
Rapgef6	MmuEX0038818	chr11	54482239	54485157	54485180	54489697	+
Rapgef6	MmuEX0038819	chr11	54505242	54507772	54508074	54509582	+
Rapgef6	MmuEX0038820	chr11	54497528	54501046	54501156	54503679	+
Raph1	MmuEX0038824	chr1	60555378	60556324	60556467	60557399	-
Raph1	MmuEX0038825	chr1	60558721	60559669	60559828	60560362	-
Raph1	MmuEX0038826	chr1	60547165	60548304	60548379	60550382	-
Raph1	MmuEX0038827	chr1	60540184	60545967	60547165	60550382	-
Raph1	MmuEX0038828	chr1	60540184	60545044	60545883	60550382	-
Raph1	MmuEX0038829	chr1	60560439	60575824	60575904	60582436	-
Raph1	MmuEX0038830	chr1	60560439	60567261	60567335	60582436	-
Rapsn	MmuEX0038831	chr2	90877042	90882011	90882169	90883117	+
Rapsn	MmuEX0038832	chr2	90883419	90883848	90883901	90884997	+
Rara	MmuEX0038833	chr11	98799193	98811559	98812109	98827661	+

Rara	MmuEX0038834	chr11	98812109	98826467	98826550	98827661	+
Rara	MmuEX0038835	chr11	98812109	98827661	98827809	98829359	+
Rarb	MmuEX0038837	chr14	17341589	17380928	17381076	17407372	-
Rarb	MmuEX0038838	chr14	17267772	17269248	17269424	17276192	-
Rarb	MmuEX0038839	chr14	17266837	17267568	17267772	17269248	-
Rarg	MmuEX0038840	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rarg	MmuEX0038841	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rarg	MmuEX0038842	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rarres2	MmuEX0038846	chr6	48521886	48522087	48522289	48522593	-
Rarres2	MmuEX0038847	chr6	48520058	48520243	48520338	48521782	-
Rars	MmuEX0038848	chr11	35638018	35639489	35639610	35639979	-
Rars	MmuEX0038849	chr11	35634727	35637898	35638018	35639489	-
Rars	MmuEX0038850	chr11	35642315	35646073	35646165	35646674	-
Rars2	MmuEX0038851	chr4	34562275	34563774	34563974	34565803	+
Rars2	MmuEX0038852	chr4	34586570	34588123	34588225	34592946	+
Rars2	MmuEX0038853	chr4	34599457	34602059	34602183	34603255	+
Rars2	MmuEX0038854	chr4	34604112	34604416	34604490	34606740	+
Rars2	MmuEX0038855	chr4	34562275	34562718	34562810	34565803	+
Rars2	MmuEX0038856	chr4	34570762	34572650	34572733	34577722	+
Rars2	MmuEX0038857	chr4	34577819	34580907	34580962	34592946	+
Rars2	MmuEX0038858	chr4	34577819	34584201	34584284	34592946	+
Rars2	MmuEX0038859	chr4	34577819	34586494	34586570	34592946	+
Rars2	MmuEX0038860	chr4	34586570	34592946	34593104	34597440	+
Rars2	MmuEX0038861	chr4	34593104	34593757	34593863	34597440	+
Rars2	MmuEX0038862	chr4	34593863	34595035	34595130	34597440	+
Rasa1	MmuEX0038863	chr13	85366729	85367836	85367912	85368213	-
Rasa1	MmuEX0038864	chr13	85363149	85363808	85363923	85365087	-
Rasa1	MmuEX0038865	chr13	85383943	85386196	85386248	85390037	-
Rasa1	MmuEX0038866	chr13	85377822	85383793	85383943	85386196	-
Rasa1	MmuEX0038867	chr13	85356616	85357787	85357864	85359011	-
Rasa2	MmuEX0038868	chr9	96453605	96457819	96457896	96461117	-
Rasa2	MmuEX0038869	chr9	96452828	96453532	96453605	96457819	-
Rasa2	MmuEX0038870	chr9	96492445	96503132	96503226	96506512	-
Rasa2	MmuEX0038872	chr9	96461200	96468783	96468906	96469439	-
Rasa2	MmuEX0038873	chr9	96461200	96466435	96466541	96469439	-
Rasa3	MmuEX0038874	chr8	13614637	13631775	13631892	13677393	-
Rasa3	MmuEX0038875	chr8	13580107	13581251	13581328	13582299	-
Rasa3	MmuEX0038876	chr8	13570422	13576337	13576440	13577360	-
Rasa3	MmuEX0038877	chr8	13595407	13595809	13595889	13598214	-
Rasa3	MmuEX0038878	chr8	13586988	13587952	13588100	13588864	-
Rasa3	MmuEX0038879	chr8	13605956	13614534	13614637	13631775	-
Rasa3	MmuEX0038880	chr8	13631892	13659939	13660022	13677393	-
Rasa4	MmuEX0038881	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038882	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038883	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038884	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038885	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+

Rasa4	MmuEX0038886	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038887	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038888	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038889	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038890	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038891	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasa4	MmuEX0038892	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Rasal2	MmuEX0038899	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Rasal2	MmuEX0038900	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Rasal2	MmuEX0038901	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Rasal2	MmuEX0038903	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Rasal2	MmuEX0038904	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Rasgef1b	MmuEX0038909	chr5	99670550	99672083	99672265	99681733	-
Rasgef1b	MmuEX0038910	chr5	99663008	99663495	99663710	99669842	-
Rasgrp2	MmuEX0038918	chr19	6405054	6407041	6407322	6408171	+
Rasgrp2	MmuEX0038919	chr19	6401863	6402552	6402574	6402992	+
Rasgrp2	MmuEX0038920	chr19	6408954	6413085	6413226	6413428	+
Rasgrp2	MmuEX0038921	chr19	6403563	6404018	6404095	6404300	+
Rasgrp3	MmuEX0038922	chr17	75835508	75888157	75888289	75891098	+
Rasgrp3	MmuEX0038923	chr17	75899572	75899980	75900096	75902454	+
Rasgrp3	MmuEX0038924	chr17	75913533	75915670	75915817	75923489	+
Rasgrp3	MmuEX0038925	chr17	75895784	75896280	75896411	75897724	+
Rasgrp4	MmuEX0038926	chr7	29922744	29923830	29924124	29925261	+
Rasgrp4	MmuEX0038927	chr7	29933911	29934006	29934165	29934818	+
Rasgrp4	MmuEX0038928	chr7	29925660	29927985	29928158	29930151	+
Rasgrp4	MmuEX0038929	chr7	29930267	29930827	29931102	29933386	+
Rasgrp4	MmuEX0038931	chr7	29922744	29925261	29925392	29927985	+
Rasgrp4	MmuEX0038932	chr7	29922744	29925549	29925660	29927985	+
Rasip1	MmuEX0038933	chr7	52888259	52890187	52890224	52890337	+
Rasip1	MmuEX0038934	chr7	52890701	52891708	52891951	52892090	+
Rasip1	MmuEX0038935	chr7	52892262	52893240	52893387	52894055	+
Rasl10b	MmuEX0038936	chr11	83226336	83230688	83230713	83231354	+
Rasl11b	MmuEX0038937	chr5	74592184	74593292	74593368	74594134	+
Rasl12	MmuEX0038938	chr9	65246474	65248726	65248782	65255384	+
Rasl12	MmuEX0038939	chr9	65248782	65255384	65255457	65256117	+
Rassf1	MmuEX0038940	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Rassf2	MmuEX0038942	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Rassf2	MmuEX0038943	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Rassf4	MmuEX0038945	chr6	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Rassf4	MmuEX0038946	chr6	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Rassf5	MmuEX0038948	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rassf7	MmuEX0038952	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Rassf7	MmuEX0038953	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Rassf8	MmuEX0038954	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Rassf8	MmuEX0038955	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Rassf8	MmuEX0038956	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Raver1	MmuEX0038957	chr9	20884256	20884528	20884615	20885149	-

Raver1	MmuEX0038958	chr9	20883958	20884045	20884256	20884528	-
Raver1	MmuEX0038959	chr9	20881085	20883653	20883958	20884045	-
Raver1	MmuEX0038960	chr9	20885548	20885628	20885819	20890689	-
Raver1	MmuEX0038961	chr9	20891158	20894694	20894760	20896203	-
Raver1	MmuEX0038962	chr9	20880112	20880408	20880551	20881011	-
Raver1	MmuEX0038963	chr9	20879940	20880029	20880112	20880408	-
Rb1	MmuEX0038967	chr14	73673553	73678221	73678298	73679929	-
Rb1	MmuEX0038968	chr14	73665439	73668918	73669005	73672440	-
Rb1	MmuEX0038969	chr14	73694837	73697572	73697642	73697861	-
Rb1	MmuEX0038970	chr14	73605930	73607022	73607126	73611411	-
Rb1	MmuEX0038971	chr14	73687477	73688044	73688200	73688516	-
Rb1	MmuEX0038972	chr14	73680071	73682675	73682785	73687410	-
Rb1	MmuEX0038973	chr14	73599131	73602632	73602662	73605551	-
Rb1	MmuEX0038974	chr14	73694837	73697861	73697976	73721824	-
Rb1	MmuEX0038975	chr14	73688554	73694718	73694837	73697861	-
Rb1cc1	MmuEX0038976	chr1	6224168	6224310	6224480	6228343	+
Rbbp4	MmuEX0038980	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038981	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038982	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038983	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038984	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038985	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038986	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp4	MmuEX0038987	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbbp5	MmuEX0038988	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rbbp5	MmuEX0038989	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rbbp5	MmuEX0038990	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rbbp5	MmuEX0038991	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Rbbp6	MmuEX0038992	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rbbp6	MmuEX0038993	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rbbp6	MmuEX0038994	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rbbp6	MmuEX0038995	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rbbp6	MmuEX0038996	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Rbbp8	MmuEX0038997	chr18	11864376	11874243	11874347	11877342	+
Rbbp8	MmuEX0038998	chr18	11884004	11885682	11885793	11890699	+
Rbbp8	MmuEX0039000	chr18	11851633	11855252	11855318	11864201	+
Rbbp8	MmuEX0039001	chr18	11819450	11831091	11831133	11836104	+
Rbbp8	MmuEX0039002	chr18	11819450	11836104	11836199	11851521	+
Rbbp8	MmuEX0039003	chr18	11881034	11881113	11881239	11883916	+
Rbbp8	MmuEX0039004	chr18	11881239	11883916	11884004	11885682	+
Rbbp9	MmuEX0039005	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rbbp9	MmuEX0039006	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rbck1	MmuEX0039007	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rbck1	MmuEX0039008	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rbck1	MmuEX0039009	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rbck1	MmuEX0039010	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rbfa	MmuEX0039011	chr18	80394622	80396669	80396862	80397125	-

Rbfa	MmuEX0039012	chr18	80391842	80393989	80394101	80394403	-
Rbfox1	MmuEX0039013	chr16	6809341	7224404	7224643	7277118	+
Rbfox1	MmuEX0039014	chr16	7224643	7277118	7277261	7285571	+
Rbfox1	MmuEX0039016	chr16	7277261	7285571	7285624	7294163	+
Rbfox1	MmuEX0039017	chr16	7285624	7292278	7292370	7294163	+
Rbfox1	MmuEX0039018	chr16	7353157	7363958	7363997	7375998	+
Rbfox1	MmuEX0039019	chr16	7353157	7369894	7369936	7375998	+
Rbfox1	MmuEX0039020	chr16	7353157	7375998	7376062	7408057	+
Rbfox1	MmuEX0039021	chr16	7376062	7392081	7392133	7408057	+
Rbfox1	MmuEX0039022	chr16	7294223	7306501	7306554	7330455	+
Rbfox1	MmuEX0039023	chr16	7306554	7330455	7330535	7353025	+
Rbfox2	MmuEX0039024	chr15	76963371	77061817	77061867	77136794	-
Rbfox2	MmuEX0039025	chr15	76936099	76940595	76940635	76944035	-
Rbfox2	MmuEX0039026	chr15	76924920	76927261	76927323	76928370	-
Rbfox2	MmuEX0039027	chr15	76947497	76963147	76963371	77061817	-
Rbfox2	MmuEX0039028	chr15	76963371	77033792	77033845	77061817	-
Rbfox2	MmuEX0039029	chr15	76916585	76924881	76924920	76928370	-
Rbfox2	MmuEX0039030	chr15	76916585	76922242	76922284	76928370	-
Rbfox2	MmuEX0039031	chr15	76933369	76944035	76944088	76947351	-
Rbfox2	MmuEX0039032	chr15	76933369	76936007	76936099	76944035	-
Rbks	MmuEX0039038	chr5	31927029	31942590	31942858	31950094	-
Rbks	MmuEX0039039	chr5	31969297	31973242	31973302	31975686	-
Rbks	MmuEX0039040	chr5	31968154	31969234	31969297	31975686	-
Rbks	MmuEX0039041	chr5	31962444	31968092	31968154	31969234	-
Rbks	MmuEX0039042	chr5	31950282	31954182	31954273	31962280	-
Rbks	MmuEX0039043	chr5	31954273	31962280	31962444	31968092	-
Rbl1	MmuEX0039045	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Rbl2	MmuEX0039050	chr8	93614120	93619448	93619557	93620663	+
Rbl2	MmuEX0039051	chr8	93620766	93623525	93623659	93623939	+
Rbl2	MmuEX0039052	chr8	93625411	93626097	93626208	93630179	+
Rbl2	MmuEX0039053	chr8	93620766	93623939	93624076	93625247	+
Rbl2	MmuEX0039054	chr8	93631133	93636417	93636488	93637884	+
Rbm10	MmuEX0039056	chrX	20197240	20212857	20213040	20216559	+
Rbm10	MmuEX0039057	chrX	20213040	20214552	20214782	20216559	+
Rbm14	MmuEX0039060	chr19	4788042	4790157	4790310	4792398	-
Rbm14	MmuEX0039061	chr19	4785567	4787361	4788042	4792398	-
Rbm14	MmuEX0039062	chr19	4804015	4808084	4808236	4811172	-
Rbm14	MmuEX0039063	chr19	4794009	4802817	4804015	4811172	-
Rbm14	MmuEX0039064	chr19	4794009	4802551	4802723	4811172	-
Rbm14	MmuEX0039065	chr19	4794009	4801551	4801805	4811172	-
Rbm14	MmuEX0039066	chr19	4792820	4793926	4794009	4811172	-
Rbm15	MmuEX0039067	chr3	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rbm18	MmuEX0039068	chr2	35978458	35982645	35982771	35989655	-
Rbm18	MmuEX0039069	chr2	35978458	35981823	35981913	35982645	-
Rbm19	MmuEX0039070	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039071	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039072	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+

Rbm19	MmuEX0039073	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039074	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039075	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039076	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039077	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039078	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039079	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039080	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039081	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039082	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039083	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039084	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039085	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039086	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039087	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm19	MmuEX0039088	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Rbm20	MmuEX0039089	chr19	53918334	53924592	53924678	53925667	+
Rbm20	MmuEX0039090	chr19	53909269	53915469	53915548	53917713	+
Rbm22	MmuEX0039091	chr18	60720958	60722455	60722498	60723420	+
Rbm24	MmuEX0039092	chr13	46517274	46517645	46517757	46524323	+
Rbm25	MmuEX0039093	chr12	85001311	85001545	85001628	85004929	+
Rbm25	MmuEX0039094	chr12	85001628	85002157	85002218	85004929	+
Rbm25	MmuEX0039095	chr12	85001628	85004929	85005209	85009042	+
Rbm25	MmuEX0039096	chr12	84973367	84976352	84976431	84980078	+
Rbm25	MmuEX0039097	chr12	84973367	84980078	84980141	84983579	+
Rbm25	MmuEX0039098	chr12	85013834	85015289	85015613	85015994	+
Rbm25	MmuEX0039099	chr12	84980141	84983352	84983469	84983579	+
Rbm25	MmuEX0039100	chr12	84983699	84985349	84985398	84987087	+
Rbm25	MmuEX0039101	chr12	84987254	84989148	84989205	84992237	+
Rbm25	MmuEX0039103	chr12	85015613	85015766	85015839	85015994	+
Rbm25	MmuEX0039104	chr12	85015613	85015994	85016268	85017032	+
Rbm25	MmuEX0039105	chr12	84992394	84992596	84992700	85000373	+
Rbm25	MmuEX0039106	chr12	85000558	85001258	85001311	85001545	+
Rbm26	MmuEX0039107	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039108	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039109	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039110	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039111	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039112	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039113	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039114	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039115	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039116	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm26	MmuEX0039117	chr14	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Rbm27	MmuEX0039118	chr18	42435246	42447762	42447880	42451637	+
Rbm27	MmuEX0039119	chr18	42477404	42479456	42479600	42480418	+
Rbm27	MmuEX0039120	chr18	42481862	42483709	42483852	42485559	+

Rbm27	MmuEX0039121	chr18	42486892	42487008	42487172	42492434	+
Rbm27	MmuEX0039122	chr18	42492538	42492863	42493051	42496617	+
Rbm27	MmuEX0039123	chr18	42460164	42461377	42461670	42465334	+
Rbm27	MmuEX0039124	chr18	42465468	42473625	42473789	42477255	+
Rbm27	MmuEX0039125	chr18	42483852	42485559	42485678	42486818	+
Rbm28	MmuEX0039126	chr6	29077900	29078161	29078256	29078429	-
Rbm28	MmuEX0039127	chr6	29105189	29107068	29107139	29108170	-
Rbm28	MmuEX0039128	chr6	29108922	29109088	29109094	29109656	-
Rbm28	MmuEX0039129	chr6	29075524	29077798	29077900	29078429	-
Rbm28	MmuEX0039130	chr6	29089626	29093554	29093663	29102282	-
Rbm3	MmuEX0039131	chrX	7718334	7719953	7720081	7720373	-
Rbm33	MmuEX0039132	chr5	28694853	28703771	28703899	28713027	+
Rbm33	MmuEX0039133	chr5	28694853	28713027	28713159	28714187	+
Rbm33	MmuEX0039134	chr5	28713159	28714187	28714530	28716043	+
Rbm33	MmuEX0039135	chr5	28717711	28720542	28721210	28734792	+
Rbm33	MmuEX0039136	chr5	28663590	28663967	28664066	28665536	+
Rbm33	MmuEX0039137	chr5	28663590	28665038	28665125	28665536	+
Rbm33	MmuEX0039138	chr5	28663590	28665536	28665848	28668935	+
Rbm33	MmuEX0039139	chr5	28665848	28668935	28669054	28679012	+
Rbm33	MmuEX0039140	chr5	28721210	28734795	28735001	28737111	+
Rbm34	MmuEX0039141	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbm34	MmuEX0039142	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbm34	MmuEX0039143	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbm34	MmuEX0039144	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbm34	MmuEX0039145	chr8	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Rbm39	MmuEX0039146	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Rbm39	MmuEX0039147	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Rbm39	MmuEX0039148	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Rbm39	MmuEX0039149	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Rbm39	MmuEX0039150	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Rbm41	MmuEX0039151	chrX	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Rbm41	MmuEX0039153	chrX	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Rbm41	MmuEX0039154	chrX	1.36E+08	1.37E+08	1.37E+08	1.37E+08	-
Rbm42	MmuEX0039155	chr7	31430861	31430938	31431003	31432579	-
Rbm43	MmuEX0039156	chr2	51785369	51787920	51788043	51790352	-
Rbm45	MmuEX0039164	chr2	76210214	76211617	76211743	76213413	+
Rbm45	MmuEX0039165	chr2	76216819	76216975	76217138	76218422	+
Rbm4b	MmuEX0039174	chr19	4757669	4760013	4760282	4761977	+
Rbm4b	MmuEX0039175	chr19	4757669	4761977	4762647	4765344	+
Rbm4b	MmuEX0039176	chr19	4762647	4764350	4764571	4765263	+
Rbm5	MmuEX0039177	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm5	MmuEX0039178	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm5	MmuEX0039179	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm5	MmuEX0039180	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm5	MmuEX0039181	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm5	MmuEX0039182	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039183	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-

Rbm6	MmuEX0039184	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039185	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039186	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039187	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039188	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039189	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039190	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm6	MmuEX0039191	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rbm7	MmuEX0039192	chr9	48298093	48298953	48299043	48301512	-
Rbm7	MmuEX0039193	chr9	48302286	48302388	48302492	48303260	-
Rbms1	MmuEX0039194	chr2	60591039	60591787	60591871	60593473	-
Rbms1	MmuEX0039195	chr2	60680529	60686211	60686305	60726481	-
Rbms1	MmuEX0039196	chr2	60680529	60799893	60799957	60800748	-
Rbms1	MmuEX0039197	chr2	60596911	60597816	60597863	60600110	-
Rbms1	MmuEX0039198	chr2	60594603	60596861	60596911	60600110	-
Rbms2	MmuEX0039199	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Rbms2	MmuEX0039200	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Rbms2	MmuEX0039201	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Rbms2	MmuEX0039202	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Rbms3	MmuEX0039205	chr9	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Rbmx	MmuEX0039214	chrX	54644878	54645873	54645974	54646029	-
Rbmx	MmuEX0039215	chrX	54638398	54639318	54640570	54641238	-
Rbmx2	MmuEX0039216	chrX	46048612	46050578	46050629	46059482	+
Rbp4	MmuEX0039219	chr19	38198625	38198786	38198922	38199009	-
Rbp4	MmuEX0039220	chr19	38191399	38192762	38192974	38198519	-
Rbp4	MmuEX0039221	chr19	38192974	38198519	38198625	38198786	-
Rbp7	MmuEX0039222	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Rbpms	MmuEX0039228	chr8	34973520	34973883	34973937	34974805	-
Rbpms	MmuEX0039229	chr8	34944926	34954624	34954653	34973458	-
Rbpms	MmuEX0039230	chr8	34917322	34918206	34918965	34944776	-
Rbpms	MmuEX0039231	chr8	34944926	34976799	34976876	35039948	-
Rbpms	MmuEX0039232	chr8	34944926	34974805	34974843	35039948	-
Rbpms	MmuEX0039233	chr8	34944926	34973458	34973520	34974805	-
Rbpms	MmuEX0039234	chr8	34917322	34944776	34944926	34973458	-
Rbpms	MmuEX0039235	chr8	34905622	34917189	34917322	34944776	-
Rbpms	MmuEX0039236	chr8	34905622	34907346	34907475	34917189	-
Rbpms	MmuEX0039237	chr8	34894658	34905554	34905622	34917189	-
Rbpms	MmuEX0039238	chr8	34894658	34899864	34899967	34905554	-
Rbpms2	MmuEX0039239	chr9	65498890	65499065	65499248	65499393	+
Rbpms2	MmuEX0039240	chr9	65478704	65497156	65497233	65506942	+
Rbpms2	MmuEX0039241	chr9	65478704	65497774	65497812	65506942	+
Rbpms2	MmuEX0039242	chr9	65478704	65498369	65498431	65506942	+
Rbpms2	MmuEX0039243	chr9	65478704	65498740	65498890	65506942	+
Rbpms2	MmuEX0039244	chr9	65478704	65499468	65499511	65506942	+
Rc3h1	MmuEX0039246	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Rc3h2	MmuEX0039248	chr2	37255225	37255341	37255473	37256049	-
Rc3h2	MmuEX0039249	chr2	37232788	37232875	37232956	37233371	-

Rc3h2	MmuEX0039250	chr2	37234041	37234378	37234524	37237390	-
Rc3h2	MmuEX0039251	chr2	37245410	37253764	37253876	37255107	-
Rc3h2	MmuEX0039252	chr2	37240980	37245377	37245410	37253764	-
Rc3h2	MmuEX0039253	chr2	37240980	37245105	37245294	37253764	-
Rc3h2	MmuEX0039254	chr2	37265187	37266660	37266777	37270036	-
Rcan1	MmuEX0039255	chr16	92393873	92396111	92396270	92397508	-
Rcan2	MmuEX0039256	chr17	44154889	44157902	44158073	44173922	+
Rcan3	MmuEX0039257	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Rcan3	MmuEX0039258	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Rcbtb1	MmuEX0039259	chr14	59820421	59825641	59825767	59828580	+
Rcbtb1	MmuEX0039260	chr14	59820421	59828762	59828931	59829272	+
Rcbtb1	MmuEX0039261	chr14	59840412	59842030	59842137	59843470	+
Rcbtb1	MmuEX0039262	chr14	59842137	59843470	59843612	59845145	+
Rcbtb1	MmuEX0039263	chr14	59847218	59848724	59848875	59849247	+
Rcbtb1	MmuEX0039264	chr14	59845335	59847092	59847218	59848724	+
Rcbtb1	MmuEX0039265	chr14	59820421	59824462	59824559	59828762	+
Rcbtb1	MmuEX0039266	chr14	59820421	59828580	59828647	59828762	+
Rcbtb1	MmuEX0039267	chr14	59829422	59836433	59836599	59845145	+
Rcbtb1	MmuEX0039268	chr14	59836599	59840254	59840412	59842030	+
Rcbtb2	MmuEX0039269	chr14	73576941	73578240	73578370	73582266	+
Rcbtb2	MmuEX0039270	chr14	73542995	73551340	73551422	73554122	+
Rcbtb2	MmuEX0039271	chr14	73562284	73564491	73564657	73566287	+
Rcbtb2	MmuEX0039272	chr14	73542995	73554127	73554215	73554638	+
Rcbtb2	MmuEX0039273	chr14	73542995	73554638	73554701	73561747	+
Rcbtb2	MmuEX0039274	chr14	73554701	73558195	73558252	73561747	+
Rcbtb2	MmuEX0039275	chr14	73554701	73560309	73560451	73561747	+
Rcc1	MmuEX0039276	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Rcc1	MmuEX0039277	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Rcc1	MmuEX0039278	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Rcc1	MmuEX0039279	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Rcc2	MmuEX0039281	chr4	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Rccd1	MmuEX0039283	chr7	87463912	87464132	87464227	87464978	-
Rccd1	MmuEX0039284	chr7	87462368	87463745	87463912	87464132	-
Rccd1	MmuEX0039285	chr7	87466067	87466163	87466229	87468636	-
Rccd1	MmuEX0039286	chr7	87464227	87465748	87466041	87468636	-
Rccd1	MmuEX0039288	chr7	87464227	87464978	87465099	87465188	-
Rce1	MmuEX0039289	chr19	4625096	4625193	4625295	4625433	-
Rce1	MmuEX0039290	chr19	4623576	4623826	4623897	4624014	-
Rce1	MmuEX0039291	chr19	4623242	4623501	4623563	4623826	-
Rchy1	MmuEX0039292	chr5	92382284	92384561	92384639	92386561	-
Rchy1	MmuEX0039293	chr5	92382137	92382240	92382284	92384561	-
Rchy1	MmuEX0039294	chr5	92387023	92389731	92390091	92391513	-
Rchy1	MmuEX0039295	chr5	92384639	92386904	92387023	92391513	-
Rchy1	MmuEX0039296	chr5	92384639	92386561	92386676	92391513	-
Rcl1	MmuEX0039297	chr19	29176130	29190213	29190284	29192715	+
Rcl1	MmuEX0039298	chr19	29202614	29205140	29205296	29208890	+
Rcl1	MmuEX0039299	chr19	29205296	29208890	29208993	29217632	+

Rcn2	MmuEX0039300	chr9	55890011	55890386	55890487	55900714	+
Rcn2	MmuEX0039301	chr9	55890487	55892939	55893135	55900714	+
Rcn3	MmuEX0039302	chr7	52344070	52346811	52347058	52347466	-
Rcor1	MmuEX0039303	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Rcor1	MmuEX0039304	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Rcor1	MmuEX0039305	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Rcor1	MmuEX0039306	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Rcor1	MmuEX0039307	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Rcor1	MmuEX0039308	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Rcor2	MmuEX0039309	chr19	7344671	7345044	7345096	7345188	+
Rcor2	MmuEX0039310	chr19	7345349	7345460	7345584	7345683	+
Rcor3	MmuEX0039311	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039312	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039313	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039314	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039315	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039316	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039317	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcor3	MmuEX0039318	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	-
Rcsd1	MmuEX0039319	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Rcsd1	MmuEX0039320	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Rcsd1	MmuEX0039321	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	-
Rdbp	MmuEX0039322	chr17	34987938	34989289	34989358	34989461	+
Rdh11	MmuEX0039323	chr12	80289623	80289976	80290094	80292713	-
Rdh13	MmuEX0039326	chr7	4386698	4390041	4390103	4394196	-
Rdh13	MmuEX0039327	chr7	4383236	4386596	4386700	4394196	-
Rdh13	MmuEX0039328	chr7	4394351	4395339	4395373	4395805	-
Rdh13	MmuEX0039329	chr7	4395923	4396580	4396724	4397016	-
Rdh5	MmuEX0039330	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Rdh5	MmuEX0039331	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Rdm1	MmuEX0039332	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Rdm1	MmuEX0039333	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Rdm1	MmuEX0039334	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Rdx	MmuEX0039335	chr9	51877008	51877720	51877883	51881259	+
Rdx	MmuEX0039336	chr9	51856537	51860724	51860872	51868937	+
Rdx	MmuEX0039337	chr9	51856537	51868937	51869008	51871683	+
Rdx	MmuEX0039338	chr9	51875549	51876235	51876381	51876912	+
Recql	MmuEX0039351	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Recql	MmuEX0039352	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Recql	MmuEX0039353	chr6	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Recql4	MmuEX0039356	chr15	76534826	76534906	76535086	76535164	-
Recql5	MmuEX0039361	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Recql5	MmuEX0039362	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Recql5	MmuEX0039363	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Recql5	MmuEX0039364	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Recql5	MmuEX0039365	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Recql5	MmuEX0039366	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-

RecqI5	MmuEX0039367	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
RecqI5	MmuEX0039368	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
RecqI5	MmuEX0039369	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
RecqI5	MmuEX0039370	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
RecqI5	MmuEX0039371	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Reep1	MmuEX0039372	chr6	71711435	71723182	71723302	71730716	+
Reep1	MmuEX0039373	chr6	71723302	71730716	71730829	71745141	+
Reep1	MmuEX0039374	chr6	71657995	71706358	71706430	71723182	+
Reep1	MmuEX0039375	chr6	71706430	71711359	71711435	71723182	+
Reep1	MmuEX0039376	chr6	71730829	71745141	71745318	71757785	+
Reep3	MmuEX0039378	chr10	66476534	66476836	66476912	66477650	-
Reep3	MmuEX0039379	chr10	66502325	66525747	66525819	66559538	-
Reep3	MmuEX0039380	chr10	66484641	66502249	66502325	66525747	-
Reep3	MmuEX0039381	chr10	66484641	66498633	66498753	66502249	-
Reep3	MmuEX0039382	chr10	66484641	66497347	66497460	66498633	-
Reep3	MmuEX0039383	chr10	66484641	66496819	66496861	66497347	-
Reep4	MmuEX0039384	chr14	70946813	70946922	70947042	70947474	+
Reep5	MmuEX0039385	chr18	34509457	34516746	34516884	34532059	-
Reep6	MmuEX0039386	chr10	79796572	79796711	79796879	79797855	+
Reep6	MmuEX0039387	chr10	79796879	79797458	79797538	79797855	+
Rel	MmuEX0039388	chr11	23657047	23661013	23661155	23670680	-
Rel	MmuEX0039389	chr11	23653308	23656899	23657047	23661013	-
Rel	MmuEX0039390	chr11	23648891	23653217	23653308	23656899	-
Rel	MmuEX0039391	chr11	23645850	23648751	23648891	23653217	-
Rela	MmuEX0039392	chr19	5639003	5639859	5639950	5640303	+
Relb	MmuEX0039393	chr7	20203268	20204863	20205191	20208275	-
Relb	MmuEX0039394	chr7	20206504	20208275	20208283	20213272	-
Relb	MmuEX0039395	chr7	20197049	20197166	20197234	20197854	-
Relb	MmuEX0039396	chr7	20201786	20203111	20203268	20204863	-
RelI1	MmuEX0039397	chr5	64316112	64317198	64317259	64318228	-
RelI1	MmuEX0039398	chr5	64329272	64330908	64331001	64359885	-
Relt	MmuEX0039410	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rem1	MmuEX0039411	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Rem1	MmuEX0039412	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Renbp	MmuEX0039415	chrX	71175601	71175747	71175856	71176053	-
Renbp	MmuEX0039416	chrX	71171686	71173152	71173327	71173618	-
Renbp	MmuEX0039417	chrX	71175419	71175526	71175601	71175747	-
Renbp	MmuEX0039418	chrX	71173699	71174455	71174679	71175020	-
Renbp	MmuEX0039419	chrX	71175192	71175344	71175419	71175747	-
Reps1	MmuEX0039420	chr10	17775921	17809254	17809377	17812651	+
Reps1	MmuEX0039421	chr10	17814714	17815988	17816142	17823960	+
Reps1	MmuEX0039422	chr10	17809377	17811992	17812111	17812651	+
Reps1	MmuEX0039423	chr10	17812847	17812976	17813129	17813585	+
Reps1	MmuEX0039424	chr10	17816142	17823960	17824081	17834205	+
Reps1	MmuEX0039425	chr10	17824081	17827477	17827554	17834205	+
Rer1	MmuEX0039433	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rere	MmuEX0039434	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+

Rere	MmuEX0039435	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039436	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039437	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039438	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039439	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039440	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039441	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039442	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039443	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Rere	MmuEX0039444	chr4	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Ret	MmuEX0039447	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Retsat	MmuEX0039450	chr6	72551711	72552649	72552850	72553648	+
Retsat	MmuEX0039451	chr6	72554979	72555966	72556104	72556379	+
Rev1	MmuEX0039452	chr1	38142497	38144816	38145519	38148908	-
Rev1	MmuEX0039454	chr1	38136243	38138004	38138203	38140549	-
Rev1	MmuEX0039455	chr1	38112369	38113562	38113727	38114519	-
Rev1	MmuEX0039456	chr1	38112369	38113109	38113311	38113562	-
Rev1	MmuEX0039457	chr1	38111710	38112136	38112369	38113109	-
Rev1	MmuEX0039458	chr1	38069277	38110929	38111140	38111590	-
Rev1	MmuEX0039459	chr1	38131288	38136135	38136240	38140549	-
Rev1	MmuEX0039460	chr1	38131288	38131744	38131868	38136135	-
Rev1	MmuEX0039461	chr1	38128342	38131160	38131288	38136135	-
Rev1	MmuEX0039462	chr1	38120180	38124345	38124464	38128188	-
Rev1	MmuEX0039463	chr1	38112369	38115967	38116139	38119960	-
Rev1	MmuEX0039464	chr1	38112369	38114519	38114621	38115967	-
Rev1	MmuEX0039466	chr1	38155866	38165249	38165312	38186307	-
Rev1	MmuEX0039467	chr1	38155866	38164413	38164539	38186307	-
Rev1	MmuEX0039468	chr1	38149060	38155698	38155866	38164413	-
Rev3l	MmuEX0039472	chr10	39563335	39565948	39566089	39566475	+
Rev3l	MmuEX0039473	chr10	39574614	39576379	39576521	39578913	+
Rev3l	MmuEX0039477	chr10	39548411	39549311	39549402	39550705	+
Rev3l	MmuEX0039478	chr10	39567889	39571083	39571209	39571673	+
Rev3l	MmuEX0039479	chr10	39571879	39574505	39574614	39578913	+
Rev3l	MmuEX0039480	chr10	39582637	39583544	39583734	39584400	+
Rexo1	MmuEX0039481	chr10	80009210	80010273	80010336	80010518	-
Rexo1	MmuEX0039482	chr10	80011278	80011810	80011934	80012078	-
Rexo1	MmuEX0039483	chr10	80006465	80006748	80006861	80007028	-
Rexo2	MmuEX0039484	chr9	48281726	48282566	48282618	48283225	-
Rexo2	MmuEX0039485	chr9	48283302	48287415	48287498	48288512	-
Rexo4	MmuEX0039486	chr2	26814087	26815744	26815937	26816123	-
Rexo4	MmuEX0039487	chr2	26811883	26813999	26814087	26816123	-
Rexo4	MmuEX0039488	chr2	26811089	26811809	26811883	26813999	-
Rfc1	MmuEX0039489	chr5	65704272	65710644	65710769	65726763	-
Rfc1	MmuEX0039490	chr5	65679308	65682326	65682433	65684897	-
Rfc1	MmuEX0039491	chr5	65676192	65679129	65679308	65682326	-
Rfc1	MmuEX0039492	chr5	65704272	65707273	65707344	65710644	-
Rfc1	MmuEX0039493	chr5	65668710	65669339	65669556	65669950	-

Rfc1	MmuEX0039494	chr5	65665709	65666621	65666758	65666929	-
Rfc1	MmuEX0039495	chr5	65663497	65663617	65663771	65665190	-
Rfc1	MmuEX0039496	chr5	65660332	65663380	65663497	65663617	-
Rfc1	MmuEX0039497	chr5	65688715	65693172	65693249	65694215	-
Rfc1	MmuEX0039498	chr5	65685174	65687193	65687283	65688638	-
Rfc2	MmuEX0039499	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Rfc2	MmuEX0039500	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Rfc2	MmuEX0039501	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Rfc4	MmuEX0039502	chr16	23114180	23114260	23114376	23114518	-
Rfc4	MmuEX0039503	chr16	23121061	23122303	23122373	23124609	-
Rfc4	MmuEX0039504	chr16	23118136	23120982	23121061	23124609	-
Rffl	MmuEX0039505	chr11	82626312	82631918	82632105	82659254	-
Rffl	MmuEX0039508	chr11	82623720	82624530	82624613	82625902	-
Rfng	MmuEX0039509	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rfng	MmuEX0039510	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rft1	MmuEX0039515	chr14	31487434	31490036	31490086	31490873	+
Rft1	MmuEX0039516	chr14	31492561	31495558	31495722	31495937	+
Rft1	MmuEX0039517	chr14	31476365	31479865	31480002	31487356	+
Rft1	MmuEX0039518	chr14	31490093	31490873	31491003	31492417	+
Rft1	MmuEX0039519	chr14	31492561	31495937	31496042	31502891	+
Rft1	MmuEX0039520	chr14	31467661	31471495	31471580	31473383	+
Rft1	MmuEX0039521	chr14	31471580	31471918	31472061	31473383	+
Rft1	MmuEX0039522	chr14	31471580	31473383	31473499	31476264	+
Rft1	MmuEX0039523	chr14	31473499	31474457	31474646	31476264	+
Rftn1	MmuEX0039524	chr17	50194952	50225893	50226001	50246395	-
Rftn1	MmuEX0039525	chr17	50142038	50143579	50143682	50176266	-
Rftn1	MmuEX0039526	chr17	50143682	50194562	50194952	50225893	-
Rftn1	MmuEX0039527	chr17	50143682	50186622	50186825	50225893	-
Rftn1	MmuEX0039528	chr17	50143682	50176266	50176381	50225893	-
Rftn2	MmuEX0039530	chr1	55263459	55270964	55271147	55282965	-
Rftn2	MmuEX0039531	chr1	55263459	55267994	55268105	55282965	-
Rfx1	MmuEX0039534	chr8	86590947	86603762	86603871	86604024	+
Rfx1	MmuEX0039535	chr8	86614968	86615265	86615377	86616434	+
Rfx1	MmuEX0039536	chr8	86619057	86619295	86619448	86619527	+
Rfx1	MmuEX0039537	chr8	86605121	86606547	86606660	86607981	+
Rfx1	MmuEX0039538	chr8	86608073	86608465	86608794	86609472	+
Rfx1	MmuEX0039539	chr8	86590947	86597630	86597968	86603762	+
Rfx1	MmuEX0039540	chr8	86606660	86607981	86608073	86609472	+
Rfx1	MmuEX0039541	chr8	86618775	86618894	86619057	86619295	+
Rfx2	MmuEX0039543	chr17	56943162	56943749	56943819	56944781	-
Rfx2	MmuEX0039546	chr17	56926151	56927002	56927183	56942901	-
Rfx2	MmuEX0039547	chr17	56924835	56926032	56926151	56927002	-
Rfx5	MmuEX0039563	chr3	94761220	94761704	94761807	94762172	+
Rfx7	MmuEX0039567	chr9	72380787	72424846	72424879	72439558	+
Rfx7	MmuEX0039568	chr9	72458195	72459428	72459635	72462844	+
Rfx7	MmuEX0039569	chr9	72424879	72439558	72439640	72441045	+
Rfxank	MmuEX0039570	chr8	72660189	72661928	72662122	72662820	-

Rfxank	MmuEX0039571	chr8	72657362	72658125	72658205	72658511	-
Rfxap	MmuEX0039572	chr3	54609389	54609674	54609760	54611121	-
Rg9mtd2	MmuEX0039574	chr3	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Rg9mtd3	MmuEX0039575	chr4	45310067	45312624	45312769	45313289	+
Rg9mtd3	MmuEX0039576	chr4	45318768	45320764	45320842	45321322	+
Rg9mtd3	MmuEX0039577	chr4	45310067	45313289	45313499	45318616	+
Rg9mtd3	MmuEX0039578	chr4	45310067	45314108	45314216	45318616	+
Rg9mtd3	MmuEX0039579	chr4	45314222	45317136	45317260	45318616	+
Rgl1	MmuEX0039581	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rgl1	MmuEX0039582	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rgl1	MmuEX0039583	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rgl1	MmuEX0039584	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rgl1	MmuEX0039585	chr1	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Rgl2	MmuEX0039586	chr17	34069163	34069266	34069316	34069399	+
Rgl2	MmuEX0039587	chr17	34070570	34070657	34070725	34070842	+
Rgl2	MmuEX0039588	chr17	34068754	34068985	34069163	34069266	+
Rgl2	MmuEX0039589	chr17	34066989	34067190	34067386	34068671	+
Rgl2	MmuEX0039590	chr17	34072601	34072685	34072978	34073808	+
Rgl3	MmuEX0039592	chr9	21778580	21778832	21778984	21780052	-
Rgl3	MmuEX0039593	chr9	21786187	21791943	21792157	21792295	-
Rgl3	MmuEX0039594	chr9	21792348	21792490	21792719	21793293	-
Rgnef	MmuEX0039597	chr13	98739284	98740270	98740325	98747986	-
Rgnef	MmuEX0039599	chr13	98706816	98709415	98709515	98712408	-
Rgnef	MmuEX0039600	chr13	98821081	98823746	98823929	98844954	-
Rgp1	MmuEX0039601	chr4	43594187	43594359	43594548	43595732	+
Rgp1	MmuEX0039602	chr4	43592895	43593168	43593251	43593349	+
Rgp1	MmuEX0039603	chr4	43592381	43592759	43592895	43593168	+
Rgs10	MmuEX0039605	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Rgs10	MmuEX0039606	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Rgs12	MmuEX0039618	chr5	35367002	35368498	35368692	35368977	+
Rgs12	MmuEX0039619	chr5	35369638	35371032	35371092	35371185	+
Rgs12	MmuEX0039620	chr5	35317982	35341857	35341878	35361992	+
Rgs12	MmuEX0039621	chr5	35372739	35373117	35373270	35374520	+
Rgs12	MmuEX0039622	chr5	35341878	35361992	35362161	35362963	+
Rgs12	MmuEX0039623	chr5	35362161	35362963	35363055	35366926	+
Rgs12	MmuEX0039624	chr5	35363055	35363776	35363908	35366926	+
Rgs12	MmuEX0039625	chr5	35363908	35365241	35365420	35366926	+
Rgs12	MmuEX0039626	chr5	35365420	35365678	35365831	35366926	+
Rgs14	MmuEX0039635	chr13	55471297	55479581	55479759	55480063	+
Rgs19	MmuEX0039641	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Rgs19	MmuEX0039642	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Rgs19	MmuEX0039643	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Rgs3	MmuEX0039657	chr4	62280821	62284879	62284960	62286131	+
Rgs3	MmuEX0039658	chr4	62307761	62308475	62308681	62313748	+
Rgs6	MmuEX0039662	chr12	84217286	84234642	84234731	84258908	+
Rgs6	MmuEX0039663	chr12	84234731	84238373	84238426	84258908	+
Rgs6	MmuEX0039664	chr12	84152372	84153479	84153530	84160733	+

Rgs6	MmuEX0039665	chr12	83752899	84086282	84086381	84148546	+
Rgs6	MmuEX0039666	chr12	84170580	84171585	84171646	84192735	+
Rgs7	MmuEX0039669	chr1	1.77E+08	1.77E+08	1.77E+08	1.77E+08	-
Rgs7	MmuEX0039670	chr1	1.77E+08	1.77E+08	1.77E+08	1.77E+08	-
Rgs7	MmuEX0039671	chr1	1.77E+08	1.77E+08	1.77E+08	1.77E+08	-
Rhbdd1	MmuEX0039684	chr1	82313223	82331376	82331556	82336894	+
Rhbdd1	MmuEX0039685	chr1	82337405	82339305	82339437	82364867	+
Rhbdd1	MmuEX0039686	chr1	82364955	82366909	82366965	82374136	+
Rhbdd1	MmuEX0039687	chr1	82313223	82336894	82337405	82339305	+
Rhbdd2	MmuEX0039688	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rhbdd2	MmuEX0039689	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rhbdd2	MmuEX0039690	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rhbdd2	MmuEX0039691	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rhbdd2	MmuEX0039692	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Rhbdd3	MmuEX0039693	chr11	4999569	4999751	4999901	5000400	+
Rhbdd3	MmuEX0039694	chr11	5000590	5001339	5001419	5001872	+
Rhbdd3	MmuEX0039695	chr11	5001908	5003164	5003352	5005436	+
Rhbdd3	MmuEX0039696	chr11	5003352	5004024	5004407	5005436	+
Rhbdd3	MmuEX0039697	chr11	5004407	5005188	5005316	5005436	+
Rhbdf1	MmuEX0039698	chr11	32113517	32113952	32114109	32114182	-
Rhbdf1	MmuEX0039699	chr11	32112784	32112868	32112942	32113052	-
Rhbdf1	MmuEX0039700	chr11	32111205	32111582	32111645	32111920	-
Rhbdf1	MmuEX0039701	chr11	32112942	32113052	32113163	32113260	-
Rhbdf1	MmuEX0039702	chr11	32115123	32115576	32115680	32115934	-
Rhbdf1	MmuEX0039703	chr11	32110758	32110827	32110902	32111111	-
Rhbdf1	MmuEX0039704	chr11	32110551	32110708	32110758	32110827	-
Rhbdf2	MmuEX0039705	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rhbdf2	MmuEX0039706	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rhbdl1	MmuEX0039707	chr17	25973138	25973356	25973517	25973933	-
Rhbdl1	MmuEX0039708	chr17	25972142	25972222	25972322	25972415	-
Rhbdl3	MmuEX0039714	chr11	80116189	80133060	80133218	80136861	+
Rhbdl3	MmuEX0039715	chr11	80144207	80145297	80145409	80150989	+
Rheb	MmuEX0039721	chr5	24313622	24314171	24314253	24319616	-
Rheb	MmuEX0039722	chr5	24323649	24328762	24328911	24347703	-
Rhebl1	MmuEX0039723	chr15	98709918	98710208	98710275	98710939	-
Rhebl1	MmuEX0039724	chr15	98709746	98709836	98709918	98710208	-
Rhebl1	MmuEX0039725	chr15	98709024	98709439	98709486	98709690	-
Rhebl1	MmuEX0039726	chr15	98708728	98708884	98708965	98709439	-
Rhobtb1	MmuEX0039729	chr10	68678100	68682195	68682287	68711519	+
Rhobtb1	MmuEX0039730	chr10	68712476	68723935	68723993	68728935	+
Rhobtb1	MmuEX0039731	chr10	68712476	68728935	68729120	68732651	+
Rhobtb2	MmuEX0039732	chr14	70187770	70188439	70188527	70193711	-
Rhobtb2	MmuEX0039734	chr14	70199588	70200175	70200238	70200425	-
Rhobtb2	MmuEX0039735	chr14	70197099	70197946	70198131	70199485	-
Rhobtb3	MmuEX0039736	chr13	76009909	76013619	76013715	76014821	-
Rhobtb3	MmuEX0039737	chr13	76055295	76057201	76057427	76076900	-
Rhobtb3	MmuEX0039738	chr13	76009909	76011902	76011993	76013619	-

Rhobtb3	MmuEX0039739	chr13	76055295	76076900	76077086	76080655	-
Rhobtb3	MmuEX0039740	chr13	76014987	76016350	76016418	76030354	-
Rhoc	MmuEX0039741	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Rhod	MmuEX0039742	chr19	4426256	4426627	4426761	4432055	-
Rhoj	MmuEX0039743	chr12	76409988	76476335	76476393	76492666	+
Rhoj	MmuEX0039744	chr12	76492830	76494956	76495051	76501094	+
Rhoq	MmuEX0039745	chr17	87394063	87394344	87394439	87396245	+
Rhot1	MmuEX0039746	chr11	80022825	80026522	80026569	80033760	+
Rhot1	MmuEX0039747	chr11	80060314	80061940	80062040	80063710	+
Rhot1	MmuEX0039748	chr11	80062040	80063710	80063840	80064545	+
Rhot1	MmuEX0039749	chr11	80063840	80064545	80064628	80066469	+
Rhot1	MmuEX0039750	chr11	80068364	80069364	80069459	80071016	+
Rhot1	MmuEX0039751	chr11	80068364	80071016	80071138	80079244	+
Rhot1	MmuEX0039752	chr11	80071138	80077746	80077889	80079244	+
Rhot1	MmuEX0039753	chr11	80039618	80040782	80040834	80046884	+
Rhot2	MmuEX0039754	chr17	25978612	25978702	25978800	25978935	-
Rhot2	MmuEX0039755	chr17	25978427	25978504	25978612	25978702	-
Rhot2	MmuEX0039756	chr17	25976836	25976930	25977052	25977200	-
Rhot2	MmuEX0039757	chr17	25978800	25978935	25979036	25979125	-
Rhot2	MmuEX0039758	chr17	25979233	25979311	25979363	25980052	-
Rhou	MmuEX0039759	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Rhox2g	MmuEX0039761	chrX	35053849	35055664	35055709	35057293	-
Rhpn2	MmuEX0039770	chr7	36119430	36138751	36138866	36145999	+
Rhpn2	MmuEX0039771	chr7	36161366	36161993	36162149	36164584	+
Rhpn2	MmuEX0039772	chr7	36138866	36140348	36140459	36145999	+
Rhpn2	MmuEX0039773	chr7	36166550	36168988	36169064	36169657	+
Rhpn2	MmuEX0039774	chr7	36169064	36169657	36169803	36170346	+
Ric8	MmuEX0039779	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ric8	MmuEX0039780	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ric8	MmuEX0039781	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Ric8b	MmuEX0039782	chr10	84464646	84467524	84467607	84471402	+
Ric8b	MmuEX0039783	chr10	84471538	84472197	84472372	84477821	+
Ric8b	MmuEX0039784	chr10	84380570	84388291	84388338	84410157	+
Ric8b	MmuEX0039785	chr10	84388338	84410157	84410765	84420761	+
Ric8b	MmuEX0039786	chr10	84410765	84420761	84420855	84432608	+
Ric8b	MmuEX0039787	chr10	84432836	84433474	84433569	84442793	+
Ric8b	MmuEX0039788	chr10	84433569	84442793	84442937	84454865	+
Ric8b	MmuEX0039789	chr10	84442937	84454865	84455009	84477821	+
Ric8b	MmuEX0039790	chr10	84455009	84464527	84464646	84477821	+
Rictor	MmuEX0039791	chr15	6658451	6658633	6658680	6685365	+
Rictor	MmuEX0039792	chr15	6714347	6715052	6715119	6718054	+
Rictor	MmuEX0039794	chr15	6715119	6718054	6718136	6719246	+
Rictor	MmuEX0039796	chr15	6744132	6744445	6744568	6745896	+
Rictor	MmuEX0039797	chr15	6744568	6744980	6745228	6745896	+
Rictor	MmuEX0039798	chr15	6706587	6709488	6709657	6714280	+
Rictor	MmuEX0039799	chr15	6737381	6737650	6737721	6739431	+
Rictor	MmuEX0039800	chr15	6658680	6685365	6685462	6694328	+

Rictor	MmuEX0039801	chr15	6694392	6695449	6695580	6700658	+
Rictor	MmuEX0039802	chr15	6695580	6700658	6700721	6706461	+
Rif1	MmuEX0039803	chr2	51938323	51940547	51940698	51944168	+
Rif1	MmuEX0039804	chr2	51940698	51944168	51944285	51945044	+
Rif1	MmuEX0039805	chr2	51945091	51945093	51945208	51945694	+
Rif1	MmuEX0039809	chr2	51954472	51958953	51959217	51960066	+
Rif1	MmuEX0039810	chr2	51963277	51963960	51964111	51964712	+
Rif1	MmuEX0039811	chr2	51961157	51962421	51962520	51963158	+
Rif1	MmuEX0039813	chr2	51964111	51964712	51964795	51964871	+
Rif1	MmuEX0039814	chr2	51972470	51974537	51974690	51975780	+
Rif1	MmuEX0039817	chr2	51950182	51951342	51951522	51953437	+
Rif1	MmuEX0039818	chr2	51964795	51964871	51964922	51965431	+
Rif1	MmuEX0039819	chr2	51971914	51972188	51972265	51972355	+
Rilp	MmuEX0039827	chr11	75325404	75325853	75325936	75326201	+
Rilp	MmuEX0039828	chr11	75324509	75324791	75324936	75325282	+
Rilpl1	MmuEX0039829	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Rilpl1	MmuEX0039830	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Rilpl1	MmuEX0039831	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Rin2	MmuEX0039882	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Rin2	MmuEX0039883	chr2	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Rin3	MmuEX0039884	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rin3	MmuEX0039885	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rin3	MmuEX0039886	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rin3	MmuEX0039887	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rin3	MmuEX0039888	chr12	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Ring1	MmuEX0039889	chr17	34158901	34159241	34159630	34159924	-
Ring1	MmuEX0039890	chr17	34160398	34161234	34161363	34161455	-
Rint1	MmuEX0039894	chr5	23313013	23315602	23315712	23315787	+
Rint1	MmuEX0039895	chr5	23316012	23316715	23316852	23317528	+
Rint1	MmuEX0039896	chr5	23300305	23306413	23306654	23311128	+
Rint1	MmuEX0039897	chr5	23294153	23300121	23300305	23306413	+
Rint1	MmuEX0039898	chr5	23306654	23311128	23311301	23311389	+
Rint1	MmuEX0039899	chr5	23317727	23321470	23321684	23322557	+
Riok1	MmuEX0039900	chr13	38129497	38129620	38129890	38131942	+
Riok1	MmuEX0039901	chr13	38135010	38135778	38135847	38139114	+
Riok1	MmuEX0039902	chr13	38135847	38137142	38137184	38139114	+
Riok1	MmuEX0039903	chr13	38137184	38138720	38138776	38139114	+
Riok2	MmuEX0039904	chr17	17511634	17513710	17513800	17514683	+
Riok2	MmuEX0039905	chr17	17511634	17514683	17514821	17515447	+
Riok2	MmuEX0039906	chr17	17520338	17521848	17522039	17522545	+
Riok2	MmuEX0039907	chr17	17522637	17524028	17524537	17526932	+
Riok3	MmuEX0039908	chr18	12295858	12296354	12296447	12297826	+
Riok3	MmuEX0039909	chr18	12297969	12301445	12301572	12307300	+
Riok3	MmuEX0039910	chr18	12297969	12307300	12307354	12311308	+
Riok3	MmuEX0039911	chr18	12297969	12308028	12308187	12311308	+
Riok3	MmuEX0039912	chr18	12311569	12312422	12312529	12313729	+
Ripk1	MmuEX0039913	chr13	34105256	34106417	34106528	34106995	+

Ripk1	MmuEX0039914	chr13	34109015	34113250	34113326	34118611	+
Ripk2	MmuEX0039915	chr4	16082337	16084719	16084795	16085424	-
Ripk2	MmuEX0039916	chr4	16079221	16082182	16082337	16085424	-
Ripk2	MmuEX0039917	chr4	16079221	16081312	16081403	16082182	-
Ripk2	MmuEX0039918	chr4	16066401	16079064	16079221	16082182	-
Ripk2	MmuEX0039919	chr4	16065382	16066352	16066401	16079064	-
Ripk2	MmuEX0039920	chr4	16056256	16058670	16058793	16059924	-
Ripk2	MmuEX0039921	chr4	16054861	16056170	16056256	16059924	-
Ripk3	MmuEX0039922	chr14	56405997	56406119	56406276	56406661	-
Ripk3	MmuEX0039923	chr14	56405761	56405951	56405997	56406119	-
Ripk3	MmuEX0039924	chr14	56404188	56404320	56404556	56404699	-
Rit1	MmuEX0039927	chr3	88529990	88530094	88530101	88530202	+
Rif	MmuEX0039929	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rif	MmuEX0039930	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rif	MmuEX0039931	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rif	MmuEX0039932	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rif	MmuEX0039933	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rif	MmuEX0039934	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rlim	MmuEX0039935	chrX	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rlim	MmuEX0039936	chrX	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Rmnd1	MmuEX0039942	chr10	5927985	5928218	5928795	5929324	+
Rmnd1	MmuEX0039943	chr10	5914477	5917370	5917464	5918850	+
Rmnd1	MmuEX0039944	chr10	5917464	5918076	5918132	5918850	+
Rmnd5a	MmuEX0039945	chr6	71363344	71364779	71364913	71379012	-
Rmnd5a	MmuEX0039946	chr6	71349287	71363244	71363344	71364779	-
Rmnd5a	MmuEX0039947	chr6	71343182	71344619	71344773	71346846	-
Rmnd5b	MmuEX0039948	chr11	51443163	51448136	51448245	51449092	-
Rmnd5b	MmuEX0039949	chr11	51441527	51442978	51443163	51449092	-
Rmnd5b	MmuEX0039950	chr11	51438148	51439171	51439336	51440238	-
Rmnd5b	MmuEX0039951	chr11	51441264	51441382	51441527	51442978	-
Rnaseh1	MmuEX0039961	chr12	29334681	29336890	29337005	29337928	+
Rnaseh1	MmuEX0039962	chr12	29340549	29342137	29342191	29342498	+
Rnaseh1	MmuEX0039963	chr12	29342582	29343036	29343160	29343858	+
Rnaseh2a	MmuEX0039964	chr8	87490186	87491562	87491767	87493185	-
Rnaseh2b	MmuEX0039965	chr14	62969313	62972360	62972474	62979300	+
Rnaseh2b	MmuEX0039966	chr14	62972474	62979300	62979364	62980166	+
Rnaseh2b	MmuEX0039967	chr14	62984138	62989309	62989389	62991197	+
Rnaseh2b	MmuEX0039968	chr14	62965479	62967399	62967465	62969237	+
Rnaseh2c	MmuEX0039969	chr19	5602080	5602193	5602374	5602450	+
Rnasel	MmuEX0039971	chr1	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rnd1	MmuEX0039974	chr15	98501273	98502942	98503076	98504277	-
Rnf10	MmuEX0039975	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf10	MmuEX0039976	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf10	MmuEX0039977	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf10	MmuEX0039978	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf10	MmuEX0039979	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf10	MmuEX0039980	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-

Rnf103	MmuEX0039981	chr6	71444882	71446825	71446964	71455728	+
Rnf103	MmuEX0039982	chr6	71446964	71455728	71455843	71458863	+
Rnf111	MmuEX0039983	chr9	70324475	70350747	70350809	70351266	-
Rnf111	MmuEX0039984	chr9	70306960	70309167	70309483	70317162	-
Rnf111	MmuEX0039985	chr9	70301624	70305631	70305825	70306797	-
Rnf111	MmuEX0039986	chr9	70298348	70301308	70301624	70305631	-
Rnf114	MmuEX0039988	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Rnf115	MmuEX0039989	chr3	96579764	96587571	96587642	96588916	+
Rnf115	MmuEX0039990	chr3	96561957	96569568	96569680	96579553	+
Rnf115	MmuEX0039991	chr3	96531833	96558258	96558316	96579553	+
Rnf115	MmuEX0039992	chr3	96558316	96559076	96559127	96561900	+
Rnf115	MmuEX0039993	chr3	96531833	96561900	96561957	96579553	+
Rnf115	MmuEX0039994	chr3	96561957	96563631	96563685	96579553	+
Rnf121	MmuEX0039995	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Rnf121	MmuEX0039996	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Rnf121	MmuEX0039997	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Rnf122	MmuEX0039998	chr8	32222644	32228903	32229059	32235324	+
Rnf123	MmuEX0039999	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rnf123	MmuEX0040000	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rnf123	MmuEX0040001	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rnf123	MmuEX0040002	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rnf123	MmuEX0040003	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rnf123	MmuEX0040004	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Rnf126	MmuEX0040005	chr10	79223827	79223956	79224056	79224175	-
Rnf126	MmuEX0040006	chr10	79223827	79224175	79224244	79224310	-
Rnf13	MmuEX0040007	chr3	57540122	57565868	57566131	57568179	+
Rnf13	MmuEX0040008	chr3	57600217	57605640	57605836	57606369	+
Rnf13	MmuEX0040009	chr3	57568304	57568489	57568621	57572962	+
Rnf13	MmuEX0040010	chr3	57540122	57551813	57551956	57568179	+
Rnf13	MmuEX0040011	chr3	57540122	57568179	57568304	57572962	+
Rnf13	MmuEX0040012	chr3	57568304	57572962	57573042	57583305	+
Rnf13	MmuEX0040013	chr3	57573042	57583305	57583430	57624429	+
Rnf13	MmuEX0040014	chr3	57583430	57600120	57600207	57624429	+
Rnf13	MmuEX0040015	chr3	57600217	57606369	57606459	57624429	+
Rnf13	MmuEX0040016	chr3	57606459	57610944	57611049	57624429	+
Rnf13	MmuEX0040017	chr3	57611049	57624429	57624522	57636886	+
Rnf130	MmuEX0040018	chr11	49884923	49899243	49899314	49900881	+
Rnf130	MmuEX0040019	chr11	49900963	49907225	49907321	49909278	+
Rnf130	MmuEX0040020	chr11	49909482	49912748	49912841	49918051	+
Rnf130	MmuEX0040021	chr11	49866472	49884673	49884714	49899243	+
Rnf130	MmuEX0040022	chr11	49866472	49884862	49884923	49899243	+
Rnf135	MmuEX0040023	chr11	79997757	80002726	80002869	80007388	+
Rnf135	MmuEX0040024	chr11	80002869	80007388	80007550	80010375	+
Rnf138	MmuEX0040025	chr18	21160670	21167226	21167391	21169178	+
Rnf138	MmuEX0040026	chr18	21169293	21174157	21174228	21176320	+
Rnf138	MmuEX0040027	chr18	21179500	21182910	21183017	21184587	+
Rnf138	MmuEX0040028	chr18	21183017	21183913	21184016	21184587	+

Rnf138	MmuEX0040029	chr18	21167391	21169178	21169293	21176320	+
Rnf138	MmuEX0040030	chr18	21169293	21176320	21176376	21179389	+
Rnf14	MmuEX0040031	chr18	38456452	38457154	38457229	38457963	+
Rnf14	MmuEX0040032	chr18	38456452	38457963	38458049	38459408	+
Rnf14	MmuEX0040033	chr18	38456452	38459408	38459580	38460083	+
Rnf14	MmuEX0040034	chr18	38460244	38460774	38460928	38461310	+
Rnf14	MmuEX0040035	chr18	38468049	38469139	38469367	38472866	+
Rnf14	MmuEX0040036	chr18	38473038	38474327	38474457	38476179	+
Rnf14	MmuEX0040037	chr18	38460244	38461310	38461461	38467519	+
Rnf14	MmuEX0040038	chr18	38461461	38467519	38468049	38469139	+
Rnf141	MmuEX0040039	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Rnf141	MmuEX0040040	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Rnf144a	MmuEX0040043	chr12	27074440	27090184	27090257	27099966	-
Rnf144a	MmuEX0040044	chr12	27024316	27074259	27074440	27090184	-
Rnf144a	MmuEX0040045	chr12	27012472	27024171	27024316	27074259	-
Rnf144a	MmuEX0040046	chr12	27012203	27012368	27012472	27024171	-
Rnf144b	MmuEX0040047	chr13	47302919	47315863	47315967	47324309	+
Rnf145	MmuEX0040048	chr11	44344886	44356131	44356222	44362266	+
Rnf145	MmuEX0040049	chr11	44375323	44375576	44375584	44377422	+
Rnf145	MmuEX0040050	chr11	44338645	44344778	44344886	44356131	+
Rnf146	MmuEX0040051	chr10	29074253	29081091	29081151	29081770	-
Rnf146	MmuEX0040052	chr10	29067689	29074098	29074253	29081091	-
Rnf149	MmuEX0040053	chr1	39622177	39628703	39628784	39633553	-
Rnf149	MmuEX0040054	chr1	39612515	39615160	39615256	39617538	-
Rnf149	MmuEX0040055	chr1	39609360	39612323	39612515	39617538	-
Rnf150	MmuEX0040056	chr8	85514496	85527474	85527545	85530229	+
Rnf150	MmuEX0040057	chr8	85388389	85514246	85514496	85527474	+
Rnf150	MmuEX0040058	chr8	85530311	85559924	85560020	85566471	+
Rnf157	MmuEX0040060	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf157	MmuEX0040061	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf157	MmuEX0040062	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf157	MmuEX0040063	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf157	MmuEX0040064	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf157	MmuEX0040065	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf157	MmuEX0040066	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rnf166	MmuEX0040068	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Rnf167	MmuEX0040069	chr11	70461454	70461531	70461611	70462723	+
Rnf167	MmuEX0040070	chr11	70461611	70461910	70462094	70462723	+
Rnf168	MmuEX0040071	chr16	32289326	32291522	32291612	32291989	+
Rnf168	MmuEX0040072	chr16	32282473	32285456	32285635	32289205	+
Rnf169	MmuEX0040073	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rnf169	MmuEX0040074	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rnf169	MmuEX0040075	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rnf169	MmuEX0040076	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Rnf181	MmuEX0040095	chr6	72311220	72311406	72311533	72312235	-
Rnf181	MmuEX0040096	chr6	72310636	72310869	72310943	72311111	-
Rnf185	MmuEX0040101	chr11	3319982	3325285	3325339	3326569	-

Rnf185	MmuEX0040102	chr11	3332623	3338208	3338326	3352212	-
Rnf185	MmuEX0040103	chr11	3326681	3332403	3332623	3352212	-
Rnf185	MmuEX0040104	chr11	3326681	3328887	3328905	3332403	-
Rnf187	MmuEX0040105	chr11	58747733	58750642	58750734	58751897	-
Rnf19a	MmuEX0040106	chr15	36182918	36184138	36184282	36189770	-
Rnf19a	MmuEX0040107	chr15	36173985	36175171	36175384	36176877	-
Rnf19a	MmuEX0040108	chr15	36171820	36173842	36173985	36175171	-
Rnf19b	MmuEX0040109	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Rnf2	MmuEX0040110	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Rnf2	MmuEX0040111	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Rnf2	MmuEX0040112	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Rnf2	MmuEX0040113	chr1	1.53E+08	1.53E+08	1.53E+08	1.53E+08	-
Rnf20	MmuEX0040114	chr4	49665543	49665937	49666149	49667063	+
Rnf20	MmuEX0040115	chr4	49666149	49667063	49667188	49667319	+
Rnf207	MmuEX0040116	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040117	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040118	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040119	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040120	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040121	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040122	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040123	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040124	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf207	MmuEX0040125	chr4	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Rnf213	MmuEX0040139	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rnf213	MmuEX0040140	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rnf213	MmuEX0040141	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rnf213	MmuEX0040142	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rnf213	MmuEX0040143	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rnf213	MmuEX0040144	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Rnf214	MmuEX0040146	chr9	45708339	45712889	45713002	45714435	-
Rnf214	MmuEX0040147	chr9	45706574	45708294	45708339	45712889	-
Rnf214	MmuEX0040148	chr9	45674744	45675030	45675134	45675583	-
Rnf214	MmuEX0040149	chr9	45675715	45675822	45676198	45677262	-
Rnf215	MmuEX0040150	chr11	4035566	4036563	4036800	4039742	+
Rnf215	MmuEX0040151	chr11	4035566	4035817	4035960	4036563	+
Rnf215	MmuEX0040152	chr11	4036800	4037312	4037371	4039742	+
Rnf216	MmuEX0040153	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rnf216	MmuEX0040154	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rnf216	MmuEX0040155	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rnf216	MmuEX0040156	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rnf217	MmuEX0040157	chr10	31237354	31254469	31254702	31328190	-
Rnf219	MmuEX0040158	chr14	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Rnf219	MmuEX0040159	chr14	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Rnf219	MmuEX0040161	chr14	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Rnf220	MmuEX0040162	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Rnf220	MmuEX0040163	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-

Rnf24	MmuEX0040164	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Rnf25	MmuEX0040167	chr1	74642342	74642440	74642511	74644936	-
Rnf25	MmuEX0040168	chr1	74641268	74641783	74641872	74642205	-
Rnf25	MmuEX0040169	chr1	74645419	74645640	74645714	74647807	-
Rnf31	MmuEX0040170	chr14	56211453	56211670	56211729	56211843	+
Rnf31	MmuEX0040171	chr14	56220000	56220116	56220234	56220479	+
Rnf31	MmuEX0040172	chr14	56220592	56220718	56220775	56221440	+
Rnf31	MmuEX0040173	chr14	56213309	56213760	56214138	56214307	+
Rnf31	MmuEX0040174	chr14	56220775	56221440	56221536	56222093	+
Rnf34	MmuEX0040180	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Rnf34	MmuEX0040181	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Rnf38	MmuEX0040182	chr4	44162110	44165232	44165425	44200321	-
Rnf38	MmuEX0040183	chr4	44151703	44155167	44155337	44156320	-
Rnf38	MmuEX0040184	chr4	44150533	44151542	44151703	44155167	-
Rnf38	MmuEX0040185	chr4	44142528	44144416	44144515	44146512	-
Rnf38	MmuEX0040186	chr4	44165425	44171877	44171924	44200227	-
Rnf38	MmuEX0040187	chr4	44156487	44161897	44162110	44165232	-
Rnf40	MmuEX0040189	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Rnf40	MmuEX0040190	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Rnf41	MmuEX0040191	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Rnf41	MmuEX0040192	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Rnf41	MmuEX0040193	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Rnf41	MmuEX0040194	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Rnf41	MmuEX0040195	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Rnf41	MmuEX0040196	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Rnf5	MmuEX0040201	chr17	34738611	34738686	34738803	34738879	-
Rnf5	MmuEX0040202	chr17	34738803	34738879	34738933	34739030	-
Rnf6	MmuEX0040203	chr5	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Rnf8	MmuEX0040204	chr17	29752023	29756239	29756865	29758454	+
Rnf8	MmuEX0040205	chr17	29771713	29772763	29772967	29778161	+
Rnf8	MmuEX0040206	chr17	29768705	29771216	29771410	29771606	+
Rnf8	MmuEX0040207	chr17	29752023	29758454	29758582	29763451	+
Rnf8	MmuEX0040208	chr17	29765967	29768616	29768705	29771606	+
Rnft1	MmuEX0040209	chr11	86298301	86298453	86298719	86299563	+
Rnft1	MmuEX0040210	chr11	86302669	86303860	86304013	86305181	+
Rnft1	MmuEX0040211	chr11	86300007	86300158	86300234	86302569	+
Rnft2	MmuEX0040214	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Rnft2	MmuEX0040215	chr5	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Rngtt	MmuEX0040217	chr4	33397499	33407494	33407603	33411849	+
Rngtt	MmuEX0040218	chr4	33443171	33444992	33445030	33449855	+
Rngtt	MmuEX0040219	chr4	33466412	33476054	33476146	33491128	+
Rngtt	MmuEX0040220	chr4	33466412	33479690	33479746	33491128	+
Rngtt	MmuEX0040221	chr4	33449926	33455548	33455712	33466344	+
Rngtt	MmuEX0040222	chr4	33455712	33466344	33466412	33491128	+
Rngtt	MmuEX0040223	chr4	33466412	33491128	33491228	33530576	+
Rngtt	MmuEX0040224	chr4	33491228	33530576	33530642	33585926	+
Rngtt	MmuEX0040225	chr4	33407603	33410630	33410813	33411849	+

Rngtt	MmuEX0040226	chr4	33397499	33411849	33411952	33443036	+
Rngtt	MmuEX0040227	chr4	33397499	33412034	33412122	33416495	+
Rngtt	MmuEX0040228	chr4	33397499	33416495	33416570	33417817	+
Rngtt	MmuEX0040229	chr4	33397499	33417817	33418057	33443036	+
Rngtt	MmuEX0040230	chr4	33397499	33443036	33443171	33587213	+
Rnh1	MmuEX0040231	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Rnls	MmuEX0040232	chr19	33277138	33456857	33457015	33464407	-
Rnls	MmuEX0040233	chr19	33242987	33276965	33277138	33456857	-
Rnls	MmuEX0040234	chr19	33457015	33464407	33464549	33465570	-
Rnmt	MmuEX0040235	chr18	68473806	68474511	68474645	68477648	+
Rnmt	MmuEX0040236	chr18	68473806	68477648	68477765	68478772	+
Rnmt	MmuEX0040237	chr18	68463149	68464651	68464772	68465434	+
Rnmt	MmuEX0040238	chr18	68473500	68473642	68473806	68477648	+
Rnmt	MmuEX0040239	chr18	68460277	68463086	68463149	68465434	+
Rnmt	MmuEX0040240	chr18	68460277	68468975	68469100	68473319	+
Rnpep	MmuEX0040241	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Rnpep	MmuEX0040242	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Rnpep	MmuEX0040243	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Rnpepl1	MmuEX0040244	chr1	94811776	94812401	94812542	94812932	+
Rnpepl1	MmuEX0040245	chr1	94813523	94813724	94813837	94814211	+
Rnpepl1	MmuEX0040246	chr1	94815680	94815761	94815903	94816139	+
Rnps1	MmuEX0040247	chr17	24551689	24551986	24552107	24554983	+
Rnps1	MmuEX0040248	chr17	24552450	24555015	24555163	24555402	+
Rnps1	MmuEX0040249	chr17	24551689	24555402	24555557	24557151	+
Robld3	MmuEX0040251	chr3	88354707	88356277	88356439	88356652	-
Robo4	MmuEX0040268	chr9	37210894	37211028	37211148	37211659	+
Robo4	MmuEX0040269	chr9	37209736	37210140	37210412	37210737	+
Rock1	MmuEX0040270	chr18	10073183	10073655	10073698	10079113	-
Rock1	MmuEX0040271	chr18	10073183	10079113	10079272	10080344	-
Rock2	MmuEX0040272	chr12	16960226	16960389	16960538	16961713	+
Rock2	MmuEX0040273	chr12	16960226	16960897	16960985	16961713	+
Rock2	MmuEX0040274	chr12	16935840	16941047	16941152	16947209	+
Rock2	MmuEX0040275	chr12	16935840	16941957	16942124	16947209	+
Rock2	MmuEX0040276	chr12	16965237	16965434	16965680	16966208	+
Rock2	MmuEX0040277	chr12	16979955	16981648	16981718	16982276	+
Rock2	MmuEX0040278	chr12	16984908	16989457	16989553	16991444	+
Rock2	MmuEX0040279	chr12	16955408	16957378	16957516	16959302	+
Rock2	MmuEX0040280	chr12	16961773	16962476	16962487	16964032	+
Rock2	MmuEX0040281	chr12	16966314	16968422	16968581	16971817	+
Rock2	MmuEX0040282	chr12	16979955	16980246	16980416	16981648	+
Rock2	MmuEX0040283	chr12	16902136	16933745	16933826	16947209	+
Rock2	MmuEX0040284	chr12	16933826	16935740	16935840	16947209	+
Rod1	MmuEX0040285	chr4	59494450	59495417	59495509	59498211	-
Rod1	MmuEX0040286	chr4	59537348	59559021	59559054	59562020	-
Rod1	MmuEX0040287	chr4	59514346	59537276	59537348	59562020	-
Rod1	MmuEX0040288	chr4	59507482	59514182	59514346	59527146	-
Rogdi	MmuEX0040289	chr16	5009345	5009571	5009697	5009994	-

Rogdi	MmuEX0040290	chr16	5008560	5012520	5012602	5013343	-
Rogdi	MmuEX0040291	chr16	5008560	5012334	5012388	5013343	-
Rogdi	MmuEX0040292	chr16	5008560	5011705	5011785	5013343	-
Rogdi	MmuEX0040293	chr16	5008560	5010940	5010989	5013343	-
Rogdi	MmuEX0040294	chr16	5008560	5010560	5010658	5013343	-
Rogdi	MmuEX0040295	chr16	5008560	5010133	5010246	5013343	-
Rogdi	MmuEX0040296	chr16	5008560	5009994	5010043	5010133	-
Ror1	MmuEX0040299	chr4	1E+08	1E+08	1E+08	1E+08	+
Rorc	MmuEX0040305	chr3	94193518	94194996	94195128	94196929	+
Rorc	MmuEX0040306	chr3	94193518	94195302	94195409	94196929	+
Rorc	MmuEX0040307	chr3	94193518	94195567	94195677	94196929	+
Rorc	MmuEX0040308	chr3	94193518	94196953	94197062	94201114	+
Rp2h	MmuEX0040314	chrX	19941954	19942166	19942324	19954007	+
Rpa1	MmuEX0040317	chr11	75132033	75132116	75132294	75142175	-
Rpa1	MmuEX0040318	chr11	75142263	75153215	75153277	75153792	-
Rpa2	MmuEX0040319	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Rpain	MmuEX0040320	chr11	70784089	70784355	70784596	70785266	+
Rpain	MmuEX0040321	chr11	70785436	70786517	70786577	70791160	+
Rpain	MmuEX0040322	chr11	70786577	70787304	70787415	70787571	+
Rpain	MmuEX0040323	chr11	70787415	70787571	70787634	70791160	+
Rpain	MmuEX0040324	chr11	70787634	70788496	70788542	70791160	+
Rpap1	MmuEX0040325	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040326	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040327	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040328	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040329	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040330	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040331	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040332	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040333	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040334	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap1	MmuEX0040335	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Rpap2	MmuEX0040336	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Rpap2	MmuEX0040337	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Rpap2	MmuEX0040339	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Rpap3	MmuEX0040340	chr15	97512270	97514258	97514356	97514464	-
Rpap3	MmuEX0040341	chr15	97521741	97523645	97523715	97524535	-
Rpe	MmuEX0040342	chr1	66753099	66760709	66760849	66761151	+
Rpe	MmuEX0040343	chr1	66747991	66748191	66748222	66753020	+
Rpe	MmuEX0040344	chr1	66753099	66761151	66761290	66761687	+
Rpe	MmuEX0040345	chr1	66761290	66761687	66761821	66762533	+
Rpe	MmuEX0040346	chr1	66761821	66762533	66762619	66764328	+
Rpf1	MmuEX0040348	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Rpf1	MmuEX0040349	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Rpf1	MmuEX0040350	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Rpf2	MmuEX0040351	chr10	39963699	39964391	39964523	39966349	-
Rpf2	MmuEX0040352	chr10	39959593	39963662	39963699	39964391	-

Rpf2	MmuEX0040353	chr10	39956010	39959554	39959593	39963662	-
Rpf2	MmuEX0040354	chr10	39953013	39955929	39956010	39959554	-
Rpf2	MmuEX0040355	chr10	39953013	39954628	39954704	39955929	-
Rpgr	MmuEX0040357	chrX	9743402	9744056	9744094	9753129	-
Rpgr	MmuEX0040358	chrX	9736006	9739728	9739816	9741848	-
Rpgr	MmuEX0040359	chrX	9788986	9789851	9789943	9790655	-
Rpgr	MmuEX0040360	chrX	9743402	9755397	9755462	9759081	-
Rpgr	MmuEX0040361	chrX	9743402	9753129	9754007	9755397	-
Rpgr	MmuEX0040362	chrX	9759178	9779136	9779291	9783249	-
Rpgr	MmuEX0040363	chrX	9759178	9776037	9776161	9783249	-
Rpgr	MmuEX0040364	chrX	9759178	9773098	9773280	9783249	-
Rpgr	MmuEX0040365	chrX	9759178	9771944	9772109	9783249	-
Rph3al	MmuEX0040387	chr11	75647050	75647582	75647670	75648265	-
Rph3al	MmuEX0040388	chr11	75645716	75646904	75647050	75648265	-
Rph3al	MmuEX0040390	chr11	75692537	75722413	75722556	75724452	-
Rph3al	MmuEX0040391	chr11	75692537	75720020	75720149	75722413	-
Rph3al	MmuEX0040392	chr11	75667980	75692451	75692537	75720020	-
Rpia	MmuEX0040393	chr6	70725167	70727346	70727405	70733555	-
Rpl10a	MmuEX0040395	chr17	28465563	28465912	28465992	28466319	+
Rpl18a	MmuEX0040402	chr8	73419608	73420032	73420211	73421258	-
Rpl18a	MmuEX0040403	chr8	73419608	73419815	73419944	73420032	-
Rpl24	MmuEX0040407	chr16	55974484	55980708	55980943	55982288	+
Rpl24	MmuEX0040408	chr16	55982519	55990043	55990126	55990372	+
Rpl24	MmuEX0040409	chr16	56002939	56004186	56004295	56006023	+
Rpl24	MmuEX0040410	chr16	56002939	56005488	56005605	56006023	+
Rpl24	MmuEX0040411	chr16	55982519	55990372	55991207	55991555	+
Rpl24	MmuEX0040412	chr16	55998364	56000692	56000836	56002822	+
Rpl38	MmuEX0040416	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Rpl3l	MmuEX0040417	chr17	24867982	24869281	24869416	24870254	+
Rpl3l	MmuEX0040418	chr17	24872457	24872667	24872786	24872945	+
Rpn1	MmuEX0040419	chr6	88034788	88038344	88038408	88039983	+
Rpn1	MmuEX0040420	chr6	88050761	88050856	88050975	88051969	+
Rpn1	MmuEX0040421	chr6	88050975	88051969	88052214	88053359	+
Rpn2	MmuEX0040422	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Rpn2	MmuEX0040423	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Rpp14	MmuEX0040424	chr14	8913026	8916222	8916308	8916431	+
Rpp14	MmuEX0040425	chr14	8920054	8921233	8921311	8922422	+
Rpp21	MmuEX0040426	chr17	36394469	36394551	36394651	36394728	-
Rpp21	MmuEX0040427	chr17	36393014	36394387	36394469	36394728	-
Rpp30	MmuEX0040428	chr19	36158308	36159556	36159611	36161449	+
Rpp40	MmuEX0040429	chr13	35993977	35995557	35995625	35996288	-
Rpp40	MmuEX0040430	chr13	35990882	35993175	35993300	35993882	-
Rpp40	MmuEX0040431	chr13	35988794	35990434	35990568	35990684	-
Rprd1a	MmuEX0040432	chr18	24646832	24665335	24665510	24665606	-
Rprd1b	MmuEX0040434	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Rprd1b	MmuEX0040435	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Rprd1b	MmuEX0040436	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+

Rprd1b	MmuEX0040437	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Rprd2	MmuEX0040438	chr3	95591307	95594023	95594152	95622470	-
Rprd2	MmuEX0040439	chr3	95591307	95593801	95593866	95594023	-
Rprd2	MmuEX0040440	chr3	95570343	95575919	95576119	95578035	-
Rprd2	MmuEX0040441	chr3	95589029	95590243	95590320	95591207	-
Rps12	MmuEX0040442	chr10	23505823	23506431	23506445	23506570	-
Rps12	MmuEX0040443	chr10	23505066	23505708	23505810	23506431	-
Rps19	MmuEX0040445	chr7	25670571	25671126	25671206	25672558	+
Rps19	MmuEX0040446	chr7	25670571	25673331	25673484	25673926	+
Rps19bp1	MmuEX0040447	chr15	80091824	80093661	80093977	80094413	-
Rps19bp1	MmuEX0040448	chr15	80091824	80094413	80094547	80094657	-
Rps19bp1	MmuEX0040449	chr15	80091824	80094122	80094257	80094413	-
Rps27l	MmuEX0040452	chr9	66795504	66796450	66796524	66797136	+
Rps6ka1	MmuEX0040454	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rps6ka1	MmuEX0040455	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rps6ka1	MmuEX0040456	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rps6ka1	MmuEX0040457	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rps6ka1	MmuEX0040458	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rps6ka1	MmuEX0040459	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Rps6ka2	MmuEX0040460	chr17	7374792	7432262	7432378	7440395	+
Rps6ka2	MmuEX0040461	chr17	7500481	7503632	7503769	7504565	+
Rps6ka2	MmuEX0040462	chr17	7451131	7453641	7453720	7455889	+
Rps6ka2	MmuEX0040463	chr17	7453720	7455889	7455995	7458761	+
Rps6ka2	MmuEX0040464	chr17	7432378	7440395	7440476	7451051	+
Rps6ka2	MmuEX0040465	chr17	7458798	7460180	7460322	7475941	+
Rps6ka2	MmuEX0040466	chr17	7460322	7465353	7465423	7475941	+
Rps6ka2	MmuEX0040467	chr17	7465423	7466477	7466565	7475941	+
Rps6ka3	MmuEX0040468	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040469	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040470	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040471	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040472	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040473	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040474	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040475	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka3	MmuEX0040476	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Rps6ka4	MmuEX0040477	chr19	6914168	6914824	6914895	6914983	-
Rps6ka4	MmuEX0040478	chr19	6909755	6911817	6911967	6912070	-
Rps6ka4	MmuEX0040479	chr19	6906574	6906746	6906874	6909591	-
Rps6ka4	MmuEX0040480	chr19	6912652	6913742	6913857	6913950	-
Rps6ka5	MmuEX0040481	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040482	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040483	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040485	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040486	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040487	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040488	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-

Rps6ka5	MmuEX0040489	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6ka5	MmuEX0040490	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Rps6kb1	MmuEX0040496	chr11	86326892	86327049	86327139	86329593	-
Rps6kb1	MmuEX0040497	chr11	86326415	86326802	86326892	86327049	-
Rps6kb1	MmuEX0040498	chr11	86348962	86357433	86357547	86358068	-
Rps6kb1	MmuEX0040499	chr11	86333541	86348913	86348962	86358068	-
Rps6kb1	MmuEX0040500	chr11	86333541	86347528	86347648	86358068	-
Rps6kb1	MmuEX0040501	chr11	86333541	86346274	86346342	86358068	-
Rps6kb1	MmuEX0040502	chr11	86317880	86319892	86320003	86320293	-
Rps6kb1	MmuEX0040503	chr11	86316464	86317768	86317880	86320293	-
Rps6kb1	MmuEX0040504	chr11	86329693	86330852	86330894	86331085	-
Rps6kb1	MmuEX0040505	chr11	86329693	86330653	86330751	86331085	-
Rps6kb1	MmuEX0040506	chr11	86329693	86330246	86330489	86331085	-
Rps6kb1	MmuEX0040507	chr11	86327139	86329593	86329693	86331085	-
Rps6kb1	MmuEX0040508	chr11	86325389	86326308	86326415	86326798	-
Rps6kb1	MmuEX0040509	chr11	86325168	86325327	86325389	86326308	-
Rps6kb2	MmuEX0040510	chr19	4162723	4162822	4162862	4163168	-
Rps6kb2	MmuEX0040511	chr19	4157594	4157682	4157789	4157879	-
Rps6kb2	MmuEX0040512	chr19	4157199	4157482	4157594	4157682	-
Rps6kb2	MmuEX0040513	chr19	4162328	4162603	4162723	4162822	-
Rps6kb2	MmuEX0040514	chr19	4158363	4158610	4158717	4158803	-
Rps6kb2	MmuEX0040515	chr19	4159460	4159566	4159705	4161068	-
Rps6kb2	MmuEX0040516	chr19	4159327	4159403	4159460	4161068	-
Rps6kc1	MmuEX0040517	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040518	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040519	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040520	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040521	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040522	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040523	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040524	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040525	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040526	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040527	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040528	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040529	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rps6kc1	MmuEX0040530	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Rpsa	MmuEX0040536	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040537	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040538	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040539	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040540	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040541	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040542	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040543	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040544	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040545	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+

Rptor	MmuEX0040546	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040547	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040548	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040549	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040550	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040551	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rptor	MmuEX0040552	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rpusd1	MmuEX0040553	chr17	25864792	25865197	25865336	25865468	+
Rpusd3	MmuEX0040554	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Rpusd3	MmuEX0040555	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Rpusd3	MmuEX0040556	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Rpusd3	MmuEX0040557	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Rpusd3	MmuEX0040558	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Rpusd4	MmuEX0040559	chr9	35077751	35080119	35080212	35080287	+
Rpusd4	MmuEX0040560	chr9	35076152	35077550	35077751	35080119	+
Rqcd1	MmuEX0040561	chr1	74565590	74568892	74569001	74570078	+
Rqcd1	MmuEX0040562	chr1	74569001	74570078	74570187	74573566	+
Rras2	MmuEX0040565	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rras2	MmuEX0040566	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rras2	MmuEX0040567	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rrbp1	MmuEX0040568	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rrbp1	MmuEX0040569	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rrbp1	MmuEX0040570	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rrbp1	MmuEX0040571	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rrbp1	MmuEX0040572	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rrbp1	MmuEX0040573	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Rreb1	MmuEX0040574	chr13	38008464	38019992	38020181	38038722	+
Rreb1	MmuEX0040575	chr13	38020181	38021427	38024355	38038722	+
Rreb1	MmuEX0040576	chr13	38024358	38033412	38033573	38038722	+
Rrm1	MmuEX0040580	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Rrm1	MmuEX0040581	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Rrm2	MmuEX0040582	chr12	25393310	25393425	25393499	25393804	+
Rrm2b	MmuEX0040583	chr15	37874347	37874794	37874927	37876490	-
Rrn3	MmuEX0040584	chr16	13782191	13783423	13783504	13784166	+
Rrn3	MmuEX0040585	chr16	13782191	13784166	13784222	13788871	+
Rrn3	MmuEX0040586	chr16	13800109	13805042	13805172	13806652	+
Rrn3	MmuEX0040587	chr16	13784222	13788871	13788960	13790714	+
Rrn3	MmuEX0040588	chr16	13784222	13789053	13789182	13790714	+
Rrn3	MmuEX0040589	chr16	13789685	13790714	13790777	13792013	+
Rrn3	MmuEX0040590	chr16	13792082	13793041	13793139	13796078	+
Rrp1	MmuEX0040591	chr10	77873768	77874149	77874231	77875565	-
Rrp12	MmuEX0040592	chr19	41965650	41967028	41967111	41969638	-
Rrp12	MmuEX0040593	chr19	41954991	41956649	41956763	41957913	-
Rrp12	MmuEX0040594	chr19	41948340	41948523	41948628	41948726	-
Rrp1b	MmuEX0040595	chr17	32173549	32182874	32182956	32184619	+
Rrp1b	MmuEX0040596	chr17	32189772	32190802	32190899	32192050	+
Rrp1b	MmuEX0040597	chr17	32190899	32192050	32192069	32192856	+

Rrp1b	MmuEX0040598	chr17	32192069	32192856	32192942	32193501	+
Rrp1b	MmuEX0040599	chr17	32194201	32194731	32194810	32195469	+
Rrp1b	MmuEX0040600	chr17	32184676	32185498	32185583	32186371	+
Rrp1b	MmuEX0040601	chr17	32192069	32192258	32192260	32192856	+
Rrp1b	MmuEX0040602	chr17	32183174	32184619	32184676	32185498	+
Rrp1b	MmuEX0040603	chr17	32188155	32188628	32188794	32189684	+
Rrp36	MmuEX0040604	chr17	46809796	46810105	46810288	46811146	-
Rrp36	MmuEX0040605	chr17	46807134	46809655	46809796	46811146	-
Rrp36	MmuEX0040606	chr17	46807134	46809474	46809540	46811146	-
Rrp36	MmuEX0040607	chr17	46807134	46809285	46809389	46811146	-
Rrp8	MmuEX0040608	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Rrp9	MmuEX0040609	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Rrp9	MmuEX0040610	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Rrp9	MmuEX0040611	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Rsad1	MmuEX0040612	chr11	94405016	94405419	94405482	94405734	-
Rsad1	MmuEX0040613	chr11	94406099	94409785	94409918	94410293	-
Rsad1	MmuEX0040614	chr11	94406099	94409492	94409677	94409785	-
Rsb1	MmuEX0040615	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rsb1	MmuEX0040616	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rsb1	MmuEX0040617	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rsb1	MmuEX0040618	chr3	1.04E+08	1.04E+08	1.04E+08	1.04E+08	+
Rsb1l	MmuEX0040619	chr5	20414062	20414725	20414787	20425343	-
Rsb1l	MmuEX0040620	chr5	20411740	20413700	20413808	20413925	-
Rsb1l	MmuEX0040621	chr5	20402719	20407425	20407463	20408106	-
Rsb1l	MmuEX0040622	chr5	20408273	20411598	20411740	20413925	-
Rsb1l	MmuEX0040623	chr5	20402719	20408106	20408273	20411598	-
Rsb1l	MmuEX0040624	chr5	20425980	20433438	20433548	20457075	-
Rsb1l	MmuEX0040625	chr5	20414062	20425343	20425980	20433438	-
Rsf1	MmuEX0040626	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Rsf1	MmuEX0040627	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Rsf1	MmuEX0040628	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Rsf1	MmuEX0040629	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Rsf1	MmuEX0040630	chr7	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Rsl1d1	MmuEX0040631	chr16	11199579	11199664	11199812	11201388	-
Rspry1	MmuEX0040652	chr8	97160655	97162163	97162278	97163423	+
Rspry1	MmuEX0040653	chr8	97153008	97153650	97153762	97155956	+
Rspry1	MmuEX0040654	chr8	97126330	97146734	97147235	97152956	+
Rsrc1	MmuEX0040655	chr3	67153937	67159396	67159548	67160143	+
Rsrc1	MmuEX0040656	chr3	66790110	66792956	66793083	66798439	+
Rsrc1	MmuEX0040657	chr3	66798634	66800393	66800512	66886458	+
Rsrc1	MmuEX0040658	chr3	66800512	66886458	66886631	66984751	+
Rsrc2	MmuEX0040660	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Rsrc2	MmuEX0040661	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Rsrc2	MmuEX0040662	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Rsrc2	MmuEX0040663	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Rsrc2	MmuEX0040664	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Rsu1	MmuEX0040665	chr2	13138898	13140636	13140754	13145932	-

Rsu1	MmuEX0040666	chr2	13146052	13163372	13163422	13192538	-
Rsu1	MmuEX0040667	chr2	13146052	13146178	13146278	13163372	-
Rtcd1	MmuEX0040669	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rtcd1	MmuEX0040670	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Rtel1	MmuEX0040671	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040672	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040673	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040674	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040675	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040676	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040677	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040678	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040679	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040680	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040681	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040682	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040683	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040684	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040685	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040686	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040687	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040688	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040689	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtel1	MmuEX0040690	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Rtf1	MmuEX0040691	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rtf1	MmuEX0040692	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rtf1	MmuEX0040694	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rtf1	MmuEX0040695	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rtf1	MmuEX0040696	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rtf1	MmuEX0040697	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Rtkn	MmuEX0040698	chr6	83099552	83099666	83099772	83099966	+
Rtkn	MmuEX0040701	chr6	83097939	83098100	83098309	83099458	+
Rtn2	MmuEX0040710	chr7	19872859	19878425	19878632	19878952	+
Rtn3	MmuEX0040711	chr19	7509628	7549195	7549288	7557429	-
Rtn3	MmuEX0040712	chr19	7509628	7542301	7542357	7557429	-
Rtn3	MmuEX0040713	chr19	7509628	7530790	7532913	7557429	-
Rtn4	MmuEX0040714	chr11	29641050	29641500	29641546	29641695	+
Rtn4	MmuEX0040715	chr11	29593962	29605535	29605591	29633633	+
Rtn4	MmuEX0040716	chr11	29593962	29606410	29606439	29633633	+
Rtn4ip1	MmuEX0040717	chr10	43652352	43655805	43655897	43666227	+
Rtn4ip1	MmuEX0040718	chr10	43629781	43630599	43630723	43641193	+
Rtn4ip1	MmuEX0040719	chr10	43630723	43640843	43640994	43641193	+
Rtn4ip1	MmuEX0040720	chr10	43630723	43641193	43641241	43648129	+
Rtn4ip1	MmuEX0040721	chr10	43622342	43627565	43627716	43629713	+
Rtn4ip1	MmuEX0040722	chr10	43630723	43648129	43648158	43652169	+
Rtn4rl2	MmuEX0040723	chr2	84712852	84720545	84721026	84726819	-
Rttn	MmuEX0040724	chr18	89178846	89180244	89180356	89182364	+

Rttn	MmuEX0040730	chr18	89265038	89271023	89271160	89273236	+
Rttn	MmuEX0040732	chr18	89147179	89148958	89149108	89153202	+
Rttn	MmuEX0040734	chr18	89282843	89284837	89285036	89290224	+
Rttn	MmuEX0040735	chr18	89285036	89290224	89290491	89298148	+
Rttn	MmuEX0040736	chr18	89153367	89155286	89155467	89158827	+
Rttn	MmuEX0040738	chr18	89149108	89153202	89153367	89155286	+
Rttn	MmuEX0040742	chr18	89273453	89277441	89277546	89278643	+
Rufy1	MmuEX0040743	chr11	50208517	50211146	50211275	50211873	-
Rufy1	MmuEX0040744	chr11	50230809	50233123	50233224	50233879	-
Rufy1	MmuEX0040745	chr11	50221426	50223321	50223469	50224068	-
Rufy1	MmuEX0040746	chr11	50233224	50233879	50233996	50235132	-
Rufy1	MmuEX0040747	chr11	50203873	50205521	50205569	50208423	-
Rufy2	MmuEX0040748	chr10	62460943	62462981	62463148	62464931	+
Rufy2	MmuEX0040749	chr10	62455988	62456728	62456789	62457453	+
Rufy2	MmuEX0040750	chr10	62457518	62458058	62458127	62460629	+
Rufy2	MmuEX0040751	chr10	62445592	62451871	62451988	62453728	+
Rufy2	MmuEX0040752	chr10	62445592	62453728	62453829	62455865	+
Rufy3	MmuEX0040753	chr5	89076271	89077281	89077349	89078857	+
Rufy3	MmuEX0040754	chr5	89046461	89050326	89050449	89056246	+
Rufy3	MmuEX0040755	chr5	88994501	89013155	89013342	89043966	+
Rufy3	MmuEX0040756	chr5	89013342	89027461	89027514	89043966	+
Rufy4	MmuEX0040759	chr1	74176415	74177752	74177821	74179294	+
Rufy4	MmuEX0040760	chr1	74180781	74187493	74187639	74193228	+
Rundc1	MmuEX0040761	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Rundc1	MmuEX0040762	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Rundc2a	MmuEX0040765	chr16	11350051	11367770	11367894	11395312	+
Rundc2a	MmuEX0040766	chr16	11367894	11395312	11395492	11399858	+
Runx1	MmuEX0040778	chr16	92614005	92644399	92644590	92668953	-
Rusc1	MmuEX0040796	chr3	88893027	88893099	88893273	88893407	-
Rusc1	MmuEX0040797	chr3	88892768	88892922	88893027	88893099	-
Rusc1	MmuEX0040798	chr3	88892190	88892722	88892768	88892922	-
Rusc2	MmuEX0040800	chr4	43395071	43425877	43425926	43427500	+
Rusc2	MmuEX0040801	chr4	43435731	43436547	43436623	43436792	+
Rusc2	MmuEX0040802	chr4	43395071	43427500	43429590	43434477	+
Rusc2	MmuEX0040803	chr4	43436966	43437056	43437161	43438169	+
Ruvbl2	MmuEX0040804	chr7	52686744	52689622	52689726	52690251	-
Ruvbl2	MmuEX0040805	chr7	52684965	52685052	52685054	52685279	-
Ruvbl2	MmuEX0040806	chr7	52680620	52686690	52686744	52689622	-
Ruvbl2	MmuEX0040807	chr7	52680620	52685279	52685334	52686690	-
Ruvbl2	MmuEX0040808	chr7	52680620	52684824	52684965	52685279	-
Ruvbl2	MmuEX0040809	chr7	52680620	52684023	52684152	52684824	-
Rwdd2b	MmuEX0040810	chr16	87437180	87437539	87437759	87440682	-
Rwdd2b	MmuEX0040811	chr16	87437180	87437309	87437376	87440682	-
Rwdd3	MmuEX0040812	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rwdd3	MmuEX0040816	chr3	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Rwdd4a	MmuEX0040817	chr8	48619297	48622633	48622713	48628046	+
Rxra	MmuEX0040825	chr2	27607961	27609743	27609875	27611719	+

Rxra	MmuEX0040826	chr2	27609875	27611719	27611810	27613281	+
Rxra	MmuEX0040827	chr2	27611810	27613281	27613386	27615061	+
Rxrb	MmuEX0040828	chr17	34169168	34169772	34169989	34170500	+
Rxrb	MmuEX0040829	chr17	34173702	34173806	34173909	34174112	+
Rxrg	MmuEX0040831	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	+
Rxrg	MmuEX0040832	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	+
Rxrg	MmuEX0040833	chr1	1.7E+08	1.7E+08	1.7E+08	1.7E+08	+
Ryk	MmuEX0040834	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Ryk	MmuEX0040835	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Ryk	MmuEX0040836	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Ryr1	MmuEX0040851	chr7	29789544	29789802	29789866	29790514	-
Ryr2	MmuEX0040857	chr13	11877408	11882526	11882630	11884936	-
Ryr2	MmuEX0040858	chr13	11852112	11853494	11853702	11862119	-
Ryr2	MmuEX0040859	chr13	11838026	11839252	11839281	11839755	-
Ryr2	MmuEX0040860	chr13	11809394	11810637	11810772	11814018	-
Ryr2	MmuEX0040861	chr13	11804522	11806784	11806889	11809208	-
Ryr2	MmuEX0040862	chr13	11762256	11762470	11762569	11768465	-
Ryr2	MmuEX0040863	chr13	11738872	11739969	11740004	11741997	-
Ryr2	MmuEX0040864	chr13	11715268	11726574	11726597	11727792	-
Ryr2	MmuEX0040865	chr13	11697503	11698632	11698664	11710874	-
Ryr2	MmuEX0040866	chr13	11945457	11960384	11960480	11961384	-
Ryr2	MmuEX0040867	chr13	11977805	11983101	11983115	11995485	-
Ryr2	MmuEX0040868	chr13	11762256	11768465	11768514	11773233	-
S100a1	MmuEX0040890	chr3	90315286	90315918	90316071	90318123	-
S100a16	MmuEX0040892	chr3	90341339	90342809	90342943	90345916	+
S100pbp	MmuEX0040894	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
S100pbp	MmuEX0040895	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
S100pbp	MmuEX0040896	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
S100pbp	MmuEX0040898	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
S100pbp	MmuEX0040899	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
SNORA74.2	MmuEX0040901	chr18	35716345	35716991	35717023	35731497	+
Saa1	MmuEX0040904	chr7	53996212	53996626	53996764	53997802	-
Saal1	MmuEX0040905	chr7	53957331	53957553	53957658	53957772	-
Saal1	MmuEX0040906	chr7	53955088	53955710	53955763	53957151	-
Saal1	MmuEX0040907	chr7	53959463	53962363	53962446	53964234	-
Sacm1l	MmuEX0040908	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sacm1l	MmuEX0040909	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sacm1l	MmuEX0040910	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sacm1l	MmuEX0040911	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sacs	MmuEX0040912	chr14	61802900	61805714	61805846	61808439	+
Sae1	MmuEX0040913	chr7	16944490	16945842	16945934	16952156	-
Sae1	MmuEX0040914	chr7	16906229	16913180	16913278	16915962	-
Sae1	MmuEX0040915	chr7	16922187	16944385	16944490	16952156	-
Sae1	MmuEX0040916	chr7	16916031	16922043	16922187	16944385	-
Sae1	MmuEX0040917	chr7	16952255	16953858	16954000	16955636	-
Safb	MmuEX0040918	chr17	56740394	56740471	56740553	56740650	+
Safb	MmuEX0040919	chr17	56740553	56740650	56740789	56740866	+

Safb	MmuEX0040920	chr17	56744822	56744980	56745080	56745220	+
Safb	MmuEX0040921	chr17	56737238	56738067	56738643	56739046	+
Safb2	MmuEX0040922	chr17	56714375	56714778	56715435	56716301	-
Safb2	MmuEX0040923	chr17	56710972	56713446	56713509	56713625	-
Safb2	MmuEX0040924	chr17	56710742	56710823	56710972	56713625	-
Safb2	MmuEX0040925	chr17	56702854	56702935	56703047	56703927	-
Safb2	MmuEX0040926	chr17	56710972	56713625	56713725	56714326	-
Safb2	MmuEX0040927	chr17	56717328	56718116	56718267	56718344	-
Safb2	MmuEX0040928	chr17	56706441	56706956	56707047	56708318	-
Samd10	MmuEX0040934	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Samd10	MmuEX0040935	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Samd13	MmuEX0040940	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Samd14	MmuEX0040943	chr11	94884692	94884774	94884929	94885892	+
Samd4	MmuEX0040949	chr14	47504691	47635952	47636470	47672525	+
Samd4	MmuEX0040950	chr14	47636470	47670622	47670771	47672525	+
Samd4	MmuEX0040951	chr14	47636470	47672525	47672788	47683895	+
Samd4b	MmuEX0040952	chr7	29186926	29188639	29188762	29188883	-
Samd4b	MmuEX0040953	chr7	29199361	29208455	29208856	29221157	-
Samd8	MmuEX0040955	chr14	22570058	22594185	22594777	22599308	+
Samd8	MmuEX0040956	chr14	22594777	22597890	22597993	22599308	+
Samd8	MmuEX0040957	chr14	22594777	22599308	22599403	22611626	+
Samd8	MmuEX0040958	chr14	22599403	22602901	22603018	22611626	+
Samhd1	MmuEX0040959	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Samhd1	MmuEX0040960	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Samhd1	MmuEX0040961	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Samhd1	MmuEX0040962	chr2	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Samm50	MmuEX0040963	chr15	84034525	84037301	84037371	84038263	+
Sap130	MmuEX0040965	chr18	31810269	31813156	31813280	31825995	+
Sap130	MmuEX0040966	chr18	31826380	31826559	31826663	31834009	+
Sap130	MmuEX0040967	chr18	31795753	31803317	31803437	31806695	+
Sap130	MmuEX0040968	chr18	31806930	31807788	31807946	31809199	+
Sap130	MmuEX0040969	chr18	31841838	31849052	31849156	31858176	+
Sap130	MmuEX0040970	chr18	31826663	31834009	31834150	31837010	+
Sap30bp	MmuEX0040972	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sap30bp	MmuEX0040973	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sap30bp	MmuEX0040974	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sap30bp	MmuEX0040975	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sap30bp	MmuEX0040976	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sap30bp	MmuEX0040977	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sar1a	MmuEX0040978	chr10	61149226	61152522	61152653	61154033	+
Sar1a	MmuEX0040979	chr10	61144896	61146623	61146669	61146809	+
Sar1a	MmuEX0040980	chr10	61149226	61152360	61152435	61152522	+
Sar1a	MmuEX0040981	chr10	61143186	61144847	61144896	61147628	+
Sar1a	MmuEX0040982	chr10	61143186	61146809	61146935	61147628	+
Sar1a	MmuEX0040983	chr10	61143186	61146982	61147079	61147628	+
Sar1b	MmuEX0040984	chr11	51591063	51592734	51592776	51593191	+
Sar1b	MmuEX0040985	chr11	51601755	51602699	51602830	51604829	+

Sar1b	MmuEX0040986	chr11	51577293	51590989	51591063	51593191	+
Sar1b	MmuEX0040987	chr11	51593310	51596040	51596093	51596274	+
Sar1b	MmuEX0040988	chr11	51596339	51601652	51601755	51602699	+
Sardh	MmuEX0040990	chr2	27095258	27096906	27097085	27098222	-
Sardh	MmuEX0040991	chr2	27074431	27076163	27076301	27080489	-
Sardh	MmuEX0040992	chr2	27070705	27074318	27074431	27076163	-
Sarnp	MmuEX0040997	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Sars	MmuEX0040998	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sars	MmuEX0040999	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sars	MmuEX0041000	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sars	MmuEX0041001	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sars2	MmuEX0041002	chr7	29529356	29529580	29529738	29531471	+
Sars2	MmuEX0041003	chr7	29534704	29534900	29534945	29535030	+
Sars2	MmuEX0041004	chr7	29532956	29533435	29533536	29533974	+
Sars2	MmuEX0041005	chr7	29529356	29531760	29531900	29533974	+
Sars2	MmuEX0041006	chr7	29529356	29531978	29532032	29533974	+
Sars2	MmuEX0041007	chr7	29532032	29532506	29532569	29533974	+
Sars2	MmuEX0041008	chr7	29529356	29532851	29532956	29533974	+
Sart1	MmuEX0041009	chr19	5382359	5382715	5382857	5382940	-
Sart3	MmuEX0041010	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sart3	MmuEX0041011	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sart3	MmuEX0041012	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sart3	MmuEX0041013	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sart3	MmuEX0041014	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sart3	MmuEX0041016	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sart3	MmuEX0041017	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Sash1	MmuEX0041019	chr10	8534088	8534205	8534255	8570161	-
Sash1	MmuEX0041020	chr10	8476559	8500317	8500418	8503996	-
Sass6	MmuEX0041022	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sat1	MmuEX0041030	chrX	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Sat2	MmuEX0041031	chr11	69436046	69436209	69436292	69436362	+
Sat2	MmuEX0041032	chr11	69436463	69436614	69436654	69436993	+
Satb1	MmuEX0041033	chr17	51924965	51942756	51942879	51943639	-
Satb1	MmuEX0041034	chr17	51879738	51881971	51882174	51907217	-
Satb1	MmuEX0041035	chr17	51879738	51881372	51881467	51881971	-
Satb1	MmuEX0041036	chr17	51882174	51907217	51907372	51914531	-
Satb1	MmuEX0041038	chr17	51924965	51948368	51948612	51971722	-
Satb1	MmuEX0041039	chr17	51942879	51943639	51943765	51944522	-
Sav1	MmuEX0041044	chr12	71077225	71083523	71083643	71085196	-
Sav1	MmuEX0041045	chr12	71070200	71076955	71077225	71085196	-
Sav1	MmuEX0041046	chr12	71067334	71070057	71070200	71076955	-
Sbf1	MmuEX0041047	chr15	89133972	89134241	89134390	89135116	-
Sbf1	MmuEX0041048	chr15	89133208	89133308	89133576	89133651	-
Sbf1	MmuEX0041049	chr15	89132808	89132883	89132956	89133036	-
Sbf1	MmuEX0041050	chr15	89124097	89124170	89124300	89124376	-
Sbf1	MmuEX0041051	chr15	89120461	89123867	89124097	89124170	-
Sbf1	MmuEX0041052	chr15	89119374	89119453	89119540	89120036	-

Sbf1	MmuEX0041053	chr15	89136503	89136611	89136724	89136800	-
Sbf1	MmuEX0041054	chr15	89126007	89126383	89126460	89129914	-
Sbf1	MmuEX0041055	chr15	89131382	89132274	89132401	89132613	-
Sbf1	MmuEX0041056	chr15	89137366	89137603	89137626	89137924	-
Sbf1	MmuEX0041057	chr15	89138590	89138916	89139001	89145493	-
Sbf2	MmuEX0041058	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041059	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041060	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041061	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041062	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041063	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041064	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041065	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041066	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041067	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041068	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041069	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041070	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041071	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041072	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041073	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041074	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Sbf2	MmuEX0041075	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbf2	MmuEX0041076	chr7	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sbno1	MmuEX0041077	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Sbno1	MmuEX0041078	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Sbno1	MmuEX0041079	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Sbno1	MmuEX0041080	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Sbno1	MmuEX0041081	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Sbno1	MmuEX0041082	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Sbno2	MmuEX0041083	chr10	79532452	79532713	79532796	79535102	-
Sbno2	MmuEX0041084	chr10	79529448	79529576	79529681	79530022	-
Sbno2	MmuEX0041085	chr10	79523646	79523729	79523864	79524061	-
Sbno2	MmuEX0041086	chr10	79522984	79523139	79523247	79523335	-
Sbno2	MmuEX0041087	chr10	79545471	79546986	79547059	79549002	-
Sbno2	MmuEX0041088	chr10	79523864	79524061	79524192	79524907	-
Sbno2	MmuEX0041089	chr10	79525504	79526394	79526473	79526890	-
Sbno2	MmuEX0041090	chr10	79535263	79542698	79544127	79545360	-
Sbno2	MmuEX0041091	chr10	79532796	79535102	79535263	79545360	-
Sbno2	MmuEX0041092	chr10	79549177	79565362	79565466	79568728	-
Sc4mol	MmuEX0041094	chr8	67199320	67202385	67202533	67206421	-
Sc4mol	MmuEX0041095	chr8	67199320	67201261	67201387	67206421	-
Sc5d	MmuEX0041096	chr9	42066796	42067227	42067277	42067765	-
Sc5d	MmuEX0041097	chr9	42067982	42070134	42070214	42072289	-
Scaf1	MmuEX0041098	chr7	52258995	52260775	52260993	52261211	-
Scaf1	MmuEX0041099	chr7	52268963	52269575	52269705	52271450	-
Scaf11	MmuEX0041100	chr15	96277022	96278455	96278543	96290249	-

Scaf11	MmuEX0041101	chr15	96268781	96272254	96272361	96274376	-
Scaf11	MmuEX0041102	chr15	96245582	96246208	96246378	96247280	-
Scaf11	MmuEX0041103	chr15	96265428	96268613	96268781	96274376	-
Scaf11	MmuEX0041104	chr15	96262855	96265351	96265428	96274376	-
Scaf4	MmuEX0041105	chr16	90242963	90243117	90243203	90243289	-
Scaf4	MmuEX0041106	chr16	90252695	90257054	90257177	90257498	-
Scaf4	MmuEX0041107	chr16	90252695	90257498	90257647	90258227	-
Scaf8	MmuEX0041108	chr17	3159324	3162439	3162532	3162959	+
Scaf8	MmuEX0041109	chr17	3164277	3167963	3168139	3169327	+
Scaf8	MmuEX0041110	chr17	3177723	3178155	3178348	3185064	+
Scaf8	MmuEX0041111	chr17	3122114	3130224	3130416	3145075	+
Scaf8	MmuEX0041112	chr17	3187745	3190147	3190280	3191817	+
Scaf8	MmuEX0041113	chr17	3190280	3191817	3191961	3193014	+
Scaf8	MmuEX0041114	chr17	3191961	3193014	3193082	3195778	+
Scaf8	MmuEX0041115	chr17	3145158	3148536	3148580	3159163	+
Scaf8	MmuEX0041116	chr17	3145158	3146252	3146470	3148536	+
Scaf8	MmuEX0041117	chr17	3115418	3122053	3122114	3145075	+
Scaf8	MmuEX0041118	chr17	3168139	3169330	3169406	3171103	+
Scai	MmuEX0041120	chr2	38954995	38957841	38957919	38958723	-
Scai	MmuEX0041123	chr2	38935697	38935894	38936067	38939058	-
Scai	MmuEX0041125	chr2	38976729	38978524	38978610	38980610	-
Scai	MmuEX0041126	chr2	38957919	38958723	38958824	38959184	-
Scamp1	MmuEX0041128	chr13	94978208	94979922	94980014	94980532	-
Scamp1	MmuEX0041129	chr13	94974118	94978091	94978208	94980532	-
Scamp1	MmuEX0041130	chr13	95002135	95003037	95003125	95022948	-
Scamp1	MmuEX0041131	chr13	94980633	95002027	95002135	95022948	-
Scamp1	MmuEX0041132	chr13	94980633	94999669	94999797	95022948	-
Scamp1	MmuEX0041133	chr13	94980633	94994850	94995009	95022948	-
Scamp2	MmuEX0041134	chr9	57425544	57426081	57426209	57427240	+
Scamp3	MmuEX0041135	chr3	88981579	88981912	88981989	88983017	+
Scamp3	MmuEX0041136	chr3	88984302	88984651	88984810	88985097	+
Scamp3	MmuEX0041137	chr3	88985198	88985848	88985965	88986221	+
Scamp4	MmuEX0041138	chr10	80071595	80072075	80072203	80072386	+
Scamp4	MmuEX0041139	chr10	80072203	80072386	80072542	80073773	+
Scamp4	MmuEX0041140	chr10	80065694	80065984	80066058	80071548	+
Scamp4	MmuEX0041141	chr10	80065694	80069059	80069614	80071548	+
Scamp4	MmuEX0041142	chr10	80065694	80071548	80071595	80075087	+
Scamp4	MmuEX0041143	chr10	80065694	80073773	80073874	80075087	+
Scamp5	MmuEX0041144	chr9	57293296	57293879	57293980	57294884	-
Scamp5	MmuEX0041145	chr9	57293296	57293619	57293724	57293879	-
Scamp5	MmuEX0041146	chr9	57291671	57293179	57293296	57293879	-
Scamp5	MmuEX0041147	chr9	57295040	57299163	57299291	57299787	-
Scamp5	MmuEX0041148	chr9	57293980	57294884	57295033	57299163	-
Scap	MmuEX0041150	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Scap	MmuEX0041151	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Scap	MmuEX0041152	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Scap	MmuEX0041153	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+

Scap	MmuEX0041154	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Scap	MmuEX0041155	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Scaper	MmuEX0041156	chr9	55762777	55763794	55763911	55767331	-
Scaper	MmuEX0041157	chr9	55450728	55457649	55457881	55503712	-
Scaper	MmuEX0041158	chr9	55401329	55403892	55404083	55428014	-
Scaper	MmuEX0041159	chr9	55740095	55743089	55743189	55759847	-
Scaper	MmuEX0041160	chr9	55712411	55722452	55722711	55731654	-
Scaper	MmuEX0041161	chr9	55434260	55450573	55450728	55457649	-
Scaper	MmuEX0041162	chr9	55763911	55767331	55767394	55769073	-
Scaper	MmuEX0041163	chr9	55404083	55428014	55428163	55434026	-
Scaper	MmuEX0041164	chr9	55654927	55655413	55655565	55656909	-
Scaper	MmuEX0041165	chr9	55610171	55712211	55712411	55722452	-
Scaper	MmuEX0041166	chr9	55610171	55707555	55707725	55712193	-
Scaper	MmuEX0041167	chr9	55706332	55706806	55706881	55707555	-
Scaper	MmuEX0041168	chr9	55610171	55706215	55706332	55706806	-
Scaper	MmuEX0041169	chr9	55610171	55705888	55705999	55706215	-
Scaper	MmuEX0041170	chr9	55664616	55685927	55686067	55705888	-
Scarb1	MmuEX0041172	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Scarb1	MmuEX0041173	chr5	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Scarb2	MmuEX0041174	chr5	92875488	92876633	92876761	92877571	-
Scarb2	MmuEX0041175	chr5	92873310	92875330	92875488	92877571	-
Scarb2	MmuEX0041176	chr5	92891110	92914223	92914380	92934218	-
Scarf1	MmuEX0041177	chr11	75327912	75328668	75329190	75333796	+
Scarf1	MmuEX0041178	chr11	75329190	75333796	75334014	75334405	+
Scarf1	MmuEX0041179	chr11	75334014	75334405	75334533	75335454	+
Scarf1	MmuEX0041180	chr11	75327192	75327507	75327565	75327811	+
Scarf1	MmuEX0041181	chr11	75335798	75337277	75337398	75337493	+
Scarf1	MmuEX0041182	chr11	75335798	75337493	75337639	75338872	+
Scarf2	MmuEX0041184	chr16	17797620	17802460	17802518	17802609	+
Scarf2	MmuEX0041185	chr16	17805017	17806442	17806594	17806845	+
Scarf2	MmuEX0041187	chr16	17803958	17804399	17804502	17804579	+
Scarf2	MmuEX0041188	chr16	17804502	17804579	17804696	17804902	+
Sccpdh	MmuEX0041189	chr1	1.82E+08	1.82E+08	1.82E+08	1.82E+08	+
Scfd1	MmuEX0041196	chr12	52516583	52523894	52523990	52527025	+
Scfd1	MmuEX0041197	chr12	52527095	52528852	52528931	52532475	+
Scfd1	MmuEX0041198	chr12	52543570	52545971	52546004	52546658	+
Scfd1	MmuEX0041199	chr12	52546004	52546179	52546378	52546658	+
Scfd1	MmuEX0041200	chr12	52546723	52548559	52548627	52550894	+
Scfd1	MmuEX0041201	chr12	52490359	52491293	52491415	52493170	+
Scfd1	MmuEX0041202	chr12	52491415	52493170	52493257	52494808	+
Scfd1	MmuEX0041203	chr12	52515910	52516502	52516583	52523894	+
Scfd2	MmuEX0041204	chr5	74608395	74621340	74621474	74632464	-
Scfd2	MmuEX0041205	chr5	74793928	74858585	74858760	74878175	-
Scfd2	MmuEX0041206	chr5	74858760	74878175	74878302	74915509	-
Scfd2	MmuEX0041207	chr5	74602420	74608276	74608395	74621340	-
Schip1	MmuEX0041215	chr3	68420479	68421533	68421730	68422518	+
Sclt1	MmuEX0041216	chr3	41534841	41538090	41538157	41545917	-

Sclt1	MmuEX0041217	chr3	41475405	41479250	41479427	41485618	-
Sclt1	MmuEX0041218	chr3	41471104	41475307	41475405	41479250	-
Sclt1	MmuEX0041219	chr3	41467948	41469119	41469401	41471033	-
Sclt1	MmuEX0041220	chr3	41534285	41534783	41534841	41538090	-
Sclt1	MmuEX0041221	chr3	41521786	41531015	41531070	41534213	-
Sclt1	MmuEX0041222	chr3	41435653	41451367	41451563	41461126	-
Sclt1	MmuEX0041223	chr3	41465639	41467287	41467410	41467874	-
Sclt1	MmuEX0041224	chr3	41486294	41521651	41521786	41531015	-
Sclt1	MmuEX0041225	chr3	41486294	41515005	41515127	41531015	-
Sclt1	MmuEX0041226	chr3	41486294	41513391	41513456	41531015	-
Sclt1	MmuEX0041227	chr3	41486294	41507308	41507378	41513391	-
Scly	MmuEX0041228	chr1	93197217	93198859	93198973	93199346	+
Scly	MmuEX0041229	chr1	93195077	93195642	93195764	93197088	+
Scly	MmuEX0041230	chr1	93195077	93195981	93196046	93197088	+
Scly	MmuEX0041231	chr1	93195077	93197105	93197217	93199346	+
Scly	MmuEX0041232	chr1	93202031	93204891	93205018	93216462	+
Scly	MmuEX0041233	chr1	93202031	93205228	93205392	93216462	+
Scly	MmuEX0041234	chr1	93205392	93206374	93206480	93212066	+
Scly	MmuEX0041235	chr1	93202031	93212066	93212102	93216462	+
Scly	MmuEX0041236	chr1	93202031	93213641	93213724	93216462	+
Scmh1	MmuEX0041237	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041238	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041239	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041240	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041241	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041242	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041243	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041244	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scmh1	MmuEX0041245	chr4	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Scn5a	MmuEX0041270	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Scn5a	MmuEX0041271	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Scn5a	MmuEX0041272	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Scn5a	MmuEX0041273	chr9	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Sco1	MmuEX0041285	chr11	66869430	66870017	66870109	66871829	+
Sco1	MmuEX0041286	chr11	66866418	66867277	66867367	66869218	+
Scp2	MmuEX0041287	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041288	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041289	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041290	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041291	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041292	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041293	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scp2	MmuEX0041294	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Scpep1	MmuEX0041297	chr11	88808548	88813720	88813868	88816608	-
Scpep1	MmuEX0041298	chr11	88805844	88808459	88808548	88813720	-
Scpep1	MmuEX0041299	chr11	88805185	88805689	88805844	88808459	-
Scpep1	MmuEX0041300	chr11	88786038	88791522	88791659	88794762	-

Scpep1	MmuEX0041301	chr11	88786038	88790479	88790642	88794762	-
Scrib	MmuEX0041302	chr15	75895506	75895580	75895779	75896520	-
Scrib	MmuEX0041303	chr15	75894185	75894906	75895031	75895127	-
Scrib	MmuEX0041304	chr15	75888368	75888456	75888566	75889392	-
Scrib	MmuEX0041305	chr15	75888005	75888075	75888368	75888456	-
Scrib	MmuEX0041306	chr15	75878102	75878545	75878582	75878652	-
Scrib	MmuEX0041307	chr15	75878102	75878352	75878426	75878545	-
Scrib	MmuEX0041308	chr15	75879731	75879887	75879970	75880480	-
Scrib	MmuEX0041309	chr15	75891653	75892169	75892231	75893100	-
Scrn1	MmuEX0041310	chr6	54484588	54498218	54498377	54516234	-
Scrn2	MmuEX0041311	chr11	96891903	96892194	96892375	96893403	+
Scrn2	MmuEX0041312	chr11	96892375	96893403	96893602	96894069	+
Scrn2	MmuEX0041313	chr11	96891369	96891730	96891903	96892194	+
Scrn2	MmuEX0041314	chr11	96893602	96894069	96894158	96894378	+
Scrn3	MmuEX0041315	chr2	73150741	73152418	73152510	73153482	+
Scrn3	MmuEX0041316	chr2	73160251	73161213	73161391	73167820	+
Scrn3	MmuEX0041317	chr2	73160251	73167820	73167982	73169040	+
Scrn3	MmuEX0041318	chr2	73167982	73169040	73169214	73173768	+
Scrn3	MmuEX0041319	chr2	73153649	73156303	73156484	73157360	+
Scrn3	MmuEX0041320	chr2	73157556	73160042	73160251	73167820	+
Scube2	MmuEX0041333	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Scx	MmuEX0041342	chr15	76288616	76289074	76289228	76289512	+
Scyl1	MmuEX0041343	chr19	5770552	5770723	5770863	5771220	-
Scyl1	MmuEX0041344	chr19	5759804	5759981	5760145	5760533	-
Scyl1	MmuEX0041345	chr19	5761808	5764669	5764782	5765310	-
Scyl2	MmuEX0041346	chr10	89132547	89136111	89136147	89141023	-
Scyl2	MmuEX0041347	chr10	89113705	89115688	89115801	89116849	-
Scyl2	MmuEX0041348	chr10	89108488	89109504	89109604	89112710	-
Scyl2	MmuEX0041349	chr10	89115801	89116849	89116971	89119453	-
Scyl2	MmuEX0041350	chr10	89116971	89117080	89117091	89119453	-
Scyl2	MmuEX0041351	chr10	89103861	89104736	89104855	89108207	-
Scyl2	MmuEX0041352	chr10	89132547	89141023	89141227	89148783	-
Scyl2	MmuEX0041353	chr10	89129606	89132390	89132547	89141023	-
Scyl3	MmuEX0041354	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Scyl3	MmuEX0041355	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Scyl3	MmuEX0041356	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Scyl3	MmuEX0041357	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Scyl3	MmuEX0041358	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Scyl3	MmuEX0041359	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Sdad1	MmuEX0041360	chr5	92734328	92734759	92734863	92738818	-
Sdad1	MmuEX0041361	chr5	92725094	92725785	92725891	92726146	-
Sdad1	MmuEX0041362	chr5	92721755	92722989	92723047	92725037	-
Sdad1	MmuEX0041363	chr5	92732792	92732910	92732981	92733999	-
Sdad1	MmuEX0041364	chr5	92723047	92725037	92725094	92726146	-
Sdc1	MmuEX0041365	chr12	8797672	8798097	8798232	8798444	+
Sdcbp	MmuEX0041366	chr4	6292906	6294787	6294955	6304224	+
Sdcbp	MmuEX0041367	chr4	6292906	6304224	6304289	6306113	+

Sdccag3	MmuEX0041368	chr2	26240665	26241510	26241583	26242282	-
Sdccag3	MmuEX0041369	chr2	26239214	26240202	26240341	26240603	-
Sdccag3	MmuEX0041370	chr2	26240341	26242424	26242831	26243076	-
Sdccag3	MmuEX0041371	chr2	26240341	26241061	26241129	26241510	-
Sdccag3	MmuEX0041372	chr2	26240341	26240603	26240665	26241018	-
Sdccag3	MmuEX0041373	chr2	26243191	26244436	26244585	26244669	-
Sdccag3	MmuEX0041374	chr2	26243191	26244012	26244080	26244669	-
Sdccag8	MmuEX0041375	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041376	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041377	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041378	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041379	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041380	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041381	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041382	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041383	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041384	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041385	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041386	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdccag8	MmuEX0041387	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Sdf2	MmuEX0041389	chr11	78064714	78068357	78068377	78068492	+
Sdf4	MmuEX0041390	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Sdha	MmuEX0041391	chr13	74468918	74469547	74469742	74470470	-
Sdhaf2	MmuEX0041392	chr19	10591876	10595439	10595526	10599549	-
Sdhaf2	MmuEX0041393	chr19	10577619	10591470	10591579	10591659	-
Sdhb	MmuEX0041394	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Sdhc	MmuEX0041395	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Sdhc	MmuEX0041396	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Sdhc	MmuEX0041397	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Sdhc	MmuEX0041398	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Sdhd	MmuEX0041399	chr9	50407010	50407573	50407625	50408653	-
Sdr39u1	MmuEX0041411	chr14	56516849	56517090	56517223	56518021	-
Sdr39u1	MmuEX0041412	chr14	56518142	56518484	56518566	56518651	-
Sdr42e1	MmuEX0041413	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Sdr42e1	MmuEX0041414	chr8	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Sdsl	MmuEX0041415	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Sdsl	MmuEX0041416	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Sec11a	MmuEX0041419	chr7	88061118	88067233	88067270	88067987	-
Sec11a	MmuEX0041420	chr7	88068106	88079913	88080022	88092288	-
Sec11a	MmuEX0041421	chr7	88068106	88070484	88070516	88072623	-
Sec11c	MmuEX0041422	chr18	65960365	65961105	65961146	65969099	+
Sec14l1	MmuEX0041423	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Sec14l1	MmuEX0041424	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Sec14l1	MmuEX0041425	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Sec16a	MmuEX0041440	chr2	26283905	26284335	26284473	26284582	-
Sec16a	MmuEX0041441	chr2	26277773	26278974	26279157	26279403	-
Sec16a	MmuEX0041442	chr2	26276976	26277528	26277773	26278974	-

Sec16a	MmuEX0041443	chr2	26271291	26271637	26271748	26271891	-
Sec16a	MmuEX0041444	chr2	26270921	26271154	26271291	26271637	-
Sec16a	MmuEX0041445	chr2	26269965	26270827	26270921	26271154	-
Sec16a	MmuEX0041446	chr2	26266473	26266607	26266689	26268356	-
Sec16a	MmuEX0041447	chr2	26286748	26288851	26288948	26291432	-
Sec16a	MmuEX0041448	chr2	26275290	26276894	26276976	26277528	-
Sec16a	MmuEX0041449	chr2	26288948	26291432	26291568	26293907	-
Sec16a	MmuEX0041450	chr2	26268433	26269199	26269258	26269891	-
Sec16a	MmuEX0041451	chr2	26266473	26268356	26268433	26269891	-
Sec22a	MmuEX0041456	chr16	35349085	35361725	35361845	35363561	-
Sec22a	MmuEX0041457	chr16	35329699	35348917	35349080	35361647	-
Sec22a	MmuEX0041458	chr16	35329699	35347700	35347879	35348917	-
Sec22a	MmuEX0041459	chr16	35318955	35329584	35329699	35347685	-
Sec22a	MmuEX0041460	chr16	35314373	35318890	35318955	35329584	-
Sec22b	MmuEX0041461	chr3	97705343	97711148	97711253	97716502	+
Sec22c	MmuEX0041462	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Sec22c	MmuEX0041463	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Sec22c	MmuEX0041464	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Sec22c	MmuEX0041465	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Sec23a	MmuEX0041466	chr12	60092075	60093112	60093270	60098123	-
Sec23a	MmuEX0041467	chr12	60105563	60106246	60106303	60107977	-
Sec23a	MmuEX0041468	chr12	60068032	60069800	60069955	60072227	-
Sec23a	MmuEX0041469	chr12	60074029	60075569	60075646	60079449	-
Sec23b	MmuEX0041470	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Sec23b	MmuEX0041471	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Sec23ip	MmuEX0041472	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Sec23ip	MmuEX0041473	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Sec24a	MmuEX0041474	chr11	51530147	51530783	51530855	51531226	-
Sec24a	MmuEX0041475	chr11	51529031	51529941	51530147	51530783	-
Sec24a	MmuEX0041476	chr11	51508743	51510151	51510254	51514316	-
Sec24a	MmuEX0041477	chr11	51545407	51545627	51545774	51546894	-
Sec24a	MmuEX0041478	chr11	51531281	51535317	51535435	51537086	-
Sec24a	MmuEX0041479	chr11	51530147	51531226	51531281	51535317	-
Sec24a	MmuEX0041480	chr11	51520805	51522437	51522547	51525691	-
Sec24a	MmuEX0041481	chr11	51548163	51549853	51550023	51557038	-
Sec24a	MmuEX0041482	chr11	51547429	51548086	51548163	51549853	-
Sec24a	MmuEX0041483	chr11	51540096	51547272	51547429	51548086	-
Sec24a	MmuEX0041484	chr11	51540096	51546894	51547066	51547272	-
Sec24a	MmuEX0041485	chr11	51540096	51545305	51545407	51546894	-
Sec24a	MmuEX0041486	chr11	51540096	51542954	51543077	51545305	-
Sec24a	MmuEX0041487	chr11	51528747	51539987	51540096	51542954	-
Sec24a	MmuEX0041488	chr11	51535435	51537086	51537198	51539987	-
Sec24b	MmuEX0041489	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Sec24b	MmuEX0041490	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Sec24b	MmuEX0041491	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Sec24b	MmuEX0041492	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Sec24b	MmuEX0041494	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-

Sec24b	MmuEX0041495	chr3	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Sec24c	MmuEX0041496	chr14	21508345	21508494	21508685	21508856	+
Sec24c	MmuEX0041497	chr14	21508949	21509126	21509242	21509926	+
Sec24c	MmuEX0041498	chr14	21509242	21509926	21510096	21510488	+
Sec24c	MmuEX0041499	chr14	21511327	21511568	21511747	21511942	+
Sec24c	MmuEX0041500	chr14	21498885	21500139	21500250	21501901	+
Sec24c	MmuEX0041501	chr14	21503243	21504434	21504502	21505731	+
Sec24c	MmuEX0041502	chr14	21493610	21494953	21495081	21495180	+
Sec24c	MmuEX0041503	chr14	21495379	21498750	21498885	21501901	+
Sec24d	MmuEX0041504	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sec24d	MmuEX0041505	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sec24d	MmuEX0041506	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sec24d	MmuEX0041507	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sec31a	MmuEX0041508	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041509	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041510	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041511	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041512	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041513	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041514	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041515	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041516	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31a	MmuEX0041517	chr5	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Sec31b	MmuEX0041518	chr19	44614659	44617756	44617879	44618191	-
Sec31b	MmuEX0041519	chr19	44600805	44601095	44601193	44601488	-
Sec31b	MmuEX0041520	chr19	44599742	44599966	44600144	44600706	-
Sec31b	MmuEX0041521	chr19	44599064	44599611	44599737	44599966	-
Sec31b	MmuEX0041522	chr19	44610743	44614585	44614659	44617756	-
Sec31b	MmuEX0041523	chr19	44610290	44610548	44610743	44617756	-
Sec31b	MmuEX0041524	chr19	44598323	44598919	44599064	44599611	-
Sec31b	MmuEX0041525	chr19	44600144	44600706	44600805	44601095	-
Sec31b	MmuEX0041526	chr19	44593154	44593663	44593977	44594913	-
Sec31b	MmuEX0041527	chr19	44593154	44593391	44593449	44594913	-
Sec31b	MmuEX0041528	chr19	44609321	44610195	44610290	44618191	-
Sec31b	MmuEX0041529	chr19	44606945	44607084	44607183	44608731	-
Sec31b	MmuEX0041530	chr19	44601562	44606784	44606945	44608731	-
Sec31b	MmuEX0041531	chr19	44601562	44606171	44606260	44608731	-
Sec31b	MmuEX0041532	chr19	44601562	44603156	44603386	44608731	-
Sec61a1	MmuEX0041533	chr6	88458716	88462096	88462249	88462490	-
Sec61a1	MmuEX0041534	chr6	88462249	88462490	88462599	88464307	-
Sec61a2	MmuEX0041535	chr2	5807623	5812336	5812401	5814200	-
Sec61a2	MmuEX0041536	chr2	5803995	5804239	5804298	5807545	-
Sec61a2	MmuEX0041537	chr2	5798047	5798901	5799054	5803627	-
Sec61a2	MmuEX0041538	chr2	5795464	5797410	5797607	5797887	-
Sec61a2	MmuEX0041539	chr2	5794865	5795273	5795464	5797406	-
Sec61a2	MmuEX0041540	chr2	5798047	5803864	5803995	5807545	-
Sec61a2	MmuEX0041541	chr2	5798047	5803627	5803736	5803864	-

Sec61a2	MmuEX0041542	chr2	5799054	5800663	5800746	5803627	-
Sec62	MmuEX0041543	chr3	30709459	30711218	30711278	30713156	+
Sec63	MmuEX0041544	chr10	42481694	42503400	42503465	42509106	+
Sec63	MmuEX0041545	chr10	42523788	42524882	42525036	42526330	+
Sec63	MmuEX0041546	chr10	42532301	42532471	42532644	42534861	+
Sec63	MmuEX0041547	chr10	42543785	42547683	42547787	42548697	+
Sec63	MmuEX0041548	chr10	42516070	42517489	42517539	42518553	+
Sec63	MmuEX0041549	chr10	42481694	42503248	42503347	42509106	+
Sec63	MmuEX0041550	chr10	42517539	42518553	42518661	42521439	+
Secisbp2	MmuEX0041551	chr13	51747189	51747976	51748124	51749755	+
Secisbp2	MmuEX0041552	chr13	51748124	51749412	51749648	51749755	+
Secisbp2	MmuEX0041553	chr13	51772648	51773412	51773529	51774203	+
Secisbp2	MmuEX0041554	chr13	51774359	51775102	51775322	51777369	+
Secisbp2	MmuEX0041555	chr13	51748124	51749865	51750004	51750468	+
Secisbp2	MmuEX0041556	chr13	51748124	51750468	51750609	51752250	+
Secisbp2	MmuEX0041557	chr13	51772648	51774203	51774359	51775102	+
Secisbp2l	MmuEX0041558	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041559	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041560	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041561	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041562	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041563	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041564	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Secisbp2l	MmuEX0041565	chr2	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Seh1l	MmuEX0041569	chr18	67934774	67937603	67937709	67938859	+
Seh1l	MmuEX0041570	chr18	67934774	67938859	67938909	67943569	+
Seh1l	MmuEX0041571	chr18	67944752	67946810	67946908	67948346	+
Seh1l	MmuEX0041572	chr18	67938909	67943569	67943715	67944541	+
Sel1l	MmuEX0041573	chr12	93065004	93065092	93065145	93069127	-
Selm	MmuEX0041580	chr11	3416299	3416489	3416523	3416845	+
Sema3b	MmuEX0041583	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3b	MmuEX0041584	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3b	MmuEX0041585	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3b	MmuEX0041586	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3b	MmuEX0041587	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3c	MmuEX0041588	chr5	17200683	17217204	17217292	17220229	+
Sema3c	MmuEX0041589	chr5	17160883	17168738	17168857	17176268	+
Sema3f	MmuEX0041593	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3f	MmuEX0041594	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3f	MmuEX0041595	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sema3g	MmuEX0041596	chr14	32035636	32035745	32035814	32036106	+
Sema4a	MmuEX0041597	chr3	88257053	88258601	88258768	88262909	-
Sema4a	MmuEX0041599	chr3	88254549	88254685	88254868	88255267	-
Sema4b	MmuEX0041601	chr7	87357845	87358149	87358211	87360510	+
Sema4b	MmuEX0041602	chr7	87343656	87355079	87355085	87357682	+
Sema4c	MmuEX0041603	chr1	36610412	36610561	36610659	36610771	-
Sema4c	MmuEX0041604	chr1	36612925	36613648	36613774	36614861	-

Sema4d	MmuEX0041605	chr13	51798900	51800322	51800365	51800442	-
Sema4d	MmuEX0041606	chr13	51820911	51858621	51858689	51888866	-
Sema4d	MmuEX0041607	chr13	51820911	51829876	51829939	51858621	-
Sema6a	MmuEX0041630	chr18	47438828	47440774	47440854	47440946	-
Sema6a	MmuEX0041632	chr18	47409238	47430263	47430427	47436240	-
Sema6b	MmuEX0041634	chr17	56265789	56265873	56266055	56266363	-
Sema6b	MmuEX0041635	chr17	56264340	56264756	56264814	56264940	-
Sema6c	MmuEX0041640	chr3	94968435	94970928	94971042	94971546	+
Sema6c	MmuEX0041643	chr3	94972022	94972221	94972311	94972509	+
Sema6d	MmuEX0041644	chr2	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Sema6d	MmuEX0041646	chr2	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Sema6d	MmuEX0041647	chr2	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Sema7a	MmuEX0041648	chr9	57808520	57808664	57808725	57809047	+
Sema7a	MmuEX0041649	chr9	57788135	57801343	57801485	57801977	+
Sema7a	MmuEX0041650	chr9	57802424	57802631	57802718	57802867	+
Sema7a	MmuEX0041651	chr9	57808189	57808366	57808520	57808664	+
Senp1	MmuEX0041652	chr15	97890385	97895250	97895304	97896835	-
Senp1	MmuEX0041653	chr15	97890385	97892381	97892458	97895250	-
Senp1	MmuEX0041654	chr15	97907140	97911688	97911729	97912674	-
Senp1	MmuEX0041655	chr15	97907140	97907343	97907473	97912674	-
Senp2	MmuEX0041656	chr16	22009815	22011567	22011625	22014197	+
Senp2	MmuEX0041657	chr16	22026812	22028042	22028136	22028614	+
Senp2	MmuEX0041658	chr16	22028136	22028614	22028665	22032177	+
Senp2	MmuEX0041659	chr16	22028665	22032177	22032237	22036543	+
Senp2	MmuEX0041660	chr16	22032237	22036543	22036719	22038610	+
Senp2	MmuEX0041661	chr16	22040716	22041395	22041474	22043043	+
Senp5	MmuEX0041663	chr16	31963623	31964356	31964406	31965831	-
Senp5	MmuEX0041664	chr16	31969023	31977766	31977843	31983350	-
Senp5	MmuEX0041665	chr16	31977843	31983350	31983397	31983579	-
Senp5	MmuEX0041666	chr16	31965914	31968886	31969023	31977685	-
Senp5	MmuEX0041667	chr16	31964406	31965831	31965914	31968886	-
Senp5	MmuEX0041668	chr16	31983959	31989026	31990551	32003078	-
Senp5	MmuEX0041669	chr16	31983717	31983854	31983959	31989026	-
Senp6	MmuEX0041670	chr9	79966449	79969134	79969167	79969671	+
Senp6	MmuEX0041671	chr9	79974259	79978546	79978665	79980696	+
Senp6	MmuEX0041672	chr9	79990202	79991457	79991975	79995799	+
Senp6	MmuEX0041673	chr9	79941448	79946700	79946713	79951501	+
Senp6	MmuEX0041674	chr9	79978665	79980696	79980788	79984265	+
Senp6	MmuEX0041675	chr9	79915379	79935237	79935330	79940074	+
Senp6	MmuEX0041676	chr9	79915379	79937656	79937713	79940074	+
Senp6	MmuEX0041677	chr9	79915379	79940074	79940219	79941344	+
Senp6	MmuEX0041678	chr9	79915379	79941344	79941448	79951501	+
Senp6	MmuEX0041679	chr9	79941448	79946693	79946713	79951501	+
Senp6	MmuEX0041680	chr9	79951571	79959118	79959260	79964339	+
Senp6	MmuEX0041681	chr9	79951571	79961534	79961921	79964339	+
Senp7	MmuEX0041682	chr16	56089577	56097453	56097544	56111719	+
Senp7	MmuEX0041683	chr16	56111916	56123892	56124083	56139098	+

Senp7	MmuEX0041684	chr16	56155488	56158581	56158727	56162488	+
Senp7	MmuEX0041685	chr16	56170070	56171863	56171996	56173270	+
Senp7	MmuEX0041686	chr16	56179162	56179611	56179735	56180639	+
Senp7	MmuEX0041687	chr16	56082521	56087513	56087601	56089497	+
Senp7	MmuEX0041688	chr16	56082521	56089497	56089577	56097453	+
Senp7	MmuEX0041689	chr16	56184303	56184874	56184942	56186172	+
Senp7	MmuEX0041690	chr16	56184942	56186112	56186171	56188348	+
Senp7	MmuEX0041691	chr16	56184942	56186172	56186322	56188348	+
Senp7	MmuEX0041692	chr16	56186322	56187583	56187683	56188348	+
Senp7	MmuEX0041693	chr16	56097544	56111719	56111916	56123892	+
Senp7	MmuEX0041694	chr16	56124083	56139098	56139213	56151387	+
Senp8	MmuEX0041695	chr9	59585675	59598069	59598178	59598385	-
Senp8	MmuEX0041696	chr9	59585675	59587747	59587839	59598385	-
Sephs1	MmuEX0041697	chr2	4802906	4805378	4805651	4810229	+
Sephs1	MmuEX0041698	chr2	4805651	4810229	4810332	4812633	+
Sephs1	MmuEX0041699	chr2	4810332	4812638	4812740	4814231	+
Sephs1	MmuEX0041700	chr2	4812740	4814231	4814385	4817735	+
Sephs1	MmuEX0041701	chr2	4814385	4817735	4817825	4826518	+
Sephs1	MmuEX0041702	chr2	4817825	4820510	4820609	4826518	+
Sepn1	MmuEX0041703	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sepsecs	MmuEX0041704	chr5	53047594	53048750	53048916	53051869	-
Sepsecs	MmuEX0041705	chr5	53047594	53051869	53051971	53055407	-
Sep-01	MmuEX0041706	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sep-10	MmuEX0041708	chr10	58629439	58633562	58633694	58639596	-
Sep-10	MmuEX0041709	chr10	58641605	58643768	58643929	58646273	-
Sep-10	MmuEX0041710	chr10	58646459	58655446	58655563	58684127	-
Sep-10	MmuEX0041711	chr10	58646459	58654914	58655109	58684127	-
Sep-11	MmuEX0041712	chr5	93594407	93596526	93596713	93600365	+
Sep-11	MmuEX0041713	chr5	93596713	93602499	93602563	93605066	+
Sep-11	MmuEX0041714	chr5	93522623	93567464	93567563	93568475	+
Sep-11	MmuEX0041715	chr5	93584082	93585877	93586038	93590176	+
Sep-02	MmuEX0041719	chr1	95375645	95385701	95385731	95387734	+
Sep-02	MmuEX0041720	chr1	95375757	95376041	95376143	95385701	+
Sep-04	MmuEX0041724	chr11	87402778	87402970	87403066	87403158	+
Sep-04	MmuEX0041725	chr11	87392039	87396820	87397116	87397423	+
Sep-04	MmuEX0041727	chr11	87402354	87402470	87402587	87402677	+
Sep-05	MmuEX0041728	chr16	18625348	18625438	18625534	18626181	-
Sep-05	MmuEX0041729	chr16	18623333	18623414	18623510	18624204	-
Sep-06	MmuEX0041730	chrX	34456540	34460364	34460408	34462835	-
Sep-07	MmuEX0041731	chr9	25109122	25111302	25111437	25113711	+
Sep-08	MmuEX0041732	chr11	53345618	53346716	53346858	53347935	+
Sep-08	MmuEX0041733	chr11	53349611	53350154	53350250	53350656	+
Sepw1	MmuEX0041734	chr7	16505466	16505654	16505707	16505798	-
Serac1	MmuEX0041735	chr17	6050819	6051690	6051831	6056607	-
Serac1	MmuEX0041736	chr17	6049013	6049963	6050060	6050725	-
Serac1	MmuEX0041737	chr17	6066792	6067529	6067660	6069299	-
Serac1	MmuEX0041738	chr17	6061661	6064949	6065077	6066671	-

Serac1	MmuEX0041739	chr17	6060365	6061548	6061661	6064949	-
Serac1	MmuEX0041740	chr17	6067660	6071834	6071870	6074156	-
Serac1	MmuEX0041741	chr17	6067660	6070753	6070889	6074156	-
Serac1	MmuEX0041742	chr17	6067660	6069299	6069388	6070753	-
Serbp1	MmuEX0041743	chr6	67217177	67221192	67221342	67221881	+
Serbp1	MmuEX0041744	chr6	67222932	67227755	67227932	67231642	+
Sergef	MmuEX0041745	chr7	53881639	53888030	53888124	53889125	-
Sergef	MmuEX0041746	chr7	53877044	53881579	53881639	53888030	-
Sergef	MmuEX0041747	chr7	53870146	53876931	53877044	53881579	-
Sergef	MmuEX0041748	chr7	53870146	53874066	53874128	53876931	-
Sergef	MmuEX0041749	chr7	53846143	53869988	53870146	53874066	-
Sergef	MmuEX0041750	chr7	53771074	53845977	53846143	53869988	-
Serhl	MmuEX0041751	chr15	82933074	82933364	82933438	82934739	+
Serhl	MmuEX0041752	chr15	82934851	82935236	82935362	82936041	+
Serhl	MmuEX0041753	chr15	82927621	82930224	82930777	82932074	+
Serhl	MmuEX0041754	chr15	82944869	82945997	82946093	82946687	+
Serhl	MmuEX0041755	chr15	82932223	82932302	82932415	82932729	+
Serhl	MmuEX0041756	chr15	82932770	82933055	82933074	82933364	+
Serhl	MmuEX0041757	chr15	82942674	82943184	82943348	82944787	+
Serinc3	MmuEX0041761	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Serinc5	MmuEX0041765	chr13	93463553	93471632	93471698	93475466	+
Serinc5	MmuEX0041766	chr13	93455193	93458073	93458143	93458574	+
Serinc5	MmuEX0041767	chr13	93460994	93463427	93463553	93471632	+
Serpinb1c	MmuEX0041779	chr13	32975913	32976090	32976232	32978023	-
Serpinb1c	MmuEX0041780	chr13	32980878	32988800	32988975	32989814	-
Serpinb6a	MmuEX0041782	chr13	34023515	34027496	34027663	34027791	-
Serpinb6a	MmuEX0041783	chr13	34023515	34088112	34088220	34094335	-
Serpinb6b	MmuEX0041784	chr13	33057412	33060369	33060543	33063340	+
Serpinb8	MmuEX0041786	chr1	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Serpinb9b	MmuEX0041788	chr13	33119469	33121321	33121498	33124785	+
Serpine2	MmuEX0041790	chr1	79813530	79817852	79818132	79855086	-
Serpine2	MmuEX0041791	chr1	79807326	79813303	79813530	79817852	-
Serpinh1	MmuEX0041792	chr7	1.06E+08	1.06E+08	1.06E+08	1.07E+08	-
Serpinh1	MmuEX0041793	chr7	1.06E+08	1.07E+08	1.07E+08	1.07E+08	-
Serpinh1	MmuEX0041794	chr7	1.06E+08	1.07E+08	1.07E+08	1.07E+08	-
Serpini1	MmuEX0041795	chr3	75420684	75423041	75423245	75427781	+
Sertad2	MmuEX0041796	chr11	20443763	20495133	20495217	20496978	+
Sertad4	MmuEX0041798	chr1	1.95E+08	1.95E+08	1.95E+08	1.95E+08	-
Sesn1	MmuEX0041801	chr10	41623610	41624980	41625170	41626142	+
Sesn2	MmuEX0041802	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Sesn3	MmuEX0041803	chr9	14124857	14125516	14125706	14127007	+
Sesn3	MmuEX0041804	chr9	14125706	14127007	14127151	14130064	+
Sestd1	MmuEX0041805	chr2	77030637	77030820	77030865	77034880	-
Setbp1	MmuEX0041806	chr18	79056670	79120728	79120781	79283290	-
Setbp1	MmuEX0041807	chr18	78952564	78979998	78980168	79053223	-
Setd1a	MmuEX0041808	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Setd1a	MmuEX0041809	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+

Setd1a	MmuEX0041810	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Setd2	MmuEX0041811	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Setd2	MmuEX0041812	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Setd2	MmuEX0041813	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Setd2	MmuEX0041814	chr9	1.1E+08	1.1E+08	1.1E+08	1.11E+08	+
Setd2	MmuEX0041815	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Setd2	MmuEX0041816	chr9	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Setd2	MmuEX0041817	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Setd2	MmuEX0041818	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Setd2	MmuEX0041819	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Setd2	MmuEX0041820	chr9	1.1E+08	1.11E+08	1.11E+08	1.11E+08	+
Setd3	MmuEX0041821	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Setd3	MmuEX0041822	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Setd3	MmuEX0041823	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Setd3	MmuEX0041824	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Setd3	MmuEX0041825	chr12	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Setd4	MmuEX0041826	chr16	93585547	93586243	93586318	93586482	-
Setd4	MmuEX0041830	chr16	93583929	93584046	93584145	93585424	-
Setd4	MmuEX0041831	chr16	93591705	93593492	93593577	93596543	-
Setd4	MmuEX0041833	chr16	93588145	93590156	93590330	93591119	-
Setd4	MmuEX0041835	chr16	93599552	93601883	93602043	93603811	-
Setd5	MmuEX0041836	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041837	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041838	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041839	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041840	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041841	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041842	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041843	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041844	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041845	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041846	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041847	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041848	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd5	MmuEX0041849	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Setd6	MmuEX0041850	chr8	98240170	98240253	98240394	98240507	+
Setd6	MmuEX0041851	chr8	98240170	98240507	98240701	98242093	+
Setd6	MmuEX0041852	chr8	98240701	98240821	98240878	98242093	+
Setd6	MmuEX0041853	chr8	98240962	98241821	98242001	98242093	+
Setd6	MmuEX0041854	chr8	98240170	98242093	98242235	98242376	+
Setd7	MmuEX0041855	chr3	51336978	51337255	51337373	51340388	-
Setd8	MmuEX0041856	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Setd8	MmuEX0041857	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Setdb1	MmuEX0041858	chr3	95158615	95159856	95160124	95160987	-
Setdb1	MmuEX0041859	chr3	95145768	95149448	95149521	95150537	-
Setdb1	MmuEX0041860	chr3	95131758	95132470	95132639	95141071	-
Setdb1	MmuEX0041861	chr3	95153795	95158464	95158615	95159856	-

Setdb1	MmuEX0041862	chr3	95128112	95128227	95128315	95128552	-
Setdb1	MmuEX0041863	chr3	95153795	95157337	95158218	95158464	-
Setdb1	MmuEX0041864	chr3	95129805	95130065	95130194	95130308	-
Setdb2	MmuEX0041865	chr14	60045391	60049980	60050105	60056274	-
Setdb2	MmuEX0041866	chr14	60025571	60028015	60028355	60030928	-
Setdb2	MmuEX0041867	chr14	60021253	60025483	60025571	60028015	-
Setdb2	MmuEX0041868	chr14	60050105	60056274	60056602	60059424	-
Setdb2	MmuEX0041869	chr14	60042321	60045326	60045391	60049980	-
Setx	MmuEX0041871	chr2	28985910	28989442	28989551	28994740	+
Setx	MmuEX0041872	chr2	28989551	28992176	28992226	28994740	+
Setx	MmuEX0041873	chr2	28999581	28999698	28999785	29000123	+
Setx	MmuEX0041874	chr2	29012740	29013618	29013785	29014361	+
Setx	MmuEX0041875	chr2	29017385	29018254	29018343	29018498	+
Setx	MmuEX0041876	chr2	28981069	28981372	28981483	28982394	+
Setx	MmuEX0041877	chr2	28982583	28985700	28985910	28989442	+
Setx	MmuEX0041878	chr2	29005627	29009458	29009616	29012508	+
Setx	MmuEX0041879	chr2	29029241	29029839	29030003	29032397	+
Setx	MmuEX0041880	chr2	29032495	29033035	29033122	29034920	+
Setx	MmuEX0041881	chr2	28980356	28982394	28982583	28985700	+
Setx	MmuEX0041882	chr2	28989551	28994740	28994959	28995789	+
Setx	MmuEX0041883	chr2	28994959	28995789	28995908	28999410	+
Sez6l2	MmuEX0041893	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Sez6l2	MmuEX0041895	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Sf1	MmuEX0041896	chr19	6374608	6374719	6374898	6375658	+
Sf1	MmuEX0041897	chr19	6365792	6368364	6368439	6371267	+
Sf1	MmuEX0041898	chr19	6374898	6375658	6375862	6376296	+
Sf3a1	MmuEX0041899	chr11	4077623	4078074	4078228	4079144	+
Sf3a2	MmuEX0041900	chr10	80261550	80262945	80263033	80263941	+
Sf3a3	MmuEX0041901	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Sf3a3	MmuEX0041902	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Sf3b1	MmuEX0041903	chr1	55071406	55071713	55071768	55073220	-
Sf3b2	MmuEX0041904	chr19	5286416	5286577	5286657	5286811	-
Sf3b2	MmuEX0041905	chr19	5288413	5291305	5291422	5293080	-
Sf3b2	MmuEX0041906	chr19	5287626	5287910	5288006	5288304	-
Sf3b3	MmuEX0041907	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Sf3b3	MmuEX0041908	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Sf3b3	MmuEX0041909	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Sfi1	MmuEX0041912	chr11	3040236	3042311	3042413	3043263	-
Sfi1	MmuEX0041913	chr11	3036702	3036949	3037109	3040140	-
Sfi1	MmuEX0041914	chr11	3079510	3085969	3085977	3086068	-
Sfi1	MmuEX0041915	chr11	3036020	3036628	3036702	3036949	-
Sfi1	MmuEX0041916	chr11	3034733	3035286	3035545	3035657	-
Sfi1	MmuEX0041917	chr11	3033210	3034662	3034733	3035657	-
Sfi1	MmuEX0041918	chr11	3033210	3034321	3034504	3035657	-
Sfi1	MmuEX0041919	chr11	3032330	3033075	3033210	3034321	-
Sfi1	MmuEX0041920	chr11	3032330	3032890	3032968	3033075	-
Sfi1	MmuEX0041921	chr11	3087413	3088944	3089059	3093036	-

Sfi1	MmuEX0041922	chr11	3053501	3059988	3060149	3064560	-
Sfi1	MmuEX0041923	chr11	3053501	3057869	3057939	3059988	-
Sfi1	MmuEX0041924	chr11	3053501	3056775	3056867	3057869	-
Sfi1	MmuEX0041925	chr11	3053501	3055402	3055499	3056775	-
Sfi1	MmuEX0041926	chr11	3046295	3053435	3053501	3055402	-
Sfi1	MmuEX0041927	chr11	3045325	3046165	3046295	3053435	-
Sfi1	MmuEX0041928	chr11	3044973	3045244	3045325	3046165	-
Sfi1	MmuEX0041929	chr11	3044295	3044795	3044973	3045244	-
Sfi1	MmuEX0041930	chr11	3042413	3044220	3044295	3044795	-
Sfi1	MmuEX0041931	chr11	3043339	3043698	3043793	3044220	-
Sfi1	MmuEX0041932	chr11	3086139	3087243	3087413	3088881	-
Sfi1	MmuEX0041933	chr11	3042413	3043263	3043339	3044220	-
Sfi1	MmuEX0041934	chr11	3037109	3040140	3040236	3042311	-
Sfi1	MmuEX0041935	chr11	3079510	3086068	3086139	3087243	-
Sfi1	MmuEX0041936	chr11	3070707	3079400	3079510	3086068	-
Sfi1	MmuEX0041937	chr11	3070707	3077430	3077496	3079400	-
Sfi1	MmuEX0041938	chr11	3065681	3070590	3070646	3077430	-
Sfi1	MmuEX0041939	chr11	3064716	3065579	3065681	3070590	-
Sfi1	MmuEX0041941	chr11	3060149	3064560	3064716	3065579	-
Sfmbt1	MmuEX0041942	chr14	31597975	31599000	31599101	31600643	+
Sfmbt1	MmuEX0041943	chr14	31599101	31600643	31600793	31603920	+
Sfmbt1	MmuEX0041944	chr14	31604002	31607958	31608007	31609512	+
Sfmbt1	MmuEX0041945	chr14	31609638	31610762	31610875	31612927	+
Sfmbt1	MmuEX0041946	chr14	31529061	31551725	31551816	31579149	+
Sfmbt1	MmuEX0041947	chr14	31600793	31603920	31604002	31609512	+
Sfpq	MmuEX0041952	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Sfpq	MmuEX0041953	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Sfpq	MmuEX0041954	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Sfpq	MmuEX0041955	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Sfrs18	MmuEX0041956	chr4	21781592	21784327	21784515	21786231	+
Sfrs18	MmuEX0041957	chr4	21801377	21801676	21801819	21802060	+
Sfrs18	MmuEX0041958	chr4	21784515	21786231	21786454	21787967	+
Sfrs18	MmuEX0041959	chr4	21796762	21797499	21797552	21798585	+
Sfswap	MmuEX0041960	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sfswap	MmuEX0041961	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sfswap	MmuEX0041962	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sfswap	MmuEX0041963	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sfswap	MmuEX0041964	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sfswap	MmuEX0041965	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sfswap	MmuEX0041966	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sft2d2	MmuEX0041974	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Sft2d2	MmuEX0041975	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Sft2d2	MmuEX0041976	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Sft2d2	MmuEX0041977	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Sft2d2	MmuEX0041978	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Sft2d2	MmuEX0041979	chr1	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Sfxn1	MmuEX0041982	chr13	54180992	54184258	54184428	54186592	+

Sfxn1	MmuEX0041983	chr13	54184428	54185815	54185874	54186592	+
Sfxn1	MmuEX0041984	chr13	54188455	54188922	54188987	54189223	+
Sfxn1	MmuEX0041985	chr13	54192149	54199413	54199432	54200171	+
Sfxn2	MmuEX0041988	chr19	46666032	46666790	46666837	46669162	+
Sfxn2	MmuEX0041993	chr19	46664691	46664974	46665040	46665611	+
Sfxn3	MmuEX0041994	chr19	45122380	45123594	45123757	45124234	+
Sfxn3	MmuEX0041995	chr19	45123757	45124234	45124404	45124718	+
Sfxn3	MmuEX0041996	chr19	45125215	45125366	45125451	45126586	+
Sfxn3	MmuEX0041997	chr19	45124404	45124722	45124816	45125126	+
Sfxn3	MmuEX0041998	chr19	45126950	45128190	45128209	45128792	+
Sfxn4	MmuEX0041999	chr19	60926977	60927259	60927359	60927915	-
Sfxn4	MmuEX0042000	chr19	60920197	60926862	60926977	60927915	-
Sfxn4	MmuEX0042001	chr19	60918139	60920112	60920197	60926862	-
Sfxn4	MmuEX0042002	chr19	60931755	60933113	60933167	60933253	-
Sfxn4	MmuEX0042003	chr19	60933279	60934567	60934641	60935932	-
Sfxn4	MmuEX0042004	chr19	60931755	60932836	60933030	60933113	-
Sfxn4	MmuEX0042005	chr19	60929963	60931730	60931755	60933113	-
Sfxn5	MmuEX0042010	chr6	85165740	85179188	85179305	85184752	-
Sfxn5	MmuEX0042011	chr6	85184842	85186834	85186949	85206337	-
Sgca	MmuEX0042014	chr11	94832147	94832555	94832753	94833284	-
Sgca	MmuEX0042015	chr11	94833356	94833528	94833682	94833806	-
Sgcb	MmuEX0042016	chr5	74031219	74031922	74032107	74035511	-
Sgcb	MmuEX0042017	chr5	74030753	74031028	74031219	74031922	-
Sgcd	MmuEX0042019	chr11	47008634	47168687	47168875	47192756	-
Sgcd	MmuEX0042020	chr11	46946187	47008533	47008634	47168687	-
Sgcd	MmuEX0042021	chr11	46896353	46939037	46939156	46946100	-
Sgce	MmuEX0042022	chr6	4624632	4627163	4627197	4628067	-
Sgce	MmuEX0042023	chr6	4669496	4687298	4687392	4696980	-
Sgce	MmuEX0042024	chr6	4669496	4680006	4680113	4696980	-
Sgce	MmuEX0042025	chr6	4668078	4669374	4669496	4696980	-
Sgce	MmuEX0042026	chr6	4644184	4667921	4668078	4696980	-
Sgce	MmuEX0042027	chr6	4644184	4661308	4661380	4696980	-
Sgce	MmuEX0042028	chr6	4644184	4657074	4657272	4696980	-
Sgce	MmuEX0042029	chr6	4628110	4644022	4644184	4696980	-
Sgce	MmuEX0042030	chr6	4628110	4641429	4641640	4696980	-
Sgce	MmuEX0042031	chr6	4639767	4640469	4640495	4641429	-
Sgcg	MmuEX0042032	chr14	61840613	61851243	61851362	61855645	-
Sgcg	MmuEX0042033	chr14	61840613	61848409	61848481	61855645	-
Sgcg	MmuEX0042034	chr14	61840613	61844032	61844155	61848409	-
Sgk3	MmuEX0042049	chr1	9871742	9871841	9871972	9874488	+
Sgk3	MmuEX0042050	chr1	9874742	9875748	9875834	9876128	+
Sgk3	MmuEX0042051	chr1	9875834	9876128	9876223	9878951	+
Sgk3	MmuEX0042052	chr1	9876223	9878951	9879106	9881442	+
Sgk3	MmuEX0042053	chr1	9879106	9881442	9881531	9888801	+
Sgk3	MmuEX0042054	chr1	9855429	9858464	9858547	9861711	+
Sgk3	MmuEX0042055	chr1	9858547	9861711	9861783	9862339	+
Sgk3	MmuEX0042056	chr1	9862414	9867247	9867334	9869107	+

Sgk3	MmuEX0042057	chr1	9788327	9817094	9817200	9855212	+
Sgms1	MmuEX0042058	chr19	32364121	32426435	32426513	32462710	-
Sgms1	MmuEX0042060	chr19	32322526	32334466	32334587	32349877	-
Sgms1	MmuEX0042061	chr19	32234853	32297999	32298080	32322484	-
Sgms1	MmuEX0042062	chr19	32234853	32273389	32273477	32297999	-
Sgms1	MmuEX0042063	chr19	32217353	32234014	32234853	32297999	-
Sgms1	MmuEX0042064	chr19	32231869	32231956	32232167	32234014	-
Sgms1	MmuEX0042065	chr19	32199882	32204031	32204184	32217236	-
Sgms1	MmuEX0042066	chr19	32364121	32396304	32396403	32397527	-
Sgms1	MmuEX0042067	chr19	32217353	32231813	32231869	32234014	-
Sgms1	MmuEX0042068	chr19	32217353	32231060	32231137	32231813	-
Sgms1	MmuEX0042069	chr19	32204184	32217236	32217353	32234014	-
Sgms1	MmuEX0042070	chr19	32322526	32364031	32364121	32426435	-
Sgms1	MmuEX0042071	chr19	32298080	32322484	32322526	32364031	-
Sgol2	MmuEX0042079	chr1	58058139	58059738	58059823	58070351	+
Sgpl1	MmuEX0042081	chr10	60570413	60574910	60575038	60576186	-
Sgpl1	MmuEX0042082	chr10	60568268	60569013	60569118	60570325	-
Sgpl1	MmuEX0042083	chr10	60565462	60565869	60566107	60567211	-
Sgpl1	MmuEX0042084	chr10	60564549	60565316	60565462	60565869	-
Sgsh	MmuEX0042088	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Sgsm2	MmuEX0042092	chr11	74664397	74664601	74664768	74665242	-
Sgsm2	MmuEX0042093	chr11	74681247	74681483	74681628	74681726	-
Sgsm2	MmuEX0042094	chr11	74680657	74681113	74681247	74681483	-
Sgsm2	MmuEX0042095	chr11	74664809	74665242	74665338	74666577	-
Sgsm2	MmuEX0042096	chr11	74673401	74677062	74677196	74678587	-
Sgsm2	MmuEX0042097	chr11	74672427	74673248	74673401	74678587	-
Sgsm2	MmuEX0042100	chr11	74678713	74678863	74679023	74680071	-
Sgsm3	MmuEX0042101	chr15	80837243	80837877	80838020	80838281	+
Sgsm3	MmuEX0042102	chr15	80838020	80838169	80838193	80838281	+
Sgsm3	MmuEX0042103	chr15	80838020	80838281	80838476	80838719	+
Sgsm3	MmuEX0042104	chr15	80838476	80838719	80838864	80839114	+
Sgsm3	MmuEX0042105	chr15	80840425	80840659	80840708	80840840	+
Sgsm3	MmuEX0042106	chr15	80841501	80841668	80841790	80841892	+
Sgsm3	MmuEX0042107	chr15	80841790	80841892	80841952	80842086	+
Sgsm3	MmuEX0042108	chr15	80833094	80833790	80833875	80834234	+
Sgsm3	MmuEX0042109	chr15	80833875	80834234	80834300	80836837	+
Sgsm3	MmuEX0042110	chr15	80838864	80839114	80839338	80839654	+
Sgta	MmuEX0042111	chr10	80509309	80510384	80510421	80511125	-
Sgta	MmuEX0042112	chr10	80512626	80512990	80513095	80513744	-
Sh2b1	MmuEX0042118	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sh2b1	MmuEX0042119	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sh2b1	MmuEX0042120	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sh2b1	MmuEX0042121	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sh2b1	MmuEX0042122	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sh2b3	MmuEX0042125	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Sh2d3c	MmuEX0042129	chr2	32583326	32588312	32588445	32593039	+
Sh2d3c	MmuEX0042130	chr2	32593078	32596730	32597175	32600271	+

Sh2d4a	MmuEX0042131	chr8	70818358	70818755	70818898	70820553	+
Sh2d4a	MmuEX0042132	chr8	70800771	70805932	70806310	70818202	+
Sh3bgr	MmuEX0042149	chr16	96422355	96428089	96428274	96435620	+
Sh3bgr	MmuEX0042150	chr16	96428274	96435620	96435700	96441096	+
Sh3bgr	MmuEX0042151	chr16	96435700	96441096	96441167	96442106	+
Sh3bgrl3	MmuEX0042154	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Sh3bp1	MmuEX0042155	chr15	78736933	78737644	78737760	78738391	+
Sh3bp1	MmuEX0042156	chr15	78733061	78733284	78733395	78733489	+
Sh3bp1	MmuEX0042157	chr15	78733395	78733489	78733565	78733983	+
Sh3bp1	MmuEX0042158	chr15	78734127	78734700	78734768	78734894	+
Sh3bp1	MmuEX0042159	chr15	78740529	78741963	78742141	78742360	+
Sh3bp2	MmuEX0042161	chr5	34899628	34899944	34900012	34901650	+
Sh3bp2	MmuEX0042163	chr5	34900012	34900770	34900938	34901650	+
Sh3bp4	MmuEX0042164	chr1	90967172	91003833	91003911	91034134	+
Sh3bp4	MmuEX0042165	chr1	91003911	91034134	91034378	91040125	+
Sh3bp4	MmuEX0042166	chr1	91034378	91040125	91042481	91048775	+
Sh3bp5	MmuEX0042167	chr14	32191506	32192575	32192705	32200905	-
Sh3bp5	MmuEX0042168	chr14	32201069	32224727	32224855	32247269	-
Sh3d19	MmuEX0042173	chr3	85889279	85897612	85897719	85902069	+
Sh3d19	MmuEX0042174	chr3	85908269	85910892	85910960	85911134	+
Sh3d19	MmuEX0042175	chr3	85911274	85917028	85917100	85918709	+
Sh3d19	MmuEX0042176	chr3	85918839	85920741	85920799	85924452	+
Sh3d19	MmuEX0042178	chr3	85887287	85887424	85887577	85888290	+
Sh3gl1	MmuEX0042179	chr17	56158882	56159349	56159421	56159546	-
Sh3gl1	MmuEX0042180	chr17	56157323	56157406	56157530	56157998	-
Sh3gl1	MmuEX0042181	chr17	56159614	56174291	56174512	56175838	-
Sh3glb1	MmuEX0042192	chr3	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Sh3glb1	MmuEX0042193	chr3	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Sh3glb1	MmuEX0042194	chr3	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Sh3glb1	MmuEX0042195	chr3	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Sh3glb2	MmuEX0042196	chr2	30202624	30203845	30203948	30204075	-
Sh3glb2	MmuEX0042197	chr2	30202624	30203003	30203152	30204075	-
Sh3glb2	MmuEX0042198	chr2	30200947	30201219	30201459	30201873	-
Sh3glb2	MmuEX0042199	chr2	30201459	30201579	30201593	30201873	-
Sh3glb2	MmuEX0042200	chr2	30204137	30204746	30204757	30205808	-
Sh3kbp1	MmuEX0042201	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042202	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042203	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042204	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042205	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042206	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042207	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042208	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3kbp1	MmuEX0042209	chrX	1.56E+08	1.56E+08	1.56E+08	1.56E+08	+
Sh3pxd2a	MmuEX0042210	chr19	47499060	47531680	47531758	47538554	-
Sh3pxd2a	MmuEX0042211	chr19	47343426	47344328	47344447	47346498	-
Sh3pxd2a	MmuEX0042212	chr19	47343426	47343676	47343758	47344328	-

Sh3pxd2a	MmuEX0042213	chr19	47447950	47472306	47472381	47498980	-
Sh3pxd2a	MmuEX0042214	chr19	47352920	47357511	47357594	47361095	-
Sh3pxd2a	MmuEX0042216	chr19	47361208	47388525	47388656	47417930	-
Sh3pxd2b	MmuEX0042218	chr11	32311574	32314201	32314427	32315923	+
Sh3pxd2b	MmuEX0042219	chr11	32297091	32303861	32303995	32307562	+
Sh3rf1	MmuEX0042221	chr8	63828499	63832535	63832645	63840385	+
Sh3rf2	MmuEX0042222	chr18	42261455	42263716	42263811	42270773	+
Sh3tc1	MmuEX0042226	chr5	36061749	36064179	36064253	36066563	-
Sh3tc1	MmuEX0042227	chr5	36046180	36048511	36050190	36052294	-
Sh3tc1	MmuEX0042228	chr5	36061025	36061622	36061749	36064179	-
Sh3tc2	MmuEX0042229	chr18	62168233	62171461	62171611	62172687	+
Sh3yl1	MmuEX0042236	chr12	31626994	31627655	31627733	31643713	+
Shank1	MmuEX0042238	chr7	51571511	51571714	51571865	51574447	+
Shank1	MmuEX0042239	chr7	51580772	51581008	51581074	51581326	+
Shank1	MmuEX0042240	chr7	51581656	51582403	51582596	51588662	+
Shank1	MmuEX0042244	chr7	51598550	51599028	51599108	51599876	+
Shank3	MmuEX0042253	chr15	89380313	89387152	89387179	89388166	+
Shank3	MmuEX0042254	chr15	89351804	89354457	89354650	89361774	+
Shank3	MmuEX0042255	chr15	89351804	89355591	89355704	89361774	+
Shank3	MmuEX0042256	chr15	89363885	89368446	89368469	89373531	+
Shank3	MmuEX0042257	chr15	89363885	89373531	89373661	89388166	+
Shank3	MmuEX0042258	chr15	89373661	89374225	89374309	89378057	+
Shank3	MmuEX0042259	chr15	89374309	89378057	89380313	89388166	+
Sharpin	MmuEX0042260	chr15	76178657	76178731	76178865	76180485	-
Sharpin	MmuEX0042261	chr15	76177817	76177912	76178024	76178094	-
Sharpin	MmuEX0042262	chr15	76178865	76180485	76180659	76180911	-
Shb	MmuEX0042263	chr4	45457670	45460378	45460457	45470999	-
Shb	MmuEX0042264	chr4	45436995	45457551	45457670	45460378	-
Shc1	MmuEX0042267	chr3	89222631	89226100	89226267	89226619	+
Shc1	MmuEX0042268	chr3	89227493	89227619	89227738	89228112	+
Shc1	MmuEX0042269	chr3	89227738	89228112	89228165	89228477	+
She	MmuEX0042283	chr3	89638192	89653290	89653595	89655531	+
She	MmuEX0042284	chr3	89653595	89655531	89655672	89656289	+
Shf	MmuEX0042285	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Shf	MmuEX0042286	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Shf	MmuEX0042287	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Shfm1	MmuEX0042288	chr6	6510501	6515266	6515457	6528479	-
Shisa4	MmuEX0042290	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Shisa4	MmuEX0042291	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Shisa5	MmuEX0042292	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Shkbp1	MmuEX0042297	chr7	28140465	28140592	28140645	28140890	-
Shkbp1	MmuEX0042298	chr7	28129755	28130192	28130347	28132021	-
Shkbp1	MmuEX0042299	chr7	28139803	28140233	28140306	28140420	-
Shkbp1	MmuEX0042300	chr7	28130347	28132021	28132191	28133351	-
Shkbp1	MmuEX0042301	chr7	28136905	28136999	28137089	28137614	-
Shmt1	MmuEX0042302	chr11	60606573	60608338	60608454	60611027	-
Shmt1	MmuEX0042303	chr11	60603208	60603648	60603764	60606451	-

Shmt1	MmuEX0042304	chr11	60602818	60603098	60603208	60603648	-
Shmt1	MmuEX0042305	chr11	60615533	60617765	60617910	60620448	-
Shmt2	MmuEX0042306	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Shmt2	MmuEX0042307	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Shoc2	MmuEX0042308	chr19	54019385	54024309	54024433	54061944	+
Shoc2	MmuEX0042309	chr19	54019385	54061944	54062873	54077499	+
Shoc2	MmuEX0042310	chr19	54101028	54102208	54102330	54103959	+
Shoc2	MmuEX0042311	chr19	54024433	54035463	54035592	54061944	+
Shoc2	MmuEX0042312	chr19	54077636	54092039	54092169	54100840	+
Shprh	MmuEX0042315	chr10	10880415	10881917	10882025	10882607	+
Shprh	MmuEX0042316	chr10	10889940	10890045	10890301	10891671	+
Shprh	MmuEX0042318	chr10	10927073	10932120	10932200	10933246	+
Shq1	MmuEX0042319	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Shq1	MmuEX0042320	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Shq1	MmuEX0042321	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Shq1	MmuEX0042322	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Shq1	MmuEX0042323	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Shq1	MmuEX0042324	chr6	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Shroom3	MmuEX0042331	chr5	93372165	93377430	93377503	93379510	+
Shroom3	MmuEX0042332	chr5	93377503	93379510	93380346	93381565	+
Shroom3	MmuEX0042333	chr5	93380346	93381565	93382056	93384287	+
Shroom3	MmuEX0042334	chr5	93327246	93348671	93348802	93362780	+
Shroom3	MmuEX0042335	chr5	93348802	93362780	93362911	93369003	+
Siae	MmuEX0042338	chr9	37441339	37450225	37450382	37452337	+
Siae	MmuEX0042339	chr9	37435423	37438934	37439189	37440543	+
Siah2	MmuEX0042340	chr3	58480365	58489472	58489644	58495318	-
Sidt2	MmuEX0042350	chr9	45756391	45757859	45757924	45758116	-
Sidt2	MmuEX0042351	chr9	45754899	45755067	45755138	45755919	-
Sidt2	MmuEX0042352	chr9	45753867	45754828	45754899	45755067	-
Sidt2	MmuEX0042353	chr9	45749494	45749960	45750065	45750279	-
Sidt2	MmuEX0042354	chr9	45758215	45759843	45759926	45760034	-
Sidt2	MmuEX0042355	chr9	45755138	45755624	45755635	45755919	-
Sidt2	MmuEX0042356	chr9	45747399	45747490	45747590	45749384	-
Sidt2	MmuEX0042357	chr9	45753867	45754589	45754651	45754828	-
Sidt2	MmuEX0042358	chr9	45760135	45760697	45760742	45760832	-
Sidt2	MmuEX0042359	chr9	45755138	45755919	45755971	45756298	-
Sidt2	MmuEX0042360	chr9	45755138	45755712	45755780	45755919	-
Sigirr	MmuEX0042361	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Sigirr	MmuEX0042362	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Sigirr	MmuEX0042363	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Siglece	MmuEX0042368	chr7	50914390	50914580	50914858	50915064	-
Sigmar1	MmuEX0042376	chr4	41686453	41687423	41687515	41687649	-
Sik1	MmuEX0042377	chr17	31988541	31991153	31991269	31991839	-
Sik1	MmuEX0042378	chr17	31985121	31985577	31985793	31985904	-
Sik1	MmuEX0042379	chr17	31986026	31986464	31986619	31986873	-
Sik1	MmuEX0042380	chr17	31985793	31985904	31986026	31986464	-
Sik1	MmuEX0042381	chr17	31991269	31991839	31992009	31992617	-

Sik2	MmuEX0042382	chr9	50706456	50706587	50706871	50707425	-
Sik2	MmuEX0042383	chr9	50704066	50704749	50704840	50705478	-
Sik2	MmuEX0042384	chr9	50706871	50707425	50707653	50715512	-
Sik2	MmuEX0042385	chr9	50701494	50702063	50702186	50703449	-
Sik2	MmuEX0042386	chr9	50715676	50725633	50725757	50743521	-
Sik2	MmuEX0042387	chr9	50715676	50725119	50725242	50743521	-
Sik2	MmuEX0042388	chr9	50715676	50723547	50723767	50743521	-
Sik2	MmuEX0042389	chr9	50715676	50721489	50721641	50743521	-
Sik3	MmuEX0042390	chr9	46006790	46010083	46010153	46012289	+
Sik3	MmuEX0042391	chr9	45986079	45986515	45986638	46002246	+
Sik3	MmuEX0042392	chr9	46010153	46012289	46012432	46016005	+
Sike1	MmuEX0042393	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Sil1	MmuEX0042394	chr18	35598034	35652513	35652620	35658445	-
Sil1	MmuEX0042395	chr18	35577849	35597921	35598034	35658445	-
Sil1	MmuEX0042396	chr18	35485129	35487857	35487960	35500752	-
Sil1	MmuEX0042397	chr18	35598034	35627500	35627597	35652513	-
Sil1	MmuEX0042398	chr18	35577849	35592118	35592205	35597921	-
Sil1	MmuEX0042399	chr18	35508414	35576889	35577013	35577711	-
Sil1	MmuEX0042400	chr18	35500851	35508294	35508414	35577711	-
Sil1	MmuEX0042401	chr18	35426563	35428693	35428857	35429268	-
Sil1	MmuEX0042402	chr18	35508414	35577711	35577849	35597921	-
Sin3a	MmuEX0042406	chr9	56934608	56937185	56937361	56942244	+
Sin3b	MmuEX0042407	chr8	75263387	75265373	75265462	75265709	+
Sin3b	MmuEX0042408	chr8	75265827	75268357	75268564	75268793	+
Sip1	MmuEX0042409	chr12	60115041	60117062	60117195	60117853	+
Sip1	MmuEX0042410	chr12	60119112	60121376	60121420	60125990	+
Sip1	MmuEX0042411	chr12	60121420	60122655	60122723	60125990	+
Sipa1	MmuEX0042412	chr19	5661626	5662588	5662841	5663604	-
Sipa1	MmuEX0042414	chr19	5659723	5660314	5661111	5663604	-
Sipa1	MmuEX0042415	chr19	5651960	5652045	5652146	5652261	-
Sipa1	MmuEX0042416	chr19	5651562	5651636	5651714	5651906	-
Sipa1	MmuEX0042417	chr19	5659510	5659596	5659723	5660314	-
Sipa1	MmuEX0042418	chr19	5655415	5655688	5655791	5656154	-
Sipa1l1	MmuEX0042421	chr12	83473529	83485638	83485741	83488542	+
Sipa1l1	MmuEX0042422	chr12	83526442	83533740	83533979	83534676	+
Sipa1l1	MmuEX0042425	chr12	83458350	83463930	83464118	83473355	+
Sipa1l1	MmuEX0042429	chr12	83412396	83441649	83443486	83458220	+
Sipa1l1	MmuEX0042430	chr12	83523480	83523648	83524082	83526000	+
Sipa1l2	MmuEX0042431	chr8	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Sipa1l2	MmuEX0042432	chr8	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Sipa1l3	MmuEX0042434	chr7	30149327	30151570	30151821	30155984	-
Sipa1l3	MmuEX0042435	chr7	30117409	30123975	30124196	30133291	-
Sipa1l3	MmuEX0042436	chr7	30114147	30116317	30116563	30117244	-
Sipa1l3	MmuEX0042437	chr7	30107306	30109189	30109270	30110782	-
Sipa1l3	MmuEX0042439	chr7	30116563	30116967	30117062	30117244	-
Sipa1l3	MmuEX0042440	chr7	30139201	30149190	30149327	30151570	-
Sirpa	MmuEX0042443	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+

Sirpa	MmuEX0042444	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Sirpa	MmuEX0042445	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Sirpa	MmuEX0042446	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Sirt1	MmuEX0042447	chr10	62794645	62798384	62798625	62799728	-
Sirt1	MmuEX0042448	chr10	62787953	62788787	62788934	62794493	-
Sirt1	MmuEX0042449	chr10	62783712	62784497	62785048	62786715	-
Sirt1	MmuEX0042450	chr10	62788934	62789408	62789532	62794493	-
Sirt1	MmuEX0042451	chr10	62798625	62799728	62799844	62801313	-
Sirt2	MmuEX0042452	chr7	29551886	29552651	29552697	29556830	+
Sirt2	MmuEX0042453	chr7	29570738	29570825	29570901	29570984	+
Sirt2	MmuEX0042454	chr7	29571035	29572602	29572672	29572781	+
Sirt2	MmuEX0042455	chr7	29556878	29557114	29557227	29561877	+
Sirt2	MmuEX0042456	chr7	29572672	29572781	29572847	29572936	+
Sirt2	MmuEX0042457	chr7	29557227	29561877	29561918	29567788	+
Sirt2	MmuEX0042458	chr7	29557227	29562015	29562121	29567788	+
Sirt3	MmuEX0042459	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Sirt3	MmuEX0042460	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Sirt3	MmuEX0042461	chr7	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Sirt4	MmuEX0042462	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Sirt4	MmuEX0042463	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Sirt4	MmuEX0042464	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Sirt5	MmuEX0042465	chr13	43475922	43478478	43478601	43480867	+
Sirt6	MmuEX0042466	chr10	81089362	81089498	81089732	81090217	-
Sirt6	MmuEX0042467	chr10	81088643	81089235	81089362	81090217	-
Sirt6	MmuEX0042468	chr10	81085617	81086461	81086546	81086737	-
Sirt6	MmuEX0042469	chr10	81087861	81088461	81088643	81089235	-
Sirt6	MmuEX0042470	chr10	81089362	81089637	81089645	81090217	-
Sirt7	MmuEX0042471	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Sirt7	MmuEX0042472	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Siva1	MmuEX0042473	chr12	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Skap2	MmuEX0042485	chr6	51946123	51953080	51953105	51953649	-
Skap2	MmuEX0042486	chr6	51872339	51946016	51946123	51953080	-
Skap2	MmuEX0042487	chr6	51824586	51829770	51829847	51857886	-
Ski	MmuEX0042488	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Ski	MmuEX0042489	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Skil	MmuEX0042490	chr3	30994079	30995625	30996112	30996192	+
Skil	MmuEX0042492	chr3	30994079	30996628	30997341	31010547	+
Skiv2l	MmuEX0042494	chr17	34979026	34979757	34979987	34981283	-
Skiv2l	MmuEX0042495	chr17	34978753	34978889	34979026	34979757	-
Skiv2l	MmuEX0042496	chr17	34976550	34976636	34976776	34976942	-
Skiv2l	MmuEX0042497	chr17	34983612	34983812	34983940	34984088	-
Skiv2l	MmuEX0042498	chr17	34983118	34983467	34983612	34983812	-
Skiv2l	MmuEX0042499	chr17	34982259	34982594	34982700	34982773	-
Skiv2l	MmuEX0042500	chr17	34983940	34984088	34984269	34984353	-
Skiv2l	MmuEX0042501	chr17	34985379	34986841	34986944	34987079	-
Skiv2l	MmuEX0042502	chr17	34985170	34985270	34985379	34986841	-
Skiv2l2	MmuEX0042503	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-

Skiv2l2	MmuEX0042504	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skiv2l2	MmuEX0042505	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skiv2l2	MmuEX0042506	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skiv2l2	MmuEX0042507	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skiv2l2	MmuEX0042508	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skiv2l2	MmuEX0042509	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skiv2l2	MmuEX0042510	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Skp1a	MmuEX0042511	chr11	52045620	52050339	52050435	52056089	+
Skp1a	MmuEX0042512	chr11	51894533	52056089	52056162	52058483	+
Skp1a	MmuEX0042513	chr11	51894533	52057117	52057260	52058483	+
Sla	MmuEX0042517	chr15	66633090	66644091	66644359	66663132	-
Sla	MmuEX0042518	chr15	66625342	66632993	66633090	66644091	-
Slain2	MmuEX0042522	chr5	73339965	73346566	73346727	73348532	+
Slain2	MmuEX0042523	chr5	73349525	73357043	73357120	73365770	+
Slain2	MmuEX0042524	chr5	73349525	73365770	73366085	73367236	+
Slamf9	MmuEX0042534	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Slamf9	MmuEX0042535	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Slbp	MmuEX0042536	chr5	33988718	33992392	33992496	33994612	-
Slbp	MmuEX0042537	chr5	33988286	33988659	33988718	33992392	-
Slc10a3	MmuEX0042538	chrX	71616350	71617953	71618021	71618530	-
Slc10a6	MmuEX0042539	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Slc10a6	MmuEX0042540	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Slc10a6	MmuEX0042541	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Slc10a6	MmuEX0042542	chr5	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Slc10a7	MmuEX0042543	chr8	81039567	81040329	81040562	81049061	+
Slc10a7	MmuEX0042544	chr8	81039567	81049061	81049197	81054982	+
Slc10a7	MmuEX0042547	chr8	81186921	81210484	81210567	81221065	+
Slc10a7	MmuEX0042548	chr8	81049197	81054982	81055057	81102618	+
Slc10a7	MmuEX0042549	chr8	81055057	81102618	81102656	81186886	+
Slc10a7	MmuEX0042550	chr8	81221230	81222419	81222470	81230774	+
Slc10a7	MmuEX0042551	chr8	81222470	81230774	81230847	81253517	+
Slc10a7	MmuEX0042552	chr8	81230847	81252080	81252474	81253517	+
Slc11a1	MmuEX0042553	chr1	74423850	74426357	74426463	74426771	+
Slc11a1	MmuEX0042554	chr1	74426463	74426771	74426841	74427183	+
Slc11a1	MmuEX0042555	chr1	74428468	74430012	74430101	74430199	+
Slc11a1	MmuEX0042556	chr1	74431344	74431715	74431868	74431967	+
Slc11a1	MmuEX0042557	chr1	74421895	74422344	74422425	74423367	+
Slc11a1	MmuEX0042558	chr1	74422425	74423367	74423489	74423731	+
Slc11a2	MmuEX0042559	chr15	1E+08	1E+08	1E+08	1E+08	-
Slc11a2	MmuEX0042560	chr15	1E+08	1E+08	1E+08	1E+08	-
Slc11a2	MmuEX0042561	chr15	1E+08	1E+08	1E+08	1E+08	-
Slc11a2	MmuEX0042562	chr15	1E+08	1E+08	1E+08	1E+08	-
Slc11a2	MmuEX0042563	chr15	1E+08	1E+08	1E+08	1E+08	-
Slc12a2	MmuEX0042568	chr18	58075162	58079110	58079221	58081400	+
Slc12a2	MmuEX0042569	chr18	58094652	58095082	58095145	58095962	+
Slc12a2	MmuEX0042570	chr18	58039198	58055936	58056055	58056998	+
Slc12a2	MmuEX0042571	chr18	58057073	58057713	58057808	58058914	+

Slc12a2	MmuEX0042572	chr18	58059786	58061010	58061118	58063778	+
Slc12a2	MmuEX0042573	chr18	58079221	58081400	58081540	58086061	+
Slc12a2	MmuEX0042574	chr18	58092259	58094605	58094652	58095962	+
Slc12a4	MmuEX0042575	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Slc12a4	MmuEX0042576	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Slc12a4	MmuEX0042577	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Slc12a4	MmuEX0042578	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Slc12a6	MmuEX0042584	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Slc12a6	MmuEX0042585	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Slc12a6	MmuEX0042586	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Slc12a6	MmuEX0042587	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Slc12a6	MmuEX0042588	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Slc12a7	MmuEX0042589	chr13	73930239	73930326	73930385	73931372	+
Slc12a7	MmuEX0042590	chr13	73935149	73935867	73935985	73936391	+
Slc12a7	MmuEX0042591	chr13	73935985	73936391	73936489	73937061	+
Slc12a7	MmuEX0042592	chr13	73937937	73938376	73938544	73942862	+
Slc12a7	MmuEX0042593	chr13	73943885	73946433	73946540	73947354	+
Slc12a7	MmuEX0042594	chr13	73946540	73947354	73947532	73950987	+
Slc12a7	MmuEX0042595	chr13	73947532	73948142	73948156	73950987	+
Slc12a7	MmuEX0042596	chr13	73922614	73926013	73926159	73927389	+
Slc12a7	MmuEX0042597	chr13	73926159	73927389	73927443	73928098	+
Slc12a9	MmuEX0042606	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Slc12a9	MmuEX0042607	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Slc12a9	MmuEX0042608	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Slc15a2	MmuEX0042624	chr16	36757342	36757866	36757947	36759312	-
Slc15a2	MmuEX0042625	chr16	36754638	36756136	36756182	36756311	-
Slc15a2	MmuEX0042626	chr16	36752462	36753079	36753225	36753782	-
Slc15a3	MmuEX0042631	chr19	10929567	10930378	10930536	10931673	+
Slc15a4	MmuEX0042632	chr5	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Slc15a4	MmuEX0042633	chr5	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Slc15a4	MmuEX0042634	chr5	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Slc15a4	MmuEX0042635	chr5	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Slc15a4	MmuEX0042636	chr5	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Slc16a10	MmuEX0042639	chr10	39757210	39760405	39760633	39776293	-
Slc16a10	MmuEX0042640	chr10	39776436	39800469	39800613	39861509	-
Slc16a10	MmuEX0042641	chr10	39776436	39796370	39796823	39861509	-
Slc16a10	MmuEX0042643	chr10	39760633	39776293	39776436	39796370	-
Slc16a13	MmuEX0042647	chr11	70032832	70033697	70033840	70033981	-
Slc16a2	MmuEX0042649	chrX	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Slc16a3	MmuEX0042651	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Slc16a6	MmuEX0042656	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Slc16a6	MmuEX0042657	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Slc16a7	MmuEX0042660	chr10	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Slc16a7	MmuEX0042661	chr10	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Slc17a5	MmuEX0042680	chr9	78386106	78388706	78388796	78400741	-
Slc17a5	MmuEX0042681	chr9	78388796	78400741	78400888	78405264	-
Slc17a5	MmuEX0042682	chr9	78418915	78426318	78426514	78435681	-

Slc17a5	MmuEX0042683	chr9	78418915	78424837	78424992	78426318	-
Slc17a5	MmuEX0042684	chr9	78418915	78422457	78422544	78424837	-
Slc17a7	MmuEX0042686	chr7	52428372	52428732	52428859	52430121	+
Slc17a7	MmuEX0042687	chr7	52425858	52426030	52426116	52426217	+
Slc17a7	MmuEX0042688	chr7	52424337	52425187	52425305	52425580	+
Slc19a1	MmuEX0042707	chr10	76505719	76507506	76507647	76512285	+
Slc19a1	MmuEX0042708	chr10	76501324	76504561	76505314	76505527	+
Slc19a2	MmuEX0042709	chr1	1.66E+08	1.66E+08	1.66E+08	1.66E+08	+
Slc1a1	MmuEX0042714	chr19	28977283	28979102	28979224	28979823	+
Slc1a1	MmuEX0042715	chr19	28980017	28983921	28984055	28986144	+
Slc1a5	MmuEX0042723	chr7	17379229	17381107	17381301	17381373	+
Slc1a5	MmuEX0042724	chr7	17372261	17375126	17375286	17378996	+
Slc1a5	MmuEX0042725	chr7	17367824	17371025	17371067	17371698	+
Slc20a1	MmuEX0042732	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Slc20a2	MmuEX0042733	chr8	23587397	23592404	23592526	23593258	+
Slc20a2	MmuEX0042734	chr8	23587397	23645491	23646044	23649276	+
Slc20a2	MmuEX0042735	chr8	23646044	23649276	23649416	23650832	+
Slc22a15	MmuEX0042746	chr3	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc22a17	MmuEX0042752	chr14	55526940	55527098	55527203	55527339	-
Slc22a17	MmuEX0042753	chr14	55526467	55526723	55526940	55527098	-
Slc22a21	MmuEX0042766	chr11	53764857	53765209	53765344	53766503	-
Slc22a21	MmuEX0042767	chr11	53768404	53769487	53769596	53771476	-
Slc22a21	MmuEX0042768	chr11	53766685	53768190	53768404	53771476	-
Slc22a23	MmuEX0042772	chr13	34284148	34285118	34285141	34285263	-
Slc22a23	MmuEX0042773	chr13	34391020	34397027	34397130	34436028	-
Slc22a3	MmuEX0042774	chr17	12616699	12618468	12618580	12619537	-
Slc22a4	MmuEX0042775	chr11	53805587	53808691	53808788	53809466	-
Slc22a4	MmuEX0042776	chr11	53819050	53821270	53821312	53841086	-
Slc22a4	MmuEX0042777	chr11	53811050	53818896	53819050	53841086	-
Slc22a5	MmuEX0042778	chr11	53679398	53679739	53679874	53681025	-
Slc22a5	MmuEX0042779	chr11	53689665	53697163	53697266	53704649	-
Slc22a5	MmuEX0042780	chr11	53688608	53689511	53689665	53704649	-
Slc22a5	MmuEX0042781	chr11	53687296	53688437	53688608	53689511	-
Slc23a2	MmuEX0042793	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Slc23a2	MmuEX0042794	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Slc23a2	MmuEX0042795	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Slc23a2	MmuEX0042796	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Slc23a2	MmuEX0042797	chr2	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Slc24a6	MmuEX0042817	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Slc24a6	MmuEX0042818	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Slc24a6	MmuEX0042819	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Slc24a6	MmuEX0042820	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Slc24a6	MmuEX0042821	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Slc25a1	MmuEX0042822	chr16	17927385	17927460	17927559	17927638	-
Slc25a10	MmuEX0042823	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Slc25a10	MmuEX0042824	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Slc25a10	MmuEX0042825	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+

Slc25a12	MmuEX0042826	chr2	71114579	71114698	71114856	71117573	-
Slc25a12	MmuEX0042827	chr2	71162172	71166491	71166594	71171662	-
Slc25a13	MmuEX0042828	chr6	6081768	6102408	6102523	6130971	-
Slc25a13	MmuEX0042829	chr6	6067245	6081629	6081768	6102408	-
Slc25a13	MmuEX0042830	chr6	6102523	6130971	6131113	6141264	-
Slc25a14	MmuEX0042831	chrX	45984213	45987934	45988028	45990567	+
Slc25a14	MmuEX0042832	chrX	45977005	45977139	45977304	45982429	+
Slc25a14	MmuEX0042833	chrX	45977383	45978773	45978817	45982429	+
Slc25a14	MmuEX0042834	chrX	45978817	45981313	45981360	45982429	+
Slc25a14	MmuEX0042835	chrX	45977005	45982429	45982522	45984066	+
Slc25a15	MmuEX0042836	chr8	23489914	23491310	23491479	23493679	-
Slc25a16	MmuEX0042837	chr10	62391136	62393051	62393184	62395467	+
Slc25a16	MmuEX0042838	chr10	62400287	62400676	62400742	62403790	+
Slc25a16	MmuEX0042839	chr10	62393184	62395467	62395530	62400166	+
Slc25a17	MmuEX0042840	chr15	81170470	81174531	81174591	81191107	-
Slc25a17	MmuEX0042841	chr15	81168517	81170404	81170470	81174531	-
Slc25a17	MmuEX0042842	chr15	81159596	81168366	81168517	81170404	-
Slc25a17	MmuEX0042843	chr15	81159596	81160289	81160411	81168366	-
Slc25a17	MmuEX0042844	chr15	81157566	81157647	81157792	81159480	-
Slc25a19	MmuEX0042846	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Slc25a19	MmuEX0042847	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Slc25a19	MmuEX0042848	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Slc25a19	MmuEX0042849	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Slc25a19	MmuEX0042850	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Slc25a19	MmuEX0042851	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Slc25a22	MmuEX0042856	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a22	MmuEX0042857	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a22	MmuEX0042858	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a22	MmuEX0042859	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a23	MmuEX0042860	chr17	57196092	57196877	57197086	57197531	-
Slc25a23	MmuEX0042861	chr17	57194808	57196005	57196092	57197531	-
Slc25a23	MmuEX0042862	chr17	57192272	57192664	57192771	57192970	-
Slc25a23	MmuEX0042863	chr17	57192771	57192970	57193085	57193207	-
Slc25a24	MmuEX0042864	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc25a24	MmuEX0042865	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc25a25	MmuEX0042866	chr2	32275936	32276176	32276211	32276823	-
Slc25a26	MmuEX0042867	chr6	94450451	94450563	94450655	94457508	+
Slc25a26	MmuEX0042868	chr6	94450451	94457508	94457664	94460746	+
Slc25a26	MmuEX0042869	chr6	94526372	94541450	94541729	94542406	+
Slc25a26	MmuEX0042870	chr6	94457701	94460746	94460855	94484138	+
Slc25a26	MmuEX0042871	chr6	94485762	94526328	94526372	94542406	+
Slc25a26	MmuEX0042872	chr6	94526372	94542406	94542475	94548374	+
Slc25a26	MmuEX0042873	chr6	94460855	94463799	94464035	94484138	+
Slc25a26	MmuEX0042874	chr6	94460855	94484138	94484242	94526328	+
Slc25a26	MmuEX0042875	chr6	94484242	94485715	94485762	94526328	+
Slc25a26	MmuEX0042876	chr6	94485762	94499034	94499189	94526328	+
Slc25a26	MmuEX0042877	chr6	94499189	94500233	94500599	94542406	+

Slc25a26	MmuEX0042878	chr6	94500599	94514219	94514250	94526328	+
Slc25a26	MmuEX0042879	chr6	94485762	94514616	94514699	94526328	+
Slc25a26	MmuEX0042880	chr6	94514699	94514926	94515017	94526328	+
Slc25a27	MmuEX0042881	chr17	43784733	43785958	43786054	43786574	-
Slc25a27	MmuEX0042882	chr17	43794753	43796765	43796847	43798563	-
Slc25a28	MmuEX0042883	chr19	43741633	43744634	43744825	43748966	-
Slc25a28	MmuEX0042884	chr19	43740318	43741405	43741633	43748966	-
Slc25a28	MmuEX0042885	chr19	43740318	43740403	43740467	43741134	-
Slc25a29	MmuEX0042886	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Slc25a3	MmuEX0042887	chr10	90582451	90583456	90583517	90584853	-
Slc25a3	MmuEX0042888	chr10	90582451	90584952	90585076	90586303	-
Slc25a3	MmuEX0042889	chr10	90582451	90584667	90584788	90586303	-
Slc25a30	MmuEX0042890	chr14	76174949	76175919	76176498	76176803	-
Slc25a30	MmuEX0042891	chr14	76171340	76174802	76174949	76176803	-
Slc25a30	MmuEX0042892	chr14	76169468	76169978	76170063	76171246	-
Slc25a30	MmuEX0042893	chr14	76174949	76176803	76176933	76186732	-
Slc25a32	MmuEX0042897	chr15	38933614	38937378	38937528	38943894	-
Slc25a32	MmuEX0042898	chr15	38929788	38931419	38931579	38933529	-
Slc25a32	MmuEX0042899	chr15	38937528	38942939	38942941	38943894	-
Slc25a32	MmuEX0042900	chr15	38927654	38929066	38929211	38929675	-
Slc25a32	MmuEX0042901	chr15	38931579	38933529	38933614	38937378	-
Slc25a33	MmuEX0042902	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a33	MmuEX0042903	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a33	MmuEX0042904	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a33	MmuEX0042905	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc25a34	MmuEX0042906	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Slc25a35	MmuEX0042907	chr11	68782539	68782652	68782757	68784226	+
Slc25a35	MmuEX0042908	chr11	68782539	68784226	68784291	68785171	+
Slc25a35	MmuEX0042909	chr11	68784291	68784698	68784838	68785171	+
Slc25a36	MmuEX0042910	chr9	96993596	96997522	96997599	97000494	-
Slc25a38	MmuEX0042912	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Slc25a38	MmuEX0042913	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Slc25a38	MmuEX0042914	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Slc25a38	MmuEX0042915	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Slc25a39	MmuEX0042916	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc25a39	MmuEX0042917	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc25a39	MmuEX0042918	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc25a40	MmuEX0042919	chr5	8443785	8445242	8445343	8447298	+
Slc25a40	MmuEX0042920	chr5	8423039	8424797	8424887	8427408	+
Slc25a40	MmuEX0042921	chr5	8423039	8427196	8427267	8427408	+
Slc25a40	MmuEX0042922	chr5	8423039	8427408	8427516	8440721	+
Slc25a40	MmuEX0042924	chr5	8443785	8447298	8447407	8452746	+
Slc25a40	MmuEX0042925	chr5	8447407	8449613	8449694	8452746	+
Slc25a42	MmuEX0042929	chr8	72715865	72718023	72718135	72736127	-
Slc25a42	MmuEX0042930	chr8	72712350	72712732	72712848	72713310	-
Slc25a42	MmuEX0042931	chr8	72712848	72713310	72713476	72713890	-
Slc25a44	MmuEX0042934	chr3	88216819	88219910	88220037	88224423	-

Slc25a45	MmuEX0042935	chr19	5879892	5880085	5880156	5880440	+
Slc25a45	MmuEX0042936	chr19	5878095	5878607	5878691	5880085	+
Slc25a45	MmuEX0042937	chr19	5878095	5879849	5879892	5880085	+
Slc25a46	MmuEX0042938	chr18	31765464	31766876	31766918	31769183	-
Slc25a46	MmuEX0042939	chr18	31759886	31762238	31762299	31762377	-
Slc25a46	MmuEX0042940	chr18	31743423	31754231	31754288	31756693	-
Slc25a46	MmuEX0042941	chr18	31756749	31759786	31759886	31762377	-
Slc25a47	MmuEX0042942	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Slc25a47	MmuEX0042943	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Slc26a10	MmuEX0042945	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Slc26a10	MmuEX0042946	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Slc26a10	MmuEX0042947	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Slc26a10	MmuEX0042948	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Slc26a10	MmuEX0042949	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Slc26a10	MmuEX0042950	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Slc26a11	MmuEX0042951	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042952	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042953	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042954	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042955	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042956	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042957	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042958	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042959	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042960	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a11	MmuEX0042961	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc26a2	MmuEX0042962	chr18	61359312	61361335	61362057	61363964	-
Slc26a6	MmuEX0042965	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc26a6	MmuEX0042966	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc26a6	MmuEX0042967	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc27a1	MmuEX0042985	chr8	74104113	74104509	74104600	74104666	+
Slc27a1	MmuEX0042986	chr8	74108905	74109245	74109391	74109801	+
Slc27a1	MmuEX0042987	chr8	74093740	74094095	74094211	74094620	+
Slc27a1	MmuEX0042988	chr8	74093740	74094620	74094787	74103303	+
Slc27a1	MmuEX0042989	chr8	74104600	74104666	74104775	74108017	+
Slc27a1	MmuEX0042990	chr8	74092936	74093241	74093347	74094620	+
Slc27a1	MmuEX0042991	chr8	74108669	74108741	74108905	74109245	+
Slc27a4	MmuEX0042996	chr2	29661530	29662876	29663034	29665182	+
Slc27a4	MmuEX0042997	chr2	29663034	29665182	29665251	29665356	+
Slc29a1	MmuEX0043008	chr17	45726497	45726630	45726769	45726872	-
Slc29a1	MmuEX0043009	chr17	45726254	45726363	45726497	45726630	-
Slc29a1	MmuEX0043010	chr17	45724262	45724511	45724619	45725238	-
Slc29a1	MmuEX0043011	chr17	45729210	45730281	45730381	45732431	-
Slc29a1	MmuEX0043012	chr17	45722731	45723043	45723254	45724177	-
Slc29a1	MmuEX0043013	chr17	45727287	45729128	45729206	45736422	-
Slc29a2	MmuEX0043015	chr19	5029494	5030288	5030490	5031002	+
Slc29a2	MmuEX0043016	chr19	5026497	5027025	5027159	5027343	+

Slc29a2	MmuEX0043017	chr19	5024277	5024511	5024592	5026028	+
Slc29a2	MmuEX0043018	chr19	5024592	5026037	5026188	5026358	+
Slc29a3	MmuEX0043020	chr10	60186738	60193318	60193400	60213134	-
Slc2a1	MmuEX0043024	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Slc2a4	MmuEX0043033	chr11	69758390	69758504	69758608	69758771	-
Slc2a4	MmuEX0043034	chr11	69759455	69759788	69759960	69760070	-
Slc2a4	MmuEX0043035	chr11	69759455	69759571	69759695	69760070	-
Slc2a8	MmuEX0043043	chr2	32831004	32831440	32831548	32831657	-
Slc2a8	MmuEX0043044	chr2	32830503	32830834	32831004	32831657	-
Slc2a8	MmuEX0043045	chr2	32837087	32837241	32837403	32837478	-
Slc2a8	MmuEX0043046	chr2	32831800	32836881	32837059	32837478	-
Slc2a8	MmuEX0043047	chr2	32832580	32835522	32835621	32836881	-
Slc2a8	MmuEX0043048	chr2	32831800	32832381	32832580	32835522	-
Slc30a1	MmuEX0043055	chr1	1.94E+08	1.94E+08	1.94E+08	1.94E+08	+
Slc30a4	MmuEX0043062	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Slc30a4	MmuEX0043063	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Slc30a4	MmuEX0043064	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Slc30a4	MmuEX0043065	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Slc30a5	MmuEX0043066	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043067	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043068	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043069	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043070	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043071	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043072	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a5	MmuEX0043073	chr13	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Slc30a6	MmuEX0043074	chr17	74808728	74809440	74809532	74809674	+
Slc30a6	MmuEX0043075	chr17	74808728	74809674	74809768	74811614	+
Slc30a6	MmuEX0043076	chr17	74809768	74811614	74811662	74811947	+
Slc30a6	MmuEX0043077	chr17	74795008	74801252	74801338	74803344	+
Slc30a6	MmuEX0043078	chr17	74801338	74803344	74803428	74805025	+
Slc30a6	MmuEX0043079	chr17	74815062	74817960	74818007	74822357	+
Slc30a6	MmuEX0043080	chr17	74815062	74818872	74818940	74822357	+
Slc30a7	MmuEX0043081	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a7	MmuEX0043082	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a7	MmuEX0043083	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a7	MmuEX0043084	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a7	MmuEX0043085	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a7	MmuEX0043086	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a7	MmuEX0043087	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc30a9	MmuEX0043088	chr5	67721190	67724293	67724360	67725805	+
Slc30a9	MmuEX0043089	chr5	67715972	67718092	67718191	67718937	+
Slc30a9	MmuEX0043090	chr5	67707084	67715916	67715972	67718092	+
Slc30a9	MmuEX0043091	chr5	67725907	67731190	67731245	67735769	+
Slc30a9	MmuEX0043092	chr5	67725907	67733333	67733468	67735769	+
Slc30a9	MmuEX0043093	chr5	67739324	67741021	67741150	67743891	+
Slc31a1	MmuEX0043094	chr4	62021877	62046526	62046712	62047125	+

Slc31a1	MmuEX0043095	chr4	62047197	62048063	62048155	62048901	+
Slc31a2	MmuEX0043096	chr4	61953732	61956921	61957110	61958009	+
Slc33a1	MmuEX0043097	chr3	63752178	63757736	63757926	63767338	-
Slc33a1	MmuEX0043098	chr3	63751608	63751994	63752178	63757736	-
Slc35a1	MmuEX0043104	chr4	34622880	34630534	34630711	34634493	-
Slc35a1	MmuEX0043105	chr4	34611479	34614653	34614759	34616175	-
Slc35a1	MmuEX0043106	chr4	34616912	34618254	34618452	34619029	-
Slc35a1	MmuEX0043107	chr4	34622431	34622721	34622880	34630534	-
Slc35a1	MmuEX0043108	chr4	34630711	34631298	34631380	34634493	-
Slc35a1	MmuEX0043109	chr4	34619095	34621058	34621177	34622279	-
Slc35a2	MmuEX0043110	chrX	7466889	7469266	7469993	7471317	+
Slc35a2	MmuEX0043111	chrX	7461559	7462875	7463057	7466738	+
Slc35a3	MmuEX0043112	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc35a3	MmuEX0043113	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Slc35a4	MmuEX0043114	chr18	36839277	36840170	36840268	36841182	+
Slc35a5	MmuEX0043115	chr16	45152788	45157574	45157759	45158495	-
Slc35a5	MmuEX0043116	chr16	45151699	45152690	45152788	45157574	-
Slc35a5	MmuEX0043117	chr16	45142325	45142612	45142655	45143734	-
Slc35a5	MmuEX0043118	chr16	45147448	45151566	45151699	45152690	-
Slc35a5	MmuEX0043119	chr16	45144514	45147381	45147448	45151566	-
Slc35b1	MmuEX0043120	chr11	95250520	95251592	95251698	95251839	+
Slc35b1	MmuEX0043121	chr11	95249241	95250394	95250520	95251592	+
Slc35b2	MmuEX0043122	chr17	45701017	45701529	45701722	45701874	+
Slc35b3	MmuEX0043123	chr13	39031841	39033161	39033263	39034928	-
Slc35b3	MmuEX0043124	chr13	39029708	39031744	39031841	39034928	-
Slc35b3	MmuEX0043126	chr13	39024785	39026607	39026676	39029111	-
Slc35b3	MmuEX0043127	chr13	39035035	39045978	39046099	39047518	-
Slc35b3	MmuEX0043129	chr13	39035035	39036369	39036523	39045978	-
Slc35b3	MmuEX0043130	chr13	39031841	39034928	39035035	39036369	-
Slc35b4	MmuEX0043131	chr6	34116423	34117625	34117727	34120461	-
Slc35b4	MmuEX0043132	chr6	34113389	34113589	34113670	34116374	-
Slc35b4	MmuEX0043133	chr6	34113670	34116374	34116423	34117625	-
Slc35b4	MmuEX0043134	chr6	34120574	34122628	34122755	34126778	-
Slc35c2	MmuEX0043135	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Slc35c2	MmuEX0043136	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Slc35c2	MmuEX0043137	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Slc35c2	MmuEX0043138	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Slc35c2	MmuEX0043139	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Slc35d1	MmuEX0043141	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Slc35d1	MmuEX0043142	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Slc35d1	MmuEX0043143	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Slc35d1	MmuEX0043144	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Slc35d1	MmuEX0043145	chr4	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Slc35e1	MmuEX0043156	chr8	75012145	75013351	75013488	75015741	-
Slc35e1	MmuEX0043157	chr8	75008805	75012020	75012145	75015741	-
Slc35e2	MmuEX0043158	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Slc35e2	MmuEX0043159	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+

Slc35e2	MmuEX0043160	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Slc35e2	MmuEX0043161	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Slc35f5	MmuEX0043168	chr1	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Slc35f5	MmuEX0043169	chr1	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Slc35f5	MmuEX0043170	chr1	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Slc35f5	MmuEX0043171	chr1	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Slc35f5	MmuEX0043172	chr1	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Slc36a1	MmuEX0043173	chr11	55027576	55032510	55032600	55033082	+
Slc36a1	MmuEX0043174	chr11	55032600	55033082	55033170	55033878	+
Slc36a2	MmuEX0043175	chr11	54988254	54994209	54994297	54995047	-
Slc36a2	MmuEX0043176	chr11	54988254	54992827	54992922	54994209	-
Slc36a4	MmuEX0043180	chr9	15526465	15527958	15528053	15528965	+
Slc36a4	MmuEX0043181	chr9	15529049	15531255	15531482	15533145	+
Slc36a4	MmuEX0043182	chr9	15531482	15533145	15533243	15537832	+
Slc36a4	MmuEX0043183	chr9	15514281	15524077	15524200	15525144	+
Slc37a1	MmuEX0043184	chr17	31444306	31452439	31452571	31453086	+
Slc37a1	MmuEX0043185	chr17	31459210	31462611	31462648	31465094	+
Slc37a1	MmuEX0043186	chr17	31462648	31465094	31465174	31470517	+
Slc37a1	MmuEX0043187	chr17	31465174	31470517	31470642	31472679	+
Slc37a1	MmuEX0043189	chr17	31472769	31474315	31474377	31474936	+
Slc37a1	MmuEX0043190	chr17	31475021	31475888	31475936	31477157	+
Slc37a1	MmuEX0043191	chr17	31437452	31444225	31444306	31452439	+
Slc37a1	MmuEX0043192	chr17	31453164	31456000	31456135	31457993	+
Slc37a2	MmuEX0043193	chr9	37041505	37041743	37041816	37041978	-
Slc37a2	MmuEX0043194	chr9	37041302	37041427	37041505	37041743	-
Slc37a2	MmuEX0043195	chr9	37045967	37046716	37046792	37047204	-
Slc37a2	MmuEX0043196	chr9	37039241	37040638	37040694	37040895	-
Slc37a2	MmuEX0043197	chr9	37042026	37042670	37042755	37043066	-
Slc37a2	MmuEX0043198	chr9	37045359	37045801	37045967	37046716	-
Slc37a2	MmuEX0043199	chr9	37047339	37048677	37048755	37048874	-
Slc37a2	MmuEX0043200	chr9	37048967	37049464	37049545	37062884	-
Slc37a3	MmuEX0043201	chr6	39322926	39325171	39325227	39327618	-
Slc37a3	MmuEX0043202	chr6	39317045	39327618	39327844	39330557	-
Slc37a3	MmuEX0043203	chr6	39314610	39316888	39317045	39327618	-
Slc37a3	MmuEX0043205	chr6	39297429	39299339	39299517	39300049	-
Slc37a3	MmuEX0043206	chr6	39297429	39298934	39299051	39299339	-
Slc37a3	MmuEX0043207	chr6	39297429	39297724	39297866	39298934	-
Slc37a3	MmuEX0043208	chr6	39288813	39294252	39294403	39295294	-
Slc37a3	MmuEX0043209	chr6	39310041	39314006	39314110	39314502	-
Slc37a3	MmuEX0043210	chr6	39305121	39307399	39307482	39309949	-
Slc37a3	MmuEX0043211	chr6	39302749	39304976	39305121	39307399	-
Slc37a3	MmuEX0043212	chr6	39300133	39302653	39302749	39304976	-
Slc37a3	MmuEX0043213	chr6	39317045	39322846	39322926	39327234	-
Slc37a3	MmuEX0043214	chr6	39317045	39322078	39322136	39327234	-
Slc37a3	MmuEX0043215	chr6	39317045	39321205	39321328	39327234	-
Slc37a3	MmuEX0043216	chr6	39317045	39317643	39317765	39327234	-
Slc37a3	MmuEX0043217	chr6	39310041	39314502	39314610	39316888	-

Slc37a4	MmuEX0043218	chr9	44208730	44208930	44209015	44209504	+
Slc37a4	MmuEX0043219	chr9	44209617	44209790	44209852	44210156	+
Slc38a1	MmuEX0043220	chr15	96446648	96454387	96454600	96472559	-
Slc38a1	MmuEX0043221	chr15	96454600	96471485	96471592	96472922	-
Slc38a10	MmuEX0043222	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043223	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043224	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043225	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043226	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043227	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043228	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043229	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043230	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043231	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043232	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a10	MmuEX0043233	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Slc38a2	MmuEX0043237	chr15	96524069	96525444	96525525	96525647	-
Slc38a2	MmuEX0043238	chr15	96525940	96528353	96528468	96528613	-
Slc38a3	MmuEX0043239	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Slc38a3	MmuEX0043240	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Slc38a4	MmuEX0043241	chr15	96830064	96830762	96830896	96836251	-
Slc38a6	MmuEX0043246	chr12	74388141	74389380	74389510	74393147	+
Slc38a6	MmuEX0043247	chr12	74452882	74453066	74453160	74453444	+
Slc38a6	MmuEX0043248	chr12	74393220	74394686	74394786	74411132	+
Slc38a6	MmuEX0043249	chr12	74393220	74411132	74411184	74419964	+
Slc38a6	MmuEX0043250	chr12	74411184	74411977	74413511	74419964	+
Slc38a6	MmuEX0043255	chr12	74444735	74445780	74445880	74451501	+
Slc38a7	MmuEX0043256	chr8	98368886	98369699	98369843	98370033	-
Slc38a7	MmuEX0043257	chr8	98372668	98376702	98376807	98377372	-
Slc38a9	MmuEX0043258	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Slc38a9	MmuEX0043259	chr13	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Slc38a9	MmuEX0043260	chr13	1.13E+08	1.14E+08	1.14E+08	1.14E+08	+
Slc38a9	MmuEX0043261	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Slc38a9	MmuEX0043262	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Slc38a9	MmuEX0043263	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Slc38a9	MmuEX0043264	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Slc38a9	MmuEX0043265	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Slc38a9	MmuEX0043266	chr13	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Slc39a10	MmuEX0043267	chr1	46892996	46898593	46898726	46910316	-
Slc39a10	MmuEX0043268	chr1	46884357	46889401	46889608	46891972	-
Slc39a10	MmuEX0043269	chr1	46877488	46882938	46883126	46884188	-
Slc39a10	MmuEX0043270	chr1	46869021	46874908	46874988	46875910	-
Slc39a11	MmuEX0043273	chr11	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Slc39a11	MmuEX0043275	chr11	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Slc39a11	MmuEX0043277	chr11	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Slc39a11	MmuEX0043278	chr11	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Slc39a13	MmuEX0043282	chr2	90903863	90904576	90904618	90904872	-

Slc39a13	MmuEX0043283	chr2	90903609	90903813	90903863	90904872	-
Slc39a13	MmuEX0043284	chr2	90905857	90906170	90906283	90908588	-
Slc39a13	MmuEX0043285	chr2	90903320	90903477	90903609	90903813	-
Slc39a13	MmuEX0043286	chr2	90904961	90905063	90905164	90905739	-
Slc39a13	MmuEX0043287	chr2	90908896	90909786	90909810	90910312	-
Slc39a14	MmuEX0043288	chr14	70718747	70731076	70731173	70751087	-
Slc39a14	MmuEX0043289	chr14	70710782	70715471	70715640	70716245	-
Slc39a14	MmuEX0043290	chr14	70710782	70713408	70713577	70716245	-
Slc39a3	MmuEX0043292	chr10	80497754	80499733	80499856	80499949	-
Slc39a3	MmuEX0043293	chr10	80496678	80497663	80497750	80499949	-
Slc39a3	MmuEX0043294	chr10	80494445	80496357	80496678	80497663	-
Slc39a7	MmuEX0043300	chr17	34167679	34167769	34168207	34168493	-
Slc39a9	MmuEX0043302	chr12	81767722	81774213	81774281	81776836	+
Slc39a9	MmuEX0043303	chr12	81774281	81774848	81775038	81776836	+
Slc39a9	MmuEX0043304	chr12	81745403	81745593	81745963	81763457	+
Slc39a9	MmuEX0043305	chr12	81774281	81776836	81776921	81778119	+
Slc39a9	MmuEX0043306	chr12	81776921	81778119	81778253	81780462	+
Slc3a2	MmuEX0043308	chr19	8784273	8786324	8786418	8787220	-
Slc3a2	MmuEX0043309	chr19	8784273	8784465	8784608	8786324	-
Slc40a1	MmuEX0043310	chr1	45975845	45975949	45976015	45978001	-
Slc41a3	MmuEX0043316	chr6	90555002	90561873	90562175	90574806	+
Slc41a3	MmuEX0043317	chr6	90562175	90569484	90569639	90574806	+
Slc41a3	MmuEX0043318	chr6	90590957	90592205	90592339	90594079	+
Slc41a3	MmuEX0043319	chr6	90592339	90594079	90594227	90595563	+
Slc41a3	MmuEX0043320	chr6	90576445	90583605	90583749	90586851	+
Slc41a3	MmuEX0043321	chr6	90583749	90585244	90585390	90586851	+
Slc43a2	MmuEX0043332	chr11	75359332	75374401	75374493	75376274	+
Slc43a2	MmuEX0043333	chr11	75377210	75379906	75379917	75380481	+
Slc43a2	MmuEX0043334	chr11	75381992	75384073	75384146	75385259	+
Slc43a2	MmuEX0043335	chr11	75346290	75356660	75356867	75358184	+
Slc43a2	MmuEX0043336	chr11	75346290	75358184	75358239	75374401	+
Slc43a2	MmuEX0043337	chr11	75346290	75359256	75359332	75374401	+
Slc43a3	MmuEX0043338	chr2	84796543	84796734	84796826	84797843	+
Slc43a3	MmuEX0043339	chr2	84778026	84778380	84778509	84781138	+
Slc43a3	MmuEX0043340	chr2	84778509	84781138	84781184	84784399	+
Slc44a1	MmuEX0043342	chr4	53541620	53549195	53549364	53551262	+
Slc44a1	MmuEX0043343	chr4	53494425	53504260	53504402	53530417	+
Slc44a1	MmuEX0043344	chr4	53504402	53530417	53530553	53541527	+
Slc44a2	MmuEX0043345	chr9	21150437	21151133	21151395	21151479	+
Slc44a2	MmuEX0043346	chr9	21142933	21146223	21146296	21146383	+
Slc44a2	MmuEX0043347	chr9	21153070	21156911	21156995	21158126	+
Slc44a2	MmuEX0043348	chr9	21147102	21147187	21147310	21147408	+
Slc44a2	MmuEX0043349	chr9	21147491	21147579	21147691	21149276	+
Slc44a2	MmuEX0043350	chr9	21156995	21157445	21157572	21158126	+
Slc45a3	MmuEX0043361	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Slc45a4	MmuEX0043362	chr15	73420004	73435872	73436506	73475924	-
Slc45a4	MmuEX0043363	chr15	73417515	73417975	73418154	73419816	-

Slc46a1	MmuEX0043364	chr11	78280705	78282127	78282210	78284197	+
Slc46a1	MmuEX0043365	chr11	78282210	78284197	78284353	78284873	+
Slc46a1	MmuEX0043366	chr11	78279507	78279853	78280705	78282127	+
Slc47a1	MmuEX0043368	chr11	61162233	61162635	61162697	61162947	-
Slc47a1	MmuEX0043369	chr11	61181219	61182753	61182795	61183620	-
Slc47a1	MmuEX0043370	chr11	61177564	61178619	61178704	61178944	-
Slc47a1	MmuEX0043371	chr11	61173130	61176189	61176256	61176329	-
Slc47a1	MmuEX0043372	chr11	61176993	61180031	61180396	61181175	-
Slc4a1ap	MmuEX0043390	chr5	31830057	31830416	31830611	31833006	+
Slc4a1ap	MmuEX0043391	chr5	31837300	31838511	31838697	31842759	+
Slc4a1ap	MmuEX0043392	chr5	31837300	31842759	31842870	31846043	+
Slc4a1ap	MmuEX0043393	chr5	31842870	31846043	31846286	31850984	+
Slc4a1ap	MmuEX0043394	chr5	31846286	31848553	31848639	31850984	+
Slc4a2	MmuEX0043395	chr5	23937483	23938580	23938760	23939922	+
Slc4a2	MmuEX0043396	chr5	23945216	23945555	23945808	23945899	+
Slc4a2	MmuEX0043397	chr5	23946068	23946222	23946393	23946490	+
Slc4a2	MmuEX0043398	chr5	23940057	23940156	23940309	23940453	+
Slc4a2	MmuEX0043399	chr5	23940567	23940651	23940835	23941363	+
Slc4a2	MmuEX0043400	chr5	23941158	23941374	23941578	23941660	+
Slc4a2	MmuEX0043401	chr5	23942089	23944513	23944767	23944874	+
Slc4a3	MmuEX0043402	chr1	75543188	75543347	75543496	75543808	+
Slc4a3	MmuEX0043403	chr1	75550417	75550735	75550883	75551077	+
Slc4a3	MmuEX0043404	chr1	75552680	75553319	75553572	75553848	+
Slc4a3	MmuEX0043405	chr1	75554017	75554202	75554375	75555388	+
Slc4a3	MmuEX0043406	chr1	75543496	75543808	75543973	75544519	+
Slc4a3	MmuEX0043407	chr1	75548827	75549198	75549382	75549831	+
Slc4a4	MmuEX0043409	chr5	89363847	89383803	89383982	89457318	+
Slc4a4	MmuEX0043410	chr5	89658012	89661789	89661885	89663822	+
Slc4a7	MmuEX0043419	chr14	15535794	15561716	15561797	15566236	+
Slc4a7	MmuEX0043420	chr14	15589945	15592749	15592855	15594862	+
Slc4a7	MmuEX0043421	chr14	15578597	15580980	15581137	15582949	+
Slc4a7	MmuEX0043422	chr14	15581137	15582949	15583036	15589799	+
Slc4a7	MmuEX0043423	chr14	15583036	15589799	15589945	15592749	+
Slc4a7	MmuEX0043424	chr14	15595036	15598091	15598224	15599254	+
Slc4a7	MmuEX0043425	chr14	15598224	15599254	15599499	15603723	+
Slc4a7	MmuEX0043426	chr14	15592855	15594862	15595036	15598091	+
Slc4a7	MmuEX0043427	chr14	15605211	15605751	15605864	15607405	+
Slc4a7	MmuEX0043428	chr14	15607566	15607691	15607942	15611340	+
Slc4a7	MmuEX0043429	chr14	15623678	15626464	15626571	15628591	+
Slc4a7	MmuEX0043430	chr14	15572427	15574928	15575296	15578482	+
Slc4a7	MmuEX0043431	chr14	15578597	15580247	15580306	15580980	+
Slc4a8	MmuEX0043437	chr15	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Slc50a1	MmuEX0043443	chr3	89072714	89072972	89073133	89073749	-
Slc5a6	MmuEX0043464	chr5	31339885	31340087	31340265	31340387	-
Slc5a6	MmuEX0043468	chr5	31339885	31340387	31340473	31341315	-
Slc6a6	MmuEX0043515	chr6	91634302	91648983	91649026	91673276	+
Slc6a6	MmuEX0043516	chr6	91674970	91676006	91676240	91685085	+

Slc6a6	MmuEX0043517	chr6	91682578	91685085	91685217	91689871	+
Slc6a6	MmuEX0043518	chr6	91685217	91689871	91690005	91690943	+
Slc6a6	MmuEX0043519	chr6	91691046	91691172	91691296	91694911	+
Slc6a6	MmuEX0043520	chr6	91649026	91661506	91661622	91673276	+
Slc6a6	MmuEX0043521	chr6	91698464	91699721	91699823	91700267	+
Slc6a6	MmuEX0043522	chr6	91699823	91700267	91700367	91702281	+
Slc6a6	MmuEX0043523	chr6	91661622	91662874	91663038	91673276	+
Slc6a6	MmuEX0043524	chr6	91649026	91673276	91673515	91685085	+
Slc6a6	MmuEX0043525	chr6	91673515	91674836	91674970	91685085	+
Slc6a8	MmuEX0043531	chrX	70924527	70925024	70925136	70925258	+
Slc6a8	MmuEX0043532	chrX	70921108	70921989	70922238	70922660	+
Slc6a8	MmuEX0043533	chrX	70925136	70925265	70925386	70925471	+
Slc6a8	MmuEX0043534	chrX	70922792	70923975	70924109	70924205	+
Slc6a8	MmuEX0043535	chrX	70924109	70924205	70924308	70924403	+
Slc7a1	MmuEX0043539	chr5	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc7a1	MmuEX0043540	chr5	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc7a1	MmuEX0043541	chr5	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc7a1	MmuEX0043542	chr5	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Slc7a5	MmuEX0043563	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Slc7a5	MmuEX0043564	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Slc7a5	MmuEX0043565	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Slc7a6	MmuEX0043566	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc7a6	MmuEX0043567	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc7a6	MmuEX0043568	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Slc7a6os	MmuEX0043569	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Slc7a6os	MmuEX0043570	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Slc7a6os	MmuEX0043571	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Slc7a7	MmuEX0043572	chr14	54998909	55027340	55027885	55032717	-
Slc7a7	MmuEX0043578	chr14	54994355	54997450	54997594	54998784	-
Slc7a7	MmuEX0043579	chr14	54994001	54994232	54994355	54997450	-
Slc7a7	MmuEX0043580	chr14	54989960	54993898	54994001	54994232	-
Slc7a7	MmuEX0043581	chr14	54992773	54993526	54993622	54993898	-
Slc7a8	MmuEX0043582	chr14	55356502	55377276	55377427	55378378	-
Slc7a8	MmuEX0043583	chr14	55343088	55343575	55343752	55345572	-
Slc8a1	MmuEX0043591	chr17	81844312	81844827	81844933	82047149	-
Slc8a1	MmuEX0043592	chr17	81837153	81840992	81841006	81841113	-
Slc8a1	MmuEX0043593	chr17	81841130	81844209	81844312	82047149	-
Slc8a1	MmuEX0043594	chr17	81832114	81837085	81837153	81841113	-
Slc9a1	MmuEX0043603	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Slc9a3r1	MmuEX0043609	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Slc9a3r2	MmuEX0043610	chr17	24777334	24777540	24777602	24778654	-
Slc9a5	MmuEX0043618	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Slc9a6	MmuEX0043619	chrX	53873702	53875788	53875865	53876165	+
Slc9a7	MmuEX0043620	chrX	19766046	19779836	19779913	19782492	-
Slc9a7	MmuEX0043622	chrX	19708960	19716039	19716098	19735941	-
Slc9a7	MmuEX0043623	chrX	19736094	19743134	19743239	19763186	-
Slc9a7	MmuEX0043624	chrX	19736094	19739270	19739358	19739560	-

Slc9a7	MmuEX0043625	chrX	19736094	19739054	19739167	19739270	-
Slc9a7	MmuEX0043626	chrX	19736094	19736758	19736869	19739054	-
Slc9a7	MmuEX0043627	chrX	19708960	19735941	19736094	19736758	-
Slc9a8	MmuEX0043628	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043629	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043630	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043631	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043632	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043633	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043634	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043635	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043636	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043637	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a8	MmuEX0043638	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Slc9a9	MmuEX0043640	chr9	94839980	94860817	94860905	94919524	+
Slco2b1	MmuEX0043649	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Slco2b1	MmuEX0043650	chr7	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Slco3a1	MmuEX0043651	chr7	81504805	81649063	81649528	81699297	-
Slco3a1	MmuEX0043652	chr7	81429555	81442107	81442171	81448008	-
Slco5a1	MmuEX0043661	chr1	12911283	12929070	12929281	12934061	-
Slco5a1	MmuEX0043662	chr1	12884706	12911119	12911283	12929070	-
Slco5a1	MmuEX0043663	chr1	12871533	12884508	12884706	12911119	-
Slfn4	MmuEX0043673	chr11	82993258	83000027	83001066	83002165	+
Slfn5	MmuEX0043674	chr11	82765241	82765487	82765697	82768219	+
Slfn5	MmuEX0043675	chr11	82765697	82768219	82768284	82769765	+
Slk	MmuEX0043701	chr19	47654833	47677290	47677497	47683395	+
Slk	MmuEX0043702	chr19	47696856	47697061	47697184	47699795	+
Slk	MmuEX0043703	chr19	47710088	47710833	47710957	47711700	+
Slk	MmuEX0043704	chr19	47691093	47693681	47693809	47694093	+
Slk	MmuEX0043705	chr19	47683559	47686065	47686113	47686392	+
Slk	MmuEX0043706	chr19	47699974	47702138	47702230	47709959	+
Slmap	MmuEX0043707	chr14	27293457	27302305	27302452	27352814	-
Slmap	MmuEX0043708	chr14	27288031	27289850	27289886	27293385	-
Slmap	MmuEX0043709	chr14	27285149	27287969	27288031	27289850	-
Slmap	MmuEX0043710	chr14	27284758	27285054	27285149	27287969	-
Slmap	MmuEX0043711	chr14	27247802	27249274	27249396	27258165	-
Slmap	MmuEX0043712	chr14	27289886	27293385	27293457	27302305	-
Slmap	MmuEX0043713	chr14	27234474	27235689	27235778	27237599	-
Slmap	MmuEX0043714	chr14	27262120	27279390	27279440	27279528	-
Slmap	MmuEX0043715	chr14	27262120	27278896	27278946	27279528	-
Slmap	MmuEX0043716	chr14	27262120	27273024	27273086	27279528	-
Slmap	MmuEX0043717	chr14	27258514	27262061	27262120	27279528	-
Slmo2	MmuEX0043720	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Slmo2	MmuEX0043721	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Slmo2	MmuEX0043722	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Slmo2	MmuEX0043723	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	-
Sltm	MmuEX0043724	chr9	70390888	70391777	70391864	70406844	+

Sltm	MmuEX0043725	chr9	70410668	70413368	70413421	70419956	+
Sltm	MmuEX0043726	chr9	70421732	70422383	70422432	70424529	+
Sltm	MmuEX0043727	chr9	70428137	70428590	70428675	70429108	+
Sltm	MmuEX0043728	chr9	70431919	70432560	70432684	70433731	+
Sltm	MmuEX0043729	chr9	70432684	70433731	70433895	70434442	+
Sltm	MmuEX0043730	chr9	70419983	70421492	70421732	70422383	+
Sltm	MmuEX0043731	chr9	70429271	70431739	70431919	70432560	+
Sltm	MmuEX0043732	chr9	70391864	70406844	70406908	70419956	+
Sltm	MmuEX0043733	chr9	70406908	70409583	70409780	70419956	+
Sltm	MmuEX0043734	chr9	70409780	70410621	70410668	70419956	+
Slu7	MmuEX0043735	chr11	43247321	43250847	43251032	43251625	+
Slu7	MmuEX0043736	chr11	43247321	43248556	43248713	43250847	+
Slu7	MmuEX0043737	chr11	43247321	43249856	43249934	43250847	+
Slx1b	MmuEX0043739	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Slx4	MmuEX0043740	chr16	3980994	3981585	3981687	3984991	-
Slx4	MmuEX0043741	chr16	3995877	3999118	3999345	4000953	-
Slx4	MmuEX0043742	chr16	3994920	3995694	3995877	3999113	-
Slx4	MmuEX0043743	chr16	3981687	3982979	3983242	3984991	-
Smad1	MmuEX0043744	chr8	81877345	81880111	81880368	81895683	-
Smad1	MmuEX0043745	chr8	81873711	81877229	81877345	81880111	-
Smad2	MmuEX0043746	chr18	76452638	76458102	76458155	76459437	+
Smad2	MmuEX0043747	chr18	76459649	76461733	76461870	76462037	+
Smad2	MmuEX0043748	chr18	76401886	76422099	76422381	76446514	+
Smad2	MmuEX0043749	chr18	76422381	76446514	76446603	76447582	+
Smad3	MmuEX0043750	chr9	63515413	63515536	63515729	63605279	-
Smad3	MmuEX0043751	chr9	63500432	63502493	63502630	63503358	-
Smad3	MmuEX0043752	chr9	63503570	63511472	63511522	63513955	-
Smad4	MmuEX0043753	chr18	73800123	73801437	73801575	73808525	-
Smad4	MmuEX0043754	chr18	73816899	73818433	73818552	73822312	-
Smad4	MmuEX0043755	chr18	73816899	73818222	73818338	73822312	-
Smad5	MmuEX0043756	chr13	56804492	56807437	56807558	56817406	+
Smad5	MmuEX0043757	chr13	56804492	56824790	56825357	56828765	+
Smad6	MmuEX0043758	chr9	63855415	63860022	63860078	63868012	-
Smad6	MmuEX0043759	chr9	63801863	63855338	63855415	63868012	-
Smad6	MmuEX0043760	chr9	63801863	63837279	63837359	63855338	-
Smad7	MmuEX0043761	chr18	75530602	75535531	75535602	75553481	+
Smapi1	MmuEX0043764	chr1	23853402	23855103	23855410	23856142	-
Smapi1	MmuEX0043765	chr1	23853402	23854558	23854680	23855103	-
Smapi1	MmuEX0043766	chr1	23873136	23878277	23878357	23883213	-
Smapi2	MmuEX0043767	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Smapi2	MmuEX0043768	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Smarca2	MmuEX0043771	chr19	26790682	26795219	26795437	26826314	+
Smarca2	MmuEX0043772	chr19	26795437	26824342	26824437	26826314	+
Smarca2	MmuEX0043773	chr19	26824437	26825612	26825646	26826314	+
Smarca2	MmuEX0043774	chr19	26694434	26698371	26698500	26705160	+
Smarca2	MmuEX0043775	chr19	26826531	26834368	26834421	26845428	+
Smarca2	MmuEX0043776	chr19	26826531	26845428	26845533	26845998	+

Smarca4	MmuEX0043777	chr9	21420844	21437249	21437498	21439194	+
Smarca4	MmuEX0043778	chr9	21479674	21481894	21482121	21482760	+
Smarca4	MmuEX0043779	chr9	21482121	21482760	21482837	21483373	+
Smarca4	MmuEX0043780	chr9	21437498	21439194	21439326	21439980	+
Smarca4	MmuEX0043781	chr9	21482121	21482397	21482495	21482760	+
Smarca4	MmuEX0043782	chr9	21483591	21490466	21490719	21504244	+
Smarcad1	MmuEX0043783	chr6	64992724	64993200	64993439	65002614	+
Smarcad1	MmuEX0043784	chr6	65017132	65021293	65021378	65021979	+
Smarcad1	MmuEX0043785	chr6	65033997	65035722	65035898	65040090	+
Smarcad1	MmuEX0043786	chr6	65040180	65040751	65040854	65042489	+
Smarcad1	MmuEX0043787	chr6	65040180	65042489	65042588	65044125	+
Smarcad1	MmuEX0043788	chr6	65048699	65048790	65048907	65049260	+
Smarcad1	MmuEX0043789	chr6	65044184	65044284	65044359	65046025	+
Smarcad1	MmuEX0043790	chr6	65060546	65061770	65061879	65064295	+
Smarcad1	MmuEX0043791	chr6	64993439	64993830	64994102	65002614	+
Smarcad1	MmuEX0043792	chr6	64993439	65000037	65000123	65002614	+
Smarcad1	MmuEX0043793	chr6	65025144	65025685	65025831	65033798	+
Smarcal1	MmuEX0043794	chr1	72630012	72630065	72630151	72630189	+
Smarcal1	MmuEX0043795	chr1	72630012	72632212	72632978	72633625	+
Smarcal1	MmuEX0043796	chr1	72674775	72675735	72675806	72675949	+
Smarcal1	MmuEX0043797	chr1	72633675	72634196	72634395	72637637	+
Smarcb1	MmuEX0043798	chr10	75377938	75379518	75379656	75384048	-
Smarcc1	MmuEX0043799	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Smarcc1	MmuEX0043800	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Smarcc1	MmuEX0043801	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Smarcc1	MmuEX0043802	chr9	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Smarcc2	MmuEX0043803	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043804	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043805	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043806	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043807	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043808	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043809	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcc2	MmuEX0043810	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Smarcd1	MmuEX0043811	chr15	99539847	99541524	99541646	99542590	+
Smarcd1	MmuEX0043812	chr15	99532929	99533673	99533724	99534022	+
Smarcd1	MmuEX0043813	chr15	99534895	99536058	99536174	99537742	+
Smarcd2	MmuEX0043814	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Smarcd2	MmuEX0043815	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Smarcd3	MmuEX0043816	chr5	24099837	24100650	24100811	24100961	-
Smarcd3	MmuEX0043817	chr5	24101663	24101770	24101892	24102625	-
Smarce1	MmuEX0043818	chr11	99082049	99089589	99089862	99091716	-
Smarce1	MmuEX0043820	chr11	99082049	99089811	99089862	99091487	-
Smc1a	MmuEX0043822	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043823	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043824	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043825	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+

Smc1a	MmuEX0043826	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043827	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043828	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043829	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043830	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc1a	MmuEX0043831	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Smc2	MmuEX0043846	chr4	52464249	52470134	52470367	52471287	+
Smc3	MmuEX0043850	chr19	53702444	53702543	53702642	53703157	+
Smc3	MmuEX0043851	chr19	53703875	53705977	53706127	53708449	+
Smc3	MmuEX0043852	chr19	53689663	53692559	53692630	53692957	+
Smc4	MmuEX0043853	chr3	68822133	68823097	68823247	68825158	+
Smc4	MmuEX0043854	chr3	68825322	68826148	68826381	68828087	+
Smc4	MmuEX0043855	chr3	68831640	68831741	68831820	68832367	+
Smc4	MmuEX0043856	chr3	68836811	68836948	68837180	68837860	+
Smc4	MmuEX0043857	chr3	68837180	68837860	68838043	68838296	+
Smc4	MmuEX0043858	chr3	68813582	68818869	68819010	68820015	+
Smc4	MmuEX0043859	chr3	68820179	68820574	68820701	68821993	+
Smc4	MmuEX0043860	chr3	68833449	68834165	68834354	68835330	+
Smc4	MmuEX0043861	chr3	68810146	68811186	68811289	68820015	+
Smc4	MmuEX0043862	chr3	68811289	68811851	68812042	68813406	+
Smc4	MmuEX0043863	chr3	68810146	68813406	68813582	68820015	+
Smc5	MmuEX0043864	chr19	23293020	23302664	23302786	23303405	-
Smc5	MmuEX0043865	chr19	23293020	23296990	23297123	23302664	-
Smc5	MmuEX0043866	chr19	23335957	23338094	23338256	23340156	-
Smc5	MmuEX0043867	chr19	23285093	23288241	23288360	23288556	-
Smc5	MmuEX0043868	chr19	23289230	23289645	23289689	23292895	-
Smc5	MmuEX0043869	chr19	23310458	23313375	23313488	23317126	-
Smc6	MmuEX0043870	chr12	11301889	11303956	11304091	11305068	+
Smc6	MmuEX0043871	chr12	11308473	11311321	11312092	11312884	+
Smc6	MmuEX0043872	chr12	11313009	11316005	11316110	11321413	+
Smc6	MmuEX0043873	chr12	11321565	11323425	11323522	11324576	+
Smc6	MmuEX0043874	chr12	11286547	11287147	11287208	11289166	+
Smc6	MmuEX0043875	chr12	11289246	11289877	11289978	11291904	+
Smc6	MmuEX0043876	chr12	11304091	11305068	11305148	11306065	+
Smc6	MmuEX0043877	chr12	11273094	11277315	11277606	11278535	+
Smc6	MmuEX0043878	chr12	11278677	11280800	11280917	11286411	+
Smc6	MmuEX0043879	chr12	11280917	11283066	11283171	11286411	+
Smchd1	MmuEX0043881	chr17	71813263	71814934	71815009	71824319	-
Smchd1	MmuEX0043882	chr17	71805840	71813102	71813263	71824319	-
Smchd1	MmuEX0043883	chr17	71790454	71791216	71791306	71793222	-
Smchd1	MmuEX0043884	chr17	71776883	71777512	71777625	71778802	-
Smchd1	MmuEX0043885	chr17	71775608	71775780	71775862	71776777	-
Smchd1	MmuEX0043886	chr17	71764494	71764941	71765018	71775495	-
Smchd1	MmuEX0043887	chr17	71744284	71744432	71744537	71747892	-
Smchd1	MmuEX0043888	chr17	71805075	71805758	71805840	71813102	-
Smchd1	MmuEX0043889	chr17	71739201	71739767	71739855	71740692	-
Smchd1	MmuEX0043890	chr17	71726418	71727488	71727603	71728882	-

Smchd1	MmuEX0043891	chr17	71714812	71718935	71719009	71719148	-
Smchd1	MmuEX0043892	chr17	71798186	71804945	71805075	71805758	-
Smchd1	MmuEX0043893	chr17	71797972	71798072	71798186	71804945	-
Smchd1	MmuEX0043894	chr17	71699088	71702726	71702897	71707477	-
Smcr7	MmuEX0043895	chr11	60543937	60544132	60544294	60544418	+
Smcr7l	MmuEX0043896	chr15	80064611	80064864	80064988	80065112	+
Smcr7l	MmuEX0043897	chr15	80066583	80074949	80075147	80077167	+
Smcr7l	MmuEX0043898	chr15	80064988	80065112	80065210	80066235	+
Smek1	MmuEX0043899	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek1	MmuEX0043900	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek1	MmuEX0043901	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek1	MmuEX0043902	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek1	MmuEX0043903	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek1	MmuEX0043904	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek1	MmuEX0043905	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Smek2	MmuEX0043906	chr11	29102908	29105129	29105237	29105546	+
Smek2	MmuEX0043907	chr11	29109434	29110902	29111004	29111116	+
Smek2	MmuEX0043908	chr11	29111791	29113594	29113796	29118456	+
Smek2	MmuEX0043909	chr11	29094650	29096174	29096290	29097093	+
Smek2	MmuEX0043910	chr11	29082545	29087951	29088286	29094573	+
Smek2	MmuEX0043911	chr11	29100803	29102867	29102908	29105546	+
Smek2	MmuEX0043912	chr11	29102908	29105546	29105704	29109317	+
Smg1	MmuEX0043913	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043914	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043915	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043916	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043917	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043918	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043919	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043920	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043921	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043922	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043923	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043924	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043925	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043926	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043927	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043928	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043929	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg1	MmuEX0043930	chr7	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Smg5	MmuEX0043931	chr3	88155503	88155606	88155683	88156885	+
Smg5	MmuEX0043932	chr3	88163108	88163470	88163560	88164253	+
Smg5	MmuEX0043933	chr3	88164327	88164676	88164814	88164947	+
Smg6	MmuEX0043934	chr11	74739505	74742035	74742267	74742495	+
Smg6	MmuEX0043935	chr11	74855538	74867264	74867465	74952695	+
Smg6	MmuEX0043936	chr11	74867465	74956259	74956405	74969663	+
Smg6	MmuEX0043937	chr11	74867465	74952695	74952871	74956259	+

Smg6	MmuEX0043938	chr11	74739505	74742495	74744250	74745079	+
Smg6	MmuEX0043939	chr11	74795415	74801238	74801312	74803572	+
Smg6	MmuEX0043940	chr11	74739505	74803572	74803717	74852115	+
Smg6	MmuEX0043941	chr11	74739505	74745079	74745271	74795354	+
Smg6	MmuEX0043942	chr11	74739505	74745843	74745953	74795354	+
Smg6	MmuEX0043943	chr11	74739505	74748497	74748603	74795354	+
Smg6	MmuEX0043944	chr11	74739505	74748861	74748939	74795354	+
Smg6	MmuEX0043945	chr11	74748939	74750901	74750917	74759024	+
Smg6	MmuEX0043946	chr11	74739505	74759024	74759134	74795354	+
Smg6	MmuEX0043947	chr11	74759134	74759509	74759721	74795354	+
Smg6	MmuEX0043948	chr11	74759721	74795354	74795415	74803572	+
Smg7	MmuEX0043949	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Smg7	MmuEX0043950	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Smg7	MmuEX0043951	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Smg7	MmuEX0043952	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Smg7	MmuEX0043953	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Smg7	MmuEX0043954	chr1	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Smn1	MmuEX0043955	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Smn1	MmuEX0043956	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Smn1	MmuEX0043957	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Smn1	MmuEX0043958	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Smndc1	MmuEX0043959	chr19	53459086	53460863	53461046	53463793	-
Smo	MmuEX0043960	chr6	29686353	29700392	29701106	29703470	+
Smo	MmuEX0043961	chr6	29686353	29703470	29703675	29704322	+
Smo	MmuEX0043962	chr6	29707365	29708336	29708521	29708866	+
Smoc1	MmuEX0043966	chr12	82253740	82268494	82268686	82269216	+
Smoc1	MmuEX0043967	chr12	82280710	82284975	82285028	82285536	+
Smoc2	MmuEX0043968	chr17	14506101	14512444	14512526	14534528	+
Smoc2	MmuEX0043969	chr17	14462713	14473554	14473660	14505915	+
Smoc2	MmuEX0043970	chr17	14462713	14474669	14474768	14505915	+
Smoc2	MmuEX0043971	chr17	14474768	14481334	14481381	14505915	+
Smoc2	MmuEX0043972	chr17	14481381	14484214	14484264	14505915	+
Smoc2	MmuEX0043973	chr17	14484264	14485711	14485785	14505915	+
Smox	MmuEX0043974	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Smox	MmuEX0043975	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Smox	MmuEX0043976	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Smox	MmuEX0043977	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Smox	MmuEX0043978	chr2	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Smpd1	MmuEX0043979	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Smpd2	MmuEX0043980	chr10	41208629	41208737	41208781	41209081	-
Smpd4	MmuEX0043983	chr16	17629291	17632079	17632150	17635575	+
Smpd4	MmuEX0043984	chr16	17619753	17620679	17620723	17621535	+
Smpd4	MmuEX0043985	chr16	17619753	17620805	17620855	17621535	+
Smpd4	MmuEX0043986	chr16	17619753	17621535	17621618	17623998	+
Smpd4	MmuEX0043987	chr16	17621618	17623998	17624084	17625789	+
Smpd4	MmuEX0043988	chr16	17625955	17626037	17626112	17626523	+
Smpd4	MmuEX0043989	chr16	17626631	17626732	17626784	17629162	+

Smpd4	MmuEX0043990	chr16	17626784	17626895	17627046	17629162	+
Smpd4	MmuEX0043991	chr16	17639938	17640062	17640100	17640219	+
Smpd4	MmuEX0043992	chr16	17639938	17640219	17640382	17640958	+
Smpd4	MmuEX0043993	chr16	17632150	17635575	17635661	17638589	+
Smpd4	MmuEX0043994	chr16	17638734	17639367	17639457	17639838	+
Smpx	MmuEX0043996	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Smpx	MmuEX0043997	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Smpx	MmuEX0043998	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Smpx	MmuEX0043999	chrX	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Smtn	MmuEX0044003	chr11	3433526	3437326	3437439	3439115	-
Smtn	MmuEX0044004	chr11	3424948	3425045	3425209	3426168	-
Smtn	MmuEX0044005	chr11	3424729	3424886	3424948	3425045	-
Smtn	MmuEX0044006	chr11	3417830	3420851	3420919	3421820	-
Smtn	MmuEX0044007	chr11	3430285	3431205	3431525	3432414	-
Smtn	MmuEX0044008	chr11	3430285	3431048	3431120	3432414	-
Smtn	MmuEX0044009	chr11	3430285	3430373	3430444	3432414	-
Smtnl2	MmuEX0044011	chr11	72216002	72216513	72216752	72217419	-
Smu1	MmuEX0044012	chr4	40702870	40704310	40704403	40704810	-
Smu1	MmuEX0044013	chr4	40692601	40695572	40695691	40698958	-
Smug1	MmuEX0044014	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Smug1	MmuEX0044015	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Smurf1	MmuEX0044016	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Smurf1	MmuEX0044017	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Smurf1	MmuEX0044018	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Smurf1	MmuEX0044019	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Smurf1	MmuEX0044020	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Smurf1	MmuEX0044021	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Smurf2	MmuEX0044022	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044023	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044024	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044025	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044026	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044027	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044028	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smurf2	MmuEX0044029	chr11	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Smyd1	MmuEX0044030	chr6	71169415	71170922	71171014	71175326	-
Smyd1	MmuEX0044031	chr6	71175515	71185337	71185375	71187351	-
Smyd2	MmuEX0044032	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	-
Smyd2	MmuEX0044033	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	-
Smyd2	MmuEX0044034	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	-
Smyd2	MmuEX0044035	chr1	1.92E+08	1.92E+08	1.92E+08	1.92E+08	-
Smyd3	MmuEX0044036	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Smyd3	MmuEX0044037	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Smyd3	MmuEX0044039	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Smyd4	MmuEX0044040	chr11	75163316	75195752	75195896	75200913	+
Smyd4	MmuEX0044041	chr11	75213947	75215620	75215752	75216611	+
Smyd4	MmuEX0044042	chr11	75215752	75216611	75216727	75216919	+

Smyd4	MmuEX0044043	chr11	75216727	75216919	75217042	75218268	+
Smyd4	MmuEX0044044	chr11	75195896	75200913	75200991	75203574	+
Smyd4	MmuEX0044045	chr11	75201002	75203574	75203642	75203760	+
Smyd5	MmuEX0044046	chr6	85382094	85388102	85388210	85388744	+
Smyd5	MmuEX0044047	chr6	85391616	85391732	85391802	85392105	+
Smyd5	MmuEX0044048	chr6	85391802	85392105	85392211	85392593	+
Smyd5	MmuEX0044049	chr6	85392211	85392593	85392649	85394237	+
Smyd5	MmuEX0044050	chr6	85394331	85394912	85394982	85395063	+
Snap23	MmuEX0044051	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044052	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044053	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044054	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044055	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044056	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044057	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap23	MmuEX0044058	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Snap47	MmuEX0044062	chr11	59235151	59236170	59236219	59241843	-
Snap47	MmuEX0044063	chr11	59221312	59235027	59235151	59241843	-
Snap47	MmuEX0044064	chr11	59252021	59256294	59256343	59258783	-
Snap91	MmuEX0044066	chr9	86733702	86734347	86734489	86774257	-
Snap91	MmuEX0044067	chr9	86719912	86729944	86730055	86731463	-
Snap91	MmuEX0044068	chr9	86704383	86707915	86707920	86710265	-
Snap91	MmuEX0044069	chr9	86668457	86669031	86669114	86670426	-
Snap91	MmuEX0044070	chr9	86678267	86693665	86693679	86699278	-
Snap91	MmuEX0044071	chr9	86678267	86693373	86693534	86699278	-
Snap91	MmuEX0044072	chr9	86687571	86688192	86688299	86693373	-
Snap91	MmuEX0044073	chr9	86678267	86687300	86687571	86699278	-
Snap91	MmuEX0044074	chr9	86678267	86686997	86687074	86699278	-
Snap91	MmuEX0044075	chr9	86678267	86686787	86686858	86699278	-
Snap91	MmuEX0044076	chr9	86678267	86686318	86686401	86699278	-
Snap91	MmuEX0044077	chr9	86678267	86684889	86684972	86699278	-
Snapc1	MmuEX0044078	chr12	75069366	75070514	75070618	75071168	+
Snapc1	MmuEX0044079	chr12	75071326	75072872	75072940	75073524	+
Snapc1	MmuEX0044080	chr12	75076148	75083465	75083566	75084850	+
Snapc1	MmuEX0044081	chr12	75076148	75080459	75080610	75083465	+
Snapc1	MmuEX0044082	chr12	75065733	75068334	75068424	75068895	+
Snapc2	MmuEX0044083	chr8	4253304	4254282	4254401	4254551	+
Snapc3	MmuEX0044084	chr4	83081199	83082228	83082377	83087791	+
Snapc3	MmuEX0044085	chr4	83082377	83083491	83083627	83087791	+
Snapc3	MmuEX0044086	chr4	83087873	83095975	83096139	83097109	+
Snapc3	MmuEX0044087	chr4	83064687	83073686	83073770	83081095	+
Snapc3	MmuEX0044088	chr4	83100052	83100919	83100955	83111869	+
Snapc3	MmuEX0044089	chr4	83100052	83106067	83106263	83111869	+
Snapc4	MmuEX0044090	chr2	26233587	26234014	26234156	26236069	-
Snapc4	MmuEX0044091	chr2	26228600	26228839	26228986	26229541	-
Snapc4	MmuEX0044092	chr2	26226400	26228251	26228345	26228494	-
Snapc4	MmuEX0044093	chr2	26221956	26222536	26222630	26222711	-

Snapc4	MmuEX0044094	chr2	26221557	26221929	26221956	26222711	-
Snapc4	MmuEX0044095	chr2	26232245	26232389	26232556	26233541	-
Snapc4	MmuEX0044096	chr2	26231209	26231675	26231753	26232120	-
Snapc4	MmuEX0044097	chr2	26233587	26233681	26233799	26233970	-
Snapin	MmuEX0044098	chr3	90294194	90294470	90294516	90294754	-
Sncaip	MmuEX0044100	chr18	53031135	53044622	53044735	53054488	+
Sncaip	MmuEX0044101	chr18	53029061	53030956	53031135	53044622	+
Sncaip	MmuEX0044102	chr18	53044735	53054488	53054613	53057774	+
Sncaip	MmuEX0044103	chr18	53067131	53068264	53068334	53074961	+
Snd1	MmuEX0044104	chr6	28495598	28576100	28576189	28618558	+
Snd1	MmuEX0044105	chr6	28674981	28695185	28695326	28745829	+
Snd1	MmuEX0044106	chr6	28695326	28745829	28745938	28824861	+
Snd1	MmuEX0044107	chr6	28788388	28834188	28834257	28834956	+
Snd1	MmuEX0044108	chr6	28825049	28830197	28830338	28833258	+
Snd1	MmuEX0044109	chr6	28834257	28834956	28835069	28836414	+
Snd1	MmuEX0044110	chr6	28835069	28836414	28836617	28838079	+
Snd1	MmuEX0044111	chr6	28836617	28838079	28838123	28838235	+
Snd1	MmuEX0044112	chr6	28479019	28481409	28481499	28495485	+
Snd1	MmuEX0044113	chr6	28470265	28473727	28473805	28476053	+
Snhg5	MmuEX0044127	chr9	88416813	88417145	88417219	88417322	-
Snip1	MmuEX0044128	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Snrk	MmuEX0044132	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrk	MmuEX0044133	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrk	MmuEX0044134	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrk	MmuEX0044135	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrk	MmuEX0044136	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrk	MmuEX0044137	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrk	MmuEX0044138	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Snrnp200	MmuEX0044139	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Snrnp200	MmuEX0044140	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Snrnp200	MmuEX0044141	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Snrnp27	MmuEX0044142	chr6	86626280	86630901	86630980	86631585	-
Snrnp35	MmuEX0044143	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Snrnp40	MmuEX0044144	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Snrnp40	MmuEX0044145	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Snrnp48	MmuEX0044146	chr13	38296997	38301746	38301859	38302076	+
Snrnp48	MmuEX0044147	chr13	38309364	38310141	38310191	38312557	+
Snrnp48	MmuEX0044148	chr13	38309364	38312557	38312645	38313104	+
Snrnp48	MmuEX0044149	chr13	38312645	38313104	38313262	38318743	+
Snrnp48	MmuEX0044150	chr13	38302136	38302936	38303010	38308194	+
Snrnp48	MmuEX0044151	chr13	38303010	38306474	38306536	38308194	+
Snrnp48	MmuEX0044152	chr13	38303010	38306933	38307049	38308194	+
Snrnp48	MmuEX0044153	chr13	38303010	38308194	38308382	38312557	+
Snrnp48	MmuEX0044154	chr13	38303010	38309243	38309364	38312557	+
Snrnp70	MmuEX0044155	chr7	52650185	52650463	52650542	52650879	-
Snrnp70	MmuEX0044156	chr7	52632813	52635866	52635988	52636087	-
Snrnp70	MmuEX0044157	chr7	52636188	52638495	52638554	52638702	-

Snrpa1	MmuEX0044158	chr7	73214099	73214310	73214412	73215476	+
Snrpa1	MmuEX0044159	chr7	73214412	73215005	73215084	73215476	+
Snrpb	MmuEX0044160	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Snrpf	MmuEX0044162	chr10	93046839	93050747	93050868	93052284	-
Snrpn	MmuEX0044166	chr7	67144299	67147821	67147948	67148656	-
Snrpn	MmuEX0044170	chr7	67133633	67140292	67140440	67144204	-
Snrpn	MmuEX0044171	chr7	67133633	67138548	67138567	67140292	-
Snta1	MmuEX0044172	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Sntb1	MmuEX0044173	chr15	55507998	55580743	55580950	55623589	-
Sntb2	MmuEX0044174	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Sntb2	MmuEX0044175	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Sntb2	MmuEX0044176	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Sntb2	MmuEX0044177	chr8	1.09E+08	1.1E+08	1.1E+08	1.1E+08	+
Sntb2	MmuEX0044178	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Sntb2	MmuEX0044179	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Snupn	MmuEX0044208	chr9	56823117	56825826	56825903	56828652	+
Snupn	MmuEX0044209	chr9	56798760	56804821	56804983	56810803	+
Snupn	MmuEX0044210	chr9	56818165	56818397	56818493	56823020	+
Snx1	MmuEX0044211	chr9	65957435	65964258	65964332	65972414	-
Snx1	MmuEX0044212	chr9	65937415	65938394	65938537	65940966	-
Snx10	MmuEX0044213	chr6	51474033	51512017	51512063	51525902	+
Snx10	MmuEX0044215	chr6	51512063	51519793	51519907	51525902	+
Snx11	MmuEX0044216	chr11	96635956	96636688	96636747	96638282	-
Snx11	MmuEX0044217	chr11	96634536	96635755	96635809	96638282	-
Snx12	MmuEX0044218	chrX	98409864	98410822	98410917	98417601	-
Snx12	MmuEX0044219	chrX	98297774	98409113	98409203	98409740	-
Snx12	MmuEX0044221	chrX	98297774	98409740	98409864	98417601	-
Snx13	MmuEX0044222	chr12	35791489	35792096	35792228	35795296	+
Snx13	MmuEX0044223	chr12	35792228	35795296	35795333	35797107	+
Snx13	MmuEX0044224	chr12	35797176	35804405	35804577	35807590	+
Snx13	MmuEX0044225	chr12	35823140	35824840	35824952	35828761	+
Snx13	MmuEX0044226	chr12	35767643	35770611	35770700	35771535	+
Snx13	MmuEX0044227	chr12	35776156	35776241	35776342	35777497	+
Snx13	MmuEX0044228	chr12	35776342	35777497	35777585	35782902	+
Snx13	MmuEX0044229	chr12	35822843	35823072	35823140	35824840	+
Snx13	MmuEX0044230	chr12	35732083	35763572	35763684	35770611	+
Snx13	MmuEX0044231	chr12	35732083	35767541	35767643	35770611	+
Snx14	MmuEX0044232	chr9	88315663	88317736	88317856	88333506	-
Snx14	MmuEX0044233	chr9	88296816	88296982	88297106	88298103	-
Snx14	MmuEX0044234	chr9	88280669	88282049	88282149	88286600	-
Snx14	MmuEX0044235	chr9	88276415	88276558	88276722	88276916	-
Snx14	MmuEX0044236	chr9	88274404	88275008	88275099	88276320	-
Snx14	MmuEX0044237	chr9	88310553	88312194	88312417	88315089	-
Snx14	MmuEX0044238	chr9	88293209	88295561	88295587	88296758	-
Snx14	MmuEX0044239	chr9	88302320	88305396	88305480	88308319	-
Snx15	MmuEX0044240	chr19	6120743	6121101	6121209	6121379	-
Snx15	MmuEX0044241	chr19	6121522	6121783	6121930	6122040	-

Snx15	MmuEX0044242	chr19	6123950	6124153	6124188	6127713	-
Snx15	MmuEX0044243	chr19	6122155	6123830	6123950	6124153	-
Snx16	MmuEX0044244	chr3	10419223	10420197	10420316	10420740	-
Snx16	MmuEX0044245	chr3	10420876	10435446	10435532	10437811	-
Snx16	MmuEX0044246	chr3	10420876	10426163	10426232	10434358	-
Snx17	MmuEX0044247	chr5	31495838	31496242	31496316	31497169	+
Snx17	MmuEX0044248	chr5	31498229	31498324	31498414	31498550	+
Snx17	MmuEX0044249	chr5	31497286	31497579	31497652	31497788	+
Snx19	MmuEX0044250	chr9	30245115	30247681	30247810	30269816	+
Snx19	MmuEX0044251	chr9	30247810	30256677	30256748	30269816	+
Snx19	MmuEX0044252	chr9	30243527	30244360	30244456	30244935	+
Snx19	MmuEX0044253	chr9	30247810	30269816	30270000	30270805	+
Snx2	MmuEX0044254	chr18	53362773	53369242	53369317	53369984	+
Snx2	MmuEX0044255	chr18	53349426	53353401	53353422	53354084	+
Snx2	MmuEX0044256	chr18	53349426	53354084	53354247	53357509	+
Snx20	MmuEX0044257	chr8	91153964	91155668	91155806	91159885	-
Snx21	MmuEX0044258	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Snx24	MmuEX0044262	chr18	53542818	53542960	53543078	53544271	+
Snx24	MmuEX0044263	chr18	53542818	53544271	53544303	53544832	+
Snx24	MmuEX0044264	chr18	53405506	53460397	53460443	53487066	+
Snx24	MmuEX0044265	chr18	53405506	53487066	53487149	53499784	+
Snx24	MmuEX0044266	chr18	53487149	53499784	53499888	53542724	+
Snx25	MmuEX0044267	chr8	47141477	47143821	47143952	47153410	-
Snx25	MmuEX0044268	chr8	47119176	47119756	47119856	47120892	-
Snx25	MmuEX0044269	chr8	47129486	47130540	47130653	47132645	-
Snx25	MmuEX0044270	chr8	47189055	47201536	47201752	47209416	-
Snx25	MmuEX0044271	chr8	47189055	47190473	47190645	47201536	-
Snx27	MmuEX0044272	chr3	94365922	94366141	94366206	94386167	-
Snx27	MmuEX0044273	chr3	94328212	94330362	94330389	94332834	-
Snx27	MmuEX0044274	chr3	94335311	94365691	94365922	94386167	-
Snx29	MmuEX0044275	chr16	11403925	11413319	11413449	11418916	+
Snx29	MmuEX0044276	chr16	11413449	11418916	11418991	11420794	+
Snx29	MmuEX0044277	chr16	11445321	11447473	11447601	11511053	+
Snx29	MmuEX0044278	chr16	11447601	11511053	11511135	11571792	+
Snx29	MmuEX0044279	chr16	11715147	11738387	11738526	11755290	+
Snx3	MmuEX0044280	chr10	42222298	42245760	42245855	42252955	+
Snx30	MmuEX0044281	chr4	59819097	59870317	59870508	59881110	+
Snx30	MmuEX0044282	chr4	59899478	59903367	59903547	59905334	+
Snx32	MmuEX0044287	chr19	5496402	5496986	5497025	5497290	-
Snx32	MmuEX0044288	chr19	5498028	5498180	5498301	5498396	-
Snx32	MmuEX0044289	chr19	5497552	5497675	5497779	5497905	-
Snx32	MmuEX0044290	chr19	5497365	5497447	5497552	5497905	-
Snx4	MmuEX0044291	chr16	33287867	33290185	33290284	33294727	+
Snx4	MmuEX0044292	chr16	33287867	33291827	33291968	33294727	+
Snx5	MmuEX0044293	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Snx5	MmuEX0044294	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Snx5	MmuEX0044295	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-

Snx5	MmuEX0044296	chr2	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Snx6	MmuEX0044297	chr12	55885106	55896441	55896488	55896635	-
Snx6	MmuEX0044298	chr12	55855363	55858023	55858062	55861386	-
Snx6	MmuEX0044299	chr12	55853087	55855277	55855363	55858023	-
Snx6	MmuEX0044300	chr12	55866666	55869006	55869129	55871706	-
Snx6	MmuEX0044301	chr12	55864712	55866571	55866666	55869006	-
Snx6	MmuEX0044302	chr12	55861461	55864607	55864712	55866571	-
Snx6	MmuEX0044303	chr12	55858062	55861386	55861461	55864607	-
Snx6	MmuEX0044304	chr12	55871827	55885002	55885106	55896441	-
Snx6	MmuEX0044305	chr12	55871827	55884390	55884500	55885002	-
Snx6	MmuEX0044306	chr12	55869129	55871706	55871827	55884390	-
Snx7	MmuEX0044307	chr3	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Snx7	MmuEX0044308	chr3	1.17E+08	1.18E+08	1.18E+08	1.18E+08	-
Snx7	MmuEX0044309	chr3	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Snx8	MmuEX0044310	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Snx9	MmuEX0044311	chr17	5841546	5870668	5870953	5886997	+
Snx9	MmuEX0044312	chr17	5841546	5886997	5887083	5890075	+
Snx9	MmuEX0044313	chr17	5887083	5890075	5890149	5891774	+
Snx9	MmuEX0044314	chr17	5890149	5891774	5891899	5899327	+
Soat1	MmuEX0044315	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Soat1	MmuEX0044316	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Sobp	MmuEX0044323	chr10	42794494	42847585	42847736	42877714	-
Sobp	MmuEX0044324	chr10	42742724	42794399	42794494	42847585	-
Sobp	MmuEX0044325	chr10	42724220	42740788	42742724	42794399	-
Socs3	MmuEX0044327	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Socs5	MmuEX0044328	chr17	87507387	87520088	87520148	87532962	+
Socs6	MmuEX0044329	chr18	89056457	89056605	89056725	89063554	-
Socs6	MmuEX0044330	chr18	89040310	89056384	89056444	89056601	-
Socs7	MmuEX0044331	chr11	97224737	97234380	97234444	97237751	+
Socs7	MmuEX0044332	chr11	97238412	97238809	97239000	97239250	+
Socs7	MmuEX0044333	chr11	97240025	97244214	97244342	97250426	+
Socs7	MmuEX0044334	chr11	97234444	97237751	97237855	97239250	+
Socs7	MmuEX0044335	chr11	97237855	97238311	97238412	97239250	+
Sod2	MmuEX0044336	chr17	13201299	13203389	13203502	13206299	+
Solh	MmuEX0044339	chr17	26097176	26097282	26097508	26097595	-
Solh	MmuEX0044340	chr17	26096930	26097010	26097176	26097282	-
Solh	MmuEX0044342	chr17	26097756	26100972	26102472	26122416	-
Solh	MmuEX0044343	chr17	26097756	26100192	26100400	26122416	-
Solh	MmuEX0044344	chr17	26097756	26099907	26100090	26122416	-
Solh	MmuEX0044345	chr17	26097756	26099616	26099839	26122416	-
Solh	MmuEX0044346	chr17	26097756	26098899	26099024	26122416	-
Solh	MmuEX0044347	chr17	26097756	26098665	26098817	26122416	-
Son	MmuEX0044348	chr16	91648229	91651875	91652041	91654856	+
Son	MmuEX0044349	chr16	91665067	91665165	91665358	91670709	+
Son	MmuEX0044350	chr16	91671710	91672193	91672249	91675646	+
Son	MmuEX0044351	chr16	91671710	91672473	91674023	91675646	+
Son	MmuEX0044352	chr16	91671710	91674230	91674267	91675646	+

Son	MmuEX0044353	chr16	91671710	91674940	91675019	91675646	+
Sorbs1	MmuEX0044354	chr19	40476800	40525804	40525888	40588161	-
Sorbs1	MmuEX0044355	chr19	40451506	40452144	40452869	40457011	-
Sorbs1	MmuEX0044356	chr19	40374792	40384071	40384823	40386159	-
Sorbs1	MmuEX0044357	chr19	40411525	40412276	40412278	40414535	-
Sorbs1	MmuEX0044358	chr19	40374011	40374733	40374792	40386159	-
Sorbs1	MmuEX0044359	chr19	40392558	40396283	40396450	40399237	-
Sorbs1	MmuEX0044360	chr19	40399322	40399961	40401427	40401940	-
Sorbs1	MmuEX0044361	chr19	40411525	40418846	40418929	40424389	-
Sorbs1	MmuEX0044362	chr19	40411525	40415175	40415240	40424389	-
Sorbs1	MmuEX0044363	chr19	40411525	40414535	40414636	40424389	-
Sorbs1	MmuEX0044364	chr19	40525888	40575939	40576075	40587861	-
Sorbs1	MmuEX0044365	chr19	40448107	40451135	40451293	40451474	-
Sorbs1	MmuEX0044366	chr19	40439656	40447966	40448102	40457007	-
Sorbs1	MmuEX0044367	chr19	40439656	40444180	40444209	40447966	-
Sorbs1	MmuEX0044368	chr19	40427055	40439484	40439656	40444180	-
Sorbs1	MmuEX0044369	chr19	40427055	40435919	40435993	40437692	-
Sorbs1	MmuEX0044370	chr19	40427055	40435532	40435594	40435919	-
Sorbs1	MmuEX0044371	chr19	40468006	40476748	40476800	40525804	-
Sorbs1	MmuEX0044372	chr19	40468006	40473032	40473100	40476748	-
Sorbs1	MmuEX0044373	chr19	40468006	40470169	40470258	40473032	-
Sorbs1	MmuEX0044374	chr19	40457123	40457246	40457272	40467878	-
Sorbs1	MmuEX0044375	chr19	40448107	40457011	40457076	40467878	-
Sorbs1	MmuEX0044376	chr19	40448107	40451474	40451506	40457007	-
Sorbs2	MmuEX0044377	chr8	46713626	46731115	46731206	46744157	+
Sorbs2	MmuEX0044378	chr8	46855249	46855900	46855944	46857888	+
Sorbs2	MmuEX0044379	chr8	46878322	46880332	46881912	46885064	+
Sorbs2	MmuEX0044380	chr8	46593311	46744157	46744295	46821507	+
Sorbs2	MmuEX0044381	chr8	46744295	46779912	46779967	46821507	+
Sorbs2	MmuEX0044382	chr8	46861057	46868156	46868314	46875330	+
Sorbs2	MmuEX0044383	chr8	46861057	46868897	46868980	46875330	+
Sorbs2	MmuEX0044384	chr8	46861057	46870623	46870679	46875330	+
Sorbs2	MmuEX0044385	chr8	46821556	46826841	46826933	46830774	+
Sorbs2	MmuEX0044386	chr8	46821556	46830774	46830800	46844407	+
Sorbs2	MmuEX0044387	chr8	46821556	46831140	46831195	46844407	+
Sorbs3	MmuEX0044388	chr14	70586791	70590535	70590649	70590823	-
Sorbs3	MmuEX0044389	chr14	70593758	70595220	70595313	70595730	-
Sorbs3	MmuEX0044390	chr14	70595768	70599089	70599152	70601156	-
Sorbs3	MmuEX0044391	chr14	70601349	70602738	70602810	70603079	-
Sorbs3	MmuEX0044392	chr14	70590869	70590955	70591007	70591240	-
Sorl1	MmuEX0044402	chr9	41907353	41914511	41914627	41931912	-
Sorl1	MmuEX0044403	chr9	41865442	41871798	41871871	41872070	-
Sorl1	MmuEX0044404	chr9	41854744	41865354	41865442	41871798	-
Sorl1	MmuEX0044405	chr9	41816387	41822538	41822657	41826199	-
Sorl1	MmuEX0044406	chr9	41804403	41808327	41808482	41809554	-
Sorl1	MmuEX0044407	chr9	41796892	41797437	41797549	41799395	-
Sorl1	MmuEX0044408	chr9	41795621	41796788	41796892	41797437	-

Sorl1	MmuEX0044409	chr9	41787577	41788709	41788828	41790989	-
Sorl1	MmuEX0044410	chr9	41880429	41889871	41890051	41898028	-
Sort1	MmuEX0044411	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Sort1	MmuEX0044412	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Sort1	MmuEX0044413	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Sort1	MmuEX0044414	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Sort1	MmuEX0044415	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Sos1	MmuEX0044416	chr17	80854523	80859262	80859387	80879177	-
Sos1	MmuEX0044417	chr17	80819825	80822022	80822125	80822456	-
Sos1	MmuEX0044418	chr17	80798012	80799081	80799199	80806031	-
Sos1	MmuEX0044419	chr17	80818468	80819603	80819825	80822022	-
Sos2	MmuEX0044420	chr12	70751718	70758940	70759065	70782502	-
Sos2	MmuEX0044421	chr12	70697803	70699763	70699880	70704463	-
Sos2	MmuEX0044422	chr12	70741247	70749439	70749603	70751587	-
Sos2	MmuEX0044423	chr12	70719170	70728204	70728302	70733047	-
Sos2	MmuEX0044424	chr12	70687705	70689687	70689728	70691682	-
Sos2	MmuEX0044425	chr12	70708399	70711710	70711813	70715623	-
Sox17	MmuEX0044428	chr1	4483547	4483853	4483944	4485217	-
Sox17	MmuEX0044429	chr1	4482749	4483181	4483547	4483853	-
Sox6	MmuEX0044443	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sox6	MmuEX0044444	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sox6	MmuEX0044445	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sox6	MmuEX0044446	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sox6	MmuEX0044447	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sox6	MmuEX0044448	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sox6	MmuEX0044449	chr7	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Sp1	MmuEX0044450	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Sp1	MmuEX0044451	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Sp100	MmuEX0044452	chr1	87566657	87569550	87569623	87570200	+
Sp100	MmuEX0044453	chr1	87598018	87601518	87601633	87605568	+
Sp100	MmuEX0044454	chr1	87598018	87603412	87603529	87605568	+
Sp100	MmuEX0044455	chr1	87598018	87603802	87603873	87605568	+
Sp100	MmuEX0044456	chr1	87598018	87604557	87604700	87605568	+
Sp100	MmuEX0044457	chr1	87575684	87577661	87577714	87588550	+
Sp100	MmuEX0044458	chr1	87577714	87588550	87588624	87590834	+
Sp110	MmuEX0044460	chr1	87492684	87495204	87495354	87500410	-
Sp110	MmuEX0044461	chr1	87492684	87494852	87494971	87495204	-
Sp110	MmuEX0044462	chr1	87488364	87492537	87492684	87494820	-
Sp140	MmuEX0044464	chr1	87516732	87524753	87524833	87529053	+
Sp140	MmuEX0044465	chr1	87522740	87527035	87527139	87529053	+
Sp140	MmuEX0044470	chr1	87506431	87507314	87507485	87511379	+
Sp140	MmuEX0044471	chr1	87511429	87511763	87511846	87516631	+
Sp140	MmuEX0044474	chr1	87516732	87522675	87522740	87534399	+
Sp3	MmuEX0044475	chr2	72784795	72798226	72798423	72799331	-
Sp3	MmuEX0044476	chr2	72778796	72779942	72780063	72784603	-
Sp3	MmuEX0044477	chr2	72784795	72799331	72799421	72808212	-
Sp3	MmuEX0044478	chr2	72809571	72817544	72817689	72818307	-

Sp3	MmuEX0044479	chr2	72809571	72816991	72817086	72817544	-
Sp4	MmuEX0044480	chr12	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Sp4	MmuEX0044481	chr12	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Sp4	MmuEX0044482	chr12	1.19E+08	1.2E+08	1.2E+08	1.2E+08	-
Spa17	MmuEX0044485	chr9	37413455	37419421	37419603	37421141	-
Spa17	MmuEX0044486	chr9	37413455	37415202	37415272	37421141	-
Spag9	MmuEX0044505	chr11	93958750	93958995	93959190	93960341	+
Spag9	MmuEX0044506	chr11	93963472	93967948	93968096	93969769	+
Spag9	MmuEX0044507	chr11	93933000	93942054	93942068	93942654	+
Spag9	MmuEX0044508	chr11	93933000	93940513	93940524	93942654	+
Spag9	MmuEX0044509	chr11	93950969	93951064	93951075	93951872	+
Spag9	MmuEX0044510	chr11	93909872	93921572	93921613	93929207	+
Spag9	MmuEX0044511	chr11	93973460	93974577	93974615	93975487	+
Spag9	MmuEX0044512	chr11	93857887	93874937	93875057	93897914	+
Spag9	MmuEX0044513	chr11	93875057	93886231	93886311	93897914	+
Spag9	MmuEX0044514	chr11	93875057	93897914	93897984	93904886	+
Spag9	MmuEX0044515	chr11	93897984	93904886	93904980	93909722	+
Spag9	MmuEX0044516	chr11	93930349	93932879	93932944	93942654	+
Spag9	MmuEX0044517	chr11	93947691	93950913	93950969	93951872	+
Sparcl1	MmuEX0044519	chr5	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Spast	MmuEX0044520	chr17	74776460	74781310	74781380	74786374	+
Spast	MmuEX0044521	chr17	74751376	74755426	74755509	74758594	+
Spast	MmuEX0044522	chr17	74781380	74786374	74786414	74787530	+
Spast	MmuEX0044523	chr17	74758689	74760410	74760489	74766588	+
Spast	MmuEX0044524	chr17	74768625	74770770	74770844	74771599	+
Spast	MmuEX0044525	chr17	74738785	74751293	74751376	74755426	+
Spast	MmuEX0044526	chr17	74755509	74758594	74758689	74766588	+
Spast	MmuEX0044527	chr17	74773542	74774423	74774465	74776381	+
Spata1	MmuEX0044528	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Spata1	MmuEX0044531	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Spata1	MmuEX0044532	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Spata1	MmuEX0044533	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Spata13	MmuEX0044536	chr14	61366463	61368800	61368979	61370472	+
Spata2	MmuEX0044543	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Spata2	MmuEX0044544	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Spata24	MmuEX0044551	chr18	35820228	35820446	35820511	35821666	-
Spata24	MmuEX0044552	chr18	35820007	35820098	35820228	35820446	-
Spata24	MmuEX0044553	chr18	35816705	35817339	35817412	35819937	-
Spata24	MmuEX0044554	chr18	35816498	35816603	35816705	35819937	-
Spata5	MmuEX0044557	chr3	37357322	37363454	37363580	37427080	+
Spata5	MmuEX0044558	chr3	37363580	37427080	37427244	37477674	+
Spata5	MmuEX0044559	chr3	37329026	37330555	37331199	37332060	+
Spata5	MmuEX0044560	chr3	37319422	37323436	37323557	37325011	+
Spata5	MmuEX0044561	chr3	37427244	37428905	37428941	37477674	+
Spata6	MmuEX0044562	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044563	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044564	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+

Spata6	MmuEX0044565	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044566	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044567	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044568	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044569	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044570	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044571	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata6	MmuEX0044572	chr4	1.11E+08	1.11E+08	1.11E+08	1.11E+08	+
Spata7	MmuEX0044574	chr12	99866544	99870173	99870247	99872434	+
Spata7	MmuEX0044577	chr12	99870247	99872200	99872361	99875776	+
Spata7	MmuEX0044578	chr12	99870247	99872434	99872529	99875776	+
Spata7	MmuEX0044579	chr12	99886692	99896423	99896856	99900182	+
Spata7	MmuEX0044580	chr12	99896856	99897760	99897826	99900182	+
Spats2	MmuEX0044586	chr15	98957318	98980065	98980361	98997511	+
Spats2	MmuEX0044587	chr15	98997590	98998169	98998206	99003833	+
Spats2	MmuEX0044588	chr15	99003941	99004833	99004882	99008738	+
Spats2	MmuEX0044589	chr15	99008996	99011012	99011191	99016390	+
Spats2l	MmuEX0044590	chr1	57942793	57957478	57957684	57958933	+
Spats2l	MmuEX0044591	chr1	57856198	57888897	57888981	57912308	+
Spc24	MmuEX0044592	chr9	21560739	21562129	21562271	21564563	-
Spc24	MmuEX0044593	chr9	21560739	21561734	21561838	21564563	-
Spc24	MmuEX0044594	chr9	21560739	21561561	21561637	21561675	-
Specc1l	MmuEX0044613	chr10	74693616	74703810	74703963	74707824	+
Specc1l	MmuEX0044614	chr10	74703963	74707824	74709457	74711182	+
Specc1l	MmuEX0044615	chr10	74674964	74684777	74684926	74693427	+
Specc1l	MmuEX0044616	chr10	74674964	74691651	74691676	74693427	+
Specc1l	MmuEX0044617	chr10	74674964	74692516	74692613	74693427	+
Specc1l	MmuEX0044618	chr10	74674964	74693427	74693616	74703810	+
Speg	MmuEX0044622	chr1	75372408	75379712	75379754	75380609	+
Speg	MmuEX0044623	chr1	75399048	75401462	75401722	75402881	+
Speg	MmuEX0044624	chr1	75379754	75380614	75380643	75381231	+
Speg	MmuEX0044625	chr1	75414580	75415006	75415032	75415546	+
Speg	MmuEX0044626	chr1	75381320	75381403	75381739	75384373	+
Speg	MmuEX0044627	chr1	75381739	75384376	75385679	75387554	+
Speg	MmuEX0044628	chr1	75420103	75420391	75420522	75423339	+
Speg	MmuEX0044629	chr1	75423455	75423619	75423786	75423889	+
Spn	MmuEX0044630	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spn	MmuEX0044631	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spn	MmuEX0044632	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spn	MmuEX0044633	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spn	MmuEX0044634	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spn	MmuEX0044635	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spn	MmuEX0044636	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Spg11	MmuEX0044639	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044640	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044641	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044642	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-

Spg11	MmuEX0044643	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044644	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044645	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044646	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044647	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044648	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044649	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044650	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044651	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044652	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044653	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044654	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044655	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044656	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044657	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg11	MmuEX0044658	chr2	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Spg20	MmuEX0044659	chr3	54932297	54932421	54932511	54939332	+
Spg20	MmuEX0044660	chr3	54925719	54928677	54928847	54930456	+
Spg7	MmuEX0044661	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Spg7	MmuEX0044662	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Spg7	MmuEX0044663	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Spg7	MmuEX0044664	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Spg7	MmuEX0044665	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Spg7	MmuEX0044666	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Spg7	MmuEX0044667	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Sphk2	MmuEX0044668	chr7	52972433	52972645	52972778	52973071	-
Sphk2	MmuEX0044669	chr7	52969098	52972363	52972433	52973071	-
Spice1	MmuEX0044681	chr16	44372778	44375755	44375905	44376911	+
Spice1	MmuEX0044682	chr16	44382315	44384784	44384886	44385732	+
Spice1	MmuEX0044683	chr16	44347619	44355553	44355648	44357857	+
Spice1	MmuEX0044684	chr16	44347619	44356258	44356305	44357857	+
Spin1	MmuEX0044685	chr13	51196880	51216828	51217039	51218457	+
Spink4	MmuEX0044692	chr4	40867188	40871957	40871997	40876112	+
Spink4	MmuEX0044693	chr4	40871997	40876112	40876224	40878290	+
Spint2	MmuEX0044700	chr7	30041856	30043187	30043225	30043446	-
Spint2	MmuEX0044701	chr7	30044471	30045076	30045148	30045390	-
Spint2	MmuEX0044702	chr7	30045449	30048614	30048784	30066531	-
Spire1	MmuEX0044704	chr18	67665398	67666208	67666380	67672495	-
Spire1	MmuEX0044705	chr18	67660895	67663085	67663227	67665305	-
Spire1	MmuEX0044706	chr18	67655044	67656216	67656286	67656831	-
Spire1	MmuEX0044707	chr18	67666380	67672495	67672533	67678945	-
Spire1	MmuEX0044708	chr18	67654930	67655017	67655044	67656216	-
Spire1	MmuEX0044709	chr18	67679544	67690061	67690138	67705269	-
Spire1	MmuEX0044710	chr18	67679544	67688518	67688682	67705269	-
Spire1	MmuEX0044711	chr18	67656968	67660722	67660895	67663085	-
Spna1	MmuEX0044714	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	+
Spna1	MmuEX0044715	chr1	1.76E+08	1.76E+08	1.76E+08	1.76E+08	+

Spna2	MmuEX0044717	chr2	29843989	29846462	29846563	29847379	+
Spna2	MmuEX0044718	chr2	29852066	29852257	29852474	29853676	+
Spna2	MmuEX0044719	chr2	29860060	29862143	29862190	29863014	+
Spna2	MmuEX0044720	chr2	29838820	29839134	29839280	29841685	+
Spna2	MmuEX0044721	chr2	29839280	29839807	29839916	29841685	+
Spna2	MmuEX0044722	chr2	29881740	29882041	29882337	29882539	+
Spna2	MmuEX0044723	chr2	29869358	29869678	29869692	29871109	+
Spna2	MmuEX0044724	chr2	29821305	29824296	29824346	29833897	+
Spna2	MmuEX0044725	chr2	29855582	29856620	29856679	29857751	+
Spna2	MmuEX0044726	chr2	29883168	29884164	29884226	29885140	+
Spnb1	MmuEX0044727	chr12	77733518	77750764	77750965	77810922	-
Spnb1	MmuEX0044728	chr12	77730691	77731572	77731745	77733367	-
Spnb2	MmuEX0044729	chr11	30040624	30042120	30042422	30043019	-
Spnb2	MmuEX0044730	chr11	30003421	30004150	30004322	30004436	-
Spns1	MmuEX0044744	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns1	MmuEX0044745	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns1	MmuEX0044746	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns1	MmuEX0044747	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns1	MmuEX0044748	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns1	MmuEX0044749	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns1	MmuEX0044750	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Spns2	MmuEX0044751	chr11	72277281	72283309	72283534	72288207	-
Spns2	MmuEX0044752	chr11	72272201	72272404	72272555	72277145	-
Spns2	MmuEX0044753	chr11	72267216	72267802	72267900	72269805	-
Spns2	MmuEX0044754	chr11	72267216	72267556	72267719	72269805	-
Spon1	MmuEX0044777	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Spon1	MmuEX0044778	chr7	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Spon2	MmuEX0044780	chr5	33559469	33559893	33560112	33560597	-
Spop	MmuEX0044781	chr11	95331979	95332537	95332658	95335545	+
Spop	MmuEX0044782	chr11	95332658	95335620	95335696	95343228	+
Spopl	MmuEX0044783	chr2	23373471	23376319	23376454	23392848	-
Spopl	MmuEX0044784	chr2	23398840	23400266	23400417	23400673	-
Spopl	MmuEX0044785	chr2	23392903	23392981	23393158	23398717	-
Spopl	MmuEX0044786	chr2	23393158	23397039	23397135	23398717	-
Spopl	MmuEX0044787	chr2	23400794	23400964	23401099	23427363	-
Spopl	MmuEX0044788	chr2	23400417	23400673	23400794	23400964	-
Sppl3	MmuEX0044789	chr5	1.15E+08	1.16E+08	1.16E+08	1.16E+08	+
Sppl3	MmuEX0044790	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sppl3	MmuEX0044791	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Sppl3	MmuEX0044792	chr5	1.15E+08	1.15E+08	1.15E+08	1.16E+08	+
Spr	MmuEX0044793	chr6	85086925	85087055	85087107	85087433	-
Spred1	MmuEX0044794	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Spred1	MmuEX0044795	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Spred1	MmuEX0044796	chr2	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Spred2	MmuEX0044797	chr11	19824959	19898123	19898300	19905785	+
Spred2	MmuEX0044798	chr11	19898300	19905785	19905953	19908416	+
Spry1	MmuEX0044803	chr3	37538986	37539002	37539027	37539442	+

Spry1	MmuEX0044804	chr3	37539027	37539442	37539730	37541477	+
Spsb1	MmuEX0044805	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Spsb1	MmuEX0044806	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Spsb3	MmuEX0044807	chr17	25027880	25027956	25028081	25028305	+
Spsb3	MmuEX0044808	chr17	25024862	25026031	25026113	25027228	+
Spsb3	MmuEX0044809	chr17	25027405	25027513	25027700	25027778	+
Spsb4	MmuEX0044810	chr9	96845123	96895994	96896840	96918613	-
Sptlc1	MmuEX0044811	chr13	53438593	53439148	53439243	53440170	-
Sptlc1	MmuEX0044812	chr13	53433094	53437541	53437595	53438497	-
Sptlc1	MmuEX0044813	chr13	53439243	53440170	53440277	53446970	-
Sptlc2	MmuEX0044814	chr12	88691335	88696476	88696624	88697498	-
Sptlc2	MmuEX0044815	chr12	88697652	88709881	88710075	88728996	-
Sptlc2	MmuEX0044816	chr12	88683699	88691211	88691335	88696476	-
Sptlc2	MmuEX0044817	chr12	88683699	88687658	88687751	88696476	-
Spty2d1	MmuEX0044820	chr7	54254374	54255141	54255255	54263445	-
Sqrdl	MmuEX0044822	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sqrdl	MmuEX0044823	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sqrdl	MmuEX0044824	chr2	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Sra1	MmuEX0044825	chr18	36827313	36827445	36827547	36828306	-
Sra1	MmuEX0044826	chr18	36828502	36829658	36829783	36829902	-
Srbd1	MmuEX0044827	chr17	86538589	86541700	86541779	86544461	-
Srbd1	MmuEX0044828	chr17	86508674	86514533	86514636	86519254	-
Srbd1	MmuEX0044829	chr17	86457107	86495207	86495271	86497852	-
Srbd1	MmuEX0044830	chr17	86525589	86527056	86527173	86529454	-
Srbd1	MmuEX0044831	chr17	86519389	86519990	86520086	86525451	-
Srbd1	MmuEX0044833	chr17	86387849	86403187	86403293	86450407	-
Srbd1	MmuEX0044834	chr17	86387849	86400771	86400947	86450407	-
Srbd1	MmuEX0044835	chr17	86387849	86399661	86399813	86450407	-
Srbd1	MmuEX0044836	chr17	86387849	86396846	86396887	86399661	-
Srbd1	MmuEX0044838	chr17	86498635	86502183	86502340	86508567	-
Srcap	MmuEX0044843	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044844	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044845	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044846	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044847	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044848	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044849	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044850	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044851	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srcap	MmuEX0044852	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srd5a3	MmuEX0044868	chr5	76569573	76569805	76569893	76576711	+
Srd5a3	MmuEX0044869	chr5	76569573	76576711	76576853	76578228	+
Srebf1	MmuEX0044870	chr11	60016767	60016848	60017109	60017301	-
Srebf1	MmuEX0044871	chr11	60020759	60020893	60021092	60023838	-
Srebf1	MmuEX0044872	chr11	60015763	60016264	60016432	60016601	-
Srebf1	MmuEX0044873	chr11	60015214	60015298	60015407	60015661	-
Srebf1	MmuEX0044874	chr11	60014913	60015082	60015214	60015298	-

Sreb1	MmuEX0044875	chr11	60019812	60019897	60020075	60020340	-
Sreb2	MmuEX0044876	chr15	82005748	82007586	82007700	82007836	+
Sreb2	MmuEX0044877	chr15	82028216	82030065	82030250	82033615	+
Srek1	MmuEX0044879	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Srek1	MmuEX0044880	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Srek1	MmuEX0044881	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Srek1	MmuEX0044882	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Srek1	MmuEX0044883	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Srek1	MmuEX0044884	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Srek1ip1	MmuEX0044885	chr13	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Srek1ip1	MmuEX0044886	chr13	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Srf	MmuEX0044887	chr17	46686985	46687688	46687749	46687850	-
Srf	MmuEX0044888	chr17	46686461	46686794	46686985	46687850	-
Srfbp1	MmuEX0044889	chr18	52635338	52635954	52636026	52643287	+
Srfbp1	MmuEX0044890	chr18	52636026	52638191	52638396	52643287	+
Srfbp1	MmuEX0044891	chr18	52636026	52639081	52639157	52643287	+
Srfbp1	MmuEX0044892	chr18	52643358	52647166	52647247	52647905	+
Srfbp1	MmuEX0044893	chr18	52636026	52643287	52643358	52647166	+
Srfbp1	MmuEX0044894	chr18	52648625	52649672	52649709	52650098	+
Srgap2	MmuEX0044901	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044902	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044903	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044904	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044905	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044906	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044907	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044908	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgap2	MmuEX0044909	chr1	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Srgn	MmuEX0044915	chr10	61957854	61960527	61960671	61970390	-
Sri	MmuEX0044917	chr5	8046215	8057538	8057621	8059353	+
Sri	MmuEX0044918	chr5	8062427	8063260	8063407	8063637	+
Sri	MmuEX0044919	chr5	8057621	8059353	8059422	8062384	+
Sri	MmuEX0044920	chr5	8059422	8062384	8062427	8063260	+
Srl	MmuEX0044921	chr16	4493880	4496405	4497715	4541680	-
Srm	MmuEX0044922	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Srm	MmuEX0044923	chr4	1.48E+08	1.48E+08	1.48E+08	1.48E+08	+
Srp19	MmuEX0044924	chr18	34490913	34491404	34491479	34493947	+
Srp19	MmuEX0044925	chr18	34491479	34492560	34492716	34493947	+
Srp19	MmuEX0044926	chr18	34491479	34493947	34494018	34494111	+
Srp68	MmuEX0044927	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Srp68	MmuEX0044928	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Srp68	MmuEX0044929	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Srp68	MmuEX0044930	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Srp72	MmuEX0044931	chr5	77413416	77416892	77417023	77418326	+
Srp72	MmuEX0044932	chr5	77426607	77427041	77427122	77427217	+
Srp1	MmuEX0044933	chr17	28744137	28745591	28745709	28758922	-
Srp1	MmuEX0044934	chr17	28737401	28737814	28737839	28739633	-

Srpk1	MmuEX0044935	chr17	28742331	28743252	28743339	28744029	-
Srpk1	MmuEX0044936	chr17	28736814	28737188	28737401	28737814	-
Srpk2	MmuEX0044937	chr5	23020521	23024234	23024341	23024437	-
Srpk2	MmuEX0044938	chr5	23052885	23053516	23053625	23054273	-
Srpk2	MmuEX0044939	chr5	23031563	23032608	23032633	23033715	-
Srpk2	MmuEX0044940	chr5	23013538	23019770	23019862	23020452	-
Srpk2	MmuEX0044941	chr5	23013538	23019308	23019400	23019770	-
Srpk2	MmuEX0044942	chr5	23071083	23135150	23135295	23181538	-
Srpk2	MmuEX0044943	chr5	23071083	23122145	23122208	23181538	-
Srpk2	MmuEX0044944	chr5	23033880	23054273	23054381	23070932	-
Srpk2	MmuEX0044945	chr5	23033880	23052798	23052885	23054273	-
Srpk3	MmuEX0044946	chrX	71021825	71022309	71022438	71022527	+
Srpx	MmuEX0044947	chrX	9616226	9624801	9624922	9626742	-
Srpx	MmuEX0044949	chrX	9644727	9646499	9646690	9694570	-
Srpx2	MmuEX0044950	chrX	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Srpx2	MmuEX0044951	chrX	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Srpx2	MmuEX0044952	chrX	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Srpx2	MmuEX0044953	chrX	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Srr	MmuEX0044954	chr11	74722707	74723196	74723270	74723703	-
Srr	MmuEX0044955	chr11	74726635	74732939	74733164	74739086	-
Srr	MmuEX0044956	chr11	74724897	74726464	74726635	74739086	-
Srr	MmuEX0044957	chr11	74723822	74724771	74724897	74739086	-
Srr	MmuEX0044958	chr11	74723822	74724545	74724648	74739086	-
Srrd	MmuEX0044959	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Srrd	MmuEX0044960	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Srrm1	MmuEX0044961	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm1	MmuEX0044962	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm1	MmuEX0044963	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm1	MmuEX0044964	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm1	MmuEX0044965	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm1	MmuEX0044966	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm1	MmuEX0044967	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Srrm2	MmuEX0044968	chr17	23959667	23959970	23960172	23960758	+
Srrm2	MmuEX0044969	chr17	23940365	23943902	23944169	23945033	+
Srrm2	MmuEX0044970	chr17	23948698	23948784	23949044	23949395	+
Srrm2	MmuEX0044971	chr17	23958657	23958888	23958982	23960758	+
Srrt	MmuEX0044976	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Srrt	MmuEX0044977	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Srrt	MmuEX0044978	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Srrt	MmuEX0044979	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Srrt	MmuEX0044980	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Srsf1	MmuEX0044981	chr11	87862717	87862914	87863100	87863479	+
Srsf10	MmuEX0044982	chr4	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Srsf11	MmuEX0044984	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Srsf11	MmuEX0044985	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Srsf11	MmuEX0044986	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Srsf11	MmuEX0044987	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-

Srsf11	MmuEX0044988	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Srsf11	MmuEX0044989	chr3	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Srsf2	MmuEX0044990	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Srsf2	MmuEX0044991	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Srsf4	MmuEX0044992	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Srsf4	MmuEX0044993	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Srsf4	MmuEX0044994	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Srsf4	MmuEX0044995	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Srsf4	MmuEX0044996	chr4	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Srsf6	MmuEX0044998	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Srsf7	MmuEX0044999	chr17	80603727	80603962	80604091	80604315	-
Srsf7	MmuEX0045000	chr17	80600942	80601509	80601544	80602031	-
Srsf7	MmuEX0045001	chr17	80603727	80604315	80604421	80604602	-
Srsf9	MmuEX0045002	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Srsf9	MmuEX0045003	chr5	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Srxn1	MmuEX0045004	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Ss18	MmuEX0045005	chr18	14795127	14798766	14798870	14799465	-
Ss18	MmuEX0045006	chr18	14795127	14795901	14795993	14798766	-
Ss18	MmuEX0045008	chr18	14799632	14813536	14813689	14828818	-
Ss18	MmuEX0045009	chr18	14799632	14809532	14809753	14813536	-
Ss18l1	MmuEX0045010	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Ss18l1	MmuEX0045012	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	+
Ssb	MmuEX0045013	chr2	69699769	69701281	69701372	69704247	+
Ssb	MmuEX0045014	chr2	69701372	69704247	69704350	69704545	+
Ssbp2	MmuEX0045015	chr13	91600853	91664190	91664262	91678940	+
Ssbp2	MmuEX0045016	chr13	91600853	91637824	91637885	91664190	+
Ssbp2	MmuEX0045017	chr13	91781996	91803723	91803782	91809281	+
Ssbp2	MmuEX0045018	chr13	91820243	91823287	91823322	91824816	+
Ssbp2	MmuEX0045019	chr13	91664262	91678940	91679001	91704215	+
Ssbp2	MmuEX0045020	chr13	91704299	91781907	91781996	91803723	+
Ssbp3	MmuEX0045021	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ssbp3	MmuEX0045022	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ssbp3	MmuEX0045023	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ssbp3	MmuEX0045024	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ssbp3	MmuEX0045025	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Ssbp4	MmuEX0045026	chr8	73122927	73123017	73123062	73123273	-
Ssbp4	MmuEX0045027	chr8	73122807	73122892	73122927	73123017	-
Ssbp4	MmuEX0045028	chr8	73122516	73122601	73122671	73122753	-
Ssbp4	MmuEX0045029	chr8	73121667	73121912	73122019	73122105	-
Ssbp4	MmuEX0045030	chr8	73126361	73126473	73126545	73132024	-
Ssbp4	MmuEX0045031	chr8	73126215	73126300	73126361	73126473	-
Ssbp4	MmuEX0045032	chr8	73124384	73124751	73124949	73126131	-
Ssbp4	MmuEX0045033	chr8	73123798	73123908	73123961	73124295	-
Ssbp4	MmuEX0045034	chr8	73123656	73123739	73123798	73124295	-
Ssfa2	MmuEX0045035	chr2	79476235	79479414	79479463	79480303	+
Ssfa2	MmuEX0045036	chr2	79480359	79480761	79480847	79482119	+
Ssfa2	MmuEX0045037	chr2	79498506	79498827	79499003	79500390	+

Ssfa2	MmuEX0045038	chr2	79501161	79501796	79501861	79502466	+
Ssh1	MmuEX0045039	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ssh1	MmuEX0045040	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ssh1	MmuEX0045041	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ssh1	MmuEX0045042	chr5	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Ssh2	MmuEX0045043	chr11	77231033	77234718	77234912	77238803	+
Ssh2	MmuEX0045044	chr11	77243334	77251128	77251274	77255360	+
Ssh2	MmuEX0045045	chr11	77211771	77221628	77221749	77229917	+
Ssh2	MmuEX0045046	chr11	77221749	77229917	77229985	77230968	+
Ssh2	MmuEX0045048	chr11	77234912	77238803	77238896	77239025	+
Ssh3	MmuEX0045049	chr19	4266637	4267747	4267978	4268545	-
Ssh3	MmuEX0045050	chr19	4266446	4266522	4266637	4267747	-
Ssh3	MmuEX0045051	chr19	4265998	4266107	4266172	4266375	-
Ssh3	MmuEX0045052	chr19	4264460	4265103	4265149	4265292	-
Ssh3	MmuEX0045053	chr19	4265420	4265610	4265703	4265810	-
Ssh3	MmuEX0045054	chr19	4266172	4266375	4266446	4266522	-
Ssh3	MmuEX0045055	chr19	4266637	4268545	4268582	4269015	-
Sspn	MmuEX0045056	chr6	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Ssr1	MmuEX0045071	chr13	38071675	38075262	38075355	38077133	-
Ssr1	MmuEX0045072	chr13	38071675	38074964	38074978	38075262	-
Ssr4	MmuEX0045073	chrX	71034292	71034419	71034492	71035139	+
Ssr4	MmuEX0045074	chrX	71035459	71035698	71035763	71035993	+
Ssrp1	MmuEX0045075	chr2	84877485	84877951	84878126	84878510	+
Ssrp1	MmuEX0045076	chr2	84882472	84882580	84882588	84882850	+
Ssx2ip	MmuEX0045078	chr3	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
St13	MmuEX0045079	chr15	81222752	81229737	81229813	81229915	-
St13	MmuEX0045080	chr15	81222752	81226535	81226604	81229915	-
St13	MmuEX0045081	chr15	81222752	81229915	81230117	81230219	-
St3gal1	MmuEX0045093	chr15	66939890	66941168	66941213	66942794	-
St3gal1	MmuEX0045094	chr15	66984732	66994549	66994613	67008194	-
St3gal2	MmuEX0045095	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
St3gal3	MmuEX0045096	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045097	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045098	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045099	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045100	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045101	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045102	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045103	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045104	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045105	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045106	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045107	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal3	MmuEX0045108	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
St3gal4	MmuEX0045109	chr9	34862867	34863159	34863234	34924283	-
St3gal5	MmuEX0045110	chr6	72047988	72048911	72048971	72078258	+
St3gal5	MmuEX0045111	chr6	72047988	72078258	72078381	72092134	+

St3gal5	MmuEX0045112	chr6	72078381	72082046	72082157	72092134	+
St3gal5	MmuEX0045113	chr6	72092477	72097063	72097249	72099013	+
St3gal5	MmuEX0045114	chr6	72097249	72099013	72099171	72103425	+
St3gal6	MmuEX0045115	chr16	58476058	58483194	58483283	58484876	-
St3gal6	MmuEX0045116	chr16	58470840	58471191	58471339	58472424	-
St3gal6	MmuEX0045117	chr16	58493974	58507561	58507727	58523189	-
St3gal6	MmuEX0045119	chr16	58507727	58523615	58523785	58524237	-
St3gal6	MmuEX0045120	chr16	58489094	58493793	58493974	58507561	-
St3gal6	MmuEX0045121	chr16	58486611	58489017	58489094	58493793	-
St3gal6	MmuEX0045122	chr16	58484939	58486508	58486611	58489017	-
St5	MmuEX0045123	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045124	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045125	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045126	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045127	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045128	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045129	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St5	MmuEX0045130	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St6gal1	MmuEX0045132	chr16	23328512	23354939	23355037	23356282	+
St6gal1	MmuEX0045133	chr16	23257174	23308114	23308261	23317637	+
St6gal1	MmuEX0045134	chr16	23257174	23317637	23317771	23321106	+
St6galnac2	MmuEX0045141	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St6galnac2	MmuEX0045142	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St6galnac2	MmuEX0045143	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St6galnac2	MmuEX0045144	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St6galnac2	MmuEX0045145	chr11	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
St6galnac4	MmuEX0045150	chr2	32449922	32451214	32451321	32452534	+
St6galnac4	MmuEX0045151	chr2	32449922	32451015	32451070	32451214	+
St6galnac6	MmuEX0045153	chr2	32462631	32463562	32463616	32464746	+
St6galnac6	MmuEX0045154	chr2	32464836	32467744	32467923	32470301	+
St6galnac6	MmuEX0045155	chr2	32455356	32464746	32464836	32467744	+
St7	MmuEX0045156	chr6	17644362	17769250	17769332	17784617	+
St7	MmuEX0045157	chr6	17884258	17889515	17889676	17892670	+
St7	MmuEX0045158	chr6	17802412	17804931	17805028	17854897	+
St7	MmuEX0045159	chr6	17805028	17836004	17836118	17854897	+
St7	MmuEX0045160	chr6	17836118	17854897	17854969	17856408	+
St7	MmuEX0045161	chr6	17854969	17855707	17855842	17856408	+
St7	MmuEX0045162	chr6	17769332	17777992	17778194	17784617	+
St7	MmuEX0045163	chr6	17769332	17784617	17784776	17794909	+
St7	MmuEX0045164	chr6	17784776	17794909	17794963	17854897	+
St7	MmuEX0045165	chr6	17794963	17796199	17796314	17802258	+
St7	MmuEX0045166	chr6	17796314	17798004	17798079	17802258	+
St7	MmuEX0045167	chr6	17798079	17800357	17800425	17802258	+
St7	MmuEX0045168	chr6	17798079	17802258	17802412	17854897	+
St7	MmuEX0045169	chr6	17856510	17871989	17872124	17880766	+
St7	MmuEX0045170	chr6	17872139	17880766	17880858	17884119	+
St7	MmuEX0045171	chr6	17856510	17884119	17884258	17892670	+

St7l	MmuEX0045172	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St7l	MmuEX0045173	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St7l	MmuEX0045174	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St7l	MmuEX0045175	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St7l	MmuEX0045176	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St7l	MmuEX0045177	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St7l	MmuEX0045178	chr3	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
St8sia4	MmuEX0045182	chr1	97488541	97524084	97524377	97550090	-
Stab1	MmuEX0045186	chr14	31972505	31972683	31972736	31972821	-
Stab1	MmuEX0045187	chr14	31961299	31961409	31961604	31962126	-
Stab1	MmuEX0045188	chr14	31954642	31954719	31954826	31954975	-
Stab1	MmuEX0045189	chr14	31954361	31954449	31954642	31954719	-
Stab1	MmuEX0045190	chr14	31960286	31960390	31960463	31960673	-
Stab1	MmuEX0045191	chr14	31973816	31973983	31974077	31974265	-
Stab1	MmuEX0045192	chr14	31953034	31953112	31953261	31953334	-
Stab1	MmuEX0045193	chr14	31952599	31952930	31953034	31953334	-
Stab1	MmuEX0045194	chr14	31952599	31952693	31952839	31953334	-
Stag1	MmuEX0045209	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045210	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045211	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045212	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045213	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045214	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045215	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045216	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045217	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045218	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045219	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045220	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045221	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045222	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045223	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045224	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045225	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045226	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045227	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045228	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045229	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045230	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045231	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045232	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045233	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045234	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045235	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045236	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045237	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045238	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+

Stag1	MmuEX0045239	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045240	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045241	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag1	MmuEX0045242	chr9	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stag2	MmuEX0045243	chrX	39504011	39555032	39555171	39559223	+
Stag2	MmuEX0045244	chrX	39619452	39619543	39619653	39622558	+
Stam	MmuEX0045257	chr2	13995963	13996054	13996174	14024028	+
Stam	MmuEX0045258	chr2	13995963	14024028	14024112	14037444	+
Stam	MmuEX0045259	chr2	14059201	14059763	14059817	14060583	+
Stam	MmuEX0045260	chr2	14037519	14037605	14037700	14039016	+
Stam2	MmuEX0045261	chr2	52580002	52580780	52580886	52601095	-
Stam2	MmuEX0045262	chr2	52559205	52562136	52562286	52565433	-
Stam2	MmuEX0045263	chr2	52550456	52559039	52559205	52562136	-
Stam2	MmuEX0045264	chr2	52574791	52575459	52575605	52578731	-
Stam2	MmuEX0045265	chr2	52575605	52578731	52578829	52578936	-
Stambp	MmuEX0045266	chr6	83514250	83520297	83520513	83522405	-
Stambp	MmuEX0045267	chr6	83497324	83501938	83502050	83506269	-
Stambp	MmuEX0045268	chr6	83494030	83497225	83497324	83501938	-
Stambpl1	MmuEX0045271	chr19	34304658	34305921	34306016	34308451	+
Stambpl1	MmuEX0045272	chr19	34307295	34307693	34307746	34308451	+
Stambpl1	MmuEX0045273	chr19	34308808	34309700	34309824	34310766	+
Stambpl1	MmuEX0045274	chr19	34309824	34310766	34310903	34313266	+
Stambpl1	MmuEX0045275	chr19	34310903	34313266	34313378	34313993	+
Stambpl1	MmuEX0045276	chr19	34313378	34313993	34314092	34314507	+
Stambpl1	MmuEX0045277	chr19	34294756	34301032	34301249	34304583	+
Stap2	MmuEX0045281	chr17	56136957	56137028	56137120	56137201	-
Stap2	MmuEX0045282	chr17	56137374	56139336	56139438	56139510	-
Stap2	MmuEX0045283	chr17	56137374	56139166	56139231	56139510	-
Stard10	MmuEX0045284	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Stard10	MmuEX0045285	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Stard10	MmuEX0045286	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Stard10	MmuEX0045287	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Stard13	MmuEX0045288	chr5	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Stard3	MmuEX0045289	chr11	98238856	98239470	98239532	98239649	+
Stard3	MmuEX0045290	chr11	98237042	98237804	98237921	98238066	+
Stard3	MmuEX0045291	chr11	98233656	98234722	98234884	98236318	+
Stard3nl	MmuEX0045292	chr13	19482966	19485801	19485903	19487573	-
Stard3nl	MmuEX0045293	chr13	19450920	19457031	19457214	19459613	-
Stard3nl	MmuEX0045294	chr13	19465082	19468248	19468530	19487573	-
Stard3nl	MmuEX0045295	chr13	19459708	19462119	19462236	19462349	-
Stard4	MmuEX0045297	chr18	33363469	33364705	33364819	33365774	-
Stard5	MmuEX0045298	chr7	90781295	90781640	90781772	90785261	+
Stard5	MmuEX0045299	chr7	90780653	90781246	90781295	90781640	+
Stard7	MmuEX0045300	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Stard7	MmuEX0045301	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Stard7	MmuEX0045302	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Stard8	MmuEX0045303	chrX	96238133	96255645	96255692	96256067	+

Stard8	MmuEX0045304	chrX	96238133	96256067	96256138	96258704	+
Stard8	MmuEX0045305	chrX	96266837	96267773	96267990	96268093	+
Stard8	MmuEX0045306	chrX	96265675	96266613	96266837	96267773	+
Stard8	MmuEX0045307	chrX	96256138	96258704	96258785	96260897	+
Stard8	MmuEX0045308	chrX	96256138	96259733	96259796	96260897	+
Stard9	MmuEX0045315	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Stard9	MmuEX0045316	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Stard9	MmuEX0045317	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Stard9	MmuEX0045318	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Stat1	MmuEX0045319	chr1	52196196	52197421	52197513	52199745	+
Stat1	MmuEX0045320	chr1	52189477	52192447	52192525	52193723	+
Stat1	MmuEX0045321	chr1	52210873	52211830	52211905	52212827	+
Stat2	MmuEX0045322	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Stat2	MmuEX0045323	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Stat2	MmuEX0045324	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Stat2	MmuEX0045325	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Stat3	MmuEX0045326	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Stat3	MmuEX0045327	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Stat5a	MmuEX0045333	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Stat5b	MmuEX0045334	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Stat5b	MmuEX0045335	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Stat5b	MmuEX0045336	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Stat6	MmuEX0045337	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Stat6	MmuEX0045338	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Stat6	MmuEX0045339	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Stau1	MmuEX0045340	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Stau1	MmuEX0045341	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Stau1	MmuEX0045342	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Stau1	MmuEX0045343	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Stau2	MmuEX0045344	chr1	16507016	16508466	16508502	16509254	-
Stau2	MmuEX0045345	chr1	16499489	16506963	16507016	16509254	-
Stau2	MmuEX0045346	chr1	16430539	16453116	16453275	16476101	-
Stau2	MmuEX0045347	chr1	16364892	16379902	16380114	16382598	-
Stau2	MmuEX0045348	chr1	16221172	16335785	16336092	16356160	-
Stau2	MmuEX0045349	chr1	16219947	16221084	16221172	16335785	-
Stau2	MmuEX0045350	chr1	16476231	16481322	16481475	16499423	-
Stau2	MmuEX0045351	chr1	16453275	16476101	16476231	16499423	-
Stau2	MmuEX0045352	chr1	16384291	16430404	16430539	16453116	-
Stc2	MmuEX0045354	chr11	31260528	31265332	31265543	31267726	-
Stim1	MmuEX0045368	chr7	1.09E+08	1.1E+08	1.1E+08	1.1E+08	+
Stim1	MmuEX0045369	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Stim1	MmuEX0045370	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Stim1	MmuEX0045371	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Stim2	MmuEX0045372	chr5	54501109	54501776	54501876	54502111	+
Stim2	MmuEX0045373	chr5	54444745	54465976	54466088	54466519	+
Stim2	MmuEX0045374	chr5	54444745	54466519	54466633	54493814	+
Stim2	MmuEX0045375	chr5	54501109	54501355	54501378	54501776	+

Stip1	MmuEX0045376	chr19	7108794	7109137	7109278	7109986	-
Stip1	MmuEX0045377	chr19	7107139	7108653	7108794	7109137	-
Stk10	MmuEX0045378	chr11	32433559	32455124	32455288	32474499	+
Stk10	MmuEX0045379	chr11	32455288	32474499	32474547	32477624	+
Stk10	MmuEX0045380	chr11	32510725	32512671	32512800	32513462	+
Stk10	MmuEX0045381	chr11	32477773	32487313	32487385	32488536	+
Stk10	MmuEX0045382	chr11	32488950	32489410	32489491	32496615	+
Stk10	MmuEX0045383	chr11	32514713	32515781	32515906	32517849	+
Stk11	MmuEX0045384	chr10	79589114	79589399	79589526	79589790	+
Stk11	MmuEX0045385	chr10	79589847	79590703	79590845	79592655	+
Stk11	MmuEX0045386	chr10	79579652	79580243	79580291	79580410	+
Stk11	MmuEX0045387	chr10	79580291	79580410	79580568	79587547	+
Stk11	MmuEX0045388	chr10	79588313	79588820	79588910	79588978	+
Stk11	MmuEX0045389	chr10	79590845	79591136	79592445	79592650	+
Stk11ip	MmuEX0045390	chr1	75524418	75524544	75524693	75524884	+
Stk11ip	MmuEX0045391	chr1	75526625	75526748	75526925	75528878	+
Stk11ip	MmuEX0045392	chr1	75530232	75530328	75530506	75530747	+
Stk11ip	MmuEX0045393	chr1	75522089	75522215	75522330	75522427	+
Stk11ip	MmuEX0045394	chr1	75522733	75523633	75523759	75523938	+
Stk11ip	MmuEX0045395	chr1	75518424	75521258	75521463	75521663	+
Stk11ip	MmuEX0045396	chr1	75522089	75522427	75522534	75522662	+
Stk11ip	MmuEX0045397	chr1	75524693	75524884	75524968	75525486	+
Stk11ip	MmuEX0045398	chr1	75529090	75529202	75529305	75530135	+
Stk11ip	MmuEX0045399	chr1	75530828	75530979	75531049	75531753	+
Stk16	MmuEX0045400	chr1	75209308	75209461	75209581	75209708	+
Stk16	MmuEX0045401	chr1	75209581	75209708	75209803	75210151	+
Stk17b	MmuEX0045402	chr1	53828666	53833361	53833523	53841918	-
Stk17b	MmuEX0045403	chr1	53818005	53819433	53819481	53820876	-
Stk19	MmuEX0045404	chr17	34969097	34969391	34969486	34973375	-
Stk19	MmuEX0045405	chr17	34961793	34968958	34969097	34969391	-
Stk19	MmuEX0045406	chr17	34961269	34961459	34961606	34961696	-
Stk24	MmuEX0045407	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Stk24	MmuEX0045408	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Stk24	MmuEX0045409	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Stk25	MmuEX0045410	chr1	95521201	95521611	95521725	95522038	-
Stk25	MmuEX0045411	chr1	95520109	95521130	95521201	95521611	-
Stk25	MmuEX0045412	chr1	95519103	95519973	95520109	95521130	-
Stk25	MmuEX0045413	chr1	95524287	95525611	95525841	95531875	-
Stk3	MmuEX0045414	chr15	34938053	35002185	35002352	35002812	-
Stk3	MmuEX0045415	chr15	34806575	34874761	34874936	34888621	-
Stk3	MmuEX0045416	chr15	35044412	35045320	35045400	35085282	-
Stk3	MmuEX0045417	chr15	35029303	35044284	35044412	35045320	-
Stk3	MmuEX0045418	chr15	35029303	35033981	35034175	35044284	-
Stk3	MmuEX0045419	chr15	35002976	35029189	35029303	35044284	-
Stk3	MmuEX0045420	chr15	35002976	35018143	35018191	35029189	-
Stk3	MmuEX0045421	chr15	34888831	34929586	34929711	34937916	-
Stk3	MmuEX0045422	chr15	35044412	35044693	35044713	35045320	-

Stk32c	MmuEX0045446	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Stk32c	MmuEX0045447	chr7	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Stk35	MmuEX0045457	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Stk35	MmuEX0045458	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Stk38	MmuEX0045469	chr17	29119131	29121022	29121145	29125123	-
Stk38	MmuEX0045470	chr17	29111614	29112764	29112881	29114485	-
Stk38	MmuEX0045471	chr17	29111322	29111491	29111614	29112764	-
Stk38	MmuEX0045472	chr17	29116250	29116665	29117467	29118977	-
Stk38	MmuEX0045473	chr17	29114546	29116148	29116250	29118977	-
Stk38	MmuEX0045474	chr17	29129413	29135737	29135839	29136954	-
Stk38	MmuEX0045475	chr17	29125206	29129362	29129413	29136954	-
Stk38	MmuEX0045476	chr17	29125206	29128243	29128365	29136954	-
Stk39	MmuEX0045479	chr2	68152660	68196871	68196936	68197043	-
Stk39	MmuEX0045480	chr2	68236589	68248086	68248198	68309691	-
Stk39	MmuEX0045481	chr2	68145165	68147049	68147111	68152421	-
Stk39	MmuEX0045482	chr2	68204264	68206454	68206555	68207053	-
Stk39	MmuEX0045483	chr2	68059025	68105096	68105148	68145098	-
Stk39	MmuEX0045484	chr2	68059025	68101292	68101360	68145098	-
Stk4	MmuEX0045485	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Stk4	MmuEX0045486	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Stk4	MmuEX0045487	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Stk4	MmuEX0045488	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Stk4	MmuEX0045489	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Stk4	MmuEX0045490	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Stk40	MmuEX0045491	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Stk40	MmuEX0045492	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Stk40	MmuEX0045493	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Stmn2	MmuEX0045496	chr3	8509630	8540794	8540864	8541841	+
Stom	MmuEX0045500	chr2	35180906	35181941	35182044	35192379	-
Stoml1	MmuEX0045501	chr9	58108229	58108605	58108820	58109453	+
Stoml1	MmuEX0045502	chr9	58101206	58102741	58102847	58104447	+
Stoml1	MmuEX0045503	chr9	58102847	58103341	58103620	58104447	+
Stoml2	MmuEX0045504	chr4	43043170	43043308	43043407	43043843	-
Stox2	MmuEX0045512	chr8	48279458	48282000	48282094	48288475	-
Stox2	MmuEX0045515	chr8	48271926	48276987	48277040	48277193	-
Stra13	MmuEX0045516	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Stra13	MmuEX0045517	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Stra13	MmuEX0045518	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Strada	MmuEX0045522	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Strada	MmuEX0045523	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Strada	MmuEX0045524	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Strada	MmuEX0045525	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Strada	MmuEX0045526	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Strada	MmuEX0045527	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Strada	MmuEX0045528	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Stradb	MmuEX0045529	chr1	59049981	59050405	59050447	59051137	+
Stradb	MmuEX0045530	chr1	59030694	59033803	59033909	59036778	+

Stradb	MmuEX0045531	chr1	59036858	59037251	59037417	59042133	+
Stradb	MmuEX0045532	chr1	59047980	59049048	59049219	59049495	+
Strbp	MmuEX0045533	chr2	37480809	37482002	37482097	37482955	-
Strbp	MmuEX0045536	chr2	37480110	37480698	37480809	37482002	-
Strn	MmuEX0045538	chr17	79066598	79069091	79069234	79071916	-
Strn	MmuEX0045539	chr17	79069234	79069695	79069781	79071916	-
Strn3	MmuEX0045540	chr12	52762700	52790356	52790441	52792409	-
Strn3	MmuEX0045541	chr12	52751217	52752154	52752313	52753659	-
Strn3	MmuEX0045542	chr12	52728218	52728500	52728547	52728692	-
Strn3	MmuEX0045543	chr12	52720908	52721410	52721550	52722767	-
Strn3	MmuEX0045544	chr12	52711433	52720801	52720908	52722767	-
Strn3	MmuEX0045545	chr12	52756470	52762597	52762700	52792409	-
Strn3	MmuEX0045546	chr12	52728867	52730361	52730494	52748981	-
Strn3	MmuEX0045547	chr12	52756470	52762138	52762211	52792409	-
Strn3	MmuEX0045548	chr12	52728867	52756389	52756470	52792409	-
Strn3	MmuEX0045549	chr12	52728867	52753659	52753832	52792409	-
Strn3	MmuEX0045550	chr12	52730494	52744091	52744201	52748981	-
Strn3	MmuEX0045551	chr12	52730494	52734566	52734706	52744091	-
Strn4	MmuEX0045552	chr7	17416929	17418275	17418450	17418527	+
Strn4	MmuEX0045553	chr7	17423717	17423912	17423998	17425090	+
Strn4	MmuEX0045554	chr7	17409566	17411813	17412010	17414024	+
Strn4	MmuEX0045555	chr7	17401983	17407845	17407948	17414024	+
Strn4	MmuEX0045556	chr7	17407948	17408355	17408428	17409488	+
Strn4	MmuEX0045557	chr7	17401983	17409488	17409566	17414024	+
Stt3a	MmuEX0045558	chr9	36551736	36554139	36554230	36555510	-
Stt3a	MmuEX0045559	chr9	36551189	36551581	36551736	36554139	-
Stt3b	MmuEX0045560	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Stt3b	MmuEX0045561	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Stt3b	MmuEX0045562	chr9	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Stx12	MmuEX0045565	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Stx16	MmuEX0045566	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Stx16	MmuEX0045567	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Stx16	MmuEX0045569	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Stx16	MmuEX0045570	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Stx16	MmuEX0045571	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Stx17	MmuEX0045572	chr4	48144821	48150528	48150679	48153292	+
Stx17	MmuEX0045573	chr4	48153357	48171683	48171905	48179800	+
Stx17	MmuEX0045574	chr4	48179915	48180078	48180128	48193542	+
Stx17	MmuEX0045575	chr4	48137938	48141925	48141970	48144637	+
Stx17	MmuEX0045576	chr4	48144821	48153292	48153357	48171683	+
Stx18	MmuEX0045577	chr5	38430738	38483752	38483819	38496117	+
Stx18	MmuEX0045578	chr5	38507436	38512450	38512538	38518171	+
Stx18	MmuEX0045579	chr5	38497880	38498065	38498131	38507324	+
Stx18	MmuEX0045580	chr5	38498131	38502535	38502679	38507324	+
Stx18	MmuEX0045581	chr5	38496232	38497803	38497880	38498065	+
Stx2	MmuEX0045587	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Stx2	MmuEX0045588	chr5	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-

Stx2	MmuEX0045589	chr5	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Stx2	MmuEX0045590	chr5	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Stx3	MmuEX0045591	chr19	11853663	11856057	11856170	11857516	-
Stx3	MmuEX0045592	chr19	11856170	11857516	11857626	11859880	-
Stx3	MmuEX0045593	chr19	11851660	11857290	11857400	11859880	-
Stx3	MmuEX0045594	chr19	11864121	11866236	11866335	11877984	-
Stx3	MmuEX0045595	chr19	11864121	11864538	11864583	11866236	-
Stx4a	MmuEX0045596	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Stx4a	MmuEX0045597	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Stx4a	MmuEX0045598	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Stx4a	MmuEX0045599	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Stx5a	MmuEX0045600	chr19	8816065	8816508	8816611	8816744	+
Stx5a	MmuEX0045601	chr19	8816065	8816744	8816987	8817344	+
Stx5a	MmuEX0045602	chr19	8823378	8824156	8824262	8824396	+
Stx5a	MmuEX0045603	chr19	8816987	8817344	8817414	8817570	+
Stx5a	MmuEX0045604	chr19	8816987	8817570	8817625	8817843	+
Stx6	MmuEX0045605	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Stx6	MmuEX0045606	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Stx7	MmuEX0045607	chr10	23875190	23896972	23897041	23898923	+
Stx8	MmuEX0045608	chr11	67834500	67922779	67922880	68017208	+
Stx8	MmuEX0045609	chr11	67783373	67786735	67786829	67798065	+
Stx8	MmuEX0045610	chr11	67786829	67798065	67798175	67824817	+
Stx8	MmuEX0045611	chr11	67798175	67824817	67824941	67834408	+
Stx8	MmuEX0045612	chr11	67824941	67834408	67834500	67922779	+
Stxbp1	MmuEX0045613	chr2	32677436	32678647	32678691	32679056	-
Stxbp1	MmuEX0045614	chr2	32675430	32677355	32677436	32679056	-
Stxbp1	MmuEX0045615	chr2	32650233	32651536	32651690	32653625	-
Stxbp1	MmuEX0045616	chr2	32674025	32675354	32675430	32677355	-
Stxbp1	MmuEX0045617	chr2	32645157	32650108	32650233	32651536	-
Stxbp2	MmuEX0045618	chr8	3631278	3632220	3632269	3633291	+
Stxbp2	MmuEX0045619	chr8	3632269	3632500	3632581	3633291	+
Stxbp2	MmuEX0045620	chr8	3632600	3633291	3633367	3635446	+
Stxbp2	MmuEX0045621	chr8	3633367	3633848	3633926	3635446	+
Stxbp2	MmuEX0045622	chr8	3633926	3634020	3634123	3635446	+
Stxbp2	MmuEX0045623	chr8	3634123	3634475	3634623	3635446	+
Stxbp2	MmuEX0045624	chr8	3639617	3641111	3641206	3641735	+
Stxbp2	MmuEX0045625	chr8	3641206	3641735	3641820	3641895	+
Stxbp3a	MmuEX0045626	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Stxbp3a	MmuEX0045627	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Stxbp3a	MmuEX0045628	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Stxbp3a	MmuEX0045629	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Stxbp3a	MmuEX0045630	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Stxbp4	MmuEX0045631	chr11	90436653	90453646	90453737	90456059	-
Stxbp4	MmuEX0045633	chr11	90401596	90410125	90410301	90433036	-
Stxbp4	MmuEX0045634	chr11	90355973	90396794	90396927	90399225	-
Stxbp4	MmuEX0045635	chr11	90468765	90480497	90480629	90482969	-
Stxbp4	MmuEX0045637	chr11	90456155	90461500	90461594	90467267	-

Stxbp4	MmuEX0045638	chr11	90453737	90456059	90456155	90467267	-
Stxbp5	MmuEX0045639	chr10	9518071	9519741	9519866	9528218	-
Stxbp5	MmuEX0045640	chr10	9497869	9509161	9509226	9517920	-
Stxbp5	MmuEX0045641	chr10	9490487	9497819	9497869	9509161	-
Stxbp5	MmuEX0045642	chr10	9497869	9498712	9498765	9503986	-
Stxbp5	MmuEX0045643	chr10	9482763	9485614	9485898	9486956	-
Stxbp5	MmuEX0045644	chr10	9480752	9482543	9482763	9486956	-
Stxbp5	MmuEX0045645	chr10	9532205	9536049	9536121	9537104	-
Stxbp5	MmuEX0045646	chr10	9509226	9516736	9516819	9517920	-
Stxbp5	MmuEX0045647	chr10	9497869	9504139	9504198	9509144	-
Stxbp5	MmuEX0045648	chr10	9497869	9503986	9504033	9509144	-
Stxbp5	MmuEX0045649	chr10	9488793	9489139	9489332	9490248	-
Stxbp5	MmuEX0045650	chr10	9519866	9528827	9529047	9531466	-
Stxbp5	MmuEX0045651	chr10	9519866	9528218	9528396	9531466	-
Stxbp6	MmuEX0045660	chr12	45962369	46002861	46003026	46003847	-
Stxbp6	MmuEX0045661	chr12	46003977	46120454	46120642	46175182	-
Stxbp6	MmuEX0045662	chr12	46003977	46114651	46114751	46120454	-
Sucla2	MmuEX0045672	chr14	73968831	73979163	73979291	73981486	+
Sucla2	MmuEX0045673	chr14	73952704	73960248	73960428	73968441	+
Sucla2	MmuEX0045674	chr14	73968540	73968669	73968831	73979163	+
Sucla2	MmuEX0045675	chr14	73979291	73981486	73981624	73990564	+
Suclg1	MmuEX0045676	chr6	73206268	73210469	73210585	73213802	+
Suds3	MmuEX0045680	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Suds3	MmuEX0045681	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Sufu	MmuEX0045682	chr19	46529336	46543834	46543954	46548062	+
Sufu	MmuEX0045683	chr19	46471774	46475614	46475748	46499489	+
Sufu	MmuEX0045684	chr19	46524461	46525069	46525154	46525381	+
Sugp1	MmuEX0045685	chr8	72594072	72594230	72594336	72595421	+
Sugp1	MmuEX0045686	chr8	72594072	72595013	72595158	72595421	+
Sugp1	MmuEX0045687	chr8	72580503	72583193	72583304	72583652	+
Sugp2	MmuEX0045688	chr8	72784488	72785130	72785216	72786770	+
Sugp2	MmuEX0045689	chr8	72767955	72772328	72772445	72775513	+
Sugp2	MmuEX0045690	chr8	72772785	72775513	72776000	72781029	+
Sugp2	MmuEX0045691	chr8	72776000	72777478	72777589	72781029	+
Sugp2	MmuEX0045692	chr8	72781513	72782842	72782903	72783582	+
Sugp2	MmuEX0045693	chr8	72783718	72784368	72784488	72785130	+
Sugt1	MmuEX0045694	chr14	79987673	79987761	79987818	79995176	+
Sugt1	MmuEX0045695	chr14	80019606	80021911	80022018	80024648	+
Sulf1	MmuEX0045697	chr1	12838535	12840841	12840874	12848893	+
Sulf1	MmuEX0045698	chr1	12718769	12776160	12776232	12776549	+
Sulf1	MmuEX0045699	chr1	12682765	12718675	12718769	12776160	+
Sulf1	MmuEX0045700	chr1	12838318	12838412	12838535	12840841	+
Sulf2	MmuEX0045701	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Sulf2	MmuEX0045702	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Sulf2	MmuEX0045703	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Sulf2	MmuEX0045704	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Sult1a1	MmuEX0045705	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-

Sumf1	MmuEX0045717	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sumf1	MmuEX0045718	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sumf1	MmuEX0045719	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sumf1	MmuEX0045720	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sumf1	MmuEX0045721	chr6	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Sumf2	MmuEX0045722	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sumf2	MmuEX0045723	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sumf2	MmuEX0045724	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sumf2	MmuEX0045725	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sumf2	MmuEX0045726	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Sumo1	MmuEX0045727	chr1	59701433	59709616	59709712	59712302	-
Sumo3	MmuEX0045728	chr10	77076796	77078672	77078779	77078893	+
Sun1	MmuEX0045729	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045730	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045731	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045732	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045733	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045734	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045735	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045736	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045737	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045738	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun1	MmuEX0045739	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Sun2	MmuEX0045740	chr15	79566355	79567496	79567589	79567903	-
Sun2	MmuEX0045741	chr15	79564665	79566276	79566355	79567496	-
Sun2	MmuEX0045742	chr15	79560774	79564538	79564665	79566276	-
Sun2	MmuEX0045743	chr15	79559506	79559911	79559988	79560520	-
Sun2	MmuEX0045744	chr15	79558514	79558846	79559011	79559463	-
Sun2	MmuEX0045745	chr15	79555990	79556972	79557064	79557221	-
Sun2	MmuEX0045746	chr15	79567589	79567903	79567998	79568950	-
Supt16h	MmuEX0045750	chr14	52797831	52797959	52798032	52799149	-
Supt16h	MmuEX0045751	chr14	52799239	52799776	52799948	52800692	-
Supt3h	MmuEX0045752	chr17	44923659	44929628	44929738	45060128	+
Supt3h	MmuEX0045753	chr17	44923659	45060128	45060212	45128683	+
Supt3h	MmuEX0045754	chr17	45175132	45178165	45178335	45185231	+
Supt3h	MmuEX0045755	chr17	45140178	45170187	45170262	45173661	+
Supt3h	MmuEX0045756	chr17	45178335	45185231	45185341	45256073	+
Supt5h	MmuEX0045758	chr7	29114503	29114602	29114671	29115037	-
Supt5h	MmuEX0045759	chr7	29109001	29110737	29110803	29110969	-
Supt5h	MmuEX0045760	chr7	29102132	29102235	29102337	29102412	-
Supt5h	MmuEX0045761	chr7	29114671	29115037	29115048	29115599	-
Supt5h	MmuEX0045762	chr7	29101196	29101302	29101460	29101803	-
Supt5h	MmuEX0045763	chr7	29102519	29102756	29102840	29103758	-
Supt5h	MmuEX0045764	chr7	29116548	29122946	29123042	29123371	-
Supt5h	MmuEX0045765	chr7	29115664	29116389	29116548	29123371	-
Supt6h	MmuEX0045766	chr11	78047185	78058699	78058798	78059050	-
Supt6h	MmuEX0045767	chr11	78046335	78047047	78047185	78059050	-

Supt6h	MmuEX0045768	chr11	78042273	78042456	78042545	78042899	-
Supt6h	MmuEX0045769	chr11	78037985	78038098	78038237	78038809	-
Supt6h	MmuEX0045770	chr11	78026964	78029707	78029847	78031343	-
Supt6h	MmuEX0045771	chr11	78033592	78034099	78034249	78034623	-
Supt7l	MmuEX0045772	chr5	31820877	31822456	31822780	31825027	-
Supt7l	MmuEX0045773	chr5	31818299	31820640	31820877	31822456	-
Supv3l1	MmuEX0045774	chr10	61909879	61910444	61910521	61912163	-
Supv3l1	MmuEX0045775	chr10	61895880	61897143	61897362	61898207	-
Supv3l1	MmuEX0045776	chr10	61898574	61900182	61900273	61901722	-
Surf1	MmuEX0045777	chr2	26771249	26771475	26771526	26771777	-
Surf1	MmuEX0045778	chr2	26771034	26771116	26771249	26771475	-
Surf1	MmuEX0045779	chr2	26769025	26769097	26769178	26769433	-
Surf1	MmuEX0045780	chr2	26769767	26770227	26770415	26770952	-
Surf1	MmuEX0045781	chr2	26769595	26769695	26769767	26770227	-
Surf1	MmuEX0045782	chr2	26769178	26769433	26769595	26769695	-
Surf2	MmuEX0045783	chr2	26772379	26772948	26773051	26774393	+
Surf4	MmuEX0045784	chr2	26777691	26781128	26781204	26782289	-
Surf4	MmuEX0045785	chr2	26777691	26780473	26780516	26782289	-
Surf4	MmuEX0045786	chr2	26777691	26779865	26780051	26782289	-
Surf6	MmuEX0045787	chr2	26744898	26748387	26748587	26754857	-
Surf6	MmuEX0045788	chr2	26744898	26747511	26748245	26754857	-
Susd3	MmuEX0045807	chr13	49326700	49332793	49332981	49334158	-
Suv39h1	MmuEX0045811	chrX	7648376	7649449	7649594	7651242	-
Suv39h1	MmuEX0045812	chrX	7640109	7640822	7640951	7641037	-
Suv420h1	MmuEX0045815	chr19	3782852	3783594	3783775	3786389	+
Suv420h1	MmuEX0045816	chr19	3805053	3807225	3807421	3814115	+
Suv420h1	MmuEX0045817	chr19	3768340	3777462	3777512	3786389	+
Suv420h1	MmuEX0045818	chr19	3768340	3782220	3782279	3786389	+
Suv420h1	MmuEX0045819	chr19	3768340	3782756	3782852	3786389	+
Suv420h1	MmuEX0045820	chr19	3768340	3786389	3786627	3793068	+
Suv420h1	MmuEX0045821	chr19	3793215	3796640	3796708	3802075	+
Suv420h1	MmuEX0045822	chr19	3802897	3804448	3804561	3804814	+
Suv420h1	MmuEX0045823	chr19	3804561	3804814	3804833	3804917	+
Suv420h2	MmuEX0045824	chr7	4694868	4697404	4697540	4697679	+
Suv420h2	MmuEX0045825	chr7	4691841	4692323	4692420	4693382	+
Suv420h2	MmuEX0045826	chr7	4693583	4693724	4693889	4694221	+
Suv420h2	MmuEX0045827	chr7	4694712	4694849	4694868	4697404	+
Suz12	MmuEX0045828	chr11	79812627	79821015	79821064	79824060	+
Suz12	MmuEX0045829	chr11	79824145	79826866	79827097	79828645	+
Suz12	MmuEX0045830	chr11	79838813	79839299	79839456	79842650	+
Suz12	MmuEX0045831	chr11	79809311	79812559	79812627	79821015	+
Suz12	MmuEX0045832	chr11	79812627	79815647	79815686	79821015	+
Suz12	MmuEX0045833	chr11	79821064	79824060	79824145	79826866	+
Svep1	MmuEX0045840	chr4	58067584	58070802	58070865	58077044	-
Svil	MmuEX0045842	chr18	4971195	5012050	5012166	5037106	+
Svil	MmuEX0045843	chr18	5074002	5077369	5077416	5082781	+
Svil	MmuEX0045844	chr18	5074002	5082781	5082928	5086533	+

Svil	MmuEX0045845	chr18	5092998	5093133	5093227	5094536	+
Svil	MmuEX0045846	chr18	5092998	5094536	5094672	5095170	+
Svil	MmuEX0045847	chr18	5105869	5106662	5106869	5108573	+
Svil	MmuEX0045848	chr18	5106869	5108573	5108706	5114529	+
Svil	MmuEX0045849	chr18	5037163	5040146	5040237	5046587	+
Svil	MmuEX0045850	chr18	5059367	5060513	5060608	5062160	+
Svil	MmuEX0045851	chr18	5064688	5073879	5074002	5082781	+
Svil	MmuEX0045852	chr18	5082928	5086533	5086622	5086708	+
Svil	MmuEX0045853	chr18	5099708	5105764	5105869	5114506	+
Svil	MmuEX0045854	chr18	5114684	5115976	5116119	5118098	+
Svil	MmuEX0045855	chr18	5116119	5116971	5117095	5118098	+
Svil	MmuEX0045856	chr18	5049492	5054016	5054096	5058123	+
Svil	MmuEX0045857	chr18	5049492	5055978	5056847	5058123	+
Svil	MmuEX0045858	chr18	5049492	5057273	5057437	5058123	+
Svip	MmuEX0045859	chr7	59255147	59258716	59258829	59259305	-
Swap70	MmuEX0045867	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Swap70	MmuEX0045868	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Swap70	MmuEX0045869	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Swap70	MmuEX0045870	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Swap70	MmuEX0045871	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Syap1	MmuEX0045872	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Syap1	MmuEX0045873	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Syap1	MmuEX0045874	chrX	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Syce2	MmuEX0045885	chr8	87396731	87407330	87407483	87409834	+
Syde1	MmuEX0045904	chr10	78049060	78049704	78049864	78050076	-
Syde1	MmuEX0045905	chr10	78050202	78051452	78051666	78051846	-
Sykb	MmuEX0045908	chr13	52678974	52706165	52706621	52707664	+
Sykb	MmuEX0045909	chr13	52720145	52727026	52727113	52728257	+
Sykb	MmuEX0045910	chr13	52737374	52738409	52738521	52741092	+
Sykb	MmuEX0045911	chr13	52678974	52692327	52692423	52706165	+
Sykb	MmuEX0045912	chr13	52718645	52720077	52720145	52727026	+
Sympk	MmuEX0045913	chr7	19632251	19632799	19632959	19633798	+
Sympk	MmuEX0045914	chr7	19616101	19619756	19619882	19621175	+
Sympk	MmuEX0045915	chr7	19609855	19613246	19613371	19614213	+
Sympk	MmuEX0045916	chr7	19631310	19632104	19632251	19632799	+
Syn2	MmuEX0045919	chr6	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Sync	MmuEX0045924	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Sync	MmuEX0045925	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Syncrip	MmuEX0045926	chr9	88359621	88360285	88360449	88368009	-
Syncrip	MmuEX0045927	chr9	88371803	88371938	88372025	88374409	-
Syncrip	MmuEX0045928	chr9	88363017	88368009	88368068	88371627	-
Syncrip	MmuEX0045929	chr9	88351567	88356508	88356629	88357074	-
Syne1	MmuEX0045934	chr10	5229574	5232421	5232591	5235033	+
Syne1	MmuEX0045935	chr10	5242905	5244117	5244211	5246947	+
Syne1	MmuEX0045936	chr10	5290164	5293703	5293885	5294129	+
Syne1	MmuEX0045937	chr10	5311608	5313412	5313624	5314683	+
Syne1	MmuEX0045938	chr10	5314775	5316107	5316165	5324294	+

Syne1	MmuEX0045939	chr10	5316165	5318132	5318249	5324294	+
Syne1	MmuEX0045949	chr10	5299010	5301207	5301275	5302788	+
Syne2	MmuEX0045952	chr12	77175583	77176729	77176895	77188738	+
Syne2	MmuEX0045953	chr12	77204057	77204734	77204936	77205952	+
Syne2	MmuEX0045967	chr12	77200499	77201015	77201083	77201979	+
Syngap1	MmuEX0045968	chr17	27101983	27103828	27103918	27107444	+
Syngr1	MmuEX0045971	chr15	79941111	79942029	79942174	79946285	+
Syngr2	MmuEX0045972	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Synj1	MmuEX0045974	chr16	90976996	90978934	90979015	90979996	-
Synj1	MmuEX0045975	chr16	90969619	90971305	90971399	90974155	-
Synj1	MmuEX0045976	chr16	90964650	90964750	90964890	90967545	-
Synj1	MmuEX0045977	chr16	90991892	90994186	90994272	91010269	-
Synj1	MmuEX0045978	chr16	90961775	90964063	90964221	90964458	-
Synj1	MmuEX0045979	chr16	90960922	90961619	90961775	90964063	-
Synj1	MmuEX0045980	chr16	90945152	90946615	90946705	90947037	-
Synj1	MmuEX0045981	chr16	90939279	90939879	90939968	90944600	-
Synj1	MmuEX0045982	chr16	90969619	90971809	90971832	90974155	-
Synj1	MmuEX0045983	chr16	90947107	90949944	90949982	90950596	-
Synj1	MmuEX0045984	chr16	90947107	90948311	90948358	90950596	-
Synj1	MmuEX0045985	chr16	90947107	90947260	90947298	90950596	-
Synj2	MmuEX0045986	chr17	6016347	6017487	6017627	6019286	+
Synj2	MmuEX0045987	chr17	6033923	6035411	6035559	6037384	+
Synj2	MmuEX0045988	chr17	6035559	6036357	6036505	6037384	+
Synj2	MmuEX0045989	chr17	6013699	6016266	6016347	6017487	+
Synj2	MmuEX0045990	chr17	6028586	6029700	6029834	6032697	+
Synj2	MmuEX0045991	chr17	5975881	5986082	5986242	5990136	+
Synj2	MmuEX0045992	chr17	5975881	5990136	5990361	5996878	+
Synpo2	MmuEX0045998	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Synrg	MmuEX0046003	chr11	83804445	83807831	83807964	83815360	+
Synrg	MmuEX0046004	chr11	83815737	83822120	83823052	83832862	+
Synrg	MmuEX0046005	chr11	83785094	83790582	83790703	83792422	+
Synrg	MmuEX0046006	chr11	83833455	83836267	83836464	83836763	+
Synrg	MmuEX0046007	chr11	83799053	83800316	83800549	83801415	+
Synrg	MmuEX0046008	chr11	83833455	83836763	83836926	83837780	+
Synrg	MmuEX0046009	chr11	83795809	83798751	83799053	83801415	+
Synrg	MmuEX0046010	chr11	83840268	83852713	83852823	83854299	+
Synrg	MmuEX0046011	chr11	83852823	83853158	83853193	83854299	+
Synrg	MmuEX0046012	chr11	83815472	83815675	83815737	83822120	+
Sypl	MmuEX0046014	chr12	33652608	33654046	33654126	33658993	+
Sypl	MmuEX0046015	chr12	33652608	33653499	33653508	33658993	+
Syt12	MmuEX0046024	chr19	4456887	4460617	4460810	4467907	-
Syt7	MmuEX0046040	chr19	10464003	10487830	10487933	10492453	+
Syt7	MmuEX0046041	chr19	10492532	10496247	10496378	10510040	+
Syt7	MmuEX0046042	chr19	10496378	10497275	10497502	10510040	+
Syt7	MmuEX0046043	chr19	10492532	10500789	10501157	10510040	+
Syt7	MmuEX0046044	chr19	10492532	10504828	10504950	10510040	+
Syvn1	MmuEX0046073	chr19	6047128	6047917	6048065	6048275	+

Syvn1	MmuEX0046074	chr19	6050685	6050941	6051069	6051155	+
Syvn1	MmuEX0046075	chr19	6051310	6051393	6051579	6052328	+
Syvn1	MmuEX0046076	chr19	6048065	6048275	6048367	6048455	+
Szt2	MmuEX0046082	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Szt2	MmuEX0046084	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Szt2	MmuEX0046085	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Szt2	MmuEX0046086	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Szt2	MmuEX0046089	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tab1	MmuEX0046097	chr15	79963618	79978657	79978793	79979117	+
Tab1	MmuEX0046098	chr15	79988256	79989181	79989337	79990504	+
Tab2	MmuEX0046099	chr10	7629925	7630887	7630980	7631186	-
Tab2	MmuEX0046100	chr10	7631346	7637485	7637687	7638912	-
Tab2	MmuEX0046101	chr10	7644670	7652866	7653006	7675599	-
Tab2	MmuEX0046102	chr10	7627375	7629845	7629925	7630887	-
Tab3	MmuEX0046103	chrX	82819504	82843964	82844070	82854729	+
Tab3	MmuEX0046104	chrX	82866986	82869681	82869764	82873499	+
Tab3	MmuEX0046106	chrX	82819661	82820889	82820949	82854729	+
Tab3	MmuEX0046107	chrX	82820949	82838991	82839093	82854729	+
Tab3	MmuEX0046108	chrX	82860768	82861713	82861873	82869681	+
Tab3	MmuEX0046109	chrX	82861873	82866893	82866986	82869681	+
Tacc1	MmuEX0046113	chr8	26293402	26310563	26310678	26311594	-
Tacc1	MmuEX0046114	chr8	26288466	26289743	26289778	26292295	-
Tacc1	MmuEX0046115	chr8	26278063	26279669	26279794	26281744	-
Tacc1	MmuEX0046116	chr8	26288466	26292609	26293402	26310563	-
Tacc2	MmuEX0046117	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046118	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046119	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046120	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046121	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046122	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046123	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046124	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046125	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046126	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046127	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046128	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046129	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc2	MmuEX0046130	chr7	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tacc3	MmuEX0046132	chr5	34006551	34006916	34007504	34009342	+
Tacc3	MmuEX0046134	chr5	34001376	34003992	34004033	34006470	+
Tacc3	MmuEX0046135	chr5	34001376	34004170	34004294	34006470	+
Tacc3	MmuEX0046136	chr5	34004294	34006470	34006551	34009342	+
Tada1	MmuEX0046139	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+
Tada1	MmuEX0046140	chr1	1.68E+08	1.68E+08	1.68E+08	1.68E+08	+
Tada2a	MmuEX0046141	chr11	83931809	83934584	83934690	83940490	-
Tada2a	MmuEX0046144	chr11	83900684	83903490	83903587	83904051	-
Tada2a	MmuEX0046145	chr11	83917782	83919691	83919848	83923456	-

Tada2a	MmuEX0046146	chr11	83923547	83931750	83931809	83934584	-
Tada2a	MmuEX0046147	chr11	83893279	83900613	83900684	83904051	-
Tada2a	MmuEX0046148	chr11	83893279	83899178	83899273	83900613	-
Tada2a	MmuEX0046149	chr11	83893279	83898216	83898259	83899061	-
Tada2a	MmuEX0046150	chr11	83893279	83895540	83895613	83898216	-
Tada2b	MmuEX0046151	chr5	36819611	36825627	36825738	36826437	-
Tada3	MmuEX0046152	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tada3	MmuEX0046153	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tada3	MmuEX0046154	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Taf1	MmuEX0046155	chrX	98747888	98748029	98748170	98748505	+
Taf1	MmuEX0046156	chrX	98773631	98773711	98773795	98785287	+
Taf1	MmuEX0046157	chrX	98773795	98781950	98782007	98785287	+
Taf1	MmuEX0046158	chrX	98773795	98785287	98785354	98785812	+
Taf1	MmuEX0046159	chrX	98734526	98736162	98736340	98737803	+
Taf1	MmuEX0046160	chrX	98734526	98735894	98735908	98736162	+
Taf1	MmuEX0046161	chrX	98785928	98786073	98786078	98789279	+
Taf11	MmuEX0046162	chr17	28042355	28042865	28042979	28044446	-
Taf11	MmuEX0046163	chr17	28040133	28042207	28042355	28044446	-
Taf12	MmuEX0046164	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Taf12	MmuEX0046165	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Taf12	MmuEX0046166	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Taf12	MmuEX0046167	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Taf12	MmuEX0046168	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Taf13	MmuEX0046169	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Taf15	MmuEX0046170	chr11	83286708	83295436	83295475	83298153	+
Taf15	MmuEX0046171	chr11	83300915	83308036	83308071	83310764	+
Taf15	MmuEX0046172	chr11	83311428	83311949	83312057	83312575	+
Taf15	MmuEX0046173	chr11	83311428	83312575	83312684	83314617	+
Taf15	MmuEX0046174	chr11	83295475	83297791	83297958	83298153	+
Taf15	MmuEX0046175	chr11	83312684	83314617	83314746	83316262	+
Taf15	MmuEX0046176	chr11	83286708	83287110	83287201	83295436	+
Taf15	MmuEX0046177	chr11	83298581	83300725	83300915	83302427	+
Taf15	MmuEX0046178	chr11	83300915	83302427	83302547	83311396	+
Taf15	MmuEX0046179	chr11	83302547	83310764	83310798	83311396	+
Taf1a	MmuEX0046180	NT_165754	376098	377675	377833	379244	+
Taf1a	MmuEX0046181	NT_165754	377833	379244	379310	379892	+
Taf1a	MmuEX0046182	NT_165754	364392	364811	364851	369258	+
Taf1a	MmuEX0046183	NT_165754	364392	369258	369427	371128	+
Taf1a	MmuEX0046184	NT_165754	371241	373951	374149	375968	+
Taf1b	MmuEX0046185	chr12	25229283	25231878	25232055	25232435	+
Taf1b	MmuEX0046186	chr12	25232055	25232435	25232481	25234284	+
Taf1b	MmuEX0046187	chr12	25234374	25240855	25240925	25241384	+
Taf1b	MmuEX0046188	chr12	25201874	25204520	25204592	25207967	+
Taf1b	MmuEX0046189	chr12	25201874	25204881	25205027	25207967	+
Taf1b	MmuEX0046190	chr12	25189899	25193949	25194046	25194319	+
Taf1b	MmuEX0046191	chr12	25185399	25194319	25194414	25199650	+
Taf1b	MmuEX0046192	chr12	25185399	25199650	25199800	25201724	+

Taf1b	MmuEX0046193	chr12	25201874	25207967	25208066	25229136	+
Taf1b	MmuEX0046194	chr12	25208066	25229136	25229283	25231878	+
Taf1c	MmuEX0046195	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Taf1c	MmuEX0046196	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Taf1d	MmuEX0046197	chr9	15110727	15111367	15111434	15112172	+
Taf1d	MmuEX0046198	chr9	15116139	15117218	15117280	15118434	+
Taf2	MmuEX0046199	chr15	54897575	54901960	54902123	54902948	-
Taf2	MmuEX0046200	chr15	54869987	54871918	54872028	54874664	-
Taf2	MmuEX0046201	chr15	54862710	54865718	54865787	54868073	-
Taf2	MmuEX0046202	chr15	54894689	54896143	54896261	54897415	-
Taf2	MmuEX0046203	chr15	54893839	54894548	54894689	54896143	-
Taf2	MmuEX0046204	chr15	54848156	54853757	54853879	54858727	-
Taf2	MmuEX0046205	chr15	54879038	54879781	54879890	54880182	-
Taf2	MmuEX0046206	chr15	54883806	54885789	54885874	54887342	-
Taf3	MmuEX0046207	chr2	9839836	9842679	9842928	9862554	-
Taf3	MmuEX0046208	chr2	9842928	9862554	9862636	9872741	-
Taf4a	MmuEX0046209	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Taf4a	MmuEX0046210	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Taf4a	MmuEX0046211	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Taf4a	MmuEX0046212	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Taf4a	MmuEX0046213	chr2	1.8E+08	1.8E+08	1.8E+08	1.8E+08	-
Taf4b	MmuEX0046214	chr18	14942443	14955422	14955567	14957588	+
Taf5	MmuEX0046216	chr19	47153387	47155031	47155195	47156299	+
Taf5l	MmuEX0046217	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Taf5l	MmuEX0046218	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Taf6	MmuEX0046219	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Taf6l	MmuEX0046220	chr19	8853223	8853341	8853415	8856491	-
Taf6l	MmuEX0046221	chr19	8859668	8860123	8860317	8860700	-
Taf6l	MmuEX0046222	chr19	8858484	8859612	8859668	8860700	-
Taf8	MmuEX0046224	chr17	47626845	47627092	47627231	47630511	-
Taf8	MmuEX0046225	chr17	47635189	47635489	47635587	47638233	-
Taf8	MmuEX0046226	chr17	47633651	47633882	47634028	47635127	-
Taf9	MmuEX0046227	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Taf9	MmuEX0046228	chr13	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Taf9b	MmuEX0046229	chrX	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Tagln	MmuEX0046230	chr9	45738598	45738916	45739018	45739383	-
Tagln2	MmuEX0046231	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Tagln2	MmuEX0046232	chr1	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Tagln3	MmuEX0046233	chr16	45713147	45723036	45723210	45724240	-
Tanc1	MmuEX0046235	chr2	59450253	59484826	59484929	59537405	+
Tanc1	MmuEX0046236	chr2	59679142	59680067	59680167	59680752	+
Tanc1	MmuEX0046237	chr2	59631304	59633852	59634083	59635643	+
Tanc1	MmuEX0046238	chr2	59634083	59635643	59635809	59637628	+
Tanc1	MmuEX0046239	chr2	59635809	59637628	59638235	59645624	+
Tanc1	MmuEX0046240	chr2	59638235	59644333	59644441	59671193	+
Tanc1	MmuEX0046241	chr2	59644441	59645624	59645746	59671193	+
Tanc1	MmuEX0046242	chr2	59645746	59653375	59653611	59671193	+

Tanc1	MmuEX0046243	chr2	59655727	59658264	59658342	59671193	+
Tanc1	MmuEX0046244	chr2	59484929	59537405	59537484	59562718	+
Tanc1	MmuEX0046245	chr2	59671326	59672638	59672761	59678996	+
Tanc1	MmuEX0046246	chr2	59673624	59675143	59675275	59677032	+
Tanc1	MmuEX0046247	chr2	59675275	59677032	59677123	59678996	+
Tanc1	MmuEX0046248	chr2	59537484	59562718	59562906	59596522	+
Tanc1	MmuEX0046249	chr2	59562906	59596522	59596626	59609189	+
Tanc1	MmuEX0046250	chr2	59596626	59609189	59609319	59623381	+
Tanc1	MmuEX0046251	chr2	59609319	59610410	59610596	59623381	+
Tanc1	MmuEX0046252	chr2	59610596	59623381	59623644	59628833	+
Tanc1	MmuEX0046253	chr2	59623644	59628833	59628934	59631153	+
Tanc1	MmuEX0046254	chr2	59628955	59629656	59629937	59631153	+
Tanc2	MmuEX0046259	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Tanc2	MmuEX0046263	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Tank	MmuEX0046264	chr2	61431265	61451708	61451855	61464960	+
Tank	MmuEX0046265	chr2	61431265	61432054	61432258	61451708	+
Tank	MmuEX0046266	chr2	61451855	61464960	61465071	61465778	+
Tank	MmuEX0046267	chr2	61465896	61467342	61467429	61481772	+
Tank	MmuEX0046268	chr2	61465896	61481772	61481842	61482364	+
Tank	MmuEX0046269	chr2	61465896	61482364	61482479	61487795	+
Tank	MmuEX0046270	chr2	61482479	61484208	61484423	61487795	+
Taok1	MmuEX0046271	chr11	77415263	77419054	77419140	77420710	-
Taok1	MmuEX0046272	chr11	77398996	77415201	77415263	77420710	-
Taok1	MmuEX0046273	chr11	77377247	77379248	77379341	77385109	-
Taok1	MmuEX0046274	chr11	77367411	77369066	77369200	77373244	-
Taok1	MmuEX0046275	chr11	77390870	77391511	77391644	77392228	-
Taok1	MmuEX0046276	chr11	77362977	77364374	77364502	77367175	-
Taok1	MmuEX0046277	chr11	77369200	77373244	77373447	77373756	-
Taok1	MmuEX0046278	chr11	77398996	77409739	77409858	77415201	-
Taok2	MmuEX0046279	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Taok2	MmuEX0046280	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Taok3	MmuEX0046281	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Taok3	MmuEX0046282	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Taok3	MmuEX0046283	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Taok3	MmuEX0046284	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Taok3	MmuEX0046285	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Taok3	MmuEX0046286	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Taok3	MmuEX0046287	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tap1	MmuEX0046288	chr17	34326237	34326375	34326505	34327508	+
Tap2	MmuEX0046289	chr17	34351750	34352279	34352415	34352859	+
Tapbp	MmuEX0046290	chr17	34063294	34063373	34063446	34063572	+
Tapt1	MmuEX0046291	chr5	44575888	44576194	44576253	44577471	-
Tapt1	MmuEX0046292	chr5	44570260	44573937	44574013	44575820	-
Tapt1	MmuEX0046293	chr5	44574013	44575820	44575888	44576194	-
Tapt1	MmuEX0046294	chr5	44585649	44609343	44609473	44617653	-
Tapt1	MmuEX0046295	chr5	44585649	44595449	44595567	44617653	-
Tapt1	MmuEX0046296	chr5	44585649	44590552	44590617	44595449	-

Tarbp2	MmuEX0046297	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tarbp2	MmuEX0046298	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tarbp2	MmuEX0046299	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tars2	MmuEX0046302	chr3	95552556	95553141	95553246	95554262	-
Tars2	MmuEX0046303	chr3	95544242	95544951	95545038	95545245	-
Tars2	MmuEX0046304	chr3	95552063	95552410	95552477	95554262	-
Tars2	MmuEX0046305	chr3	95550093	95551965	95552063	95554262	-
Tars2	MmuEX0046306	chr3	95550093	95551362	95551579	95551965	-
Tars2	MmuEX0046307	chr3	95550093	95550458	95550620	95551362	-
Tars2	MmuEX0046308	chr3	95546601	95549956	95550093	95550458	-
Tars2	MmuEX0046309	chr3	95546601	95549708	95549785	95549956	-
Tars2	MmuEX0046310	chr3	95557053	95558295	95558438	95558681	-
Tars2	MmuEX0046311	chr3	95554688	95555429	95555553	95556930	-
Tars2	MmuEX0046312	chr3	95554688	95554790	95554907	95555429	-
Tarsl2	MmuEX0046313	chr7	72828771	72828948	72829048	72831324	+
Tarsl2	MmuEX0046314	chr7	72831428	72833765	72833837	72834854	+
Tasp1	MmuEX0046316	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046317	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046318	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046319	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046320	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046321	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046322	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046323	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046324	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046325	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046326	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046327	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tasp1	MmuEX0046328	chr2	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Tatdn1	MmuEX0046329	chr15	58737366	58740629	58740773	58741128	-
Tatdn1	MmuEX0046330	chr15	58736415	58737296	58737366	58741128	-
Tatdn1	MmuEX0046331	chr15	58760304	58761940	58762078	58764838	-
Tatdn1	MmuEX0046332	chr15	58732625	58735835	58735976	58736289	-
Tatdn1	MmuEX0046333	chr15	58752972	58753862	58753938	58755460	-
Tatdn1	MmuEX0046334	chr15	58737366	58747832	58747917	58752695	-
Tatdn1	MmuEX0046335	chr15	58737366	58747707	58747747	58752695	-
Tatdn1	MmuEX0046336	chr15	58737366	58741128	58741204	58747707	-
Tatdn1	MmuEX0046337	chr15	58760304	58762467	58762586	58764838	-
Tatdn1	MmuEX0046338	chr15	58758040	58760239	58760304	58764838	-
Tatdn1	MmuEX0046339	chr15	58752972	58757991	58758040	58760099	-
Tatdn1	MmuEX0046340	chr15	58752972	58755460	58755523	58757991	-
Tatdn2	MmuEX0046341	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Tatdn2	MmuEX0046342	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Tatdn2	MmuEX0046343	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Tatdn2	MmuEX0046344	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Tatdn2	MmuEX0046345	chr6	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Tatdn3	MmuEX0046346	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-

Tatdn3	MmuEX0046347	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Tatdn3	MmuEX0046348	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Tatdn3	MmuEX0046349	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	-
Tax1bp1	MmuEX0046350	chr6	52671460	52677193	52677295	52679275	+
Tax1bp1	MmuEX0046351	chr6	52677295	52679275	52679462	52683185	+
Tax1bp1	MmuEX0046352	chr6	52687166	52689538	52689723	52691945	+
Tax1bp1	MmuEX0046353	chr6	52692169	52692686	52692832	52694216	+
Taz	MmuEX0046354	chrX	71527384	71528057	71528455	71528611	+
Taz	MmuEX0046355	chrX	71533558	71533787	71533852	71534001	+
Taz	MmuEX0046356	chrX	71529032	71529271	71529356	71533358	+
Taz	MmuEX0046357	chrX	71529356	71533361	71533438	71533517	+
Taz	MmuEX0046358	chrX	71529032	71533517	71533558	71533787	+
Taz	MmuEX0046359	chrX	71533852	71534001	71534053	71534444	+
Taz	MmuEX0046360	chrX	71534053	71534323	71534358	71534444	+
Taz	MmuEX0046361	chrX	71533852	71534444	71534521	71534638	+
Tbc1d1	MmuEX0046370	chr5	64654818	64655565	64655697	64662329	+
Tbc1d1	MmuEX0046371	chr5	64670656	64673004	64673284	64677184	+
Tbc1d1	MmuEX0046372	chr5	64677323	64702298	64702483	64707593	+
Tbc1d1	MmuEX0046373	chr5	64707754	64715690	64715848	64724586	+
Tbc1d1	MmuEX0046374	chr5	64726676	64730801	64730970	64736491	+
Tbc1d1	MmuEX0046375	chr5	64730970	64736491	64736664	64740969	+
Tbc1d1	MmuEX0046376	chr5	64621769	64625431	64625508	64647954	+
Tbc1d1	MmuEX0046377	chr5	64662420	64666634	64666744	64669155	+
Tbc1d1	MmuEX0046378	chr5	64673284	64675206	64675364	64677184	+
Tbc1d1	MmuEX0046379	chr5	64673284	64675929	64676048	64677184	+
Tbc1d1	MmuEX0046380	chr5	64702483	64707593	64707754	64715690	+
Tbc1d10a	MmuEX0046381	chr11	4105859	4109929	4110036	4112144	+
Tbc1d10a	MmuEX0046382	chr11	4112250	4112788	4112902	4112981	+
Tbc1d10b	MmuEX0046383	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tbc1d10b	MmuEX0046384	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tbc1d10b	MmuEX0046385	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tbc1d10b	MmuEX0046386	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tbc1d10c	MmuEX0046389	chr19	4185073	4185352	4185506	4187942	-
Tbc1d12	MmuEX0046390	chr19	38911936	38922393	38922511	38940106	+
Tbc1d12	MmuEX0046391	chr19	38911936	38940106	38940229	38957149	+
Tbc1d12	MmuEX0046392	chr19	38985585	38985747	38985834	38987681	+
Tbc1d12	MmuEX0046393	chr19	38988547	38988794	38988903	38991102	+
Tbc1d12	MmuEX0046394	chr19	38957264	38964409	38964520	38970477	+
Tbc1d12	MmuEX0046395	chr19	38940229	38957149	38957264	38970477	+
Tbc1d12	MmuEX0046396	chr19	38982342	38985497	38985585	38987681	+
Tbc1d12	MmuEX0046397	chr19	38970559	38973359	38973476	38982262	+
Tbc1d12	MmuEX0046398	chr19	38970559	38975799	38975905	38982262	+
Tbc1d13	MmuEX0046399	chr2	30004303	30004451	30004508	30005220	+
Tbc1d13	MmuEX0046400	chr2	29990390	29990929	29991072	29992193	+
Tbc1d13	MmuEX0046401	chr2	29990390	29992193	29992233	29992641	+
Tbc1d13	MmuEX0046402	chr2	29992233	29992388	29992503	29992641	+
Tbc1d13	MmuEX0046403	chr2	29990390	29992641	29992702	29995995	+

Tbc1d13	MmuEX0046404	chr2	29996077	29997782	29997941	30002172	+
Tbc1d13	MmuEX0046405	chr2	29997941	30002172	30002382	30002882	+
Tbc1d13	MmuEX0046406	chr2	30002382	30002882	30003045	30004143	+
Tbc1d14	MmuEX0046408	chr5	36865658	36867579	36867697	36885826	-
Tbc1d14	MmuEX0046409	chr5	36850355	36850595	36850704	36851009	-
Tbc1d14	MmuEX0046410	chr5	36885946	36913945	36914686	36925004	-
Tbc1d14	MmuEX0046411	chr5	36867697	36885826	36885946	36913945	-
Tbc1d14	MmuEX0046412	chr5	36837925	36847674	36847756	36850227	-
Tbc1d14	MmuEX0046413	chr5	36863210	36865576	36865658	36867540	-
Tbc1d14	MmuEX0046414	chr5	36837925	36863093	36863210	36865576	-
Tbc1d14	MmuEX0046415	chr5	36837925	36861922	36862028	36863093	-
Tbc1d14	MmuEX0046416	chr5	36837925	36856688	36856768	36861922	-
Tbc1d14	MmuEX0046417	chr5	36851080	36855103	36855197	36856688	-
Tbc1d14	MmuEX0046418	chr5	36837925	36851009	36851080	36855103	-
Tbc1d14	MmuEX0046419	chr5	36837925	36850227	36850355	36851009	-
Tbc1d15	MmuEX0046420	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Tbc1d16	MmuEX0046421	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tbc1d16	MmuEX0046422	chr11	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tbc1d17	MmuEX0046423	chr7	52098481	52098802	52098896	52099454	-
Tbc1d17	MmuEX0046424	chr7	52098090	52098186	52098286	52098365	-
Tbc1d17	MmuEX0046425	chr7	52097469	52097573	52097670	52097991	-
Tbc1d19	MmuEX0046426	chr5	54201097	54220589	54220661	54221694	+
Tbc1d19	MmuEX0046427	chr5	54251445	54255558	54255674	54263492	+
Tbc1d19	MmuEX0046428	chr5	54221739	54222628	54222727	54224209	+
Tbc1d19	MmuEX0046429	chr5	54221739	54224209	54224284	54226411	+
Tbc1d19	MmuEX0046430	chr5	54280646	54282334	54282401	54288230	+
Tbc1d19	MmuEX0046431	chr5	54288345	54292816	54292886	54294571	+
Tbc1d19	MmuEX0046432	chr5	54227898	54229163	54229209	54229366	+
Tbc1d19	MmuEX0046433	chr5	54237512	54239401	54239439	54241077	+
Tbc1d19	MmuEX0046434	chr5	54229209	54229416	54229476	54237440	+
Tbc1d19	MmuEX0046435	chr5	54251445	54263492	54263576	54266126	+
Tbc1d19	MmuEX0046436	chr5	54274933	54278593	54278702	54288230	+
Tbc1d19	MmuEX0046437	chr5	54274933	54280555	54280646	54288230	+
Tbc1d20	MmuEX0046443	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tbc1d20	MmuEX0046444	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tbc1d20	MmuEX0046445	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tbc1d20	MmuEX0046446	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tbc1d20	MmuEX0046447	chr2	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tbc1d22a	MmuEX0046448	chr15	86197110	86221507	86221634	86279622	+
Tbc1d22a	MmuEX0046449	chr15	86221634	86222139	86222238	86279622	+
Tbc1d22a	MmuEX0046450	chr15	86221634	86279622	86279717	86327243	+
Tbc1d22a	MmuEX0046451	chr15	86066283	86069547	86069723	86122564	+
Tbc1d22a	MmuEX0046452	chr15	86069723	86085192	86085372	86122564	+
Tbc1d22a	MmuEX0046453	chr15	86132038	86142157	86142271	86182084	+
Tbc1d22b	MmuEX0046454	chr17	29712166	29715774	29715888	29731622	+
Tbc1d22b	MmuEX0046455	chr17	29732868	29734690	29734920	29736784	+
Tbc1d22b	MmuEX0046456	chr17	29686939	29701377	29701433	29705337	+

Tbc1d23	MmuEX0046457	chr16	57214382	57218422	57218533	57231427	-
Tbc1d23	MmuEX0046458	chr16	57191679	57192722	57192844	57198394	-
Tbc1d23	MmuEX0046459	chr16	57184599	57186751	57186793	57189375	-
Tbc1d23	MmuEX0046460	chr16	57198883	57198972	57199096	57208303	-
Tbc1d23	MmuEX0046461	chr16	57178133	57181605	57181649	57182964	-
Tbc1d23	MmuEX0046462	chr16	57173272	57178045	57178133	57182964	-
Tbc1d23	MmuEX0046463	chr16	57173272	57173440	57173896	57178045	-
Tbc1d24	MmuEX0046464	chr17	24318340	24318701	24318929	24319395	-
Tbc1d24	MmuEX0046465	chr17	24317621	24318170	24318340	24318701	-
Tbc1d24	MmuEX0046466	chr17	24319794	24320639	24320797	24321326	-
Tbc1d24	MmuEX0046467	chr17	24319490	24319731	24319794	24320639	-
Tbc1d24	MmuEX0046468	chr17	24318929	24319395	24319490	24319731	-
Tbc1d24	MmuEX0046470	chr17	24320797	24322149	24323146	24326889	-
Tbc1d24	MmuEX0046471	chr17	24320797	24321326	24321343	24322149	-
Tbc1d25	MmuEX0046472	chrX	7733904	7749864	7750018	7751327	-
Tbc1d2b	MmuEX0046473	chr9	90104691	90109381	90109527	90110316	-
Tbc1d2b	MmuEX0046474	chr9	90136016	90144629	90144782	90165190	-
Tbc1d2b	MmuEX0046475	chr9	90123939	90135848	90136016	90144629	-
Tbc1d4	MmuEX0046478	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046479	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046480	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046481	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046482	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046483	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046484	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d4	MmuEX0046485	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Tbc1d5	MmuEX0046486	chr17	51164529	51282684	51282746	51318425	-
Tbc1d5	MmuEX0046487	chr17	50875569	50880801	50880944	50881382	-
Tbc1d5	MmuEX0046488	chr17	51107623	51111317	51111403	51123930	-
Tbc1d5	MmuEX0046489	chr17	50921749	50935251	50935316	50939192	-
Tbc1d5	MmuEX0046490	chr17	51123999	51164399	51164529	51282684	-
Tbc1d5	MmuEX0046491	chr17	51074883	51103018	51103085	51105877	-
Tbc1d5	MmuEX0046492	chr17	51059928	51074781	51074883	51103018	-
Tbc1d5	MmuEX0046493	chr17	51058386	51058487	51058537	51059840	-
Tbc1d5	MmuEX0046494	chr17	50953166	50991858	50991964	51013891	-
Tbc1d7	MmuEX0046495	chr13	43250203	43254632	43254769	43260648	-
Tbc1d7	MmuEX0046496	chr13	43264223	43264487	43264619	43265171	-
Tbc1d8	MmuEX0046497	chr1	39433963	39436300	39436368	39436840	-
Tbc1d8	MmuEX0046500	chr1	39429631	39430572	39430669	39430927	-
Tbc1d8	MmuEX0046502	chr1	39446303	39447962	39448132	39448902	-
Tbc1d8	MmuEX0046503	chr1	39429629	39433269	39433334	39433723	-
Tbc1d8	MmuEX0046504	chr1	39429629	39430927	39431016	39433269	-
Tbc1d8	MmuEX0046505	chr1	39438407	39442843	39443057	39446153	-
Tbc1d8	MmuEX0046506	chr1	39438407	39441966	39442083	39442843	-
Tbc1d8	MmuEX0046507	chr1	39429629	39438122	39438407	39441966	-
Tbc1d8	MmuEX0046508	chr1	39436938	39437073	39437202	39438122	-
Tbc1d8	MmuEX0046509	chr1	39436368	39436840	39436938	39437073	-

Tbc1d8b	MmuEX0046510	chrX	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbc1d8b	MmuEX0046511	chrX	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbc1d9	MmuEX0046513	chr8	85783271	85784818	85785058	85788746	+
Tbc1d9	MmuEX0046514	chr8	85758272	85760411	85760618	85763730	+
Tbc1d9	MmuEX0046515	chr8	85760618	85763730	85763936	85765437	+
Tbc1d9b	MmuEX0046516	chr11	49961730	49962024	49962629	49963204	+
Tbc1d9b	MmuEX0046517	chr11	49961730	49963204	49963416	49964821	+
Tbc1d9b	MmuEX0046518	chr11	49977714	49979095	49979178	49981671	+
Tbc1d9b	MmuEX0046519	chr11	49945058	49945364	49945689	49949327	+
Tbc1d9b	MmuEX0046520	chr11	49949437	49953885	49954003	49958529	+
Tbc1d9b	MmuEX0046521	chr11	49963416	49964821	49964982	49965424	+
Tbc1d9b	MmuEX0046522	chr11	49973213	49974957	49975197	49975548	+
Tbc1d9b	MmuEX0046523	chr11	49958757	49959605	49959863	49961523	+
Tbc1d9b	MmuEX0046524	chr11	49977398	49977664	49977714	49981671	+
Tbc1d9b	MmuEX0046525	chr11	49977398	49981671	49981727	49982198	+
Tbcb	MmuEX0046526	chr7	31009564	31011871	31012054	31012623	-
Tbccd1	MmuEX0046527	chr16	22818601	22825839	22826205	22833951	-
Tbccd1	MmuEX0046528	chr16	22822962	22823440	22823520	22825839	-
Tbccd1	MmuEX0046529	chr16	22818601	22822776	22822962	22825839	-
Tbccd1	MmuEX0046530	chr16	22818601	22822155	22822652	22822776	-
Tbccd1	MmuEX0046531	chr16	22814029	22818454	22818601	22822155	-
Tbccd1	MmuEX0046532	chr16	22814029	22814881	22814957	22818454	-
Tbcd	MmuEX0046533	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046534	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046535	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046536	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046537	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046538	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046539	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046540	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046541	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046542	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046543	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046544	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046545	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046546	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbcd	MmuEX0046547	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tbce	MmuEX0046548	chr13	14120049	14121543	14121673	14131805	-
Tbce	MmuEX0046549	chr13	14101998	14102153	14102227	14102809	-
Tbce	MmuEX0046550	chr13	14093445	14094827	14094914	14095797	-
Tbce	MmuEX0046551	chr13	14112154	14114908	14115048	14119965	-
Tbce	MmuEX0046552	chr13	14093445	14095810	14095963	14097410	-
Tbce	MmuEX0046553	chr13	14092384	14093377	14093445	14095797	-
Tbce	MmuEX0046554	chr13	14112154	14119965	14120049	14121543	-
Tbce	MmuEX0046555	chr13	14107090	14111969	14112154	14119965	-
Tbce	MmuEX0046556	chr13	14098804	14107002	14107090	14111969	-
Tbce	MmuEX0046557	chr13	14098804	14102809	14102908	14107002	-

Tbce	MmuEX0046558	chr13	14098804	14101896	14101998	14102809	-
Tbce	MmuEX0046559	chr13	14098804	14100882	14100958	14101727	-
Tbce	MmuEX0046560	chr13	14097550	14098055	14098119	14098210	-
Tbcel	MmuEX0046561	chr9	42245314	42247180	42247306	42250902	-
Tbcel	MmuEX0046562	chr9	42224232	42245198	42245314	42247180	-
Tbcel	MmuEX0046563	chr9	42258146	42259696	42259845	42280149	-
Tbcel	MmuEX0046564	chr9	42252671	42258007	42258146	42259696	-
Tbcel	MmuEX0046565	chr9	42251158	42252490	42252671	42258007	-
Tbck	MmuEX0046566	chr3	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Tbck	MmuEX0046568	chr3	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Tbck	MmuEX0046571	chr3	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Tbck	MmuEX0046572	chr3	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Tbck	MmuEX0046573	chr3	1.32E+08	1.32E+08	1.32E+08	1.32E+08	+
Tbk1	MmuEX0046574	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046575	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046576	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046577	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046578	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046579	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046580	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046581	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046582	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbk1	MmuEX0046583	chr10	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tbkbp1	MmuEX0046584	chr11	96998989	96999936	97000648	97000786	-
Tbkbp1	MmuEX0046585	chr11	97000904	97001514	97001660	97007614	-
Tbkbp1	MmuEX0046586	chr11	97008867	97009005	97009045	97009943	-
Tbl1x	MmuEX0046587	chrX	74756608	74829594	74829721	74830133	+
Tbl1x	MmuEX0046588	chrX	74756608	74830133	74830198	74878885	+
Tbl1xr1	MmuEX0046589	chr3	21975876	22047864	22047930	22078125	+
Tbl1xr1	MmuEX0046590	chr3	22001869	22039357	22039460	22047864	+
Tbl1xr1	MmuEX0046591	chr3	22039460	22041926	22041992	22047864	+
Tbl1xr1	MmuEX0046592	chr3	22047930	22062802	22062914	22078125	+
Tbl1xr1	MmuEX0046593	chr3	22102914	22108434	22108535	22109323	+
Tbl1xr1	MmuEX0046594	chr3	21975876	21988335	21988444	22047864	+
Tbl1xr1	MmuEX0046595	chr3	21975876	22001789	22001869	22047864	+
Tbl1xr1	MmuEX0046596	chr3	22047930	22078125	22078227	22087288	+
Tbl2	MmuEX0046597	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbl2	MmuEX0046598	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbl2	MmuEX0046599	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbl2	MmuEX0046600	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbl2	MmuEX0046601	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Tbl3	MmuEX0046602	chr17	24842975	24843060	24843111	24844469	-
Tbl3	MmuEX0046603	chr17	24841493	24841577	24841670	24841756	-
Tbp	MmuEX0046604	chr17	15650585	15651194	15651361	15652580	+
Tbp	MmuEX0046605	chr17	15637190	15638118	15638166	15639926	+
Tbp	MmuEX0046606	chr17	15637190	15638276	15638321	15639926	+
Tbpl1	MmuEX0046607	chr10	22429245	22431720	22431897	22450922	-

Tbrg4	MmuEX0046608	chr11	6524286	6524477	6524547	6525152	-
Tbrg4	MmuEX0046609	chr11	6517632	6517966	6518211	6518463	-
Tbrg4	MmuEX0046610	chr11	6519716	6519975	6520146	6520745	-
Tbrg4	MmuEX0046611	chr11	6524286	6525152	6525216	6525968	-
Tbx18	MmuEX0046612	chr9	87619308	87622199	87622300	87624296	-
Tbx20	MmuEX0046614	chr9	24530236	24532207	24532316	24554756	-
Tbx3	MmuEX0046615	chr5	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tbxas1	MmuEX0046619	chr6	38951367	38967891	38967979	38971038	+
Tbxas1	MmuEX0046621	chr6	38971186	38972968	38973098	38977639	+
Tbxas1	MmuEX0046622	chr6	39031075	39033692	39033854	39034295	+
Tbxas1	MmuEX0046623	chr6	38932216	38933334	38933557	38951251	+
Tbxas1	MmuEX0046624	chr6	38932216	38951251	38951367	38967891	+
Tcea2	MmuEX0046629	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tceb1	MmuEX0046636	chr1	16646540	16646697	16646735	16646903	-
Tceb1	MmuEX0046637	chr1	16638088	16646377	16646540	16646903	-
Tceb1	MmuEX0046638	chr1	16635910	16637069	16637134	16638036	-
Tceb3	MmuEX0046639	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tceb3	MmuEX0046640	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tcerg1	MmuEX0046641	chr18	42720706	42723737	42723887	42727525	+
Tcerg1	MmuEX0046642	chr18	42723887	42727525	42727689	42728082	+
Tcerg1	MmuEX0046643	chr18	42728264	42730669	42730848	42731478	+
Tcerg1	MmuEX0046644	chr18	42730848	42731239	42731380	42731478	+
Tcerg1	MmuEX0046645	chr18	42690544	42694739	42694801	42695832	+
Tcerg1	MmuEX0046646	chr18	42708211	42709492	42709548	42709696	+
Tcerg1	MmuEX0046647	chr18	42733014	42733814	42733907	42734172	+
Tcerg1	MmuEX0046648	chr18	42709762	42710764	42710814	42712146	+
Tcf12	MmuEX0046649	chr9	71717954	71723796	71723874	71730524	-
Tcf12	MmuEX0046650	chr9	71848325	71863445	71863518	71957483	-
Tcf12	MmuEX0046651	chr9	71716085	71716806	71716877	71717881	-
Tcf12	MmuEX0046652	chr9	71730588	71730914	71731058	71731463	-
Tcf12	MmuEX0046653	chr9	71848325	71854508	71854569	71863445	-
Tcf12	MmuEX0046654	chr9	71791825	71848223	71848325	71863445	-
Tcf12	MmuEX0046655	chr9	71770594	71791761	71791825	71848223	-
Tcf12	MmuEX0046656	chr9	71733095	71770459	71770594	71791761	-
Tcf12	MmuEX0046657	chr9	71733095	71764812	71764864	71770459	-
Tcf19	MmuEX0046658	chr17	35650129	35651419	35651965	35652823	-
Tcf20	MmuEX0046659	chr15	82640217	82641391	82641534	82644911	-
Tcf20	MmuEX0046660	chr15	82646090	82655661	82655754	82681943	-
Tcf20	MmuEX0046661	chr15	82640217	82644911	82645033	82646037	-
Tcf25	MmuEX0046662	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf25	MmuEX0046663	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf25	MmuEX0046664	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf25	MmuEX0046665	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf25	MmuEX0046666	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf25	MmuEX0046667	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf25	MmuEX0046668	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Tcf3	MmuEX0046669	chr10	79890488	79893682	79893813	79896065	-

Tcf3	MmuEX0046670	chr10	79890488	79891296	79891382	79893682	-
Tcf3	MmuEX0046671	chr10	79873369	79875572	79875767	79875950	-
Tcf3	MmuEX0046672	chr10	79878033	79878110	79878265	79878598	-
Tcf3	MmuEX0046673	chr10	79881563	79882212	79882344	79882766	-
Tcf3	MmuEX0046674	chr10	79873019	79873143	79873366	79875950	-
Tcf4	MmuEX0046675	chr18	69679680	69723688	69723817	69724289	+
Tcf4	MmuEX0046676	chr18	69505593	69505857	69506019	69506933	+
Tcf4	MmuEX0046677	chr18	69506019	69506933	69507024	69508726	+
Tcf4	MmuEX0046678	chr18	69508798	69573296	69573361	69621516	+
Tcf7l1	MmuEX0046684	chr6	72584226	72598795	72598836	72599114	-
Tcf7l2	MmuEX0046685	chr19	55817332	55817563	55817687	55892254	+
Tcf7l2	MmuEX0046686	chr19	55817687	55829504	55829572	55892254	+
Tcf7l2	MmuEX0046687	chr19	55892355	55937908	55938051	55982913	+
Tcf7l2	MmuEX0046688	chr19	55985171	55987049	55987135	55991829	+
Tcf7l2	MmuEX0046689	chr19	55817149	55817266	55817332	55817563	+
Tcf7l2	MmuEX0046690	chr19	55998434	55999020	55999070	56000467	+
Tcf7l2	MmuEX0046691	chr19	55999070	56000467	56000539	56005924	+
Tcf7l2	MmuEX0046692	chr19	55998434	56001174	56001246	56005924	+
Tcf7l2	MmuEX0046693	chr19	56000539	56002220	56002244	56005924	+
Tcfap4	MmuEX0046701	chr16	4545747	4547255	4547410	4549331	-
Tcfcp2	MmuEX0046702	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfcp2	MmuEX0046703	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfcp2	MmuEX0046704	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfcp2	MmuEX0046705	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfcp2	MmuEX0046706	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfcp2	MmuEX0046707	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfcp2	MmuEX0046708	chr15	1E+08	1E+08	1E+08	1E+08	-
Tcfe3	MmuEX0046712	chrX	7344810	7345019	7345123	7346556	+
Tcfe3	MmuEX0046713	chrX	7340186	7341075	7341124	7342633	+
Tcfe3	MmuEX0046714	chrX	7342746	7343681	7343699	7343700	+
Tcfe3	MmuEX0046715	chrX	7346673	7347900	7347956	7349575	+
Tcfe3	MmuEX0046716	chrX	7346673	7348121	7348196	7349575	+
Tcfef	MmuEX0046717	chr17	47923481	47923880	47923960	47924975	+
Tcfef	MmuEX0046718	chr17	47925242	47925858	47925933	47926610	+
Tcfef	MmuEX0046719	chr17	47925933	47926610	47926757	47928284	+
Tchp	MmuEX0046726	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tchp	MmuEX0046727	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tcirg1	MmuEX0046728	chr19	3896447	3896604	3896721	3896795	-
Tcirg1	MmuEX0046729	chr19	3896192	3896270	3896447	3896604	-
Tcirg1	MmuEX0046730	chr19	3898638	3898718	3898875	3898980	-
Tcn2	MmuEX0046734	chr11	3819408	3822014	3822179	3823399	-
Tcof1	MmuEX0046735	chr18	60988213	60988310	60988489	60988668	-
Tcof1	MmuEX0046736	chr18	60982644	60988019	60988213	60988310	-
Tcof1	MmuEX0046737	chr18	60974706	60975655	60976182	60977684	-
Tcof1	MmuEX0046738	chr18	60974222	60974612	60974706	60975655	-
Tcof1	MmuEX0046739	chr18	60982644	60986994	60987101	60988019	-
Tcof1	MmuEX0046740	chr18	60988769	60991167	60991334	60991428	-

Tcof1	MmuEX0046741	chr18	60991649	60991820	60991963	60992081	-
Tcp1	MmuEX0046742	chr17	13109495	13110664	13110749	13110909	+
Tcp11l1	MmuEX0046746	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Tcp11l2	MmuEX0046749	chr10	84054053	84057393	84057529	84067252	+
Tcp11l2	MmuEX0046750	chr10	84057529	84067252	84067433	84067631	+
Tcp11l2	MmuEX0046751	chr10	84067433	84067631	84067812	84071210	+
Tcta	MmuEX0046752	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Tctex1d2	MmuEX0046763	chr16	32425396	32426240	32426327	32426944	+
Tctex1d2	MmuEX0046764	chr16	32425396	32426944	32427007	32428842	+
Tctex1d2	MmuEX0046765	chr16	32420013	32422906	32423039	32425327	+
Tctex1d2	MmuEX0046766	chr16	32423039	32425327	32425396	32426944	+
Tctn1	MmuEX0046768	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tctn1	MmuEX0046769	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tctn1	MmuEX0046771	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tctn1	MmuEX0046772	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tctn2	MmuEX0046777	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Tctn2	MmuEX0046778	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Tctn2	MmuEX0046779	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Tctn3	MmuEX0046780	chr19	40677432	40679796	40679949	40680193	-
Tctn3	MmuEX0046781	chr19	40683500	40683692	40683822	40685784	-
Tdp1	MmuEX0046783	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046784	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046785	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046786	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046787	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046788	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046789	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046791	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046792	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp1	MmuEX0046793	chr12	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tdp2	MmuEX0046794	chr13	24930134	24932257	24932427	24932956	+
Tdp2	MmuEX0046795	chr13	24923798	24923879	24923964	24927885	+
Tdp2	MmuEX0046796	chr13	24923964	24924558	24924695	24927885	+
Tdp2	MmuEX0046797	chr13	24923798	24927885	24928055	24928724	+
Tdp2	MmuEX0046798	chr13	24923798	24928724	24928815	24932257	+
Tdp2	MmuEX0046799	chr13	24923798	24930016	24930134	24932257	+
Tdrd3	MmuEX0046817	chr14	87856925	87858564	87858629	87871883	+
Tdrd3	MmuEX0046818	chr14	87911577	87923247	87923333	87939204	+
Tdrd3	MmuEX0046819	chr14	87858629	87871678	87871749	87871883	+
Tdrd3	MmuEX0046820	chr14	87887094	87905566	87906413	87939204	+
Tdrd3	MmuEX0046821	chr14	87856925	87911452	87911577	87939204	+
Tdrd3	MmuEX0046822	chr14	87856925	87871883	87872043	87939204	+
Tdrd3	MmuEX0046823	chr14	87856925	87874506	87874647	87939204	+
Tdrd3	MmuEX0046824	chr14	87856925	87877197	87877268	87939204	+
Tdrd3	MmuEX0046825	chr14	87856925	87880541	87880690	87939204	+
Tdrd3	MmuEX0046826	chr14	87856925	87885366	87885506	87939204	+
Tdrd3	MmuEX0046827	chr14	87856925	87885999	87886155	87939204	+

Tdrd3	MmuEX0046828	chr14	87856925	87886973	87887094	87905566	+
Tdrd7	MmuEX0046831	chr4	45985308	46000334	46000546	46001950	+
Tdrd7	MmuEX0046832	chr4	46020513	46023662	46023773	46025938	+
Tdrd7	MmuEX0046833	chr4	46026140	46029741	46029875	46031402	+
Tdrd7	MmuEX0046834	chr4	46000546	46001950	46002091	46002922	+
Tdrd7	MmuEX0046835	chr4	46002091	46002922	46003102	46005069	+
Tdrd7	MmuEX0046836	chr4	46005142	46007179	46007396	46017989	+
Tdrd7	MmuEX0046837	chr4	46029875	46031402	46031488	46033677	+
Tdrd7	MmuEX0046838	chr4	46036377	46038529	46039031	46042519	+
Tdrd7	MmuEX0046839	chr4	46039031	46042519	46042679	46047168	+
Tdrkh	MmuEX0046854	chr3	94228612	94229485	94229624	94229713	+
Tdrkh	MmuEX0046855	chr3	94226873	94227617	94227723	94228423	+
Tdrkh	MmuEX0046856	chr3	94233113	94233279	94233380	94233973	+
Tead1	MmuEX0046857	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046858	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046859	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046860	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046861	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046862	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046863	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead1	MmuEX0046864	chr7	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tead2	MmuEX0046865	chr7	52474576	52475808	52475915	52476013	+
Tead2	MmuEX0046866	chr7	52476071	52479051	52479115	52481023	+
Tead3	MmuEX0046867	chr17	28470277	28470451	28470624	28470736	-
Tead3	MmuEX0046869	chr17	28473518	28477099	28477163	28478294	-
Tead3	MmuEX0046870	chr17	28472441	28473219	28473281	28473447	-
Tead4	MmuEX0046871	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tead4	MmuEX0046874	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tead4	MmuEX0046875	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tead4	MmuEX0046877	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tead4	MmuEX0046878	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tec	MmuEX0046879	chr5	73216369	73258824	73258861	73259633	-
Tec	MmuEX0046880	chr5	73155534	73156751	73156825	73159944	-
Tec	MmuEX0046881	chr5	73177284	73177977	73178058	73180379	-
Tec	MmuEX0046882	chr5	73174997	73177156	73177284	73177977	-
Tec	MmuEX0046883	chr5	73173414	73174957	73174997	73177156	-
Tec	MmuEX0046884	chr5	73165124	73170660	73170725	73173242	-
Tec	MmuEX0046885	chr5	73214880	73216283	73216369	73259633	-
Tecpr1	MmuEX0046886	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr1	MmuEX0046887	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr1	MmuEX0046888	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr1	MmuEX0046889	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr1	MmuEX0046890	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr1	MmuEX0046891	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr1	MmuEX0046892	chr5	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tecpr2	MmuEX0046894	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Tecpr2	MmuEX0046895	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+

Tecpr2	MmuEX0046897	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Tecr	MmuEX0046900	chr8	86095957	86096131	86096219	86096297	-
Tecr	MmuEX0046901	chr8	86096845	86096927	86097042	86097119	-
Tecr	MmuEX0046902	chr8	86096354	86096740	86096845	86096927	-
Tecr	MmuEX0046903	chr8	86096354	86096580	86096652	86096740	-
Tecr	MmuEX0046904	chr8	86096354	86096448	86096491	86096580	-
Tecr	MmuEX0046905	chr8	86097222	86097770	86097821	86098377	-
Tecr	MmuEX0046906	chr8	86097222	86097310	86097354	86098377	-
Tecrl	MmuEX0046907	chr5	83729990	83738228	83738331	83742309	-
Tef	MmuEX0046909	chr15	81645691	81651629	81651849	81653896	+
Tef	MmuEX0046910	chr15	81645691	81650969	81651085	81651629	+
Tek	MmuEX0046911	chr4	94516611	94518414	94518568	94520060	+
Tek	MmuEX0046912	chr4	94447818	94465302	94465412	94465818	+
Tek	MmuEX0046913	chr4	94532210	94539733	94539832	94540615	+
Tek	MmuEX0046914	chr4	94471644	94477979	94478107	94486775	+
Tek	MmuEX0046915	chr4	94478107	94486775	94486926	94493947	+
Tek	MmuEX0046916	chr4	94406383	94447507	94447818	94465302	+
Tek	MmuEX0046917	chr4	94496709	94503808	94504095	94516312	+
Telo2	MmuEX0046922	chr17	25241869	25242029	25242120	25242291	-
Telo2	MmuEX0046923	chr17	25239055	25239582	25239673	25240525	-
Telo2	MmuEX0046924	chr17	25238649	25238729	25238794	25238956	-
Telo2	MmuEX0046925	chr17	25247799	25248061	25248129	25249925	-
Telo2	MmuEX0046926	chr17	25243013	25243717	25243853	25243934	-
Telo2	MmuEX0046927	chr17	25247274	25247652	25247799	25248061	-
Telo2	MmuEX0046928	chr17	25248129	25249925	25250202	25251882	-
Telo2	MmuEX0046929	chr17	25242120	25242291	25242379	25242675	-
Telo2	MmuEX0046930	chr17	25238649	25238956	25239055	25239582	-
Telo2	MmuEX0046931	chr17	25238359	25238585	25238649	25238956	-
Tenc1	MmuEX0046932	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tenc1	MmuEX0046933	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tenc1	MmuEX0046934	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tenc1	MmuEX0046935	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tenc1	MmuEX0046936	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tenc1	MmuEX0046937	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tenc1	MmuEX0046938	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tep1	MmuEX0046944	chr14	51458861	51460257	51460371	51460644	-
Tep1	MmuEX0046945	chr14	51458316	51458621	51458861	51460257	-
Tep1	MmuEX0046946	chr14	51457154	51457259	51457383	51458199	-
Tep1	MmuEX0046947	chr14	51456868	51457055	51457154	51457259	-
Tep1	MmuEX0046948	chr14	51451514	51452556	51452706	51453129	-
Tep1	MmuEX0046949	chr14	51453242	51453589	51453752	51455667	-
Terf1	MmuEX0046956	chr1	15809844	15811998	15812280	15821588	+
Terf1	MmuEX0046957	chr1	15821647	15823482	15823570	15828263	+
Terf1	MmuEX0046958	chr1	15803243	15805967	15806053	15809015	+
Terf1	MmuEX0046959	chr1	15806053	15809015	15809164	15809732	+
Terf2	MmuEX0046960	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046961	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-

Terf2	MmuEX0046962	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046963	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046964	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046965	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046966	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046967	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2	MmuEX0046968	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Terf2ip	MmuEX0046969	chr8	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tesc	MmuEX0046976	chr5	1.18E+08	1.18E+08	1.18E+08	1.19E+08	+
Tesc	MmuEX0046977	chr5	1.18E+08	1.19E+08	1.19E+08	1.19E+08	+
Tesk1	MmuEX0046978	chr4	43457995	43458156	43458246	43458395	+
Tesk2	MmuEX0046981	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tesk2	MmuEX0046983	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tesk2	MmuEX0046984	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tesk2	MmuEX0046985	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tet2	MmuEX0046990	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tet2	MmuEX0046991	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tet2	MmuEX0046992	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tet2	MmuEX0046993	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tet2	MmuEX0046994	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tet2	MmuEX0046995	chr3	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tex10	MmuEX0046998	chr4	48469783	48470461	48470666	48471410	-
Tex10	MmuEX0046999	chr4	48464931	48465248	48465324	48465765	-
Tex10	MmuEX0047000	chr4	48480776	48481153	48481337	48481626	-
Tex10	MmuEX0047001	chr4	48449389	48465765	48465853	48469606	-
Tex10	MmuEX0047002	chr4	48447955	48449309	48449389	48464798	-
Tex2	MmuEX0047025	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Tex2	MmuEX0047026	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Tex2	MmuEX0047027	chr11	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Tex261	MmuEX0047032	chr6	83721297	83721441	83721543	83722236	-
Tex261	MmuEX0047033	chr6	83722303	83723704	83723752	83725012	-
Tex264	MmuEX0047034	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tex264	MmuEX0047035	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tex264	MmuEX0047036	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tex264	MmuEX0047037	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tfam	MmuEX0047038	chr10	70696200	70697613	70697762	70698291	-
Tfb1m	MmuEX0047039	chr17	3519795	3521645	3521772	3536078	-
Tfb1m	MmuEX0047040	chr17	3527894	3529674	3529796	3536078	-
Tfb1m	MmuEX0047041	chr17	3536197	3543097	3543248	3545583	-
Tfb1m	MmuEX0047043	chr17	3521772	3527747	3527894	3536078	-
Tfb1m	MmuEX0047044	chr17	3521772	3524446	3524510	3536078	-
Tfb1m	MmuEX0047045	chr17	3545691	3553496	3553589	3554932	-
Tfb2m	MmuEX0047046	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Tfb2m	MmuEX0047047	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Tfb2m	MmuEX0047048	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Tfb2m	MmuEX0047049	chr1	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Tfdp1	MmuEX0047050	chr8	13369580	13370269	13370274	13370481	+

Tfdp1	MmuEX0047052	chr8	13339739	13365089	13365195	13369459	+
Tfdp1	MmuEX0047053	chr8	13369580	13370172	13370274	13370481	+
Tfdp2	MmuEX0047054	chr9	96102607	96102741	96103183	96123513	+
Tfdp2	MmuEX0047055	chr9	96102607	96123513	96123617	96133101	+
Tfdp2	MmuEX0047056	chr9	96211107	96217896	96218001	96218207	+
Tfdp2	MmuEX0047057	chr9	96195546	96198046	96198189	96200791	+
Tfdp2	MmuEX0047058	chr9	96096979	96102550	96102607	96123513	+
Tfdp2	MmuEX0047059	chr9	96123617	96133101	96133167	96174258	+
Tfdp2	MmuEX0047060	chr9	96133167	96147469	96147507	96174258	+
Tfdp2	MmuEX0047061	chr9	96133167	96174285	96174361	96188020	+
Tfdp2	MmuEX0047062	chr9	96174361	96188020	96188141	96195384	+
Tfdp2	MmuEX0047063	chr9	96188141	96190999	96191046	96195384	+
Tfg	MmuEX0047064	chr16	56705807	56712724	56712953	56717298	-
Tfg	MmuEX0047065	chr16	56704686	56705724	56705807	56712724	-
Tfip11	MmuEX0047066	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tfip11	MmuEX0047067	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tfpi	MmuEX0047068	chr2	84285073	84292714	84292752	84293957	-
Tfpi	MmuEX0047069	chr2	84294154	84298180	84298290	84313856	-
Tfpi	MmuEX0047070	chr2	84313956	84314100	84314342	84316848	-
Tfpi	MmuEX0047071	chr2	84285073	84293957	84294154	84298180	-
Tfpt	MmuEX0047075	chr7	3572548	3572665	3572734	3576196	-
Tfpt	MmuEX0047076	chr7	3576271	3580430	3580688	3581154	-
Tfpt	MmuEX0047077	chr7	3572734	3576201	3576271	3580426	-
Tfpt	MmuEX0047078	chr7	3572076	3572379	3572548	3572665	-
Tfrc	MmuEX0047079	chr16	32620609	32621261	32621383	32623143	+
Tfrc	MmuEX0047080	chr16	32621383	32623143	32623228	32623458	+
Tfrc	MmuEX0047081	chr16	32616984	32617183	32617285	32618304	+
Tfrc	MmuEX0047082	chr16	32623521	32624455	32624522	32624854	+
Tgds	MmuEX0047084	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047085	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047086	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047087	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047088	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047089	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047090	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047091	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgds	MmuEX0047092	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Tgfb1	MmuEX0047096	chr7	26482014	26482144	26482291	26489144	+
Tgfb1i1	MmuEX0047097	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Tgfb1i1	MmuEX0047098	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Tgfb2	MmuEX0047099	chr1	1.88E+08	1.89E+08	1.89E+08	1.89E+08	-
Tgfb2	MmuEX0047100	chr1	1.88E+08	1.88E+08	1.88E+08	1.88E+08	-
Tgfb3	MmuEX0047101	chr12	87400003	87400740	87400806	87402978	-
Tgfb3	MmuEX0047102	chr12	87403149	87404771	87404878	87410297	-
Tgfb1	MmuEX0047103	chr13	56738029	56738499	56738578	56739382	+
Tgfb1	MmuEX0047104	chr4	47409457	47415675	47415842	47416242	+
Tgfb1	MmuEX0047105	chr4	47415842	47416242	47416398	47418401	+

Tgfbr1	MmuEX0047106	chr4	47396866	47405876	47405878	47406119	+
Tgfbr1	MmuEX0047107	chr4	47416398	47418401	47418525	47419794	+
Tgfbr1	MmuEX0047108	chr4	47366268	47395785	47395916	47396621	+
Tgfbr1	MmuEX0047109	chr4	47366268	47396621	47396866	47409227	+
Tgfbr1	MmuEX0047110	chr4	47366268	47406131	47406361	47409227	+
Tgfbr1	MmuEX0047111	chr4	47366268	47409227	47409457	47415675	+
Tgfbr2	MmuEX0047112	chr9	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tgfbr2	MmuEX0047113	chr9	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tgfbr3	MmuEX0047114	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Tgfbr3	MmuEX0047115	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Tgfbr3	MmuEX0047116	chr5	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Tgfbrap1	MmuEX0047117	chr1	43124473	43128306	43128500	43132096	-
Tgfbrap1	MmuEX0047118	chr1	43117066	43119362	43119444	43124319	-
Tgfbrap1	MmuEX0047119	chr1	43132797	43136572	43136671	43153697	-
Tgfbrap1	MmuEX0047120	chr1	43128500	43132096	43132797	43153697	-
Tgfbrap1	MmuEX0047121	chr1	43106680	43108403	43108836	43110256	-
Tgs1	MmuEX0047130	chr4	3504799	3505855	3506061	3510572	+
Tgs1	MmuEX0047132	chr4	3502276	3510572	3510636	3512178	+
Th1l	MmuEX0047135	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Th1l	MmuEX0047136	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Th1l	MmuEX0047137	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Tha1	MmuEX0047138	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tha1	MmuEX0047139	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tha1	MmuEX0047140	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tha1	MmuEX0047141	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Thada	MmuEX0047143	chr17	84841152	84843158	84843849	84845845	-
Thada	MmuEX0047144	chr17	84831726	84834896	84835050	84835935	-
Thada	MmuEX0047145	chr17	84828544	84831519	84831726	84834896	-
Thada	MmuEX0047146	chr17	84828162	84828409	84828544	84831519	-
Thada	MmuEX0047149	chr17	84785942	84792700	84792822	84794403	-
Thada	MmuEX0047152	chr17	84630504	84651674	84651768	84672046	-
Thada	MmuEX0047153	chr17	84628549	84629082	84629200	84630131	-
Thada	MmuEX0047154	chr17	84592809	84622014	84622145	84625228	-
Thada	MmuEX0047156	chr17	84847379	84851049	84851236	84853949	-
Thada	MmuEX0047157	chr17	84843849	84845845	84846065	84847285	-
Thada	MmuEX0047159	chr17	84736222	84785851	84785942	84792700	-
Thap2	MmuEX0047162	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Thap2	MmuEX0047163	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Thap3	MmuEX0047164	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Thap4	MmuEX0047165	chr1	95602232	95611475	95611578	95613209	-
Thap4	MmuEX0047166	chr1	95613318	95621734	95621893	95646424	-
Thap6	MmuEX0047167	chr5	92392548	92392709	92392811	92394122	+
Thap6	MmuEX0047168	chr5	92392811	92394122	92394330	92395478	+
Thap7	MmuEX0047169	chr16	17530478	17530871	17530950	17531118	-
Thap7	MmuEX0047170	chr16	17528833	17530323	17530478	17530771	-
Thap7	MmuEX0047171	chr16	17528833	17529028	17529168	17530323	-
Thbs1	MmuEX0047172	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+

Thbs1	MmuEX0047173	chr2	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Thbs3	MmuEX0047174	chr3	89019246	89020603	89020809	89021607	+
Thbs3	MmuEX0047175	chr3	89025556	89026787	89026892	89027327	+
Thbs3	MmuEX0047176	chr3	89025556	89026925	89027084	89027327	+
Thbs3	MmuEX0047177	chr3	89027445	89027553	89027605	89027882	+
Thbs3	MmuEX0047178	chr3	89022052	89022779	89022805	89022969	+
Thbs3	MmuEX0047179	chr3	89024151	89024880	89025032	89025256	+
Thbs3	MmuEX0047180	chr3	89028386	89028499	89028547	89028732	+
Thbs3	MmuEX0047181	chr3	89028592	89028820	89028928	89030448	+
Thbs3	MmuEX0047182	chr3	89028928	89029174	89029198	89030448	+
Thbs3	MmuEX0047183	chr3	89029346	89030226	89030365	89030448	+
Them4	MmuEX0047185	chr3	94127663	94128199	94128306	94133684	+
Them4	MmuEX0047186	chr3	94114210	94121312	94121498	94127504	+
Them4	MmuEX0047187	chr3	94121498	94123743	94123929	94127504	+
Thg1l	MmuEX0047191	chr11	45763805	45765045	45765133	45766237	-
Thg1l	MmuEX0047192	chr11	45767734	45767894	45767996	45768777	-
Thnsl2	MmuEX0047193	chr6	71078846	71079206	71079269	71081642	-
Thnsl2	MmuEX0047194	chr6	71091448	71091679	71091746	71094285	-
Thnsl2	MmuEX0047195	chr6	71089937	71091214	71091448	71094285	-
Thoc1	MmuEX0047196	chr18	9970326	9975597	9975705	9977845	+
Thoc1	MmuEX0047197	chr18	9977976	9984432	9984532	9986287	+
Thoc1	MmuEX0047198	chr18	9986353	9986419	9986454	9986551	+
Thoc1	MmuEX0047199	chr18	9986353	9986551	9986601	9986689	+
Thoc1	MmuEX0047200	chr18	9987163	9987597	9987662	9989689	+
Thoc1	MmuEX0047201	chr18	9959169	9959253	9959313	9960484	+
Thoc1	MmuEX0047202	chr18	9959313	9960484	9960550	9962371	+
Thoc1	MmuEX0047203	chr18	9960550	9962371	9962489	9963261	+
Thoc2	MmuEX0047204	chrX	39225863	39226119	39226253	39227059	-
Thoc2	MmuEX0047205	chrX	39225600	39225742	39225863	39227059	-
Thoc2	MmuEX0047206	chrX	39235177	39250969	39251027	39264978	-
Thoc2	MmuEX0047207	chrX	39186665	39188275	39188392	39189678	-
Thoc2	MmuEX0047208	chrX	39184034	39186486	39186665	39188275	-
Thoc2	MmuEX0047209	chrX	39233114	39235086	39235177	39250969	-
Thoc2	MmuEX0047210	chrX	39227129	39233063	39233114	39235086	-
Thoc2	MmuEX0047211	chrX	39167185	39167375	39167805	39175545	-
Thoc2	MmuEX0047212	chrX	39159891	39160211	39160348	39165636	-
Thoc2	MmuEX0047213	chrX	39156709	39159579	39159739	39159822	-
Thoc2	MmuEX0047214	chrX	39225863	39227059	39227129	39233063	-
Thoc2	MmuEX0047215	chrX	39227129	39227252	39227363	39233063	-
Thoc2	MmuEX0047216	chrX	39197982	39209911	39210106	39211241	-
Thoc3	MmuEX0047217	chr13	54564933	54565043	54565204	54567541	-
Thoc4	MmuEX0047218	chr11	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Thoc5	MmuEX0047219	chr11	4805758	4810630	4810762	4812784	+
Thoc5	MmuEX0047220	chr11	4814624	4815492	4815600	4818127	+
Thoc5	MmuEX0047221	chr11	4822028	4822142	4822229	4824751	+
Thoc5	MmuEX0047222	chr11	4802435	4804098	4804244	4805644	+
Thoc5	MmuEX0047223	chr11	4822229	4824751	4824866	4826049	+

Thoc5	MmuEX0047224	chr11	4810762	4811438	4811473	4812784	+
Thoc6	MmuEX0047225	chr17	23806273	23806358	23806420	23806494	-
Thoc6	MmuEX0047226	chr17	23806077	23806163	23806273	23806358	-
Thoc7	MmuEX0047227	chr14	14782879	14783720	14783777	14785590	-
Thoc7	MmuEX0047228	chr14	14787170	14789576	14789694	14789974	-
Thoc7	MmuEX0047229	chr14	14782715	14782813	14782879	14783720	-
Thop1	MmuEX0047230	chr10	80541375	80542203	80542338	80542616	+
Thop1	MmuEX0047231	chr10	80538404	80539419	80539485	80539688	+
Thop1	MmuEX0047232	chr10	80533023	80535898	80536110	80539688	+
Thra	MmuEX0047234	chr11	98603320	98614604	98614952	98617422	+
Thrap3	MmuEX0047235	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047236	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047237	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047238	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047239	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047240	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047241	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047243	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047244	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrap3	MmuEX0047245	chr4	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Thrb	MmuEX0047248	chr14	18659489	18758110	18758173	18795575	+
Thsd1	MmuEX0047249	chr8	23337901	23348927	23349069	23353469	+
Thsd1	MmuEX0047250	chr8	23354428	23362625	23362783	23368764	+
Thsd7a	MmuEX0047263	chr6	12281112	12281545	12281690	12281929	-
Thumpd2	MmuEX0047271	chr17	81452312	81453464	81453873	81455115	-
Thumpd2	MmuEX0047273	chr17	81437516	81439772	81439885	81443440	-
Thumpd2	MmuEX0047274	chr17	81432080	81436838	81436952	81437433	-
Thumpd2	MmuEX0047275	chr17	81426310	81431972	81432080	81436838	-
Thumpd3	MmuEX0047277	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Thumpd3	MmuEX0047278	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Thumpd3	MmuEX0047279	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Thy1	MmuEX0047280	chr9	43854101	43854697	43855035	43855422	+
Thyn1	MmuEX0047281	chr9	26814032	26814386	26814536	26814743	+
Thyn1	MmuEX0047282	chr9	26812799	26813142	26813234	26813937	+
Tia1	MmuEX0047283	chr6	86370405	86374339	86374414	86374956	+
Tia1	MmuEX0047284	chr6	86374414	86374956	86375064	86375444	+
Tia1	MmuEX0047285	chr6	86368926	86369095	86369127	86370318	+
Tia1	MmuEX0047286	chr6	86370405	86373600	86373665	86374339	+
Tia1	MmuEX0047287	chr6	86369169	86369688	86369806	86370318	+
Tia1	MmuEX0047288	chr6	86375739	86376561	86376684	86380235	+
Tia1	MmuEX0047289	chr6	86376684	86376826	86376935	86377667	+
Tia1	MmuEX0047290	chr6	86375739	86377667	86377812	86380235	+
Tial1	MmuEX0047291	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tial1	MmuEX0047292	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tial1	MmuEX0047293	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tial1	MmuEX0047294	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tial1	MmuEX0047295	chr7	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-

Tiam1	MmuEX0047297	chr16	89789836	89793247	89793419	89794923	-
Tiam1	MmuEX0047299	chr16	89813372	89858844	89858906	89860450	-
Tiam1	MmuEX0047311	chr16	89793419	89798277	89798379	89798895	-
Tiam1	MmuEX0047315	chr16	89860596	89865479	89865664	89867755	-
Tiam1	MmuEX0047316	chr16	89858918	89860517	89860596	89865479	-
Tiam2	MmuEX0047317	chr17	3450336	3450779	3450857	3453320	+
Tiam2	MmuEX0047318	chr17	3448536	3450232	3450336	3450779	+
Tiam2	MmuEX0047319	chr17	3454351	3477175	3477278	3502881	+
Tiam2	MmuEX0047323	chr17	3415185	3421273	3421708	3427128	+
Tiam2	MmuEX0047324	chr17	3421708	3427128	3427300	3428791	+
Tie1	MmuEX0047327	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tie1	MmuEX0047328	chr4	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tifa	MmuEX0047329	chr3	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Timeless	MmuEX0047338	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Timm17a	MmuEX0047340	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Timm17a	MmuEX0047341	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Timm17a	MmuEX0047342	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Timm17a	MmuEX0047343	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Timm17b	MmuEX0047344	chrX	7476595	7478087	7478186	7480799	+
Timm22	MmuEX0047345	chr11	76221119	76223144	76223340	76224629	+
Timm44	MmuEX0047349	chr8	4260622	4261908	4261997	4265226	-
Timm44	MmuEX0047350	chr8	4268013	4268300	4268380	4269855	-
Timm44	MmuEX0047351	chr8	4267340	4267637	4267776	4267864	-
Timm44	MmuEX0047352	chr8	4266862	4267255	4267340	4267637	-
Timm44	MmuEX0047353	chr8	4268380	4269855	4270025	4274137	-
Timm44	MmuEX0047354	chr8	4261997	4265226	4265276	4266556	-
Timm9	MmuEX0047355	chr12	72224673	72226449	72226544	72227320	-
Timm9	MmuEX0047356	chr12	72227384	72234887	72234984	72237537	-
Timm9	MmuEX0047357	chr12	72233073	72233494	72233629	72237537	-
Timm9	MmuEX0047358	chr12	72227384	72232988	72233068	72237537	-
Timp1	MmuEX0047359	chrX	20447450	20448160	20448288	20449903	+
Timp1	MmuEX0047360	chrX	20448288	20449903	20449982	20450176	+
Tinagl1	MmuEX0047362	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Tinf2	MmuEX0047363	chr14	56299544	56299632	56299739	56299837	-
Tiparp	MmuEX0047364	chr3	65332554	65335146	65336106	65350129	+
Tiparp	MmuEX0047365	chr3	65336106	65350129	65350297	65351447	+
Tipin	MmuEX0047366	chr9	64129454	64135915	64136050	64137517	+
Tipin	MmuEX0047367	chr9	64142193	64148849	64149055	64152114	+
Tipin	MmuEX0047368	chr9	64136050	64137523	64137589	64138181	+
Tipin	MmuEX0047369	chr9	64138256	64138627	64138694	64141817	+
Tipin	MmuEX0047370	chr9	64141939	64142130	64142193	64148849	+
Tirap	MmuEX0047371	chr9	34999281	35006796	35006904	35007442	-
Tirap	MmuEX0047372	chr9	34999281	34999497	34999539	35006796	-
Tirap	MmuEX0047373	chr9	34995515	34996242	34996880	34998603	-
Tirap	MmuEX0047374	chr9	34998967	34999159	34999281	35006796	-
Tirap	MmuEX0047375	chr9	34998761	34998906	34998967	34999159	-
Tjap1	MmuEX0047376	chr17	46408878	46419295	46419388	46419909	-

Tjap1	MmuEX0047377	chr17	46401927	46408956	46408991	46419909	-
Tjap1	MmuEX0047378	chr17	46401927	46408749	46408878	46419295	-
Tjap1	MmuEX0047379	chr17	46397151	46397829	46397858	46398085	-
Tjap1	MmuEX0047380	chr17	46401927	46417365	46417493	46419295	-
Tjap1	MmuEX0047381	chr17	46400762	46401043	46401139	46401828	-
Tjp1	MmuEX0047382	chr7	72488625	72499718	72499774	72515696	-
Tjp1	MmuEX0047383	chr7	72474651	72480029	72480125	72480918	-
Tjp1	MmuEX0047384	chr7	72451422	72452502	72452552	72455890	-
Tjp1	MmuEX0047385	chr7	72448104	72451256	72451422	72455890	-
Tjp1	MmuEX0047386	chr7	72442553	72444616	72444699	72445952	-
Tjp1	MmuEX0047387	chr7	72481551	72481929	72482032	72485036	-
Tjp1	MmuEX0047388	chr7	72468983	72471148	72471298	72473810	-
Tjp1	MmuEX0047389	chr7	72487605	72488501	72488625	72499718	-
Tjp1	MmuEX0047390	chr7	72458310	72458979	72459218	72459545	-
Tjp2	MmuEX0047391	chr19	24196861	24199058	24199211	24200195	-
Tjp2	MmuEX0047392	chr19	24195393	24196515	24196648	24196753	-
Tjp2	MmuEX0047393	chr19	24186109	24187236	24187446	24188566	-
Tjp2	MmuEX0047394	chr19	24184300	24185511	24185606	24185916	-
Tjp2	MmuEX0047395	chr19	24175404	24176387	24176487	24183135	-
Tjp2	MmuEX0047396	chr19	24171159	24172491	24172805	24173943	-
Tjp2	MmuEX0047397	chr19	24205963	24207096	24207198	24209340	-
Tjp2	MmuEX0047398	chr19	24170080	24171074	24171159	24172491	-
Tjp2	MmuEX0047399	chr19	24200298	24205345	24205963	24207096	-
Tjp2	MmuEX0047400	chr19	24207198	24209340	24209464	24213269	-
Tjp2	MmuEX0047401	chr19	24172805	24175192	24175404	24176387	-
Tjp2	MmuEX0047402	chr19	24172805	24173943	24174053	24175192	-
Tk2	MmuEX0047407	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tk2	MmuEX0047408	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tk2	MmuEX0047409	chr8	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Tkt	MmuEX0047410	chr14	31381543	31382161	31382325	31383142	+
Tkt	MmuEX0047411	chr14	31383298	31383389	31383519	31384149	+
Tkt	MmuEX0047412	chr14	31362566	31370832	31370874	31371907	+
Tlcd2	MmuEX0047415	chr11	75275257	75277195	75277359	75282059	+
Tlcd2	MmuEX0047416	chr11	75282426	75282974	75283120	75283902	+
Tle1	MmuEX0047417	chr4	71858851	71858952	71859015	71860331	-
Tle1	MmuEX0047419	chr4	71831804	71858807	71858851	71858952	-
Tle1	MmuEX0047420	chr4	71783525	71785806	71786053	71787222	-
Tle1	MmuEX0047421	chr4	71806454	71831742	71831804	71858807	-
Tle1	MmuEX0047422	chr4	71806454	71830156	71830230	71858807	-
Tle1	MmuEX0047423	chr4	71806454	71819247	71819448	71830126	-
Tle1	MmuEX0047424	chr4	71802914	71806344	71806454	71818497	-
Tle1	MmuEX0047425	chr4	71799722	71799996	71800097	71800723	-
Tle1	MmuEX0047426	chr4	71798192	71799526	71799719	71800723	-
Tle2	MmuEX0047428	chr10	81051704	81052165	81052241	81052970	+
Tle2	MmuEX0047431	chr10	81047486	81048958	81049082	81049600	+
Tle2	MmuEX0047434	chr10	81050766	81051554	81051704	81052165	+
Tle3	MmuEX0047436	chr9	61256725	61257082	61257223	61257743	+

Tle3	MmuEX0047437	chr9	61223380	61241010	61241072	61242415	+
Tle3	MmuEX0047438	chr9	61221268	61221760	61221860	61222322	+
Tle3	MmuEX0047439	chr9	61256137	61256573	61256725	61257082	+
Tle3	MmuEX0047440	chr9	61242519	61249663	61249864	61255161	+
Tle3	MmuEX0047441	chr9	61249864	61251259	61251275	61255161	+
Tle4	MmuEX0047442	chr19	14542761	14590849	14590865	14592262	-
Tle4	MmuEX0047443	chr19	14539427	14539776	14539908	14541039	-
Tle4	MmuEX0047444	chr19	14619352	14622565	14622652	14638879	-
Tle4	MmuEX0047445	chr19	14541191	14541670	14541723	14542642	-
Tle4	MmuEX0047446	chr19	14592466	14638879	14638941	14668874	-
Tle4	MmuEX0047447	chr19	14592466	14619278	14619352	14638879	-
Tle6	MmuEX0047448	chr10	81061883	81062780	81062860	81063543	-
Tle6	MmuEX0047449	chr10	81057330	81057953	81057990	81058068	-
Tle6	MmuEX0047450	chr10	81055599	81056740	81056987	81057072	-
Tle6	MmuEX0047451	chr10	81059000	81059113	81059231	81060041	-
Tle6	MmuEX0047452	chr10	81058150	81058225	81058300	81058590	-
Tlk1	MmuEX0047453	chr2	70625052	70641037	70641190	70663250	-
Tlk1	MmuEX0047454	chr2	70592543	70595531	70595606	70608061	-
Tlk1	MmuEX0047455	chr2	70563634	70576478	70576544	70580111	-
Tlk1	MmuEX0047456	chr2	70608132	70622783	70622867	70624934	-
Tlk1	MmuEX0047457	chr2	70552222	70554669	70554776	70555839	-
Tlk1	MmuEX0047458	chr2	70563634	70569871	70570123	70576478	-
Tlk1	MmuEX0047459	chr2	70580299	70583560	70583696	70583991	-
Tlk1	MmuEX0047460	chr2	70608132	70624934	70625052	70663250	-
Tlk1	MmuEX0047461	chr2	70595606	70608061	70608132	70663250	-
Tlk1	MmuEX0047462	chr2	70595606	70606919	70606987	70608061	-
Tlk2	MmuEX0047464	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047465	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047466	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047467	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047468	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047469	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047470	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047471	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047472	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047473	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047474	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047475	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tlk2	MmuEX0047476	chr11	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Tln1	MmuEX0047483	chr4	43566422	43567150	43567210	43567919	-
Tln1	MmuEX0047484	chr4	43563250	43563834	43563910	43564058	-
Tln1	MmuEX0047485	chr4	43561018	43561958	43562056	43562193	-
Tln1	MmuEX0047486	chr4	43561018	43561547	43561597	43561958	-
Tln1	MmuEX0047487	chr4	43559788	43560374	43560668	43560851	-
Tln1	MmuEX0047488	chr4	43558392	43558478	43558594	43558732	-
Tln1	MmuEX0047489	chr4	43558100	43558279	43558392	43558478	-
Tln1	MmuEX0047490	chr4	43557841	43557966	43558100	43558279	-

Tln1	MmuEX0047491	chr4	43553009	43553402	43553545	43555353	-
Tln1	MmuEX0047492	chr4	43549282	43549396	43549542	43550660	-
Tln1	MmuEX0047493	chr4	43546840	43547262	43547369	43547452	-
Tln1	MmuEX0047494	chr4	43568856	43569161	43569258	43569493	-
Tln1	MmuEX0047495	chr4	43546840	43547033	43547035	43547262	-
Tln2	MmuEX0047496	chr9	67245490	67307723	67307796	67407421	-
Tln2	MmuEX0047497	chr9	67234491	67236377	67236519	67240259	-
Tln2	MmuEX0047498	chr9	67186130	67188089	67188202	67189842	-
Tln2	MmuEX0047499	chr9	67169765	67170780	67170988	67178355	-
Tln2	MmuEX0047500	chr9	67170988	67172592	67172763	67175395	-
Tln2	MmuEX0047501	chr9	67243358	67245319	67245490	67307723	-
Tln2	MmuEX0047502	chr9	67144249	67150281	67150442	67152643	-
Tln2	MmuEX0047503	chr9	67077264	67088487	67088611	67090134	-
Tln2	MmuEX0047504	chr9	67075251	67075365	67075453	67077139	-
Tln2	MmuEX0047505	chr9	67240411	67241382	67241511	67243261	-
Tln2	MmuEX0047506	chr9	67236519	67240259	67240411	67241382	-
Tln2	MmuEX0047507	chr9	67210624	67211166	67211168	67213712	-
Tln2	MmuEX0047508	chr9	67307796	67387139	67387210	67407421	-
Tln2	MmuEX0047509	chr9	67114730	67120417	67120536	67123128	-
Tln2	MmuEX0047510	chr9	67110787	67114584	67114730	67120417	-
Tln2	MmuEX0047511	chr9	67245490	67252059	67252157	67307723	-
Tlr3	MmuEX0047515	chr8	46484576	46486000	46486191	46488052	-
Tlr4	MmuEX0047519	chr4	66488955	66494928	66495094	66500263	+
Tm2d1	MmuEX0047523	chr4	98032327	98041611	98041704	98047309	-
Tm2d1	MmuEX0047524	chr4	98032327	98037183	98037274	98041611	-
Tm2d1	MmuEX0047525	chr4	98024738	98032254	98032327	98037183	-
Tm2d2	MmuEX0047526	chr8	26128064	26128538	26128625	26130911	+
Tm2d2	MmuEX0047527	chr8	26128625	26130911	26131026	26133038	+
Tm2d3	MmuEX0047528	chr7	72842756	72843978	72844053	72846479	+
Tm2d3	MmuEX0047529	chr7	72838455	72838752	72838829	72840029	+
Tm6sf1	MmuEX0047531	chr7	89010230	89012249	89012422	89013527	+
Tm6sf1	MmuEX0047532	chr7	89010230	89013527	89013630	89015583	+
Tm6sf1	MmuEX0047533	chr7	89010230	89015583	89015665	89020610	+
Tm6sf1	MmuEX0047534	chr7	89010230	89016255	89016376	89020610	+
Tm6sf1	MmuEX0047535	chr7	89016376	89018618	89018722	89020610	+
Tm7sf2	MmuEX0047538	chr19	6063607	6063822	6063990	6064079	-
Tm7sf2	MmuEX0047539	chr19	6067022	6067123	6067319	6067669	-
Tm7sf2	MmuEX0047540	chr19	6064198	6066311	6066414	6066499	-
Tm7sf2	MmuEX0047541	chr19	6063446	6063527	6063607	6063822	-
Tm7sf2	MmuEX0047542	chr19	6066414	6066499	6066544	6066968	-
Tm7sf3	MmuEX0047543	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tm7sf3	MmuEX0047544	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tm7sf3	MmuEX0047545	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tm7sf3	MmuEX0047546	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tm7sf3	MmuEX0047547	chr6	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tm9sf1	MmuEX0047548	chr14	56257342	56259222	56259407	56259804	-
Tm9sf1	MmuEX0047549	chr14	56255449	56256747	56256907	56259222	-

Tm9sf2	MmuEX0047550	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Tm9sf4	MmuEX0047551	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tm9sf4	MmuEX0047552	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tm9sf4	MmuEX0047553	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tm9sf4	MmuEX0047554	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tm9sf4	MmuEX0047555	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tm9sf4	MmuEX0047556	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tm9sf4	MmuEX0047557	chr2	1.53E+08	1.53E+08	1.53E+08	1.53E+08	+
Tmbim1	MmuEX0047558	chr1	74340576	74341772	74342013	74350697	-
Tmbim1	MmuEX0047559	chr1	74338308	74339031	74339081	74339409	-
Tmbim6	MmuEX0047561	chr15	99223814	99230088	99230302	99232011	+
Tmbim6	MmuEX0047563	chr15	99230302	99230492	99230638	99232011	+
Tmbim6	MmuEX0047564	chr15	99232094	99232492	99232600	99234845	+
Tmc4	MmuEX0047567	chr7	3619226	3621176	3621273	3621517	-
Tmc4	MmuEX0047568	chr7	3618780	3619043	3619226	3621176	-
Tmc4	MmuEX0047569	chr7	3618576	3618650	3618780	3619043	-
Tmc4	MmuEX0047570	chr7	3617782	3618421	3618576	3618650	-
Tmc4	MmuEX0047571	chr7	3617610	3617704	3617782	3618421	-
Tmc6	MmuEX0047576	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc6	MmuEX0047577	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc6	MmuEX0047578	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc6	MmuEX0047579	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc6	MmuEX0047580	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc6	MmuEX0047581	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc6	MmuEX0047582	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Tmc7	MmuEX0047587	chr7	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Tmc8	MmuEX0047588	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tmc8	MmuEX0047589	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tmc8	MmuEX0047591	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tmcc1	MmuEX0047592	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047593	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047594	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047595	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047596	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047597	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047598	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc1	MmuEX0047599	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmcc2	MmuEX0047600	chr1	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmcc3	MmuEX0047602	chr10	93977849	94041168	94042084	94045019	+
Tmcc3	MmuEX0047604	chr10	94042084	94045019	94045154	94049473	+
Tmco1	MmuEX0047605	chr1	1.69E+08	1.69E+08	1.69E+08	1.69E+08	+
Tmco3	MmuEX0047606	chr8	13313956	13314558	13314650	13318843	+
Tmco3	MmuEX0047607	chr8	13296108	13298213	13298305	13303728	+
Tmco3	MmuEX0047608	chr8	13298305	13303728	13303914	13308346	+
Tmco3	MmuEX0047609	chr8	13303914	13308349	13308466	13313806	+
Tmco3	MmuEX0047610	chr8	13308466	13310145	13310340	13313806	+
Tmco4	MmuEX0047611	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+

Tmco4	MmuEX0047612	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmco4	MmuEX0047613	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmco4	MmuEX0047614	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmco4	MmuEX0047615	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmco4	MmuEX0047616	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmco6	MmuEX0047618	chr18	36894906	36895042	36895154	36897111	+
Tmco6	MmuEX0047619	chr18	36898718	36898809	36898995	36900706	+
Tmco6	MmuEX0047620	chr18	36898398	36898607	36898718	36898809	+
Tmco6	MmuEX0047621	chr18	36897233	36897323	36897506	36897750	+
Tmco6	MmuEX0047622	chr18	36897854	36898016	36898101	36898282	+
Tmco6	MmuEX0047623	chr18	36898995	36900706	36900800	36901316	+
Tmco7	MmuEX0047624	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047625	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047626	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047627	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047628	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047629	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047630	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047631	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047632	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047633	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047634	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmco7	MmuEX0047635	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmed1	MmuEX0047636	chr9	21313558	21313733	21313795	21314267	-
Tmed2	MmuEX0047638	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Tmed2	MmuEX0047639	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Tmed5	MmuEX0047640	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Tmed5	MmuEX0047641	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Tmed8	MmuEX0047643	chr12	88515617	88517584	88517713	88522339	-
Tmeff1	MmuEX0047644	chr4	48627855	48630107	48630203	48649712	+
Tmeff1	MmuEX0047645	chr4	48630203	48649712	48649860	48663167	+
Tmeff1	MmuEX0047646	chr4	48630203	48651852	48651917	48663167	+
Tmem104	MmuEX0047650	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tmem104	MmuEX0047651	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tmem104	MmuEX0047652	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tmem104	MmuEX0047653	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tmem104	MmuEX0047654	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Tmem106a	MmuEX0047655	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tmem106a	MmuEX0047656	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tmem106a	MmuEX0047657	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tmem106a	MmuEX0047658	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tmem106b	MmuEX0047659	chr6	13019960	13020308	13020414	13021742	+
Tmem106b	MmuEX0047660	chr6	13032462	13033369	13033422	13034188	+
Tmem106c	MmuEX0047661	chr15	97794934	97795271	97795461	97796678	+
Tmem106c	MmuEX0047662	chr15	97795461	97796678	97796741	97797368	+
Tmem107	MmuEX0047663	chr11	68884535	68884726	68884793	68884876	+
Tmem108	MmuEX0047665	chr9	1.03E+08	1.03E+08	1.03E+08	1.04E+08	-

Tmem11	MmuEX0047667	chr11	60678850	60688217	60688308	60689262	-
Tmem11	MmuEX0047668	chr11	60678850	60689262	60689549	60692215	-
Tmem110	MmuEX0047669	chr14	31676114	31676374	31676453	31677615	+
Tmem110	MmuEX0047670	chr14	31639076	31676066	31676114	31685736	+
Tmem110	MmuEX0047671	chr14	31639076	31677615	31677710	31683937	+
Tmem110	MmuEX0047672	chr14	31639076	31679809	31679930	31683937	+
Tmem110	MmuEX0047673	chr14	31639076	31683937	31684049	31684667	+
Tmem110	MmuEX0047674	chr14	31684049	31684667	31684744	31685736	+
Tmem111	MmuEX0047675	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tmem111	MmuEX0047676	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tmem111	MmuEX0047677	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tmem116	MmuEX0047680	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047681	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047682	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047683	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047684	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047685	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047686	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem116	MmuEX0047687	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Tmem117	MmuEX0047688	chr15	94545425	94709812	94709911	94762227	+
Tmem117	MmuEX0047689	chr15	94762324	94841747	94841906	94904835	+
Tmem120a	MmuEX0047691	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tmem120a	MmuEX0047692	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tmem120b	MmuEX0047693	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem120b	MmuEX0047694	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem120b	MmuEX0047695	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem120b	MmuEX0047696	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem120b	MmuEX0047697	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem120b	MmuEX0047698	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem120b	MmuEX0047699	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Tmem123	MmuEX0047700	chr9	7768340	7785211	7785326	7790842	+
Tmem123	MmuEX0047701	chr9	7768340	7789303	7789385	7790842	+
Tmem126b	MmuEX0047702	chr7	97617671	97618080	97618191	97619275	-
Tmem127	MmuEX0047703	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Tmem127	MmuEX0047704	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Tmem128	MmuEX0047705	chr5	38656209	38658418	38658523	38660298	+
Tmem131	MmuEX0047709	chr1	36938219	36946109	36946170	36996010	-
Tmem131	MmuEX0047710	chr1	36882191	36882274	36882384	36883856	-
Tmem131	MmuEX0047711	chr1	36879998	36881561	36881665	36882057	-
Tmem131	MmuEX0047712	chr1	36879998	36881250	36881433	36881561	-
Tmem131	MmuEX0047713	chr1	36873092	36875503	36875620	36875738	-
Tmem131	MmuEX0047714	chr1	36872366	36872732	36872841	36872954	-
Tmem131	MmuEX0047715	chr1	36853169	36855787	36855936	36856124	-
Tmem131	MmuEX0047716	chr1	36911812	36929357	36929425	36938179	-
Tmem134	MmuEX0047725	chr19	4126200	4127057	4127121	4131229	+
Tmem134	MmuEX0047726	chr19	4126200	4127577	4127639	4131229	+
Tmem134	MmuEX0047727	chr19	4127639	4127760	4127836	4131229	+

Tmem134	MmuEX0047728	chr19	4127836	4131031	4131075	4131229	+
Tmem135	MmuEX0047729	chr7	96302705	96304937	96305006	96307379	-
Tmem135	MmuEX0047730	chr7	96290480	96292291	96292358	96293167	-
Tmem135	MmuEX0047731	chr7	96392496	96428477	96428510	96453191	-
Tmem135	MmuEX0047732	chr7	96344669	96392431	96392496	96428477	-
Tmem135	MmuEX0047733	chr7	96313676	96344623	96344669	96392431	-
Tmem135	MmuEX0047734	chr7	96307525	96313635	96313676	96344623	-
Tmem138	MmuEX0047735	chr19	10646094	10648102	10648466	10649327	-
Tmem138	MmuEX0047736	chr19	10645758	10646019	10646094	10649327	-
Tmem138	MmuEX0047737	chr19	10646094	10649327	10649425	10649730	-
Tmem140	MmuEX0047740	chr6	34813340	34818515	34818822	34822528	+
Tmem141	MmuEX0047741	chr2	25476978	25477128	25477194	25477454	-
Tmem141	MmuEX0047742	chr2	25476050	25476586	25476693	25476895	-
Tmem141	MmuEX0047743	chr2	25476693	25476895	25476978	25477128	-
Tmem143	MmuEX0047744	chr7	53152471	53152805	53153036	53155002	+
Tmem143	MmuEX0047745	chr7	53153119	53155002	53155106	53162288	+
Tmem143	MmuEX0047746	chr7	53155106	53162317	53162482	53164692	+
Tmem143	MmuEX0047747	chr7	53162482	53163477	53163607	53164692	+
Tmem144	MmuEX0047748	chr3	79629319	79630745	79630821	79631537	-
Tmem144	MmuEX0047749	chr3	79629319	79630591	79630692	79631537	-
Tmem144	MmuEX0047750	chr3	79626672	79627402	79627626	79629201	-
Tmem144	MmuEX0047751	chr3	79630821	79631537	79631618	79635984	-
Tmem144	MmuEX0047753	chr3	79637929	79640156	79640278	79643060	-
Tmem144	MmuEX0047754	chr3	79636064	79637830	79637929	79640156	-
Tmem147	MmuEX0047772	chr7	31513308	31513451	31513587	31513676	-
Tmem147	MmuEX0047773	chr7	31513308	31513676	31513735	31514221	-
Tmem14c	MmuEX0047774	chr13	41113151	41113725	41113826	41116488	+
Tmem14c	MmuEX0047775	chr13	41112542	41113075	41113151	41113725	+
Tmem14c	MmuEX0047776	chr13	41111767	41112484	41112542	41113075	+
Tmem150a	MmuEX0047777	chr6	72306306	72306716	72306763	72307044	+
Tmem160	MmuEX0047781	chr7	17038519	17039470	17039562	17040510	+
Tmem161a	MmuEX0047782	chr8	72704498	72704605	72704748	72704835	+
Tmem161a	MmuEX0047783	chr8	72704767	72704835	72704948	72705048	+
Tmem161a	MmuEX0047784	chr8	72696339	72698202	72698305	72700706	+
Tmem161a	MmuEX0047785	chr8	72696339	72700744	72700824	72704438	+
Tmem161a	MmuEX0047786	chr8	72696339	72701140	72701237	72704438	+
Tmem161a	MmuEX0047787	chr8	72696339	72701426	72701507	72704438	+
Tmem161a	MmuEX0047788	chr8	72696339	72702766	72702917	72704438	+
Tmem161b	MmuEX0047789	chr13	84362039	84397366	84397449	84399748	+
Tmem161b	MmuEX0047790	chr13	84422969	84423590	84423730	84426290	+
Tmem161b	MmuEX0047791	chr13	84432158	84432986	84433082	84434208	+
Tmem161b	MmuEX0047792	chr13	84397449	84399748	84399845	84411776	+
Tmem161b	MmuEX0047793	chr13	84362039	84390835	84390938	84397366	+
Tmem161b	MmuEX0047794	chr13	84399845	84411776	84411932	84422909	+
Tmem161b	MmuEX0047795	chr13	84422467	84422909	84422969	84423590	+
Tmem164	MmuEX0047800	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmem164	MmuEX0047801	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+

Tmem164	MmuEX0047802	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmem164	MmuEX0047803	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmem164	MmuEX0047804	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmem164	MmuEX0047805	chrX	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tmem165	MmuEX0047806	chr5	76628595	76629392	76629628	76633132	+
Tmem165	MmuEX0047807	chr5	76633841	76636827	76636932	76637535	+
Tmem168	MmuEX0047808	chr6	13553487	13557501	13557577	13557830	-
Tmem168	MmuEX0047809	chr6	13553487	13556924	13557084	13557830	-
Tmem168	MmuEX0047810	chr6	13553487	13555787	13555959	13557830	-
Tmem168	MmuEX0047811	chr6	13545086	13552238	13553487	13557830	-
Tmem170	MmuEX0047813	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Tmem170b	MmuEX0047814	chr13	41701681	41723347	41723517	41729825	+
Tmem173	MmuEX0047815	chr18	35899231	35899579	35899668	35899961	-
Tmem173	MmuEX0047816	chr18	35898443	35898694	35898874	35899005	-
Tmem175	MmuEX0047817	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem175	MmuEX0047818	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem175	MmuEX0047819	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem175	MmuEX0047820	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem175	MmuEX0047821	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem175	MmuEX0047822	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem175	MmuEX0047823	chr5	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Tmem176a	MmuEX0047824	chr6	48794178	48794667	48794777	48795103	+
Tmem176a	MmuEX0047825	chr6	48792400	48792588	48792698	48793784	+
Tmem176b	MmuEX0047826	chr6	48786336	48788171	48788364	48790995	-
Tmem176b	MmuEX0047827	chr6	48788364	48790360	48790452	48790995	-
Tmem176b	MmuEX0047828	chr6	48788090	48788125	48788140	48790360	-
Tmem176b	MmuEX0047829	chr6	48788364	48788474	48788685	48790360	-
Tmem179b	MmuEX0047830	chr19	8847596	8847995	8848112	8848825	-
Tmem179b	MmuEX0047831	chr19	8847596	8847780	8847914	8848825	-
Tmem18	MmuEX0047832	chr12	31270455	31272065	31272119	31273339	+
Tmem180	MmuEX0047836	chr19	46442879	46443727	46443823	46446426	+
Tmem180	MmuEX0047837	chr19	46443823	46446426	46446597	46446672	+
Tmem181b-ps	MmuEX0047839	chr17	6446550	6447931	6448061	6448586	-
Tmem181b-ps	MmuEX0047840	chr17	6446550	6447673	6447764	6447931	-
Tmem181b-ps	MmuEX0047843	chr17	6442778	6459804	6459859	6822253	-
Tmem181b-ps	MmuEX0047844	chr17	6442778	6451036	6451116	6451804	-
Tmem181b-ps	MmuEX0047845	chr17	6442778	6448586	6449622	6451036	-
Tmem182	MmuEX0047846	chr1	40864565	40895143	40895280	40911641	+
Tmem183a	MmuEX0047847	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tmem183a	MmuEX0047848	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tmem183a	MmuEX0047849	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Tmem184b	MmuEX0047851	chr15	79193315	79194088	79194108	79195715	-
Tmem184b	MmuEX0047852	chr15	79195909	79196217	79196386	79197017	-
Tmem184c	MmuEX0047853	chr8	80121879	80122453	80122552	80123556	-
Tmem188	MmuEX0047854	chr8	90643750	90647393	90647498	90648981	+
Tmem188	MmuEX0047855	chr8	90643750	90648981	90649054	90653594	+
Tmem19	MmuEX0047856	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-

Tmem19	MmuEX0047857	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Tmem19	MmuEX0047858	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Tmem19	MmuEX0047859	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Tmem19	MmuEX0047860	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Tmem191c	MmuEX0047861	chr16	17276980	17277055	17277132	17277287	+
Tmem191c	MmuEX0047862	chr16	17277132	17277287	17277343	17277621	+
Tmem191c	MmuEX0047863	chr16	17277343	17277435	17277494	17277621	+
Tmem192	MmuEX0047864	chr8	67488231	67489438	67489540	67492610	+
Tmem192	MmuEX0047865	chr8	67483508	67488097	67488231	67489438	+
Tmem192	MmuEX0047866	chr8	67489540	67490192	67490404	67492610	+
Tmem194	MmuEX0047867	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Tmem194	MmuEX0047868	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Tmem2	MmuEX0047876	chr19	21916713	21917176	21917279	21919110	+
Tmem2	MmuEX0047877	chr19	21926869	21927728	21927811	21930149	+
Tmem2	MmuEX0047878	chr19	21871957	21872357	21872918	21876352	+
Tmem2	MmuEX0047879	chr19	21853276	21854661	21854742	21867128	+
Tmem201	MmuEX0047881	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tmem201	MmuEX0047882	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tmem201	MmuEX0047883	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tmem201	MmuEX0047884	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tmem201	MmuEX0047885	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tmem205	MmuEX0047887	chr9	21730598	21730715	21730793	21731625	-
Tmem206	MmuEX0047888	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Tmem206	MmuEX0047889	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Tmem206	MmuEX0047890	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Tmem206	MmuEX0047891	chr1	1.93E+08	1.93E+08	1.93E+08	1.93E+08	+
Tmem208	MmuEX0047893	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Tmem208	MmuEX0047894	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Tmem209	MmuEX0047895	chr6	30431137	30432857	30432985	30437375	-
Tmem209	MmuEX0047896	chr6	30447993	30451901	30452102	30455733	-
Tmem209	MmuEX0047897	chr6	30455974	30456786	30456917	30458454	-
Tmem209	MmuEX0047898	chr6	30458512	30458791	30458802	30459685	-
Tmem209	MmuEX0047899	chr6	30441184	30442597	30442722	30444738	-
Tmem214	MmuEX0047901	chr5	31174527	31174874	31174979	31175060	+
Tmem214	MmuEX0047902	chr5	31175141	31175234	31175277	31175416	+
Tmem214	MmuEX0047903	chr5	31178259	31178420	31178588	31178736	+
Tmem218	MmuEX0047905	chr9	37015990	37025851	37025961	37026787	+
Tmem218	MmuEX0047906	chr9	37025961	37026787	37026889	37030064	+
Tmem219	MmuEX0047907	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem219	MmuEX0047909	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem219	MmuEX0047910	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem219	MmuEX0047911	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem220	MmuEX0047914	chr11	66843528	66844564	66844683	66845683	+
Tmem222	MmuEX0047918	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tmem222	MmuEX0047919	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tmem222	MmuEX0047920	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Tmem25	MmuEX0047936	chr9	44604210	44604407	44604697	44606204	-

Tmem25	MmuEX0047937	chr9	44603795	44604079	44604210	44604407	-
Tmem25	MmuEX0047938	chr9	44603593	44603765	44603795	44604079	-
Tmem25	MmuEX0047939	chr9	44603360	44603493	44603593	44603765	-
Tmem33	MmuEX0047944	chr5	67652272	67653717	67653893	67654969	+
Tmem33	MmuEX0047945	chr5	67652272	67654969	67655063	67675379	+
Tmem33	MmuEX0047946	chr5	67652272	67655509	67655696	67675379	+
Tmem33	MmuEX0047947	chr5	67652272	67658541	67658608	67675379	+
Tmem33	MmuEX0047948	chr5	67652272	67659750	67659883	67675379	+
Tmem38a	MmuEX0047949	chr8	75103618	75103859	75104043	75105084	+
Tmem38a	MmuEX0047950	chr8	75104043	75105084	75105171	75108599	+
Tmem38a	MmuEX0047951	chr8	75105171	75108599	75108716	75109761	+
Tmem38b	MmuEX0047952	chr4	53840255	53850532	53850674	53853499	+
Tmem38b	MmuEX0047953	chr4	53839092	53840165	53840255	53853499	+
Tmem38b	MmuEX0047954	chr4	53839092	53853499	53853655	53861738	+
Tmem38b	MmuEX0047955	chr4	53839092	53861770	53861922	53863346	+
Tmem38b	MmuEX0047956	chr4	53863433	53867184	53867301	53872754	+
Tmem39a	MmuEX0047957	chr16	38586521	38587312	38587492	38588296	+
Tmem39a	MmuEX0047958	chr16	38573389	38574919	38575102	38575856	+
Tmem39a	MmuEX0047959	chr16	38575939	38578757	38578806	38582083	+
Tmem39a	MmuEX0047960	chr16	38564414	38573223	38573389	38582083	+
Tmem39a	MmuEX0047961	chr16	38573389	38575856	38575939	38582083	+
Tmem39a	MmuEX0047962	chr16	38585631	38585732	38585793	38586334	+
Tmem39b	MmuEX0047963	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Tmem39b	MmuEX0047964	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Tmem39b	MmuEX0047965	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Tmem39b	MmuEX0047966	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Tmem39b	MmuEX0047967	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Tmem41a	MmuEX0047973	chr16	21938167	21946074	21946227	21947441	-
Tmem44	MmuEX0047975	chr16	30539624	30540825	30540995	30543488	-
Tmem44	MmuEX0047976	chr16	30543926	30545212	30545305	30547429	-
Tmem44	MmuEX0047977	chr16	30514908	30529498	30529656	30537540	-
Tmem44	MmuEX0047978	chr16	30514908	30518386	30518418	30529498	-
Tmem44	MmuEX0047979	chr16	30514908	30517239	30517544	30518386	-
Tmem44	MmuEX0047980	chr16	30547555	30549479	30549543	30550449	-
Tmem45a	MmuEX0047981	chr16	56806889	56810012	56810184	56811639	-
Tmem48	MmuEX0047984	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem48	MmuEX0047985	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem48	MmuEX0047986	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem48	MmuEX0047987	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem48	MmuEX0047988	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem48	MmuEX0047989	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem48	MmuEX0047990	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Tmem49	MmuEX0047991	chr11	86415571	86420678	86420794	86424844	-
Tmem5	MmuEX0047992	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Tmem5	MmuEX0047993	chr10	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Tmem50a	MmuEX0047994	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem50b	MmuEX0047995	chr16	91578276	91580447	91580539	91581940	-

Tmem50b	MmuEX0047996	chr16	91576403	91578219	91578276	91580447	-
Tmem50b	MmuEX0047997	chr16	91583633	91585843	91585941	91587187	-
Tmem50b	MmuEX0047998	chr16	91582007	91583521	91583633	91587187	-
Tmem51	MmuEX0047999	chr4	1.42E+08	1.42E+08	1.42E+08	1.42E+08	-
Tmem53	MmuEX0048001	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Tmem53	MmuEX0048002	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Tmem55a	MmuEX0048004	chr4	14791584	14796866	14796939	14805778	+
Tmem55a	MmuEX0048005	chr4	14791584	14813681	14813829	14819540	+
Tmem55a	MmuEX0048006	chr4	14813829	14819540	14819646	14820648	+
Tmem55a	MmuEX0048007	chr4	14819646	14820648	14820771	14829634	+
Tmem55a	MmuEX0048008	chr4	14820771	14829634	14829686	14839579	+
Tmem55b	MmuEX0048009	chr14	51547712	51548496	51548586	51548681	-
Tmem55b	MmuEX0048010	chr14	51548733	51548877	51548982	51549259	-
Tmem57	MmuEX0048017	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048018	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048019	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048020	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048021	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048022	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048023	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem57	MmuEX0048024	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmem62	MmuEX0048026	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tmem62	MmuEX0048027	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tmem62	MmuEX0048028	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tmem62	MmuEX0048029	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tmem62	MmuEX0048030	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tmem62	MmuEX0048031	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tmem63a	MmuEX0048032	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Tmem63a	MmuEX0048033	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Tmem63a	MmuEX0048034	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	+
Tmem63b	MmuEX0048035	chr17	45811210	45812335	45812372	45814875	-
Tmem63b	MmuEX0048036	chr17	45798518	45798706	45798873	45799812	-
Tmem63b	MmuEX0048037	chr17	45798873	45800456	45800618	45801693	-
Tmem63b	MmuEX0048038	chr17	45798873	45799812	45799917	45801693	-
Tmem63b	MmuEX0048039	chr17	45816663	45817537	45817590	45822865	-
Tmem63b	MmuEX0048040	chr17	45814965	45815912	45815950	45816186	-
Tmem65	MmuEX0048052	chr15	58628800	58638633	58638713	58654398	-
Tmem65	MmuEX0048053	chr15	58625964	58628756	58628800	58654398	-
Tmem65	MmuEX0048054	chr15	58618770	58620941	58620983	58621710	-
Tmem65	MmuEX0048055	chr15	58621764	58625897	58625964	58628756	-
Tmem67	MmuEX0048057	chr4	11967924	11970612	11970714	11972942	-
Tmem68	MmuEX0048065	chr4	3496899	3497468	3497519	3501851	-
Tmem68	MmuEX0048066	chr4	3477726	3478899	3479038	3481501	-
Tmem68	MmuEX0048067	chr4	3496899	3497017	3497086	3497468	-
Tmem68	MmuEX0048068	chr4	3491404	3494428	3494621	3496511	-
Tmem68	MmuEX0048069	chr4	3487839	3491240	3491404	3496511	-
Tmem68	MmuEX0048070	chr4	3487839	3489167	3489293	3491240	-

Tmem68	MmuEX0048071	chr4	3479038	3481501	3481561	3487646	-
Tmem69	MmuEX0048072	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tmem70	MmuEX0048073	chr1	16655586	16655789	16655948	16657746	+
Tmem71	MmuEX0048074	chr15	66373320	66383515	66383663	66386593	-
Tmem71	MmuEX0048075	chr15	66364374	66370359	66370434	66373135	-
Tmem8	MmuEX0048078	chr17	26255374	26255601	26255733	26255807	+
Tmem8	MmuEX0048079	chr17	26255897	26255978	26256101	26256344	+
Tmem8	MmuEX0048080	chr17	26257407	26257484	26257630	26258485	+
Tmem8	MmuEX0048081	chr17	26257630	26258300	26258377	26258485	+
Tmem8	MmuEX0048082	chr17	26254483	26254684	26254952	26255055	+
Tmem80	MmuEX0048083	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tmem80	MmuEX0048084	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tmem80	MmuEX0048085	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tmem82	MmuEX0048086	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Tmem85	MmuEX0048087	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Tmem85	MmuEX0048088	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Tmem85	MmuEX0048089	chr2	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Tmem86a	MmuEX0048090	chr7	54306171	54308220	54308484	54308783	+
Tmem87a	MmuEX0048091	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048092	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048093	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048094	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048095	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048096	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048097	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048098	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048099	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048100	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048101	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048102	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048103	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048104	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048105	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048106	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87a	MmuEX0048107	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tmem87b	MmuEX0048108	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048109	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048110	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048111	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048112	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048113	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048114	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048115	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048116	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048117	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048118	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Tmem87b	MmuEX0048119	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+

Tmem8b	MmuEX0048120	chr4	43682044	43682828	43682906	43686772	+
Tmem8b	MmuEX0048121	chr4	43698742	43698883	43699061	43702299	+
Tmem8b	MmuEX0048122	chr4	43699061	43702299	43702445	43702563	+
Tmem8b	MmuEX0048123	chr4	43687516	43690071	43690125	43693531	+
Tmem8b	MmuEX0048124	chr4	43698262	43698398	43698521	43698600	+
Tmem8b	MmuEX0048125	chr4	43682906	43686772	43686961	43693531	+
Tmem8b	MmuEX0048126	chr4	43686961	43687309	43687516	43693531	+
Tmem8b	MmuEX0048127	chr4	43693664	43693918	43694186	43694831	+
Tmf1	MmuEX0048132	chr6	97120425	97122207	97122333	97123294	-
Tmf1	MmuEX0048133	chr6	97118248	97118742	97118884	97120320	-
Tmf1	MmuEX0048134	chr6	97108192	97108455	97108556	97110237	-
Tmf1	MmuEX0048135	chr6	97123397	97125764	97126962	97128876	-
Tmf1	MmuEX0048136	chr6	97114135	97117243	97117399	97118082	-
Tmf1	MmuEX0048137	chr6	97113669	97114043	97114135	97117243	-
Tmf1	MmuEX0048138	chr6	97111554	97113513	97113669	97114043	-
Tmlhe	MmuEX0048142	NT_165789	154848	186972	187079	216736	+
Tmlhe	MmuEX0048143	NT_165789	159773	216736	216917	258247	+
Tmlhe	MmuEX0048144	NT_165789	258423	272714	272993	285396	+
Tmlhe	MmuEX0048145	NT_165789	285515	326114	326350	332450	+
Tmod1	MmuEX0048146	chr4	46074006	46091186	46091342	46096416	+
Tmod1	MmuEX0048147	chr4	46096535	46096864	46097012	46103718	+
Tmod1	MmuEX0048148	chr4	46109950	46112263	46113239	46119742	+
Tmod1	MmuEX0048149	chr4	46052181	46073838	46074006	46096416	+
Tmod3	MmuEX0048151	chr9	75364402	75377176	75377332	75380233	-
Tmod3	MmuEX0048152	chr9	75364402	75369174	75369185	75377176	-
Tmod3	MmuEX0048153	chr9	75357228	75358933	75359063	75362974	-
Tmod4	MmuEX0048154	chr3	94932334	94932522	94932666	94933010	+
Tmod4	MmuEX0048155	chr3	94929898	94930333	94930449	94931262	+
Tmod4	MmuEX0048156	chr3	94931641	94931726	94931833	94932522	+
Tmod4	MmuEX0048157	chr3	94931641	94932191	94932334	94932522	+
Tmpo	MmuEX0048158	chr10	90615483	90615830	90615925	90616023	-
Tmpo	MmuEX0048159	chr10	90614542	90615373	90615483	90615830	-
Tmpo	MmuEX0048160	chr10	90615925	90616023	90616142	90621493	-
Tmtc1	MmuEX0048186	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048187	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048188	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048189	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048190	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048191	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048192	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048193	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc1	MmuEX0048194	chr6	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tmtc3	MmuEX0048202	chr10	99934664	99937009	99937108	99939191	-
Tmtc4	MmuEX0048204	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048205	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048206	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048207	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-

Tmtc4	MmuEX0048208	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048209	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048210	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048211	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048212	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmtc4	MmuEX0048213	chr14	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Tmub2	MmuEX0048214	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tmub2	MmuEX0048215	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Tmx1	MmuEX0048216	chr12	71561567	71565387	71565453	71566965	+
Tmx1	MmuEX0048217	chr12	71554307	71556999	71557114	71557568	+
Tmx1	MmuEX0048218	chr12	71557613	71559766	71559894	71561332	+
Tmx1	MmuEX0048219	chr12	71559894	71561332	71561377	71561466	+
Tmx2	MmuEX0048220	chr2	84513763	84515902	84516015	84516254	-
Tmx2	MmuEX0048221	chr2	84513310	84513411	84513476	84513657	-
Tmx3	MmuEX0048222	chr18	90699550	90700391	90700958	90702375	+
Tmx3	MmuEX0048223	chr18	90699550	90702375	90702432	90702613	+
Tmx3	MmuEX0048224	chr18	90686909	90688497	90688542	90690349	+
Tmx3	MmuEX0048225	chr18	90686909	90690349	90690429	90692922	+
Tmx3	MmuEX0048226	chr18	90690429	90692922	90693021	90697268	+
Tmx3	MmuEX0048227	chr18	90702432	90702613	90702666	90703774	+
Tmx3	MmuEX0048228	chr18	90702666	90702983	90703084	90703774	+
Tmx3	MmuEX0048229	chr18	90702666	90703774	90703830	90707891	+
Tmx3	MmuEX0048230	chr18	90703830	90706467	90706596	90707891	+
Tmx4	MmuEX0048231	chr2	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmx4	MmuEX0048232	chr2	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tmx4	MmuEX0048233	chr2	1.34E+08	1.34E+08	1.34E+08	1.34E+08	-
Tnfaip1	MmuEX0048243	chr11	78341981	78342265	78342360	78342572	-
Tnfaip2	MmuEX0048244	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tnfaip6	MmuEX0048246	chr2	51874409	51906363	51906518	51911666	+
Tnfaip8	MmuEX0048248	chr18	50139280	50212951	50213273	50249854	+
Tnfrsf10b	MmuEX0048249	chr14	70173294	70174893	70175001	70175879	+
Tnfrsf10b	MmuEX0048250	chr14	70177622	70180311	70180380	70182039	+
Tnfrsf12a	MmuEX0048253	chr17	23813240	23813486	23813590	23814294	-
Tnfrsf14	MmuEX0048256	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Tnfrsf14	MmuEX0048260	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Tnfrsf1a	MmuEX0048265	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Tnfrsf1b	MmuEX0048266	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tnfrsf1b	MmuEX0048267	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Tnfrsf22	MmuEX0048269	chr7	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Tnfrsf25	MmuEX0048270	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	+
Tnfsf10	MmuEX0048281	chr3	27216212	27224855	27224992	27227975	+
Tnik	MmuEX0048288	chr3	28431920	28438336	28438426	28440890	+
Tnik	MmuEX0048289	chr3	28524144	28528334	28528342	28529353	+
Tnik	MmuEX0048290	chr3	28469855	28476291	28476495	28529353	+
Tnik	MmuEX0048291	chr3	28493054	28493829	28493915	28494994	+
Tnik	MmuEX0048292	chr3	28522030	28524121	28524144	28529353	+
Tnik	MmuEX0048293	chr3	28553223	28560609	28560709	28566821	+

Tnik	MmuEX0048294	chr3	28560709	28562841	28562990	28564602	+
Tnik	MmuEX0048296	chr3	28441020	28453850	28453904	28494994	+
Tnik	MmuEX0048297	chr3	28453904	28455961	28456039	28494994	+
Tnik	MmuEX0048298	chr3	28456039	28462997	28463172	28529353	+
Tnik	MmuEX0048299	chr3	28463172	28469789	28469855	28529353	+
Tnip1	MmuEX0048300	chr11	54730489	54730758	54730823	54731302	-
Tnip1	MmuEX0048301	chr11	54729089	54730298	54730489	54730758	-
Tnip1	MmuEX0048302	chr11	54747682	54749963	54750043	54751449	-
Tnip1	MmuEX0048303	chr11	54753237	54769523	54769680	54776335	-
Tnip1	MmuEX0048304	chr11	54753237	54754213	54754384	54769350	-
Tnip2	MmuEX0048305	chr5	34842385	34843557	34843646	34846186	-
Tnip2	MmuEX0048306	chr5	34843646	34844107	34844169	34846186	-
Tnk2	MmuEX0048311	chr16	32678071	32678755	32678799	32679545	+
Tnk2	MmuEX0048312	chr16	32680893	32680986	32681081	32681238	+
Tnk2	MmuEX0048313	chr16	32645194	32663825	32664005	32668307	+
Tnk2	MmuEX0048314	chr16	32664005	32665972	32666042	32668307	+
Tnk2	MmuEX0048315	chr16	32666042	32668307	32668528	32669473	+
Tnk2	MmuEX0048316	chr16	32668528	32669473	32669625	32675608	+
Tnk2	MmuEX0048317	chr16	32669625	32670039	32670302	32670878	+
Tnk2	MmuEX0048318	chr16	32671527	32671625	32671719	32675608	+
Tnks	MmuEX0048319	chr8	35981528	36003750	36003974	36028068	-
Tnks	MmuEX0048320	chr8	35903096	35904807	35904904	35905969	-
Tnks	MmuEX0048321	chr8	35936723	35938268	35938362	35952730	-
Tnks	MmuEX0048322	chr8	35932647	35936082	35936268	35936657	-
Tnks1bp1	MmuEX0048323	chr2	84899644	84902045	84903686	84910145	+
Tnks2	MmuEX0048324	chr19	36936667	36936777	36936855	36940442	+
Tnks2	MmuEX0048325	chr19	36950863	36951510	36951580	36953725	+
Tnks2	MmuEX0048326	chr19	36963385	36964382	36964538	36965231	+
Tnks2	MmuEX0048327	chr19	36949863	36950675	36950863	36953725	+
Tnnc1	MmuEX0048332	chr14	32018539	32022989	32023019	32023246	+
Tnni2	MmuEX0048334	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnni3k	MmuEX0048335	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Tnnt1	MmuEX0048336	chr7	4461237	4461554	4461670	4461919	-
Tnnt1	MmuEX0048337	chr7	4459214	4460076	4460185	4460613	-
Tnnt1	MmuEX0048338	chr7	4456402	4458985	4459025	4459124	-
Tnnt2	MmuEX0048339	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tnnt2	MmuEX0048340	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tnnt2	MmuEX0048341	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tnnt2	MmuEX0048342	chr1	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Tnnt3	MmuEX0048343	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnnt3	MmuEX0048344	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnnt3	MmuEX0048345	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnnt3	MmuEX0048346	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnnt3	MmuEX0048347	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnnt3	MmuEX0048348	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnnt3	MmuEX0048349	chr7	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Tnpo2	MmuEX0048351	chr8	87574060	87574258	87574429	87575437	+

Tnpo2	MmuEX0048352	chr8	87574429	87575437	87575523	87575598	+
Tnpo2	MmuEX0048353	chr8	87562388	87564361	87564436	87564513	+
Tnpo3	MmuEX0048354	chr6	29552023	29552859	29552910	29559366	-
Tnpo3	MmuEX0048355	chr6	29549698	29551958	29552023	29559366	-
Tnpo3	MmuEX0048356	chr6	29539229	29549540	29549698	29559366	-
Tnpo3	MmuEX0048357	chr6	29528601	29529521	29529696	29532166	-
Tnpo3	MmuEX0048358	chr6	29522693	29525006	29525152	29528463	-
Tnpo3	MmuEX0048359	chr6	29515855	29518854	29518993	29521036	-
Tnpo3	MmuEX0048360	chr6	29512934	29515171	29515262	29515664	-
Tnpo3	MmuEX0048361	chr6	29491866	29493263	29493360	29501852	-
Tnpo3	MmuEX0048362	chr6	29532309	29536038	29536194	29538023	-
Tnpo3	MmuEX0048363	chr6	29529696	29532166	29532309	29536038	-
Tnpo3	MmuEX0048364	chr6	29510222	29511360	29511420	29512858	-
Tnpo3	MmuEX0048365	chr6	29518993	29521036	29521127	29522586	-
Tnpo3	MmuEX0048366	chr6	29525152	29528463	29528601	29529521	-
Tnrc18	MmuEX0048370	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc18	MmuEX0048371	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc18	MmuEX0048372	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc18	MmuEX0048373	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc18	MmuEX0048374	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc18	MmuEX0048375	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc18	MmuEX0048376	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Tnrc6a	MmuEX0048377	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048378	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048379	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048380	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048381	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048382	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048383	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048384	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048385	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6a	MmuEX0048386	chr7	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Tnrc6b	MmuEX0048387	chr15	80590060	80615169	80615236	80689111	+
Tnrc6b	MmuEX0048388	chr15	80711636	80713374	80713532	80714637	+
Tnrc6b	MmuEX0048389	chr15	80719585	80720536	80720706	80724759	+
Tnrc6b	MmuEX0048390	chr15	80733142	80743735	80743872	80747114	+
Tnrc6b	MmuEX0048391	chr15	80743872	80747114	80747290	80748381	+
Tnrc6b	MmuEX0048392	chr15	80754112	80754516	80754586	80758030	+
Tnrc6b	MmuEX0048393	chr15	80748527	80748941	80749036	80753888	+
Tnrc6b	MmuEX0048394	chr15	80541918	80577836	80577903	80589970	+
Tnrc6b	MmuEX0048395	chr15	80577903	80589970	80590060	80615169	+
Tnrc6c	MmuEX0048396	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048397	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048398	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048399	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048400	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048401	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+

Tnrc6c	MmuEX0048402	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048403	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048404	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048405	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tnrc6c	MmuEX0048406	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Tns1	MmuEX0048407	chr1	74048911	74050091	74050132	74062719	-
Tns1	MmuEX0048408	chr1	74043678	74048861	74048911	74050091	-
Tns1	MmuEX0048409	chr1	73988680	73993466	73993549	73998995	-
Tns1	MmuEX0048410	chr1	74062760	74115183	74115220	74125773	-
Tns1	MmuEX0048411	chr1	73964643	73966228	73966305	73967081	-
Tns1	MmuEX0048412	chr1	74050132	74062719	74062760	74115183	-
Tns1	MmuEX0048413	chr1	74000524	74002785	74002790	74027488	-
Tns1	MmuEX0048414	chr1	73961248	73963013	73963045	73963440	-
Tns1	MmuEX0048415	chr1	74038796	74039737	74039787	74041775	-
Tns1	MmuEX0048416	chr1	73983891	73988484	73988680	73998995	-
Tns1	MmuEX0048417	chr1	73983891	73987552	73987627	73998995	-
Tns1	MmuEX0048418	chr1	73974684	73983799	73983891	73998995	-
Tns1	MmuEX0048419	chr1	73974684	73982906	73982929	73983799	-
Tns1	MmuEX0048420	chr1	73974684	73982472	73982510	73983799	-
Tns3	MmuEX0048421	chr11	8445354	8447274	8447324	8448935	-
Tns3	MmuEX0048422	chr11	8441234	8445232	8445354	8447274	-
Tns3	MmuEX0048423	chr11	8431767	8432400	8432512	8438006	-
Tns3	MmuEX0048424	chr11	8418306	8419126	8419191	8419444	-
Tns3	MmuEX0048425	chr11	8353253	8378228	8378308	8378396	-
Tns3	MmuEX0048426	chr11	8344015	8344949	8345026	8345649	-
Tns3	MmuEX0048427	chr11	8335917	8337107	8337275	8343938	-
Tns3	MmuEX0048429	chr11	8393340	8418202	8418306	8419126	-
Tns3	MmuEX0048430	chr11	8334641	8335849	8335917	8337107	-
Tns3	MmuEX0048431	chr11	8334641	8335719	8335745	8337107	-
Tns3	MmuEX0048433	chr11	8449724	8479086	8479124	8500558	-
Tnxb	MmuEX0048437	chr17	34852936	34853246	34853581	34853831	+
Tnxb	MmuEX0048439	chr17	34850142	34850457	34850735	34851535	+
Tnxb	MmuEX0048440	chr17	34835334	34835817	34836158	34849855	+
Tnxb	MmuEX0048441	chr17	34836158	34840259	34840585	34849855	+
Tnxb	MmuEX0048450	chr17	34831401	34832330	34832650	34849855	+
Toe1	MmuEX0048452	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Toe1	MmuEX0048453	chr4	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Tollip	MmuEX0048454	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tom1	MmuEX0048455	chr8	77557726	77571892	77571976	77575407	+
Tom1	MmuEX0048456	chr8	77557726	77574089	77574167	77575822	+
Tom1	MmuEX0048457	chr8	77557726	77575407	77575538	77575822	+
Tom1	MmuEX0048458	chr8	77575556	77575822	77575956	77576049	+
Tom1	MmuEX0048459	chr8	77557726	77576049	77576195	77578476	+
Tom1l1	MmuEX0048460	chr11	90517764	90519028	90519145	90519462	-
Tom1l1	MmuEX0048461	chr11	90519522	90523070	90523203	90532398	-
Tom1l1	MmuEX0048462	chr11	90532514	90534147	90534251	90534978	-
Tom1l2	MmuEX0048463	chr11	60093785	60112483	60112621	60166259	-

Tom1l2	MmuEX0048464	chr11	60088504	60093701	60093785	60166259	-
Tom1l2	MmuEX0048465	chr11	60043743	60044603	60044639	60046400	-
Tom1l2	MmuEX0048466	chr11	60062566	60069433	60069560	60072358	-
Tom1l2	MmuEX0048467	chr11	60059186	60062433	60062566	60072358	-
Tom1l2	MmuEX0048468	chr11	60046459	60052512	60052574	60055320	-
Tom1l2	MmuEX0048469	chr11	60044639	60046400	60046459	60055320	-
Tom1l2	MmuEX0048470	chr11	60076285	60088426	60088504	60093701	-
Tom1l2	MmuEX0048471	chr11	60076285	60083820	60083969	60093701	-
Tom1l2	MmuEX0048472	chr11	60072474	60076151	60076285	60083820	-
Tom1l2	MmuEX0048473	chr11	60072474	60074557	60074715	60076151	-
Tomm34	MmuEX0048477	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	-
Tomm40	MmuEX0048478	chr7	20296368	20299018	20299110	20299642	-
Tomm40l	MmuEX0048479	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Tomm40l	MmuEX0048480	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Tomm40l	MmuEX0048481	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Tomm40l	MmuEX0048482	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Tomm5	MmuEX0048483	chr4	45118516	45119711	45119760	45120789	-
Tomm5	MmuEX0048484	chr4	45119760	45120421	45120502	45120785	-
Tomm70a	MmuEX0048485	chr16	57136920	57138143	57138291	57140692	+
Top1	MmuEX0048490	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Top1	MmuEX0048491	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Top1	MmuEX0048492	chr2	1.6E+08	1.61E+08	1.61E+08	1.61E+08	+
Top1	MmuEX0048493	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Top1	MmuEX0048494	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	+
Top1mt	MmuEX0048495	chr15	75504843	75506449	75506561	75509083	-
Top1mt	MmuEX0048496	chr15	75496810	75497415	75497626	75497850	-
Top1mt	MmuEX0048497	chr15	75500614	75504722	75504843	75506449	-
Top1mt	MmuEX0048498	chr15	75498035	75500492	75500614	75506449	-
Top1mt	MmuEX0048499	chr15	75498035	75499717	75499901	75506449	-
Top1mt	MmuEX0048500	chr15	75498035	75499056	75499200	75506449	-
Top1mt	MmuEX0048501	chr15	75496131	75498252	75498395	75499056	-
Top1mt	MmuEX0048502	chr15	75496131	75497850	75498035	75498252	-
Top1mt	MmuEX0048503	chr15	75496131	75496683	75496751	75497850	-
Top2a	MmuEX0048506	chr11	98864383	98864821	98865021	98865140	-
Top2a	MmuEX0048507	chr11	98862755	98864188	98864383	98864821	-
Top2b	MmuEX0048508	chr14	17215731	17216971	17217061	17218605	+
Top2b	MmuEX0048509	chr14	17230435	17231121	17231278	17231423	+
Top2b	MmuEX0048510	chr14	17228022	17228106	17228243	17230297	+
Top2b	MmuEX0048511	chr14	17246270	17246416	17246507	17249071	+
Top3a	MmuEX0048512	chr11	60565867	60567389	60567463	60569446	-
Top3a	MmuEX0048513	chr11	60563091	60564078	60564285	60565785	-
Top3a	MmuEX0048514	chr11	60576043	60576868	60576927	60590424	-
Top3b	MmuEX0048515	chr16	16889704	16890205	16890354	16890675	+
Top3b	MmuEX0048516	chr16	16890775	16891448	16891649	16892508	+
Top3b	MmuEX0048517	chr16	16871148	16875165	16875248	16877925	+
Top3b	MmuEX0048518	chr16	16886018	16886698	16886852	16886973	+
Top3b	MmuEX0048519	chr16	16891649	16892209	16892244	16892508	+

Top3b	MmuEX0048520	chr16	16880771	16882594	16882790	16885928	+
Top3b	MmuEX0048521	chr16	16882790	16883500	16883656	16885928	+
Top3b	MmuEX0048522	chr16	16883656	16884332	16884445	16885928	+
Topbp1	MmuEX0048523	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Topbp1	MmuEX0048524	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Topbp1	MmuEX0048525	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Topbp1	MmuEX0048527	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Topbp1	MmuEX0048528	chr9	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Topors	MmuEX0048529	chr4	40210114	40215337	40215534	40216707	-
Tor1a	MmuEX0048530	chr2	30819122	30819214	30819389	30822610	-
Tor1aip1	MmuEX0048531	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tor1aip1	MmuEX0048532	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tor1aip1	MmuEX0048533	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tor1aip2	MmuEX0048534	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Tor1aip2	MmuEX0048535	chr1	1.58E+08	1.58E+08	1.58E+08	1.58E+08	+
Tor2a	MmuEX0048536	chr2	32614456	32615050	32615222	32616109	+
Tor3a	MmuEX0048537	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Tor3a	MmuEX0048538	chr1	1.59E+08	1.59E+08	1.59E+08	1.59E+08	-
Tox2	MmuEX0048543	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Tox3	MmuEX0048544	chr8	92794382	92798531	92798593	92871762	-
Tpcn1	MmuEX0048546	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn1	MmuEX0048547	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn1	MmuEX0048548	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn1	MmuEX0048549	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn1	MmuEX0048550	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn1	MmuEX0048551	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn1	MmuEX0048552	chr5	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Tpcn2	MmuEX0048554	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048555	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048557	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048561	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048562	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048563	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048564	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048565	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048566	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048567	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048568	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048569	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpcn2	MmuEX0048570	chr7	1.52E+08	1.52E+08	1.52E+08	1.52E+08	-
Tpd52	MmuEX0048571	chr3	8936480	8943551	8943577	8944611	-
Tpd52	MmuEX0048572	chr3	8935040	8936439	8936480	8944611	-
Tpd52	MmuEX0048573	chr3	8931174	8934992	8935040	8944611	-
Tpd52l1	MmuEX0048574	chr10	31077826	31099021	31099136	31165518	-
Tpd52l1	MmuEX0048575	chr10	31052788	31062818	31062832	31066414	-
Tpd52l1	MmuEX0048576	chr10	31052788	31060946	31060984	31066414	-
Tpd52l1	MmuEX0048577	chr10	31052788	31057991	31058051	31066414	-

Tpd52l2	MmuEX0048578	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tpd52l2	MmuEX0048579	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tpd52l2	MmuEX0048580	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tpd52l2	MmuEX0048581	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tpd52l2	MmuEX0048582	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tpd52l2	MmuEX0048583	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Tpk1	MmuEX0048588	chr6	43419147	43438874	43438969	43473883	-
Tpk1	MmuEX0048589	chr6	43296899	43373620	43373731	43419001	-
Tpk1	MmuEX0048590	chr6	43510011	43561313	43561384	43615759	-
Tpk1	MmuEX0048591	chr6	43373731	43419001	43419147	43438874	-
Tpk1	MmuEX0048592	chr6	43473955	43509942	43510011	43561313	-
Tpk1	MmuEX0048593	chr6	43438969	43473883	43473955	43509942	-
Tpm1	MmuEX0048594	chr9	66883935	66895593	66895718	66896826	-
Tpm1	MmuEX0048595	chr9	66895718	66895931	66896056	66896826	-
Tpm1	MmuEX0048596	chr9	66875974	66877471	66877549	66878836	-
Tpm1	MmuEX0048597	chr9	66879321	66880273	66880348	66880601	-
Tpm1	MmuEX0048598	chr9	66879321	66879758	66879833	66880601	-
Tpm2	MmuEX0048599	chr4	43531336	43531875	43531950	43532099	-
Tpm2	MmuEX0048600	chr4	43531336	43531516	43531591	43532099	-
Tpm3	MmuEX0048601	chr3	89894001	89894935	89895013	89895853	+
Tpm3	MmuEX0048602	chr3	89891494	89891596	89891666	89904382	+
Tpm3	MmuEX0048603	chr3	89891494	89892323	89892398	89893719	+
Tpm3	MmuEX0048604	chr3	89891666	89892970	89893045	89893719	+
Tpm3	MmuEX0048605	chr3	89891494	89893719	89893781	89904382	+
Tpm3	MmuEX0048606	chr3	89891494	89893936	89894001	89904382	+
Tpmt	MmuEX0048607	chr13	47124336	47127787	47127861	47130390	-
Tpmt	MmuEX0048608	chr13	47118092	47119842	47120741	47122621	-
Tpmt	MmuEX0048609	chr13	47122665	47124251	47124336	47127787	-
Tpmt	MmuEX0048610	chr13	47131396	47133149	47133249	47135473	-
Tpp1	MmuEX0048613	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tpp1	MmuEX0048614	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tpp1	MmuEX0048615	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Tpp2	MmuEX0048616	chr1	43991098	43993554	43993701	43996955	+
Tpp2	MmuEX0048617	chr1	43997083	44006157	44006252	44007952	+
Tpp2	MmuEX0048618	chr1	44034206	44035258	44035374	44035580	+
Tpp2	MmuEX0048619	chr1	44035374	44035580	44035680	44037153	+
Tpp2	MmuEX0048620	chr1	44037249	44037386	44037595	44038575	+
Tpp2	MmuEX0048621	chr1	44037249	44038575	44038712	44039917	+
Tpp2	MmuEX0048622	chr1	44040161	44040359	44040437	44042261	+
Tpp2	MmuEX0048623	chr1	44040437	44041042	44041160	44042261	+
Tpp2	MmuEX0048624	chr1	44010226	44011422	44011585	44013316	+
Tpp2	MmuEX0048625	chr1	44040437	44042261	44042299	44047356	+
Tppp	MmuEX0048628	chr13	74158898	74168198	74168351	74168669	+
Tppp3	MmuEX0048630	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Tpr	MmuEX0048631	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tpr	MmuEX0048632	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tpr	MmuEX0048633	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+

Tpr	MmuEX0048634	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tpr	MmuEX0048635	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tpr	MmuEX0048636	chr1	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Tpra1	MmuEX0048637	chr6	88860644	88860791	88860871	88861677	+
Tpra1	MmuEX0048638	chr6	88858310	88859284	88859370	88859502	+
Tpra1	MmuEX0048639	chr6	88856072	88856535	88856706	88857935	+
Tpra1	MmuEX0048640	chr6	88856072	88857570	88857820	88857935	+
Tpra1	MmuEX0048641	chr6	88856072	88857935	88858066	88859284	+
Tpra1	MmuEX0048642	chr6	88858066	88858245	88858310	88859284	+
Tpra1	MmuEX0048643	chr6	88859754	88860145	88860255	88860335	+
Tpra1	MmuEX0048644	chr6	88860395	88860542	88860644	88860791	+
Tprgl	MmuEX0048645	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
Tprkb	MmuEX0048646	chr6	85865784	85865792	85866101	85869911	+
Tprkb	MmuEX0048647	chr6	85865784	85869911	85870018	85871417	+
Tprkb	MmuEX0048648	chr6	85871505	85873127	85873210	85874354	+
Tpst1	MmuEX0048654	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tpst1	MmuEX0048655	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tpst2	MmuEX0048656	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tpst2	MmuEX0048657	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tpst2	MmuEX0048658	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tpst2	MmuEX0048659	chr5	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Tpt1	MmuEX0048660	chr14	76246606	76247079	76247165	76247906	+
Tra2a	MmuEX0048667	chr6	49203107	49213499	49213579	49213837	-
Tra2a	MmuEX0048668	chr6	49202514	49202807	49203107	49213837	-
Tra2b	MmuEX0048669	chr16	22255190	22259059	22259334	22265814	-
Tra2b	MmuEX0048670	chr16	22255190	22258237	22258301	22258938	-
Tra2b	MmuEX0048671	chr16	22249206	22255057	22255190	22265814	-
Tra2b	MmuEX0048674	chr16	22249206	22250938	22251053	22265814	-
Trabd	MmuEX0048675	chr15	88906571	88911410	88911474	88911783	+
Trabd	MmuEX0048676	chr15	88906571	88907114	88907128	88911410	+
Trabd	MmuEX0048677	chr15	88911474	88911783	88911861	88912381	+
Trabd	MmuEX0048678	chr15	88915238	88915333	88915472	88915704	+
Tradd	MmuEX0048679	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Tradd	MmuEX0048680	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Traf2	MmuEX0048686	chr2	25385968	25388792	25388849	25392196	-
Traf2	MmuEX0048687	chr2	25380668	25382994	25383068	25383752	-
Traf2	MmuEX0048688	chr2	25385968	25394386	25394604	25402382	-
Traf2	MmuEX0048689	chr2	25385968	25392591	25392669	25394365	-
Traf2	MmuEX0048690	chr2	25385968	25392196	25392294	25392591	-
Traf3	MmuEX0048691	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048692	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048693	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048694	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048695	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048696	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048697	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Traf3	MmuEX0048698	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+

Traf3ip1	MmuEX0048699	chr1	93416239	93416633	93416716	93417461	+
Traf3ip1	MmuEX0048700	chr1	93419484	93422456	93422679	93424195	+
Traf3ip1	MmuEX0048701	chr1	93422679	93422995	93423094	93424195	+
Traf3ip1	MmuEX0048704	chr1	93404145	93414871	93414891	93416155	+
Traf3ip1	MmuEX0048705	chr1	93391465	93394530	93394598	93404070	+
Traf3ip1	MmuEX0048706	chr1	93391465	93396079	93396240	93404070	+
Traf3ip1	MmuEX0048707	chr1	93391465	93397350	93397487	93404070	+
Traf3ip1	MmuEX0048708	chr1	93391465	93397582	93398001	93404070	+
Traf3ip1	MmuEX0048709	chr1	93398001	93402000	93402071	93404070	+
Traf3ip2	MmuEX0048710	chr10	39333152	39345120	39345399	39345656	+
Traf3ip2	MmuEX0048711	chr10	39333152	39345656	39346465	39354341	+
Traf3ip2	MmuEX0048712	chr10	39366771	39370712	39370786	39374189	+
Traf3ip2	MmuEX0048713	chr10	39346465	39353498	39353567	39354341	+
Traf3ip2	MmuEX0048714	chr10	39354530	39355735	39355987	39359026	+
Traf3ip2	MmuEX0048715	chr10	39361200	39365514	39365582	39366655	+
Traf4	MmuEX0048722	chr11	77974696	77974789	77974950	77975020	-
Traf4	MmuEX0048723	chr11	77974450	77974535	77974696	77974789	-
Traf6	MmuEX0048724	chr2	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Traf6	MmuEX0048725	chr2	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Traf6	MmuEX0048726	chr2	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Traf7	MmuEX0048727	chr17	24647643	24648260	24648342	24648517	-
Traf7	MmuEX0048728	chr17	24647517	24647604	24647643	24648260	-
Traf7	MmuEX0048729	chr17	24647020	24647194	24647316	24647401	-
Traf7	MmuEX0048730	chr17	24651811	24653450	24653541	24655687	-
Traf7	MmuEX0048731	chr17	24651162	24651658	24651774	24653450	-
Trafd1	MmuEX0048732	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Trafd1	MmuEX0048733	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Trafd1	MmuEX0048734	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Trafd1	MmuEX0048735	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Trafd1	MmuEX0048736	chr5	1.22E+08	1.22E+08	1.22E+08	1.22E+08	-
Trak1	MmuEX0048742	chr9	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Trak1	MmuEX0048743	chr9	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Trak1	MmuEX0048744	chr9	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Trak1	MmuEX0048745	chr9	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Trak1	MmuEX0048746	chr9	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Trak1	MmuEX0048747	chr9	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Trak2	MmuEX0048748	chr1	58978733	58979448	58979526	58980366	-
Trak2	MmuEX0048749	chr1	58961026	58963550	58963655	58965367	-
Trak2	MmuEX0048750	chr1	58983571	58992590	58992784	59003091	-
Tram1	MmuEX0048751	chr1	13561988	13562085	13562155	13566449	-
Tram1	MmuEX0048752	chr1	13569647	13569771	13569892	13571104	-
Tram2	MmuEX0048753	chr1	21002990	21003483	21003592	21027478	-
Tram2	MmuEX0048754	chr1	20991716	20993051	20993214	20993919	-
Tram2	MmuEX0048755	chr1	20995718	20996231	20996315	20996934	-
Tram2	MmuEX0048756	chr1	20994062	20994307	20994411	20995648	-
Tram2	MmuEX0048757	chr1	21003592	21027478	21027541	21069075	-
Trap1	MmuEX0048761	chr16	4046065	4049351	4049498	4052865	-

Trap1	MmuEX0048762	chr16	4054909	4060757	4060917	4062330	-
Trap1	MmuEX0048763	chr16	4054909	4056330	4056439	4060757	-
Trap1	MmuEX0048764	chr16	4054909	4055797	4055870	4056330	-
Trappc1	MmuEX0048765	chr11	69137967	69138326	69138464	69138941	+
Trappc10	MmuEX0048766	chr10	77670777	77671816	77671899	77672129	-
Trappc10	MmuEX0048767	chr10	77665766	77666626	77667137	77670179	-
Trappc10	MmuEX0048768	chr10	77685605	77691524	77691659	77694199	-
Trappc10	MmuEX0048769	chr10	77672220	77673123	77673199	77673509	-
Trappc10	MmuEX0048770	chr10	77656281	77659033	77659203	77660483	-
Trappc10	MmuEX0048771	chr10	77673623	77674221	77674367	77677313	-
Trappc10	MmuEX0048772	chr10	77683129	77685409	77685605	77691524	-
Trappc4	MmuEX0048773	chr9	44212181	44212417	44212543	44213326	-
Trappc4	MmuEX0048774	chr9	44212543	44213326	44213429	44214887	-
Trappc6a	MmuEX0048775	chr7	20094181	20099550	20099617	20099771	+
Trappc6a	MmuEX0048776	chr7	20099888	20100374	20100439	20100553	+
Trappc6b	MmuEX0048777	chr12	60149193	60151255	60151372	60152628	-
Trappc6b	MmuEX0048778	chr12	60151372	60152628	60152695	60162143	-
Trappc8	MmuEX0048779	chr18	21033205	21043564	21043758	21054412	-
Trappc8	MmuEX0048780	chr18	21032558	21033116	21033205	21043564	-
Trappc8	MmuEX0048781	chr18	21005080	21005619	21005813	21009399	-
Trappc8	MmuEX0048782	chr18	21002751	21004079	21004153	21004950	-
Trappc8	MmuEX0048783	chr18	20983569	20986970	20987149	20989951	-
Trappc8	MmuEX0048784	chr18	21024707	21026261	21026354	21029100	-
Trappc8	MmuEX0048785	chr18	21000183	21002625	21002751	21004079	-
Trappc8	MmuEX0048786	chr18	20979524	20983468	20983569	20986943	-
Trappc8	MmuEX0048787	chr18	20977814	20979379	20979524	20983468	-
Trappc8	MmuEX0048788	chr18	21013577	21018934	21019039	21021396	-
Trappc8	MmuEX0048789	chr18	21013577	21014322	21014339	21018934	-
Trappc8	MmuEX0048790	chr18	21011355	21013446	21013577	21018934	-
Trappc9	MmuEX0048791	chr15	72794116	72830402	72830545	72843236	-
Trappc9	MmuEX0048792	chr15	72779305	72783404	72783549	72793990	-
Trappc9	MmuEX0048793	chr15	72421269	72427422	72427607	72515713	-
Trappc9	MmuEX0048794	chr15	72862073	72881025	72881153	72882592	-
Trappc9	MmuEX0048795	chr15	72783549	72793990	72794116	72830402	-
Trappc9	MmuEX0048796	chr15	72862073	72872607	72872633	72881025	-
Trdmt1	MmuEX0048799	chr2	13442973	13443705	13443774	13444451	-
Trdmt1	MmuEX0048800	chr2	13437771	13438286	13438343	13441383	-
Trdmt1	MmuEX0048801	chr2	13433317	13437642	13437771	13441383	-
Trdmt1	MmuEX0048802	chr2	13447321	13455011	13455120	13466196	-
Trdmt1	MmuEX0048803	chr2	13445124	13446578	13446624	13447245	-
Trdn	MmuEX0048804	chr10	32976943	32977893	32977946	32989471	+
Trdn	MmuEX0048805	chr10	32977946	33024843	33024896	33041111	+
Trdn	MmuEX0048806	chr10	32876980	32878052	32878084	32895575	+
Trdn	MmuEX0048807	chr10	32878084	32895575	32895634	32903760	+
Trdn	MmuEX0048808	chr10	32915931	32919969	32920028	32953661	+
Trdn	MmuEX0048809	chr10	33057345	33062882	33062929	33083784	+
Trem2	MmuEX0048813	chr17	48485920	48487782	48488132	48490426	+

Trib1	MmuEX0048835	chr15	59481077	59483034	59483326	59485791	+
Trib2	MmuEX0048836	chr12	15800882	15816502	15816794	15822037	-
Trib2	MmuEX0048837	chr12	15800882	15810933	15810965	15816502	-
Trim11	MmuEX0048840	chr11	58792146	58793699	58793801	58794743	+
Trim11	MmuEX0048841	chr11	58792146	58794743	58794838	58795495	+
Trim11	MmuEX0048842	chr11	58802431	58802738	58803226	58803677	+
Trim11	MmuEX0048843	chr11	58795725	58800473	58800556	58801135	+
Trim11	MmuEX0048844	chr11	58795725	58796231	58796302	58802227	+
Trim11	MmuEX0048845	chr11	58795725	58799481	58799536	58802227	+
Trim11	MmuEX0048846	chr11	58795725	58801135	58801182	58802227	+
Trim11	MmuEX0048847	chr11	58795725	58802227	58802249	58803438	+
Trim11	MmuEX0048848	chr11	58802249	58802338	58802431	58803438	+
Trim12a	MmuEX0048849	chr7	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Trim12a	MmuEX0048850	chr7	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Trim14	MmuEX0048851	chr4	46523401	46534854	46535016	46536378	-
Trim16	MmuEX0048854	chr11	62634501	62642605	62642700	62647481	+
Trim2	MmuEX0048858	chr3	83982100	83994435	83995158	83996003	-
Trim21	MmuEX0048859	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Trim21	MmuEX0048860	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Trim23	MmuEX0048861	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Trim23	MmuEX0048862	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Trim23	MmuEX0048863	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Trim23	MmuEX0048864	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Trim23	MmuEX0048865	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Trim23	MmuEX0048866	chr13	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Trim24	MmuEX0048867	chr6	37881500	37893413	37893530	37895521	+
Trim24	MmuEX0048868	chr6	37893530	37898433	37898526	37899320	+
Trim24	MmuEX0048869	chr6	37893530	37895521	37895789	37899222	+
Trim24	MmuEX0048870	chr6	37858364	37865165	37865297	37869374	+
Trim24	MmuEX0048871	chr6	37865297	37869374	37869490	37877526	+
Trim24	MmuEX0048872	chr6	37853651	37858217	37858364	37865165	+
Trim24	MmuEX0048873	chr6	37906475	37907004	37907172	37907509	+
Trim24	MmuEX0048874	chr6	37910855	37914703	37914852	37915501	+
Trim24	MmuEX0048875	chr6	37869490	37877526	37877640	37881354	+
Trim24	MmuEX0048876	chr6	37877640	37881354	37881500	37893413	+
Trim25	MmuEX0048877	chr11	88861396	88866043	88866138	88870433	+
Trim25	MmuEX0048878	chr11	88876504	88876847	88876945	88877033	+
Trim26	MmuEX0048879	chr17	36974228	36974442	36974517	36987601	+
Trim26	MmuEX0048880	chr17	36989638	36991229	36991246	36993147	+
Trim26	MmuEX0048881	chr17	36993966	36994345	36994508	36996084	+
Trim27	MmuEX0048882	chr13	21281993	21282462	21282555	21283089	+
Trim3	MmuEX0048883	chr7	1.13E+08	1.13E+08	1.13E+08	1.13E+08	-
Trim30a	MmuEX0048884	chr7	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Trim30a	MmuEX0048885	chr7	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Trim30a	MmuEX0048886	chr7	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Trim30a	MmuEX0048887	chr7	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-
Trim30d	MmuEX0048890	chr7	1.12E+08	1.12E+08	1.12E+08	1.12E+08	-

Trim33	MmuEX0048892	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048893	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048894	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048895	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048896	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048897	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048898	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim33	MmuEX0048899	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Trim37	MmuEX0048904	chr11	86940996	86943218	86943319	86951092	+
Trim37	MmuEX0048905	chr11	86962865	86973323	86973447	86977321	+
Trim37	MmuEX0048906	chr11	86962865	86963195	86963311	86973323	+
Trim37	MmuEX0048907	chr11	86998604	86999881	87000017	87003576	+
Trim37	MmuEX0048908	chr11	86956716	86958966	86959088	86960436	+
Trim37	MmuEX0048909	chr11	86943319	86951092	86951132	86953987	+
Trim37	MmuEX0048910	chr11	86954103	86956629	86956716	86958966	+
Trim37	MmuEX0048911	chr11	87010517	87014820	87015128	87019435	+
Trim37	MmuEX0048912	chr11	87015128	87019435	87019557	87020266	+
Trim39	MmuEX0048914	chr17	36400904	36403767	36403986	36404070	-
Trim39	MmuEX0048915	chr17	36404165	36404647	36404937	36405554	-
Trim41	MmuEX0048918	chr11	48622782	48625802	48625897	48629345	-
Trim41	MmuEX0048919	chr11	48621989	48622552	48622782	48625802	-
Trim41	MmuEX0048920	chr11	48621859	48621967	48621989	48622552	-
Trim41	MmuEX0048921	chr11	48621348	48621627	48621754	48621967	-
Trim44	MmuEX0048922	chr2	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Trim45	MmuEX0048923	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Trim45	MmuEX0048924	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Trim45	MmuEX0048925	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Trim46	MmuEX0048929	chr3	89043446	89046089	89046184	89046297	-
Trim54	MmuEX0048931	chr5	31434532	31436423	31436518	31438416	+
Trim54	MmuEX0048932	chr5	31438649	31439126	31439148	31439261	+
Trim55	MmuEX0048933	chr3	19559293	19561785	19561880	19570924	+
Trim55	MmuEX0048934	chr3	19572997	19574254	19574541	19591477	+
Trim55	MmuEX0048935	chr3	19574541	19575760	19575847	19591477	+
Trim63	MmuEX0048938	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Trim63	MmuEX0048939	chr4	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Trim68	MmuEX0048944	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Trim68	MmuEX0048945	chr7	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Trim72	MmuEX0048948	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Trim8	MmuEX0048949	chr19	46577503	46581298	46581418	46587213	+
Trio	MmuEX0048959	chr15	27842489	27848972	27849046	27955095	-
Trio	MmuEX0048960	chr15	27777234	27778688	27778807	27780748	-
Trio	MmuEX0048961	chr15	27776614	27777043	27777234	27778688	-
Trio	MmuEX0048962	chr15	27762911	27768536	27768658	27771482	-
Trio	MmuEX0048963	chr15	27758113	27759898	27759987	27760467	-
Trio	MmuEX0048964	chr15	27753926	27755418	27755529	27758021	-
Trio	MmuEX0048965	chr15	27835086	27842375	27842489	27848972	-
Trio	MmuEX0048966	chr15	27684985	27686221	27686310	27688095	-

Trio	MmuEX0048967	chr15	27832765	27834894	27835086	27842375	-
Trio	MmuEX0048968	chr15	27663399	27663489	27663650	27665134	-
Trio	MmuEX0048969	chr15	27662785	27663261	27663399	27665134	-
Triobp	MmuEX0048972	chr15	78821504	78821759	78821868	78823334	+
Triobp	MmuEX0048973	chr15	78832637	78832715	78832828	78834136	+
Triobp	MmuEX0048975	chr15	78824582	78824728	78824784	78830227	+
Trip10	MmuEX0048978	chr17	57396767	57399639	57399665	57400713	+
Trip10	MmuEX0048979	chr17	57394890	57396283	57396450	57396658	+
Trip10	MmuEX0048980	chr17	57388994	57390165	57390280	57392685	+
Trip10	MmuEX0048981	chr17	57390280	57390378	57390434	57392685	+
Trip11	MmuEX0048982	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048983	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048984	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048985	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048986	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048987	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048988	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip11	MmuEX0048989	chr12	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Trip12	MmuEX0048990	chr1	84792390	84805532	84805607	84811398	-
Trip12	MmuEX0048991	chr1	84790902	84792265	84792390	84811398	-
Trip12	MmuEX0048992	chr1	84765306	84769692	84769775	84772892	-
Trip12	MmuEX0048993	chr1	84751053	84753992	84754110	84754297	-
Trip12	MmuEX0048994	chr1	84735409	84736089	84736231	84738762	-
Trip12	MmuEX0048995	chr1	84811544	84829900	84829997	84835186	-
Trip12	MmuEX0048996	chr1	84772987	84773999	84774082	84779402	-
Trip12	MmuEX0048997	chr1	84722891	84724700	84724864	84727107	-
Trip12	MmuEX0048998	chr1	84782771	84790100	84790902	84811398	-
Trip4	MmuEX0049003	chr9	65712226	65713694	65713805	65714279	-
Trip4	MmuEX0049004	chr9	65681255	65686742	65686844	65699174	-
Trip4	MmuEX0049005	chr9	65699265	65700633	65700757	65705131	-
Trip4	MmuEX0049006	chr9	65705318	65706053	65706179	65712011	-
Trip4	MmuEX0049007	chr9	65720984	65722638	65722850	65726882	-
Trip6	MmuEX0049010	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Trip6	MmuEX0049011	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Trip6	MmuEX0049012	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Trip6	MmuEX0049013	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Trip6	MmuEX0049014	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Trip6	MmuEX0049015	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	-
Trit1	MmuEX0049016	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049017	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049018	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049019	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049020	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049021	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049022	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trit1	MmuEX0049023	chr4	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Trmt1	MmuEX0049024	chr8	87223157	87223240	87223369	87223502	+

Trmt1	MmuEX0049025	chr8	87213807	87214416	87214471	87214672	+
Trmt1	MmuEX0049026	chr8	87215338	87219121	87219223	87219327	+
Trmt11	MmuEX0049027	chr10	30317611	30319180	30319400	30320396	-
Trmt11	MmuEX0049028	chr10	30267583	30278725	30278856	30278970	-
Trmt11	MmuEX0049029	chr10	30255050	30267463	30267583	30278725	-
Trmt11	MmuEX0049030	chr10	30313994	30315391	30315440	30317546	-
Trmt11	MmuEX0049031	chr10	30286312	30307245	30307401	30309831	-
Trmt11	MmuEX0049032	chr10	30286312	30287567	30287677	30307245	-
Trmt11	MmuEX0049033	chr10	30280788	30286232	30286312	30307245	-
Trmt11	MmuEX0049034	chr10	30310741	30313921	30313994	30317546	-
Trmt11	MmuEX0049035	chr10	30310741	30310827	30310908	30313921	-
Trmt2a	MmuEX0049036	chr16	18250655	18250913	18251094	18251249	+
Trmt2a	MmuEX0049037	chr16	18251567	18251642	18251753	18252219	+
Trmt2a	MmuEX0049038	chr16	18251753	18252219	18252341	18252495	+
Trmt2a	MmuEX0049039	chr16	18251094	18251249	18251363	18251642	+
Trmt2a	MmuEX0049040	chr16	18251363	18251452	18251567	18251642	+
Trmt2a	MmuEX0049041	chr16	18252570	18252812	18252928	18253193	+
Trmt2a	MmuEX0049042	chr16	18252928	18253017	18253113	18253193	+
Trmt2b	MmuEX0049043	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt2b	MmuEX0049044	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt2b	MmuEX0049045	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt2b	MmuEX0049046	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt2b	MmuEX0049047	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt2b	MmuEX0049048	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt2b	MmuEX0049049	chrX	1.31E+08	1.31E+08	1.31E+08	1.31E+08	-
Trmt5	MmuEX0049050	chr12	74386262	74386891	74386962	74387671	-
Trmt5	MmuEX0049051	chr12	74381619	74381992	74382643	74383599	-
Trmt5	MmuEX0049052	chr12	74386262	74386366	74386439	74387671	-
Trmt6	MmuEX0049053	chr2	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Trmt61b	MmuEX0049054	chr17	71938324	71939828	71939862	71947276	-
Trmu	MmuEX0049055	chr15	85726934	85727265	85727347	85727455	+
Trmu	MmuEX0049056	chr15	85713269	85715066	85715343	85715516	+
Trmu	MmuEX0049057	chr15	85709888	85711208	85711273	85713104	+
Trmu	MmuEX0049058	chr15	85713269	85715516	85715622	85720635	+
Trmu	MmuEX0049059	chr15	85724450	85724608	85724713	85725356	+
Trmu	MmuEX0049060	chr15	85724450	85725356	85725456	85726790	+
Trnau1ap	MmuEX0049061	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnau1ap	MmuEX0049062	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnau1ap	MmuEX0049063	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnau1ap	MmuEX0049064	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnau1ap	MmuEX0049065	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnau1ap	MmuEX0049066	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnau1ap	MmuEX0049067	chr4	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Trnt1	MmuEX0049068	chr6	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Trp53	MmuEX0049075	chr11	69394017	69394556	69394967	69400393	+
Trp53bp1	MmuEX0049076	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049077	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-

Trp53bp1	MmuEX0049078	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049079	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049080	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049081	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049083	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049084	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049085	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049086	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049087	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049088	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049089	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049090	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53bp1	MmuEX0049091	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Trp53i11	MmuEX0049092	chr2	93027904	93029246	93029380	93037054	+
Trp53i11	MmuEX0049093	chr2	93027904	93037054	93037135	93037619	+
Trp53i13	MmuEX0049094	chr11	77326196	77326399	77326467	77326662	-
Trp53i13	MmuEX0049095	chr11	77323228	77326170	77326196	77326399	-
Trp53inp1	MmuEX0049096	chr4	11091716	11092237	11092594	11096857	+
Trp53inp1	MmuEX0049097	chr4	11092594	11095044	11095081	11096857	+
Trp53inp2	MmuEX0049098	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Trp53rk	MmuEX0049099	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	+
Trpc1	MmuEX0049104	chr9	95637340	95643616	95643770	95650087	-
Trpc1	MmuEX0049105	chr9	95632628	95637239	95637340	95643616	-
Trpc1	MmuEX0049106	chr9	95623709	95626844	95626975	95632426	-
Trpc1	MmuEX0049107	chr9	95618078	95620389	95620524	95621552	-
Trpc2	MmuEX0049109	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049110	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049111	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049112	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049113	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049114	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049115	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc2	MmuEX0049116	chr7	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Trpc3	MmuEX0049118	chr3	36539701	36543007	36543271	36548970	-
Trpc3	MmuEX0049119	chr3	36523342	36533297	36533380	36537334	-
Trpc4ap	MmuEX0049123	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Trpc4ap	MmuEX0049124	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Trpc4ap	MmuEX0049125	chr2	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Trpm4	MmuEX0049156	chr7	52583265	52588752	52588822	52589057	-
Trpm4	MmuEX0049157	chr7	52560237	52560318	52560450	52560659	-
Trpm4	MmuEX0049158	chr7	52560864	52563614	52563791	52563914	-
Trpm4	MmuEX0049159	chr7	52566069	52570351	52570463	52572145	-
Trpm4	MmuEX0049160	chr7	52566069	52569965	52570042	52572145	-
Trpm4	MmuEX0049161	chr7	52582822	52583091	52583265	52588752	-
Trpm4	MmuEX0049162	chr7	52582510	52582642	52582822	52588752	-
Trpm4	MmuEX0049163	chr7	52574724	52577691	52577752	52581933	-
Trpm4	MmuEX0049164	chr7	52574724	52577369	52577560	52581933	-

Trpm4	MmuEX0049165	chr7	52574724	52577158	52577257	52581933	-
Trpm4	MmuEX0049166	chr7	52574050	52574612	52574724	52577158	-
Trpm7	MmuEX0049178	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049179	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049180	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049181	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049182	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049183	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049184	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049185	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049186	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049187	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049188	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049189	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049190	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049191	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpm7	MmuEX0049192	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Trpt1	MmuEX0049197	chr19	7071267	7072423	7072592	7072682	+
Trpt1	MmuEX0049198	chr19	7071267	7072682	7072856	7072999	+
Trpv2	MmuEX0049200	chr11	62394807	62396345	62396635	62397878	+
Trpv2	MmuEX0049202	chr11	62389627	62391805	62392097	62396345	+
Trpv2	MmuEX0049203	chr11	62389627	62394674	62394807	62396345	+
Trpv2	MmuEX0049205	chr11	62398176	62403665	62403820	62404409	+
Trpv2	MmuEX0049206	chr11	62398176	62404409	62404507	62407655	+
Trpv2	MmuEX0049207	chr11	62398176	62405728	62405798	62407655	+
Trpv2	MmuEX0049208	chr11	62405798	62406253	62406418	62407655	+
Trpv2	MmuEX0049209	chr11	62408753	62410412	62410539	62411736	+
Trpv4	MmuEX0049211	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	-
Trrap	MmuEX0049222	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049223	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049224	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049225	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049226	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049228	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049229	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049230	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049232	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049233	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049234	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049235	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049236	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049237	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trrap	MmuEX0049238	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Trub1	MmuEX0049241	chr19	57532678	57538860	57538915	57547189	+
Trub1	MmuEX0049242	chr19	57527686	57532580	57532678	57538860	+
Trub1	MmuEX0049243	chr19	57547270	57558071	57558143	57559563	+
Trub1	MmuEX0049244	chr19	57559702	57561755	57561811	57562499	+

Trub2	MmuEX0049245	chr2	29635415	29637284	29637339	29637640	-
Trub2	MmuEX0049246	chr2	29633476	29634252	29634388	29635343	-
Trub2	MmuEX0049247	chr2	29637721	29638832	29638893	29640473	-
Tsc1	MmuEX0049248	chr2	28496839	28504296	28504342	28507689	+
Tsc1	MmuEX0049249	chr2	28507751	28514125	28514310	28517102	+
Tsc1	MmuEX0049250	chr2	28514310	28517102	28517205	28517981	+
Tsc1	MmuEX0049251	chr2	28518133	28519020	28519164	28520528	+
Tsc1	MmuEX0049252	chr2	28496839	28507689	28507751	28514125	+
Tsc1	MmuEX0049253	chr2	28527662	28527913	28528024	28528302	+
Tsc2	MmuEX0049254	chr17	24762286	24763191	24763316	24763640	-
Tsc2	MmuEX0049255	chr17	24758108	24758572	24758709	24759470	-
Tsc2	MmuEX0049256	chr17	24756515	24757695	24757776	24758005	-
Tsc2	MmuEX0049257	chr17	24747516	24750136	24750258	24751297	-
Tsc2	MmuEX0049258	chr17	24739075	24739080	24739115	24740031	-
Tsc2	MmuEX0049259	chr17	24741603	24741773	24741937	24744382	-
Tsc2	MmuEX0049260	chr17	24739242	24740031	24740243	24741251	-
Tsc2	MmuEX0049261	chr17	24766924	24767858	24767944	24768890	-
Tsc2	MmuEX0049262	chr17	24734976	24735129	24735315	24735970	-
Tsc2	MmuEX0049263	chr17	24734082	24734150	24734228	24734837	-
Tsc2	MmuEX0049264	chr17	24763688	24764936	24765050	24765887	-
Tsc2	MmuEX0049265	chr17	24737410	24738334	24738402	24739039	-
Tsc2	MmuEX0049266	chr17	24741937	24743169	24743297	24744382	-
Tsc2	MmuEX0049267	chr17	24744746	24745040	24745133	24745889	-
Tsc2	MmuEX0049268	chr17	24752544	24755811	24755927	24756360	-
Tsc2	MmuEX0049269	chr17	24766031	24766814	24766924	24767858	-
Tsc22d1	MmuEX0049270	chr14	76818816	76838771	76838915	76905056	+
Tsc22d2	MmuEX0049271	chr3	58221535	58232150	58232221	58263253	+
Tsc22d2	MmuEX0049272	chr3	58221535	58241239	58241397	58263253	+
Tsc22d2	MmuEX0049273	chr3	58221535	58263253	58263304	58263930	+
Tsc22d3	MmuEX0049274	chrX	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Tsc22d3	MmuEX0049275	chrX	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Tsen2	MmuEX0049278	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tsen2	MmuEX0049279	chr6	1.15E+08	1.15E+08	1.16E+08	1.16E+08	+
Tsen2	MmuEX0049280	chr6	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tsen54	MmuEX0049282	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tsen54	MmuEX0049283	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Tsfm	MmuEX0049284	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Tsfm	MmuEX0049285	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Tsg101	MmuEX0049286	chr7	54147930	54158892	54158958	54162421	-
Tsg101	MmuEX0049287	chr7	54147930	54156397	54156488	54162421	-
Tsg101	MmuEX0049288	chr7	54166180	54168571	54168657	54168748	-
Tsga10	MmuEX0049289	chr1	37906291	37912090	37912218	37921868	-
Tsga10	MmuEX0049290	chr1	37892437	37897096	37897157	37897344	-
Tsga10	MmuEX0049292	chr1	37891182	37892103	37892180	37892267	-
Tsga10	MmuEX0049293	chr1	37899365	37906076	37906291	37912090	-
Tsga10	MmuEX0049294	chr1	37867872	37876370	37876485	37891031	-
Tsga10	MmuEX0049295	chr1	37867872	37872377	37872531	37891031	-

Tsga10	MmuEX0049298	chr1	37858750	37861474	37861584	37863782	-
Tsga14	MmuEX0049301	chr6	30617442	30621323	30621370	30630131	-
Tsn	MmuEX0049315	chr1	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Tspan12	MmuEX0049323	chr6	21785523	21786413	21786495	21801010	-
Tspan12	MmuEX0049324	chr6	21756313	21785388	21785523	21786413	-
Tspan12	MmuEX0049325	chr6	21722936	21745578	21745721	21749879	-
Tspan14	MmuEX0049326	chr14	41731969	41747477	41747574	41780065	-
Tspan14	MmuEX0049327	chr14	41730238	41731919	41731969	41747477	-
Tspan14	MmuEX0049328	chr14	41722993	41724402	41724446	41726651	-
Tspan14	MmuEX0049329	chr14	41721418	41722874	41722993	41724402	-
Tspan15	MmuEX0049330	chr10	61654332	61654787	61654895	61656615	-
Tspan15	MmuEX0049331	chr10	61651507	61652562	61652609	61654216	-
Tspan15	MmuEX0049332	chr10	61650910	61651391	61651507	61652562	-
Tspan17	MmuEX0049333	chr13	54891042	54893970	54894020	54894556	+
Tspan17	MmuEX0049334	chr13	54894020	54894101	54894247	54894556	+
Tspan17	MmuEX0049335	chr13	54896828	54897327	54897443	54897518	+
Tspan2	MmuEX0049338	chr3	1.03E+08	1.03E+08	1.03E+08	1.03E+08	+
Tspan3	MmuEX0049339	chr9	55993734	55994321	55994422	55994893	-
Tspan3	MmuEX0049340	chr9	55993379	55993582	55993734	55994321	-
Tspan3	MmuEX0049341	chr9	55984542	55993296	55993379	55993582	-
Tspan31	MmuEX0049342	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Tspan31	MmuEX0049343	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Tspan31	MmuEX0049344	chr10	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Tspan4	MmuEX0049354	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tspan4	MmuEX0049355	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tspan4	MmuEX0049356	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tspan4	MmuEX0049357	chr7	1.49E+08	1.49E+08	1.49E+08	1.49E+08	+
Tspan5	MmuEX0049358	chr3	1.38E+08	1.39E+08	1.39E+08	1.39E+08	+
Tspan5	MmuEX0049359	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tspan5	MmuEX0049362	chr3	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Tspan7	MmuEX0049363	chrX	10062364	10094418	10094562	10156441	+
Tspan7	MmuEX0049364	chrX	10162778	10167262	10167345	10172405	+
Tspan9	MmuEX0049368	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tspan9	MmuEX0049369	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tspan9	MmuEX0049370	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tspxl2	MmuEX0049374	chrX	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Tsr1	MmuEX0049375	chr11	74718818	74719393	74719525	74720837	+
Tsr1	MmuEX0049376	chr11	74717515	74718331	74718493	74718708	+
Tsr2	MmuEX0049377	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tsr2	MmuEX0049378	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tsr2	MmuEX0049379	chrX	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Tssc1	MmuEX0049380	chr12	29436869	29437285	29437397	29444935	+
Tssc1	MmuEX0049381	chr12	29436869	29444935	29445018	29451637	+
Tssc1	MmuEX0049382	chr12	29549699	29549822	29549889	29551786	+
Tssc1	MmuEX0049383	chr12	29445018	29451637	29451769	29513573	+
Tssc1	MmuEX0049384	chr12	29451769	29478720	29478801	29513573	+
Tssc1	MmuEX0049385	chr12	29513729	29532422	29532521	29547820	+

Tsta3	MmuEX0049390	chr15	75757525	75758859	75758942	75759322	-
Tstd2	MmuEX0049391	chr4	46145028	46148259	46148466	46151252	-
Tstd2	MmuEX0049392	chr4	46137897	46142099	46142219	46144715	-
Tstd2	MmuEX0049393	chr4	46133438	46136915	46137015	46137772	-
Tstd2	MmuEX0049394	chr4	46129955	46132015	46132153	46132713	-
Tstd2	MmuEX0049395	chr4	46145028	46146254	46146527	46148259	-
Ttbk2	MmuEX0049401	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ttbk2	MmuEX0049402	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ttbk2	MmuEX0049403	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ttbk2	MmuEX0049405	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ttc1	MmuEX0049406	chr11	43558949	43560654	43560738	43561195	-
Ttc12	MmuEX0049407	chr9	49254690	49256032	49256124	49261429	-
Ttc12	MmuEX0049408	chr9	49280648	49286823	49286920	49292775	-
Ttc12	MmuEX0049409	chr9	49253388	49253847	49253984	49254630	-
Ttc12	MmuEX0049410	chr9	49250041	49251207	49251308	49252773	-
Ttc12	MmuEX0049411	chr9	49246561	49248262	49248487	49249942	-
Ttc12	MmuEX0049412	chr9	49256124	49261429	49261597	49263966	-
Ttc12	MmuEX0049413	chr9	49266815	49268495	49268566	49274877	-
Ttc12	MmuEX0049414	chr9	49280648	49292775	49292847	49294251	-
Ttc13	MmuEX0049415	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049416	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049417	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049418	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049419	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049420	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049421	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049422	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049423	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049424	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049425	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049426	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc13	MmuEX0049427	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Ttc14	MmuEX0049428	chr3	33700002	33700113	33700312	33701781	+
Ttc14	MmuEX0049429	chr3	33702993	33703343	33703462	33703562	+
Ttc14	MmuEX0049430	chr3	33703462	33703562	33703684	33705738	+
Ttc14	MmuEX0049431	chr3	33699358	33699504	33699596	33699878	+
Ttc14	MmuEX0049432	chr3	33702126	33702372	33702527	33702922	+
Ttc14	MmuEX0049433	chr3	33706347	33706778	33706870	33707608	+
Ttc14	MmuEX0049434	chr3	33700312	33701781	33701865	33701997	+
Ttc15	MmuEX0049435	chr12	29396849	29405917	29406055	29407228	-
Ttc15	MmuEX0049436	chr12	29377459	29382009	29382107	29386401	-
Ttc15	MmuEX0049437	chr12	29407341	29414059	29414165	29415643	-
Ttc15	MmuEX0049438	chr12	29407341	29422598	29422714	29431164	-
Ttc15	MmuEX0049439	chr12	29388463	29396737	29396849	29405917	-
Ttc15	MmuEX0049440	chr12	29382107	29386401	29386474	29388391	-
Ttc17	MmuEX0049443	chr2	94212054	94214675	94214814	94215239	-
Ttc17	MmuEX0049444	chr2	94202934	94204423	94204588	94204731	-

Ttc17	MmuEX0049445	chr2	94202934	94203731	94203837	94204423	-
Ttc17	MmuEX0049446	chr2	94166975	94168094	94168642	94170675	-
Ttc17	MmuEX0049447	chr2	94226338	94243894	94243896	94246664	-
Ttc17	MmuEX0049448	chr2	94173209	94182784	94182954	94198908	-
Ttc17	MmuEX0049449	chr2	94142024	94145101	94145220	94163246	-
Ttc17	MmuEX0049450	chr2	94142024	94143702	94143845	94163246	-
Ttc19	MmuEX0049454	chr11	62097671	62098505	62098561	62099326	+
Ttc19	MmuEX0049455	chr11	62105720	62107704	62107850	62111187	+
Ttc19	MmuEX0049456	chr11	62097209	62097633	62097671	62098505	+
Ttc19	MmuEX0049457	chr11	62099387	62105626	62105720	62122544	+
Ttc19	MmuEX0049458	chr11	62126680	62129379	62129470	62141400	+
Ttc21b	MmuEX0049466	chr2	66085487	66087452	66087618	66089951	-
Ttc21b	MmuEX0049467	chr2	66022900	66024211	66024278	66026317	-
Ttc23	MmuEX0049470	chr7	74792731	74807213	74807412	74812049	+
Ttc23	MmuEX0049471	chr7	74854337	74856081	74856125	74856240	+
Ttc23	MmuEX0049472	chr7	74792731	74794030	74794244	74807213	+
Ttc23	MmuEX0049473	chr7	74823957	74843110	74843215	74854210	+
Ttc23	MmuEX0049474	chr7	74792731	74796809	74796857	74807213	+
Ttc23	MmuEX0049475	chr7	74792731	74812049	74812172	74823780	+
Ttc23	MmuEX0049476	chr7	74792731	74814584	74814734	74823780	+
Ttc23	MmuEX0049477	chr7	74792731	74814938	74815063	74823780	+
Ttc23	MmuEX0049478	chr7	74792731	74823780	74823957	74843110	+
Ttc23	MmuEX0049479	chr7	74823957	74824114	74824206	74843110	+
Ttc27	MmuEX0049490	chr17	75118151	75120861	75120990	75123958	+
Ttc27	MmuEX0049491	chr17	75180245	75198524	75198751	75228832	+
Ttc27	MmuEX0049492	chr17	75234725	75237164	75237240	75239639	+
Ttc27	MmuEX0049493	chr17	75239804	75239929	75240009	75255749	+
Ttc27	MmuEX0049494	chr17	75124098	75129223	75129325	75138938	+
Ttc27	MmuEX0049495	chr17	75129325	75138938	75139102	75142258	+
Ttc27	MmuEX0049496	chr17	75142391	75146992	75147104	75150402	+
Ttc27	MmuEX0049497	chr17	75147104	75150402	75150468	75169583	+
Ttc27	MmuEX0049498	chr17	75120990	75123958	75124098	75129223	+
Ttc27	MmuEX0049499	chr17	75150468	75169583	75169696	75176984	+
Ttc27	MmuEX0049500	chr17	75169696	75176984	75177079	75198524	+
Ttc27	MmuEX0049501	chr17	75177079	75180123	75180245	75198524	+
Ttc27	MmuEX0049502	chr17	75198751	75228832	75228930	75255749	+
Ttc27	MmuEX0049503	chr17	75228930	75234673	75234725	75255749	+
Ttc27	MmuEX0049504	chr17	75234725	75239639	75239804	75255749	+
Ttc3	MmuEX0049508	chr16	94592468	94605519	94605673	94605953	+
Ttc3	MmuEX0049509	chr16	94609992	94611809	94611894	94613622	+
Ttc3	MmuEX0049510	chr16	94613716	94614719	94614781	94624921	+
Ttc3	MmuEX0049512	chr16	94645794	94646694	94646795	94647758	+
Ttc3	MmuEX0049513	chr16	94647850	94648373	94648437	94649398	+
Ttc3	MmuEX0049514	chr16	94649534	94650966	94651292	94653395	+
Ttc3	MmuEX0049515	chr16	94605995	94606391	94606541	94606943	+
Ttc3	MmuEX0049516	chr16	94606541	94606943	94607030	94608944	+
Ttc3	MmuEX0049517	chr16	94666157	94669606	94669755	94672627	+

Ttc3	MmuEX0049518	chr16	94681709	94683372	94683451	94683829	+
Ttc3	MmuEX0049519	chr16	94681709	94683829	94683955	94684103	+
Ttc3	MmuEX0049520	chr16	94684237	94685702	94685908	94688510	+
Ttc3	MmuEX0049521	chr16	94605673	94605953	94605995	94606391	+
Ttc3	MmuEX0049522	chr16	94607030	94608944	94608997	94609872	+
Ttc3	MmuEX0049523	chr16	94637973	94640214	94640348	94641005	+
Ttc3	MmuEX0049524	chr16	94676130	94678318	94678368	94678928	+
Ttc3	MmuEX0049525	chr16	94624975	94630161	94630323	94637556	+
Ttc3	MmuEX0049526	chr16	94624975	94630354	94630508	94631291	+
Ttc3	MmuEX0049527	chr16	94624975	94631291	94631336	94637556	+
Ttc3	MmuEX0049528	chr16	94624975	94632479	94632563	94637556	+
Ttc3	MmuEX0049529	chr16	94624975	94633667	94633730	94637556	+
Ttc3	MmuEX0049530	chr16	94633730	94637556	94637616	94637889	+
Ttc32	MmuEX0049531	chr12	9037002	9041728	9041894	9044888	+
Ttc33	MmuEX0049533	chr15	5135768	5139582	5139803	5158369	+
Ttc33	MmuEX0049534	chr15	5139803	5158369	5158450	5161999	+
Ttc37	MmuEX0049536	chr13	76245731	76246038	76246168	76249121	+
Ttc37	MmuEX0049537	chr13	76245731	76246467	76246538	76249121	+
Ttc37	MmuEX0049538	chr13	76250561	76251018	76251158	76255532	+
Ttc37	MmuEX0049539	chr13	76255834	76258662	76258810	76260083	+
Ttc37	MmuEX0049540	chr13	76260991	76262209	76262348	76264414	+
Ttc37	MmuEX0049541	chr13	76264500	76264945	76265048	76266072	+
Ttc37	MmuEX0049542	chr13	76265048	76266072	76266198	76266808	+
Ttc37	MmuEX0049543	chr13	76266198	76266808	76266987	76267649	+
Ttc37	MmuEX0049544	chr13	76270408	76272123	76272299	76272395	+
Ttc37	MmuEX0049545	chr13	76272539	76272675	76272753	76272849	+
Ttc37	MmuEX0049546	chr13	76275850	76276936	76277010	76277976	+
Ttc37	MmuEX0049547	chr13	76288184	76289358	76289430	76292870	+
Ttc37	MmuEX0049548	chr13	76236888	76237334	76237459	76242153	+
Ttc37	MmuEX0049549	chr13	76236888	76242153	76242216	76243678	+
Ttc37	MmuEX0049550	chr13	76317644	76320263	76320393	76322575	+
Ttc37	MmuEX0049551	chr13	76318000	76318924	76319854	76320263	+
Ttc37	MmuEX0049552	chr13	76320393	76322575	76322698	76325048	+
Ttc37	MmuEX0049553	chr13	76322698	76325048	76325142	76325881	+
Ttc37	MmuEX0049555	chr13	76245731	76249121	76249264	76249623	+
Ttc37	MmuEX0049556	chr13	76260223	76260890	76260991	76262209	+
Ttc37	MmuEX0049557	chr13	76272753	76272849	76272910	76273866	+
Ttc37	MmuEX0049558	chr13	76282726	76285160	76285284	76286191	+
Ttc37	MmuEX0049559	chr13	76236277	76236819	76236888	76242153	+
Ttc38	MmuEX0049560	chr15	85683415	85684015	85684174	85684406	+
Ttc38	MmuEX0049561	chr15	85665001	85666450	85666621	85669136	+
Ttc38	MmuEX0049562	chr15	85666621	85669136	85669309	85671895	+
Ttc38	MmuEX0049563	chr15	85662849	85663406	85663498	85663577	+
Ttc38	MmuEX0049564	chr15	85678103	85681947	85682028	85683250	+
Ttc39b	MmuEX0049566	chr4	82886098	82887550	82887641	82888043	-
Ttc39b	MmuEX0049567	chr4	82883254	82885972	82886098	82887550	-
Ttc39b	MmuEX0049568	chr4	82876428	82877868	82878274	82878615	-

Ttc39b	MmuEX0049569	chr4	82907861	82909598	82909705	82917021	-
Ttc39b	MmuEX0049570	chr4	82893622	82898890	82898954	82901949	-
Ttc39b	MmuEX0049571	chr4	82876428	82878615	82878732	82883146	-
Ttc39c	MmuEX0049572	chr18	12856568	12865198	12865294	12878459	+
Ttc4	MmuEX0049573	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ttc4	MmuEX0049574	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ttc4	MmuEX0049575	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ttc4	MmuEX0049576	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Ttc7	MmuEX0049585	chr17	87693406	87694356	87694472	87706269	+
Ttc7	MmuEX0049586	chr17	87692319	87693349	87693406	87706269	+
Ttc7	MmuEX0049587	chr17	87729448	87733607	87733711	87739231	+
Ttc7	MmuEX0049588	chr17	87708184	87720743	87720821	87728663	+
Ttc7	MmuEX0049589	chr17	87708184	87721778	87721935	87728663	+
Ttc7	MmuEX0049590	chr17	87708184	87722464	87722527	87728663	+
Ttc7b	MmuEX0049591	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049592	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049593	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049594	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049595	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049596	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049597	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049598	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049599	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc7b	MmuEX0049600	chr12	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ttc8	MmuEX0049603	chr12	1E+08	1E+08	1E+08	1E+08	+
Ttc8	MmuEX0049606	chr12	1E+08	1E+08	1E+08	1E+08	+
Ttc8	MmuEX0049607	chr12	1E+08	1E+08	1E+08	1E+08	+
Ttc9c	MmuEX0049608	chr19	8886328	8890344	8890526	8892926	-
Ttf1	MmuEX0049609	chr2	28926896	28927733	28927842	28929409	+
Ttf1	MmuEX0049610	chr2	28929539	28930094	28930328	28934909	+
Ttf1	MmuEX0049612	chr2	28936597	28939053	28939138	28940157	+
Ttf2	MmuEX0049619	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Ttf2	MmuEX0049620	chr3	1.01E+08	1.01E+08	1.01E+08	1.01E+08	-
Tti1	MmuEX0049621	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tti1	MmuEX0049622	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tti1	MmuEX0049623	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tti1	MmuEX0049624	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tti1	MmuEX0049625	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Tti1	MmuEX0049626	chr2	1.58E+08	1.58E+08	1.58E+08	1.58E+08	-
Ttl	MmuEX0049636	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ttl	MmuEX0049638	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ttl	MmuEX0049639	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ttll1	MmuEX0049640	chr15	83336073	83336710	83336757	83341164	-
Ttll1	MmuEX0049641	chr15	83332719	83335680	83335796	83335913	-
Ttll1	MmuEX0049642	chr15	83326845	83327750	83327858	83328582	-
Ttll1	MmuEX0049643	chr15	83330532	83332511	83332719	83335680	-
Ttll1	MmuEX0049644	chr15	83336757	83340093	83340226	83341164	-

Ttll11	MmuEX0049651	chr2	35651122	35673243	35673341	35744785	-
Ttll11	MmuEX0049652	chr2	35639715	35650877	35651122	35673243	-
Ttll11	MmuEX0049653	chr2	35608012	35639609	35639715	35650877	-
Ttll11	MmuEX0049654	chr2	35758665	35796255	35796327	35834692	-
Ttll12	MmuEX0049655	chr15	83407478	83408177	83408315	83409065	-
Ttll12	MmuEX0049656	chr15	83415162	83417281	83417414	83417504	-
Ttll3	MmuEX0049658	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Ttll3	MmuEX0049660	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Ttll3	MmuEX0049662	chr6	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Ttll4	MmuEX0049665	chr1	74708463	74719418	74719584	74725472	+
Ttll4	MmuEX0049666	chr1	74735239	74735897	74736031	74736534	+
Ttll4	MmuEX0049668	chr1	74736680	74737268	74737463	74742282	+
Ttll4	MmuEX0049669	chr1	74733969	74734052	74734134	74734738	+
Ttll4	MmuEX0049670	chr1	74734134	74734297	74734425	74734738	+
Ttll5	MmuEX0049671	chr12	87166036	87167403	87167574	87172845	+
Ttll5	MmuEX0049672	chr12	87219428	87220318	87220425	87230109	+
Ttll5	MmuEX0049673	chr12	87220425	87224254	87224388	87230109	+
Ttll5	MmuEX0049674	chr12	87220425	87227858	87227908	87230109	+
Ttll5	MmuEX0049675	chr12	87233160	87235132	87235175	87239943	+
Ttll5	MmuEX0049676	chr12	87233160	87239943	87240056	87240343	+
Ttll5	MmuEX0049677	chr12	87266736	87267752	87267855	87270814	+
Ttll5	MmuEX0049678	chr12	87297670	87336951	87337146	87353598	+
Ttll5	MmuEX0049679	chr12	87337146	87353598	87353812	87361471	+
Ttll5	MmuEX0049680	chr12	87353812	87355717	87355809	87361471	+
Ttll5	MmuEX0049681	chr12	87353812	87361471	87361553	87365170	+
Ttll5	MmuEX0049682	chr12	87361553	87365170	87365292	87394093	+
Ttll5	MmuEX0049683	chr12	87365292	87386133	87386168	87394093	+
Ttll5	MmuEX0049684	chr12	87217542	87219337	87219428	87220318	+
Ttll5	MmuEX0049685	chr12	87220425	87230109	87230190	87231971	+
Ttll5	MmuEX0049686	chr12	87232032	87233066	87233160	87239943	+
Ttll5	MmuEX0049687	chr12	87249805	87253502	87253540	87258625	+
Ttll5	MmuEX0049688	chr12	87260187	87263908	87264028	87266590	+
Ttll5	MmuEX0049689	chr12	87167574	87172845	87172951	87184728	+
Ttll5	MmuEX0049690	chr12	87172951	87184728	87184810	87190201	+
Ttll5	MmuEX0049691	chr12	87184810	87184896	87184948	87186197	+
Ttll5	MmuEX0049692	chr12	87184810	87186197	87186303	87190201	+
Ttll5	MmuEX0049693	chr12	87280460	87297516	87297670	87336951	+
Ttll5	MmuEX0049694	chr12	87190331	87198330	87198412	87204514	+
Ttll5	MmuEX0049695	chr12	87190331	87204514	87204583	87217441	+
Ttll5	MmuEX0049696	chr12	87190331	87205475	87205559	87217441	+
Ttll7	MmuEX0049699	chr3	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ttll7	MmuEX0049700	chr3	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ttll7	MmuEX0049702	chr3	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ttll7	MmuEX0049703	chr3	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Ttn	MmuEX0049711	chr2	76655920	76656793	76656873	76659173	-
Ttn	MmuEX0049713	chr2	76543386	76543727	76544029	76544497	-
Ttn	MmuEX0049714	chr2	76638637	76640288	76640554	76641350	-

Ttn	MmuEX0049715	chr2	76744589	76745365	76748010	76759608	-
Ttn	MmuEX0049716	chr2	76656873	76741120	76741683	76744311	-
Ttn	MmuEX0049717	chr2	76656873	76736502	76736780	76744311	-
Ttn	MmuEX0049728	chr2	76656873	76736120	76736398	76744311	-
Ttn	MmuEX0049736	chr2	76656873	76735572	76735859	76744311	-
Ttn	MmuEX0049739	chr2	76656873	76735179	76735457	76744311	-
Ttn	MmuEX0049740	chr2	76656873	76734756	76735037	76744311	-
Ttn	MmuEX0049751	chr2	76656873	76734377	76734655	76744311	-
Ttn	MmuEX0049757	chr2	76656873	76733981	76734259	76744311	-
Ttn	MmuEX0049758	chr2	76656873	76733590	76733868	76744311	-
Ttn	MmuEX0049759	chr2	76656873	76733199	76733486	76744311	-
Ttn	MmuEX0049760	chr2	76656873	76732717	76732959	76744311	-
Ttn	MmuEX0049761	chr2	76656873	76739898	76740179	76744311	-
Ttn	MmuEX0049762	chr2	76656873	76732199	76732480	76744311	-
Ttn	MmuEX0049763	chr2	76656873	76730956	76731234	76744311	-
Ttn	MmuEX0049764	chr2	76656873	76730561	76730842	76744311	-
Ttn	MmuEX0049765	chr2	76656873	76729369	76729647	76744311	-
Ttn	MmuEX0049766	chr2	76656873	76728964	76729251	76744311	-
Ttn	MmuEX0049767	chr2	76656873	76728522	76728800	76744311	-
Ttn	MmuEX0049768	chr2	76656873	76728151	76728429	76744311	-
Ttn	MmuEX0049769	chr2	76656873	76727766	76728044	76744311	-
Ttn	MmuEX0049770	chr2	76656873	76727361	76727648	76744311	-
Ttn	MmuEX0049771	chr2	76656873	76726943	76727230	76744311	-
Ttn	MmuEX0049772	chr2	76656873	76739521	76739799	76744311	-
Ttn	MmuEX0049773	chr2	76656873	76725863	76726144	76744311	-
Ttn	MmuEX0049774	chr2	76656873	76725164	76725442	76744311	-
Ttn	MmuEX0049775	chr2	76656873	76724782	76725063	76744311	-
Ttn	MmuEX0049776	chr2	76656873	76724365	76724643	76744311	-
Ttn	MmuEX0049777	chr2	76656873	76723985	76724272	76744311	-
Ttn	MmuEX0049778	chr2	76656873	76723554	76723832	76744311	-
Ttn	MmuEX0049779	chr2	76656873	76723182	76723460	76744311	-
Ttn	MmuEX0049780	chr2	76656873	76722809	76723087	76744311	-
Ttn	MmuEX0049781	chr2	76656873	76722403	76722690	76744311	-
Ttn	MmuEX0049782	chr2	76656873	76721967	76722254	76744311	-
Ttn	MmuEX0049783	chr2	76656873	76738814	76739092	76744311	-
Ttn	MmuEX0049784	chr2	76656873	76719615	76719896	76744311	-
Ttn	MmuEX0049785	chr2	76656873	76719121	76719399	76744311	-
Ttn	MmuEX0049786	chr2	76656873	76718432	76718713	76744311	-
Ttn	MmuEX0049787	chr2	76656873	76718040	76718318	76744311	-
Ttn	MmuEX0049788	chr2	76656873	76717115	76717402	76744311	-
Ttn	MmuEX0049789	chr2	76656873	76716731	76717009	76744311	-
Ttn	MmuEX0049790	chr2	76656873	76716325	76716603	76744311	-
Ttn	MmuEX0049791	chr2	76656873	76715960	76716238	76744311	-
Ttn	MmuEX0049792	chr2	76656873	76714939	76715226	76744311	-
Ttn	MmuEX0049793	chr2	76656873	76714509	76714796	76744311	-
Ttn	MmuEX0049794	chr2	76656873	76738439	76738717	76744311	-
Ttn	MmuEX0049795	chr2	76656873	76713748	76714038	76744311	-

Ttn	MmuEX0049796	chr2	76656873	76711768	76712055	76744311	-
Ttn	MmuEX0049797	chr2	76656873	76711124	76711216	76744311	-
Ttn	MmuEX0049798	chr2	76656873	76710738	76711023	76744311	-
Ttn	MmuEX0049799	chr2	76656873	76709762	76709945	76744311	-
Ttn	MmuEX0049800	chr2	76656873	76709133	76709222	76744311	-
Ttn	MmuEX0049801	chr2	76656873	76708767	76709034	76744311	-
Ttn	MmuEX0049802	chr2	76656873	76708408	76708668	76744311	-
Ttn	MmuEX0049803	chr2	76656873	76706344	76706553	76744311	-
Ttn	MmuEX0049804	chr2	76656873	76706065	76706142	76744311	-
Ttn	MmuEX0049805	chr2	76656873	76738037	76738324	76744311	-
Ttn	MmuEX0049806	chr2	76656873	76705940	76705966	76744311	-
Ttn	MmuEX0049807	chr2	76656873	76705479	76705538	76744311	-
Ttn	MmuEX0049808	chr2	76656873	76705215	76705298	76744311	-
Ttn	MmuEX0049809	chr2	76656873	76703280	76703354	76744311	-
Ttn	MmuEX0049810	chr2	76656873	76702329	76702373	76744311	-
Ttn	MmuEX0049811	chr2	76656873	76701331	76701732	76744311	-
Ttn	MmuEX0049812	chr2	76656873	76700857	76700916	76744311	-
Ttn	MmuEX0049813	chr2	76699566	76700407	76700484	76700857	-
Ttn	MmuEX0049814	chr2	76699566	76700169	76700246	76700407	-
Ttn	MmuEX0049815	chr2	76656873	76699480	76699566	76744311	-
Ttn	MmuEX0049816	chr2	76656873	76737648	76737926	76744311	-
Ttn	MmuEX0049817	chr2	76656873	76699154	76699234	76744311	-
Ttn	MmuEX0049818	chr2	76656873	76697971	76698054	76744311	-
Ttn	MmuEX0049819	chr2	76656873	76697517	76697603	76744311	-
Ttn	MmuEX0049820	chr2	76656873	76695961	76696044	76744311	-
Ttn	MmuEX0049821	chr2	76656873	76695667	76695747	76695961	-
Ttn	MmuEX0049822	chr2	76656873	76695454	76695531	76695667	-
Ttn	MmuEX0049823	chr2	76690194	76695212	76695286	76695454	-
Ttn	MmuEX0049824	chr2	76694423	76694860	76694961	76695212	-
Ttn	MmuEX0049825	chr2	76690194	76694322	76694423	76694860	-
Ttn	MmuEX0049826	chr2	76690194	76692444	76692524	76694322	-
Ttn	MmuEX0049827	chr2	76656873	76737265	76737546	76744311	-
Ttn	MmuEX0049828	chr2	76690194	76692207	76692275	76692444	-
Ttn	MmuEX0049829	chr2	76690194	76691908	76691985	76692207	-
Ttn	MmuEX0049830	chr2	76690194	76691662	76691745	76691908	-
Ttn	MmuEX0049831	chr2	76690194	76691212	76691295	76691662	-
Ttn	MmuEX0049832	chr2	76690194	76690891	76690974	76691212	-
Ttn	MmuEX0049833	chr2	76656873	76690114	76690194	76744311	-
Ttn	MmuEX0049834	chr2	76656873	76689612	76689821	76744311	-
Ttn	MmuEX0049835	chr2	76656873	76688627	76688701	76744311	-
Ttn	MmuEX0049836	chr2	76685865	76688363	76688437	76688627	-
Ttn	MmuEX0049837	chr2	76685865	76688052	76688144	76688363	-
Ttn	MmuEX0049838	chr2	76656873	76736895	76737173	76744311	-
Ttn	MmuEX0049839	chr2	76687227	76687314	76687391	76688052	-
Ttn	MmuEX0049840	chr2	76685865	76686874	76687128	76687314	-
Ttn	MmuEX0049841	chr2	76685865	76686616	76686699	76686874	-
Ttn	MmuEX0049842	chr2	76685865	76686336	76686413	76686616	-

Ttn	MmuEX0049843	chr2	76669931	76685782	76685865	76686336	-
Ttn	MmuEX0049849	chr2	76793145	76803834	76803971	76805111	-
Ttn	MmuEX0049850	chr2	76793145	76803148	76803285	76805111	-
Ttn	MmuEX0049851	chr2	76793145	76802532	76802669	76805111	-
Ttpal	MmuEX0049853	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Ttpal	MmuEX0049854	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Ttpal	MmuEX0049855	chr2	1.63E+08	1.63E+08	1.63E+08	1.63E+08	+
Ttyh2	MmuEX0049863	chr11	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ttyh3	MmuEX0049864	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ttyh3	MmuEX0049865	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ttyh3	MmuEX0049866	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ttyh3	MmuEX0049867	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ttyh3	MmuEX0049868	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Ttyh3	MmuEX0049869	chr5	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Tuba8	MmuEX0049874	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubb6	MmuEX0049879	chr18	67551087	67552600	67552710	67560964	+
Tubd1	MmuEX0049880	chr11	86374878	86379187	86379370	86380539	+
Tubd1	MmuEX0049881	chr11	86371391	86372888	86373030	86374738	+
Tubd1	MmuEX0049882	chr11	86362973	86366290	86366506	86368575	+
Tubd1	MmuEX0049883	chr11	86368806	86370197	86370289	86371227	+
Tubd1	MmuEX0049884	chr11	86371391	86374738	86374878	86379187	+
Tubg1	MmuEX0049888	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Tubgcp2	MmuEX0049889	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tubgcp2	MmuEX0049890	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tubgcp2	MmuEX0049891	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tubgcp2	MmuEX0049892	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tubgcp2	MmuEX0049893	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Tubgcp3	MmuEX0049894	chr8	12637802	12638753	12638986	12639526	-
Tubgcp3	MmuEX0049895	chr8	12658377	12658480	12658588	12661300	-
Tubgcp3	MmuEX0049896	chr8	12657657	12658300	12658377	12661300	-
Tubgcp3	MmuEX0049897	chr8	12615296	12616022	12616138	12621799	-
Tubgcp3	MmuEX0049898	chr8	12655978	12657446	12657657	12658300	-
Tubgcp3	MmuEX0049899	chr8	12653489	12654234	12654352	12655806	-
Tubgcp3	MmuEX0049900	chr8	12648787	12649690	12649822	12650154	-
Tubgcp4	MmuEX0049901	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp4	MmuEX0049902	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp4	MmuEX0049903	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp4	MmuEX0049904	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp4	MmuEX0049905	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp4	MmuEX0049906	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp4	MmuEX0049907	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Tubgcp5	MmuEX0049908	chr7	63064083	63068803	63068918	63070230	+
Tubgcp5	MmuEX0049909	chr7	63081075	63081603	63081691	63084701	+
Tubgcp5	MmuEX0049910	chr7	63072026	63072609	63072797	63074084	+
Tubgcp5	MmuEX0049911	chr7	63081691	63084388	63084466	63084701	+
Tubgcp5	MmuEX0049912	chr7	63062199	63063881	63064083	63068803	+
Tubgcp6	MmuEX0049913	chr15	88940597	88941546	88941719	88946475	-

Tubgcp6	MmuEX0049914	chr15	88939082	88939226	88939272	88939377	-
Tubgcp6	MmuEX0049915	chr15	88939486	88939651	88939726	88940476	-
Tubgcp6	MmuEX0049916	chr15	88932346	88932684	88932837	88932975	-
Tubgcp6	MmuEX0049917	chr15	88932346	88932431	88932596	88932975	-
Tubgcp6	MmuEX0049918	chr15	88946685	88950940	88951103	88952507	-
Tubgcp6	MmuEX0049919	chr15	88941719	88946475	88946685	88950940	-
Tulp3	MmuEX0049934	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tulp3	MmuEX0049935	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tulp3	MmuEX0049936	chr6	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Tulp4	MmuEX0049937	chr17	6224245	6228408	6228536	6229335	+
Tulp4	MmuEX0049938	chr17	6122344	6124171	6124248	6124480	+
Tulp4	MmuEX0049941	chr17	6118366	6121828	6122344	6137211	+
Tulp4	MmuEX0049942	chr17	6106582	6137211	6139156	6176829	+
Tulp4	MmuEX0049943	chr17	6176957	6185137	6185298	6198672	+
Tulp4	MmuEX0049944	chr17	6185298	6198672	6198852	6206891	+
Tulp4	MmuEX0049945	chr17	6198852	6201700	6201834	6206891	+
Tulp4	MmuEX0049946	chr17	6201834	6206891	6207057	6213384	+
Tulp4	MmuEX0049947	chr17	6207057	6213384	6213608	6214635	+
Tusc3	MmuEX0049948	chr8	40130816	40134430	40134570	40159979	+
Tusc3	MmuEX0049949	chr8	40134570	40159979	40160068	40189583	+
Tut1	MmuEX0049951	chr19	9028511	9029877	9030067	9033577	+
Tut1	MmuEX0049952	chr19	9030067	9032159	9032257	9033577	+
Tut1	MmuEX0049953	chr19	9030067	9033577	9033892	9036834	+
Tut1	MmuEX0049954	chr19	9033892	9034233	9034333	9036834	+
Tut1	MmuEX0049955	chr19	9034333	9036834	9037312	9038510	+
Twf1	MmuEX0049956	chr15	94416967	94418659	94418736	94420183	-
Twf1	MmuEX0049957	chr15	94413306	94414055	94414075	94414812	-
Twf2	MmuEX0049958	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Twsg1	MmuEX0049959	chr17	66275806	66278887	66279153	66287141	-
Twsg1	MmuEX0049960	chr17	66279153	66287141	66287240	66297998	-
Txlnb	MmuEX0049961	chr10	17516227	17518894	17519339	17526571	+
Txlnb	MmuEX0049962	chr10	17516227	17526571	17526662	17535035	+
Txlnb	MmuEX0049963	chr10	17535205	17547598	17547792	17550042	+
Txndc11	MmuEX0049965	chr16	11084986	11087870	11088662	11091679	-
Txndc11	MmuEX0049966	chr16	11079877	11084301	11084410	11084844	-
Txndc11	MmuEX0049967	chr16	11122860	11128580	11128796	11134361	-
Txndc11	MmuEX0049968	chr16	11104752	11116888	11117017	11122763	-
Txndc11	MmuEX0049969	chr16	11091879	11104659	11104752	11116888	-
Txndc11	MmuEX0049970	chr16	11091879	11093909	11094021	11104659	-
Txndc12	MmuEX0049971	chr4	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Txndc15	MmuEX0049972	chr13	55823103	55825869	55825999	55827028	+
Txndc16	MmuEX0049973	chr14	45802842	45820313	45820420	45825017	-
Txndc16	MmuEX0049974	chr14	45781068	45781915	45782058	45782607	-
Txndc16	MmuEX0049975	chr14	45761808	45764617	45764755	45767504	-
Txndc16	MmuEX0049976	chr14	45789063	45802721	45802842	45825017	-
Txndc16	MmuEX0049977	chr14	45789063	45792189	45792279	45802721	-
Txndc16	MmuEX0049978	chr14	45833199	45838671	45838724	45838892	-

Txndc16	MmuEX0049979	chr14	45833199	45838578	45838638	45838892	-
Txndc16	MmuEX0049980	chr14	45833199	45837629	45837717	45838671	-
Txndc16	MmuEX0049981	chr14	45833199	45837446	45837537	45838671	-
Txndc17	MmuEX0049982	chr11	72021270	72021755	72021836	72022232	+
Txndc5	MmuEX0049986	chr13	38595429	38596593	38596675	38598818	-
Txndc5	MmuEX0049987	chr13	38599849	38601996	38602111	38604937	-
Txndc9	MmuEX0049991	chr1	38047302	38050837	38050955	38052478	-
Txn11	MmuEX0049993	chr18	63831340	63833452	63833528	63833703	-
Txn11	MmuEX0049994	chr18	63833875	63835098	63835167	63836533	-
Txn14a	MmuEX0049995	chr18	80415546	80416996	80417053	80418918	+
Txn14b	MmuEX0049997	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Txnrd1	MmuEX0049998	chr10	82322045	82323269	82323375	82337358	+
Txnrd1	MmuEX0049999	chr10	82323375	82335683	82335757	82337358	+
Txnrd1	MmuEX0050000	chr10	82337480	82338369	82338441	82340011	+
Txnrd2	MmuEX0050001	chr16	18454673	18455563	18455760	18456117	+
Txnrd2	MmuEX0050002	chr16	18440964	18441841	18441903	18443297	+
Txnrd2	MmuEX0050003	chr16	18426652	18429904	18429969	18436654	+
Txnrd2	MmuEX0050004	chr16	18429969	18436654	18436710	18440886	+
Txnrd2	MmuEX0050005	chr16	18436710	18437595	18437739	18440886	+
Txnrd2	MmuEX0050006	chr16	18437739	18438412	18438486	18440886	+
Txnrd2	MmuEX0050007	chr16	18472342	18472887	18472979	18474775	+
Txnrd2	MmuEX0050008	chr16	18472979	18474775	18474846	18475615	+
Txnrd3	MmuEX0050009	chr6	89600580	89601493	89601602	89604048	+
Txnrd3	MmuEX0050010	chr6	89619968	89622165	89622272	89622962	+
Txnrd3	MmuEX0050011	chr6	89604415	89606022	89606141	89611453	+
Txnrd3	MmuEX0050012	chr6	89614597	89615694	89615786	89619299	+
Txnrd3	MmuEX0050013	chr6	89615786	89619299	89619375	89619812	+
Tyk2	MmuEX0050014	chr9	20929425	20929892	20929966	20931568	-
Tyk2	MmuEX0050015	chr9	20919992	20920088	20920191	20920279	-
Tyk2	MmuEX0050016	chr9	20912481	20913218	20913336	20913679	-
Tyk2	MmuEX0050017	chr9	20918764	20919636	20919723	20919816	-
Tyk2	MmuEX0050018	chr9	20915824	20918637	20918764	20919816	-
Tyk2	MmuEX0050019	chr9	20926202	20928855	20929002	20929308	-
Tyk2	MmuEX0050020	chr9	20926202	20928421	20928584	20929308	-
Tyk2	MmuEX0050021	chr9	20920685	20924947	20925147	20925836	-
Tyk2	MmuEX0050022	chr9	20920685	20924704	20924861	20925836	-
Tyk2	MmuEX0050023	chr9	20920474	20920577	20920685	20924704	-
Tyro3	MmuEX0050035	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Tyrobp	MmuEX0050037	chr7	31198918	31199361	31199387	31199523	+
Tysnd1	MmuEX0050038	chr10	61159490	61161046	61161176	61162191	+
Tysnd1	MmuEX0050039	chr10	61161176	61162191	61162376	61164782	+
Tyw1	MmuEX0050040	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tyw1	MmuEX0050041	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tyw1	MmuEX0050042	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tyw1	MmuEX0050043	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tyw1	MmuEX0050044	chr5	1.31E+08	1.31E+08	1.31E+08	1.31E+08	+
Tyw3	MmuEX0050045	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-

Tyw3	MmuEX0050046	chr3	1.54E+08	1.54E+08	1.54E+08	1.54E+08	-
U2af1	MmuEX0050047	chr17	31785839	31791924	31792011	31795598	-
U2af1	MmuEX0050048	chr17	31785839	31789447	31789513	31791924	-
U2af1	MmuEX0050049	chr17	31785839	31788591	31788657	31791924	-
U2af1l4	MmuEX0050050	chr7	31349320	31349493	31349626	31349722	+
U2af1l4	MmuEX0050051	chr7	31349626	31349722	31349817	31350114	+
U2af2	MmuEX0050052	chr7	5013938	5017664	5017783	5018005	+
Uaca	MmuEX0050055	chr9	60711505	60714172	60714208	60715239	+
Uaca	MmuEX0050056	chr9	60688780	60689789	60689894	60693800	+
Uaca	MmuEX0050057	chr9	60688780	60693800	60693888	60696429	+
Uaca	MmuEX0050058	chr9	60720090	60721840	60721992	60724169	+
Uaca	MmuEX0050059	chr9	60721992	60724169	60724234	60727981	+
Uap1	MmuEX0050060	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Uap1	MmuEX0050061	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Uap1l1	MmuEX0050062	chr2	25217259	25217591	25217657	25218183	-
Uap1l1	MmuEX0050063	chr2	25218368	25218832	25218904	25219326	-
Uba1	MmuEX0050064	chrX	20235854	20236326	20236422	20245575	+
Uba1	MmuEX0050065	chrX	20247760	20247867	20247999	20248482	+
Uba2	MmuEX0050066	chr7	34943065	34943837	34943958	34946556	-
Uba2	MmuEX0050067	chr7	34932694	34935807	34935919	34936014	-
Uba2	MmuEX0050068	chr7	34929614	34931224	34931320	34932539	-
Uba2	MmuEX0050069	chr7	34941003	34942262	34942383	34942998	-
Uba2	MmuEX0050070	chr7	34927893	34929509	34929614	34932539	-
Uba2	MmuEX0050071	chr7	34926485	34926822	34926871	34927757	-
Uba3	MmuEX0050072	chr6	97146911	97149233	97149315	97151911	-
Uba3	MmuEX0050073	chr6	97135744	97136063	97136144	97136231	-
Uba3	MmuEX0050074	chr6	97153588	97154402	97154516	97155300	-
Uba3	MmuEX0050075	chr6	97153588	97155300	97155341	97155527	-
Uba3	MmuEX0050076	chr6	97134859	97135477	97135540	97136063	-
Uba3	MmuEX0050077	chr6	97134859	97135335	97135389	97135477	-
Uba5	MmuEX0050078	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Uba5	MmuEX0050079	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Uba5	MmuEX0050080	chr9	1.04E+08	1.04E+08	1.04E+08	1.04E+08	-
Uba6	MmuEX0050081	chr5	86566919	86569381	86569461	86570573	-
Uba6	MmuEX0050082	chr5	86565515	86566842	86566919	86569381	-
Uba6	MmuEX0050083	chr5	86581973	86583379	86583459	86588229	-
Uba6	MmuEX0050084	chr5	86581973	86582341	86582391	86583379	-
Uba6	MmuEX0050085	chr5	86564104	86565334	86565515	86566842	-
Uba7	MmuEX0050086	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Uba7	MmuEX0050087	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Uba7	MmuEX0050088	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ubac1	MmuEX0050089	chr2	25863473	25864381	25864489	25864681	-
Ubac1	MmuEX0050090	chr2	25854587	25862047	25862133	25863239	-
Ubac1	MmuEX0050091	chr2	25854587	25860846	25860984	25862047	-
Ubac1	MmuEX0050092	chr2	25870485	25871475	25871555	25871816	-
Ubac1	MmuEX0050093	chr2	25866149	25870412	25870485	25871816	-
Ubac2	MmuEX0050094	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+

Ubac2	MmuEX0050095	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ubac2	MmuEX0050096	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ubac2	MmuEX0050097	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ubac2	MmuEX0050098	chr14	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Ubp1	MmuEX0050099	chr4	41318882	41325493	41325631	41325980	+
Ubp1	MmuEX0050100	chr4	41296264	41313923	41313963	41318758	+
Ubp1	MmuEX0050101	chr4	41313963	41318230	41318356	41318758	+
Ubp1	MmuEX0050102	chr4	41313963	41318793	41318882	41325980	+
Ubp1	MmuEX0050103	chr4	41318882	41325980	41326903	41334208	+
Ubp1	MmuEX0050104	chr4	41326903	41334208	41334390	41335129	+
Ubp2	MmuEX0050105	chr4	41198704	41200556	41200713	41222073	-
Ubp2	MmuEX0050106	chr4	41176881	41180637	41180747	41182550	-
Ubp2	MmuEX0050107	chr4	41154137	41156386	41156602	41158738	-
Ubp2	MmuEX0050108	chr4	41146618	41146749	41146935	41148497	-
Ubp2	MmuEX0050109	chr4	41180747	41182550	41182627	41198568	-
Ubp2	MmuEX0050110	chr4	41143566	41143763	41143841	41146251	-
Ubp2	MmuEX0050111	chr4	41174309	41176728	41176881	41180637	-
Ubp2	MmuEX0050112	chr4	41156602	41163599	41163666	41165344	-
Ubp2	MmuEX0050113	chr4	41156602	41158738	41158927	41163599	-
Ubp2	MmuEX0050114	chr4	41182627	41198568	41198704	41222073	-
Ubp2	MmuEX0050115	chr4	41182627	41192489	41192525	41198568	-
Ubp2l	MmuEX0050116	chr3	89851821	89852742	89852817	89856377	-
Ubp2l	MmuEX0050117	chr3	89825438	89827353	89827551	89828985	-
Ubp2l	MmuEX0050118	chr3	89819419	89820621	89820693	89821037	-
Ubp2l	MmuEX0050119	chr3	89810539	89811347	89811448	89812178	-
Ubp2l	MmuEX0050120	chr3	89804913	89805262	89805335	89805740	-
Ubp2l	MmuEX0050121	chr3	89804175	89805740	89805790	89806201	-
Ubp2l	MmuEX0050122	chr3	89832299	89835233	89835292	89837987	-
Ubp2l	MmuEX0050123	chr3	89832299	89834752	89834793	89837987	-
Ube2b	MmuEX0050127	chr11	51804985	51808876	51808901	51811320	-
Ube2b	MmuEX0050128	chr11	51802202	51804896	51804985	51808876	-
Ube2cbp	MmuEX0050129	chr9	86201483	86265948	86266086	86316448	-
Ube2cbp	MmuEX0050136	chr9	86266086	86316448	86316611	86358348	-
Ube2d1	MmuEX0050137	chr10	70724863	70724947	70725010	70747849	-
Ube2d1	MmuEX0050138	chr10	70722567	70723879	70723962	70724832	-
Ube2d1	MmuEX0050139	chr10	70721054	70722490	70722567	70724832	-
Ube2d1	MmuEX0050140	chr10	70719456	70720949	70721054	70722490	-
Ube2d3	MmuEX0050143	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Ube2d3	MmuEX0050144	chr3	1.35E+08	1.35E+08	1.35E+08	1.35E+08	+
Ube2e1	MmuEX0050145	chr14	19158944	19163464	19163552	19164201	-
Ube2e2	MmuEX0050146	chr14	19704058	19720780	19720963	19726099	-
Ube2e2	MmuEX0050147	chr14	19462945	19704008	19704058	19720780	-
Ube2e2	MmuEX0050148	chr14	19419512	19462813	19462945	19704008	-
Ube2e2	MmuEX0050149	chr14	19462945	19651083	19651100	19704008	-
Ube2e2	MmuEX0050150	chr14	19462945	19559878	19559919	19704008	-
Ube2f	MmuEX0050151	chr1	93147014	93147143	93147430	93150337	+
Ube2f	MmuEX0050152	chr1	93147014	93150337	93150404	93150792	+

Ube2f	MmuEX0050153	chr1	93147014	93150840	93150970	93158844	+
Ube2f	MmuEX0050154	chr1	93150970	93158844	93158873	93161795	+
Ube2f	MmuEX0050155	chr1	93158873	93161795	93161860	93171827	+
Ube2g1	MmuEX0050158	chr11	72421137	72438132	72438238	72459039	+
Ube2g1	MmuEX0050159	chr11	72486559	72491207	72491385	72492871	+
Ube2g1	MmuEX0050160	chr11	72421137	72459039	72459154	72476573	+
Ube2g1	MmuEX0050161	chr11	72421137	72476573	72476675	72486462	+
Ube2g1	MmuEX0050162	chr11	72476675	72483536	72483641	72486462	+
Ube2g2	MmuEX0050163	chr10	77085161	77093471	77093506	77093594	+
Ube2g2	MmuEX0050164	chr10	77104323	77106214	77106354	77107192	+
Ube2g2	MmuEX0050165	chr10	77093639	77097405	77097530	77104205	+
Ube2i	MmuEX0050168	chr17	25406424	25409483	25409710	25410205	-
Ube2j1	MmuEX0050169	chr4	33130961	33132055	33132174	33136657	+
Ube2j2	MmuEX0050170	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ube2j2	MmuEX0050171	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ube2j2	MmuEX0050172	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ube2j2	MmuEX0050174	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ube2j2	MmuEX0050175	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	+
Ube2k	MmuEX0050176	chr5	65928785	65957228	65957321	65962771	+
Ube2k	MmuEX0050177	chr5	65957321	65962771	65962829	65972625	+
Ube2k	MmuEX0050178	chr5	65962829	65972625	65972707	65983115	+
Ube2l6	MmuEX0050182	chr2	84639089	84642936	84643031	84646494	+
Ube2q1	MmuEX0050183	chr3	89577960	89579160	89579270	89579999	+
Ube2q1	MmuEX0050184	chr3	89577960	89579999	89580103	89580434	+
Ube2q1	MmuEX0050185	chr3	89583761	89584359	89584419	89584609	+
Ube2q2	MmuEX0050186	chr9	54998208	55008596	55008702	55010775	+
Ube2q2	MmuEX0050187	chr9	54997633	55010775	55010876	55023998	+
Ube2q2	MmuEX0050188	chr9	54997633	55016010	55016114	55023998	+
Ube2q2	MmuEX0050189	chr9	55016114	55023998	55024054	55028280	+
Ube2r2	MmuEX0050193	chr4	41083279	41121074	41121160	41130278	+
Ube2r2	MmuEX0050194	chr4	41130375	41136185	41136319	41137638	+
Ube2t	MmuEX0050196	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ube2t	MmuEX0050197	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ube2t	MmuEX0050198	chr1	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Ube2v2	MmuEX0050203	chr16	15556636	15577108	15577233	15581152	-
Ube2v2	MmuEX0050204	chr16	15529058	15556416	15556636	15581152	-
Ube2w	MmuEX0050205	chr1	16561363	16572008	16572083	16575357	-
Ube2w	MmuEX0050206	chr1	16588134	16592069	16592130	16592343	-
Ube2w	MmuEX0050207	chr1	16588134	16590988	16591121	16592343	-
Ube2w	MmuEX0050208	chr1	16575512	16592343	16592434	16609318	-
Ube2w	MmuEX0050209	chr1	16575512	16588032	16588134	16592343	-
Ube2z	MmuEX0050210	chr11	95911728	95913048	95913138	95917152	-
Ube2z	MmuEX0050211	chr11	95919741	95922251	95922438	95924309	-
Ube3a	MmuEX0050212	chr7	66484641	66496337	66496403	66498720	+
Ube3a	MmuEX0050213	chr7	66484641	66498720	66498839	66502543	+
Ube3a	MmuEX0050214	chr7	66502587	66502662	66502804	66513180	+
Ube3a	MmuEX0050215	chr7	66502587	66513180	66513389	66517392	+

Ube3a	MmuEX0050216	chr7	66502587	66526104	66526241	66527317	+
Ube3a	MmuEX0050217	chr7	66540194	66541424	66541629	66543776	+
Ube3a	MmuEX0050218	chr7	66541629	66542238	66542402	66543776	+
Ube3a	MmuEX0050219	chr7	66484732	66502543	66502587	66527317	+
Ube3a	MmuEX0050220	chr7	66502587	66517392	66517428	66527317	+
Ube3a	MmuEX0050221	chr7	66502587	66527317	66527606	66540050	+
Ube3a	MmuEX0050222	chr7	66527606	66531138	66531953	66540050	+
Ube3a	MmuEX0050223	chr7	66532384	66540050	66540194	66543776	+
Ube3b	MmuEX0050224	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050225	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050226	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050227	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050228	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050229	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050230	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050231	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3b	MmuEX0050232	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Ube3c	MmuEX0050233	chr5	29946327	29957732	29957836	29959290	+
Ube3c	MmuEX0050234	chr5	29964310	29972950	29973197	29984750	+
Ube3c	MmuEX0050235	chr5	29913868	29916428	29916502	29917350	+
Ube3c	MmuEX0050236	chr5	29990191	29990316	29990382	29994454	+
Ube3c	MmuEX0050237	chr5	29990382	29993994	29994122	29994454	+
Ube3c	MmuEX0050238	chr5	29925556	29927181	29927334	29927672	+
Ube3c	MmuEX0050239	chr5	29927334	29927672	29927892	29928736	+
Ube3c	MmuEX0050240	chr5	29973197	29984750	29984962	29990003	+
Ube3c	MmuEX0050241	chr5	29917496	29918659	29918842	29923609	+
Ube4a	MmuEX0050242	chr9	44757067	44757816	44757975	44758864	-
Ube4a	MmuEX0050243	chr9	44756300	44756865	44757067	44757816	-
Ube4a	MmuEX0050244	chr9	44750953	44752888	44753008	44754267	-
Ube4a	MmuEX0050245	chr9	44743584	44745716	44745829	44745932	-
Ube4a	MmuEX0050246	chr9	44749369	44750649	44750953	44752888	-
Ube4a	MmuEX0050247	chr9	44768222	44771447	44771515	44773556	-
Ube4a	MmuEX0050248	chr9	44761255	44768062	44768210	44773556	-
Ube4a	MmuEX0050249	chr9	44761255	44764625	44764808	44768058	-
Ube4b	MmuEX0050250	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ube4b	MmuEX0050251	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ube4b	MmuEX0050252	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ube4b	MmuEX0050253	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ube4b	MmuEX0050254	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ube4b	MmuEX0050255	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ube4b	MmuEX0050256	chr4	1.49E+08	1.49E+08	1.49E+08	1.49E+08	-
Ubfd1	MmuEX0050257	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ubfd1	MmuEX0050258	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ubfd1	MmuEX0050259	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ubfd1	MmuEX0050260	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Ubl4	MmuEX0050261	chrX	71613349	71613492	71613597	71613755	-
Ubl4	MmuEX0050262	chrX	71612925	71613040	71613248	71613492	-

Ubl5	MmuEX0050263	chr9	20449937	20450066	20450103	20450974	+
Ubl7	MmuEX0050264	chr9	57767930	57768311	57768368	57769434	+
Ubl7	MmuEX0050265	chr9	57768368	57769434	57769567	57769783	+
Ubl7	MmuEX0050266	chr9	57770425	57770962	57771084	57777520	+
Ubl7	MmuEX0050267	chr9	57758978	57759524	57759632	57760445	+
Ubl7	MmuEX0050268	chr9	57758978	57760445	57760657	57762361	+
Ubn1	MmuEX0050269	chr16	5050874	5053821	5053934	5055170	+
Ubn1	MmuEX0050270	chr16	5063869	5064441	5064879	5070742	+
Ubn1	MmuEX0050271	chr16	5070812	5072147	5072276	5072400	+
Ubn1	MmuEX0050272	chr16	5072276	5072400	5072518	5073102	+
Ubn1	MmuEX0050273	chr16	5062723	5063033	5063167	5063766	+
Ubn1	MmuEX0050274	chr16	5050874	5053033	5053172	5055170	+
Ubn1	MmuEX0050275	chr16	5074605	5076985	5078208	5081511	+
Ubn1	MmuEX0050276	chr16	5078208	5081511	5081754	5084149	+
Ubn1	MmuEX0050277	chr16	5081754	5081987	5082076	5084149	+
Ubn1	MmuEX0050278	chr16	5064879	5066171	5066249	5070643	+
Ubn2	MmuEX0050279	chr6	38402971	38411475	38411612	38412963	+
Ubn2	MmuEX0050280	chr6	38390547	38402870	38402971	38411475	+
Ubn2	MmuEX0050281	chr6	38434244	38437108	38437150	38440384	+
Ubn2	MmuEX0050282	chr6	38437150	38439254	38439304	38440384	+
Ubox5	MmuEX0050283	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubox5	MmuEX0050284	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubox5	MmuEX0050285	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubox5	MmuEX0050286	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubox5	MmuEX0050287	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubox5	MmuEX0050288	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubox5	MmuEX0050289	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Ubp1	MmuEX0050290	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050291	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050292	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050293	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050294	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050295	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050296	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050297	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubp1	MmuEX0050298	chr9	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Ubqln1	MmuEX0050299	chr13	58298033	58298970	58299081	58300280	-
Ubqln1	MmuEX0050300	chr13	58294875	58297918	58298033	58300280	-
Ubqln1	MmuEX0050301	chr13	58281029	58282183	58282266	58284543	-
Ubqln4	MmuEX0050302	chr3	88360841	88363540	88363698	88367030	+
Ubqln4	MmuEX0050303	chr3	88360841	88367030	88367255	88368292	+
Ubr1	MmuEX0050304	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050305	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050306	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050307	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050308	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050309	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-

Ubr1	MmuEX0050310	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050311	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050312	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050313	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050314	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050315	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050316	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050317	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050318	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050319	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050320	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050321	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050322	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050323	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050324	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050325	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050326	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr1	MmuEX0050327	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Ubr2	MmuEX0050328	chr17	47128054	47129940	47130018	47137535	-
Ubr2	MmuEX0050329	chr17	47106250	47107050	47107111	47109813	-
Ubr2	MmuEX0050330	chr17	47094363	47096413	47096515	47098448	-
Ubr2	MmuEX0050331	chr17	47082050	47082252	47082338	47082967	-
Ubr2	MmuEX0050332	chr17	47072460	47075599	47075655	47076251	-
Ubr2	MmuEX0050333	chr17	47117536	47118303	47118391	47119215	-
Ubr2	MmuEX0050334	chr17	47113039	47117438	47117536	47118303	-
Ubr2	MmuEX0050335	chr17	47113039	47117269	47117367	47118303	-
Ubr2	MmuEX0050336	chr17	47079759	47080286	47080421	47081457	-
Ubr2	MmuEX0050337	chr17	47123732	47125602	47125732	47127941	-
Ubr3	MmuEX0050338	chr2	69783204	69785231	69785361	69786481	+
Ubr3	MmuEX0050339	chr2	69786567	69789400	69789465	69789557	+
Ubr3	MmuEX0050340	chr2	69794163	69797624	69797720	69803431	+
Ubr3	MmuEX0050341	chr2	69809290	69809459	69809491	69811206	+
Ubr3	MmuEX0050342	chr2	69821318	69826843	69826953	69829482	+
Ubr3	MmuEX0050343	chr2	69856629	69857602	69857691	69858508	+
Ubr3	MmuEX0050344	chr2	69792418	69793346	69793348	69794022	+
Ubr3	MmuEX0050345	chr2	69789465	69789557	69789646	69790798	+
Ubr3	MmuEX0050346	chr2	69831869	69837142	69837275	69838515	+
Ubr3	MmuEX0050347	chr2	69838600	69841411	69841516	69847160	+
Ubr4	MmuEX0050348	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050349	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050350	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050351	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050352	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050353	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050354	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050355	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050356	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+

Ubr4	MmuEX0050357	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050358	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050359	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050360	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050361	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050362	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050363	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050364	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050365	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050366	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050367	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050368	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr4	MmuEX0050369	chr4	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Ubr5	MmuEX0050370	chr15	37977904	38006880	38007079	38008119	-
Ubr5	MmuEX0050371	chr15	37977379	37977860	37977904	38008119	-
Ubr5	MmuEX0050372	chr15	37960693	37966713	37966887	37967571	-
Ubr5	MmuEX0050373	chr15	37959408	37960377	37960487	37960577	-
Ubr5	MmuEX0050374	chr15	37958505	37959254	37959408	37960377	-
Ubr5	MmuEX0050375	chr15	37952229	37954502	37954686	37958388	-
Ubr5	MmuEX0050376	chr15	37939532	37941487	37941697	37943197	-
Ubr5	MmuEX0050377	chr15	37929759	37930325	37930448	37931972	-
Ubr5	MmuEX0050378	chr15	37926521	37926679	37926947	37927476	-
Ubr5	MmuEX0050379	chr15	37921937	37926310	37926521	37926679	-
Ubr5	MmuEX0050380	chr15	37918179	37919038	37919151	37919235	-
Ubr5	MmuEX0050381	chr15	37915954	37917959	37918179	37919038	-
Ubr5	MmuEX0050382	chr15	37913945	37915633	37915731	37915834	-
Ubr5	MmuEX0050383	chr15	37901647	37902130	37902233	37902658	-
Ubr5	MmuEX0050384	chr15	37938538	37938874	37938918	37939381	-
Ubr5	MmuEX0050385	chr15	37903213	37905342	37905426	37905815	-
Ubttd1	MmuEX0050386	chr19	42056498	42066682	42066795	42106379	+
Ubttd2	MmuEX0050387	chr11	32355546	32399225	32399461	32416090	+
Ubtfd	MmuEX0050388	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ubtfd	MmuEX0050389	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ubtfd	MmuEX0050390	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ubtfd	MmuEX0050391	chr11	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Ubxn2a	MmuEX0050404	chr12	4901485	4909026	4909078	4914155	-
Ubxn2a	MmuEX0050405	chr12	4901485	4908166	4908268	4909026	-
Ubxn2a	MmuEX0050406	chr12	4892664	4896624	4896659	4897984	-
Ubxn2a	MmuEX0050407	chr12	4892664	4901344	4901485	4909026	-
Ubxn2a	MmuEX0050408	chr12	4892664	4898121	4898227	4901344	-
Ubxn2a	MmuEX0050409	chr12	4892664	4897984	4898030	4898121	-
Ubxn2a	MmuEX0050410	chr12	4890787	4892527	4892664	4901344	-
Ubxn4	MmuEX0050415	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ubxn4	MmuEX0050416	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ubxn4	MmuEX0050417	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ubxn4	MmuEX0050418	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Ubxn4	MmuEX0050419	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+

Ubxn6	MmuEX0050420	chr17	56210150	56210311	56210408	56211824	-
Ubxn6	MmuEX0050421	chr17	56209036	56209114	56209198	56210075	-
Ubxn6	MmuEX0050422	chr17	56209677	56210075	56210150	56210311	-
Ubxn7	MmuEX0050423	chr16	32360161	32367430	32367495	32369401	+
Ubxn7	MmuEX0050424	chr16	32360161	32369401	32369513	32372480	+
Ubxn7	MmuEX0050425	chr16	32376110	32379847	32379918	32381348	+
Ubxn8	MmuEX0050426	chr8	34739846	34743974	34744099	34745761	-
Ubxn8	MmuEX0050427	chr8	34736837	34739709	34739846	34743974	-
Uchl1	MmuEX0050428	chr5	67067561	67067675	67067686	67068183	+
Uchl3	MmuEX0050429	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Uchl3	MmuEX0050431	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Uchl3	MmuEX0050432	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Uchl3	MmuEX0050433	chr14	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Uchl5	MmuEX0050434	chr1	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Uck2	MmuEX0050435	chr1	1.69E+08	1.69E+08	1.69E+08	1.69E+08	-
Uck2	MmuEX0050436	chr1	1.69E+08	1.69E+08	1.69E+08	1.69E+08	-
Uckl1	MmuEX0050437	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Uckl1	MmuEX0050438	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Uckl1	MmuEX0050439	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Ucp2	MmuEX0050442	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ucp2	MmuEX0050443	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ucp2	MmuEX0050444	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Ucp3	MmuEX0050445	chr7	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Uevld	MmuEX0050446	chr7	54193434	54195503	54195647	54199158	-
Ufc1	MmuEX0050447	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ufc1	MmuEX0050448	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ufc1	MmuEX0050449	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Ufd1l	MmuEX0050450	chr16	18815055	18815422	18815454	18817996	+
Ufd1l	MmuEX0050451	chr16	18815454	18817996	18818117	18821132	+
Ufd1l	MmuEX0050452	chr16	18812171	18812352	18812510	18814923	+
Ufm1	MmuEX0050453	chr3	53665194	53667536	53667592	53667671	-
Ufsp2	MmuEX0050454	chr8	47077586	47079369	47079445	47080892	+
Ufsp2	MmuEX0050455	chr8	47065846	47065927	47065993	47069395	+
Ufsp2	MmuEX0050456	chr8	47065993	47068877	47069034	47069395	+
Ufsp2	MmuEX0050457	chr8	47069034	47069395	47069587	47077102	+
Ufsp2	MmuEX0050458	chr8	47069587	47070676	47070822	47077102	+
Ugcg	MmuEX0050459	chr4	59220774	59224748	59224850	59226031	+
Ugcg	MmuEX0050460	chr4	59226132	59226737	59226849	59229908	+
Ugcg	MmuEX0050461	chr4	59230086	59231367	59231453	59232361	+
Uggt1	MmuEX0050462	chr1	36287585	36291652	36291787	36300915	-
Uggt1	MmuEX0050463	chr1	36258610	36259624	36259723	36264787	-
Uggt1	MmuEX0050464	chr1	36242813	36248374	36248459	36249231	-
Uggt1	MmuEX0050465	chr1	36239479	36241201	36241332	36242678	-
Uggt1	MmuEX0050466	chr1	36220255	36221289	36221368	36222354	-
Uggt1	MmuEX0050467	chr1	36233172	36233621	36233644	36234363	-
Uggt2	MmuEX0050473	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Uggt2	MmuEX0050475	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-

Uggt2	MmuEX0050480	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Uggt2	MmuEX0050481	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Uggt2	MmuEX0050482	chr14	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Ugp2	MmuEX0050485	chr11	21253459	21254282	21254409	21271018	-
Ugp2	MmuEX0050486	chr11	21223306	21228874	21229116	21229728	-
Ugp2	MmuEX0050487	chr11	21222132	21223202	21223306	21228874	-
Ugp2	MmuEX0050488	chr11	21233813	21253352	21253459	21254282	-
Uhmk1	MmuEX0050496	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Uhmk1	MmuEX0050497	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Uhmk1	MmuEX0050498	chr1	1.72E+08	1.72E+08	1.72E+08	1.72E+08	-
Uhrf1bp1	MmuEX0050500	chr17	28021052	28021379	28021549	28021858	+
Uhrf1bp1	MmuEX0050501	chr17	28013770	28013869	28013907	28014267	+
Uhrf1bp1	MmuEX0050502	chr17	28016358	28016596	28016736	28017080	+
Uhrf1bp1	MmuEX0050503	chr17	28013907	28014267	28014358	28016169	+
Uhrf1bp1	MmuEX0050504	chr17	28030474	28031492	28031754	28032215	+
Uhrf1bp1l	MmuEX0050505	chr10	89252126	89253296	89253478	89254108	+
Uhrf1bp1l	MmuEX0050506	chr10	89257369	89260985	89261130	89265764	+
Uhrf1bp1l	MmuEX0050507	chr10	89257369	89265764	89265957	89267457	+
Uhrf1bp1l	MmuEX0050508	chr10	89271405	89271901	89272093	89272373	+
Uhrf1bp1l	MmuEX0050509	chr10	89244012	89245315	89245485	89249850	+
Uhrf1bp1l	MmuEX0050510	chr10	89250030	89252043	89252126	89253296	+
Uhrf1bp1l	MmuEX0050511	chr10	89254226	89257228	89257369	89265764	+
Uhrf1bp1l	MmuEX0050512	chr10	89208033	89218166	89218299	89235332	+
Uhrf1bp1l	MmuEX0050513	chr10	89208033	89235332	89235494	89238684	+
Uhrf1bp1l	MmuEX0050514	chr10	89208033	89236825	89236863	89238684	+
Uhrf2	MmuEX0050515	chr19	30157330	30160736	30160898	30161666	+
Uhrf2	MmuEX0050516	chr19	30113787	30123956	30124162	30130725	+
Uhrf2	MmuEX0050517	chr19	30145951	30148384	30148493	30149574	+
Uhrf2	MmuEX0050518	chr19	30152627	30153030	30153137	30154329	+
Uhrf2	MmuEX0050519	chr19	30105421	30113554	30113787	30145733	+
Uhrf2	MmuEX0050520	chr19	30113787	30130725	30130984	30145733	+
Uimc1	MmuEX0050521	chr13	55187055	55194488	55194642	55201558	-
Uimc1	MmuEX0050522	chr13	55171168	55173831	55174081	55174984	-
Uimc1	MmuEX0050523	chr13	55132377	55132605	55132699	55136250	-
Uimc1	MmuEX0050524	chr13	55174081	55175050	55175156	55176619	-
Uimc1	MmuEX0050525	chr13	55171168	55174984	55175019	55176619	-
Uimc1	MmuEX0050526	chr13	55141984	55152102	55152255	55157336	-
Uimc1	MmuEX0050527	chr13	55130819	55132314	55132370	55136250	-
Uimc1	MmuEX0050528	chr13	55130079	55130777	55130819	55132314	-
Uimc1	MmuEX0050529	chr13	55171168	55177663	55177768	55178764	-
Uimc1	MmuEX0050530	chr13	55171168	55176619	55177355	55177663	-
Uimc1	MmuEX0050531	chr13	55161703	55171083	55171168	55176619	-
Ulk1	MmuEX0050532	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050533	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050534	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050535	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050536	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-

Ulk1	MmuEX0050537	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050538	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050539	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050540	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050541	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk1	MmuEX0050542	chr5	1.11E+08	1.11E+08	1.11E+08	1.11E+08	-
Ulk2	MmuEX0050543	chr11	61654833	61664564	61664605	61666768	-
Ulk2	MmuEX0050544	chr11	61632958	61638141	61638229	61639344	-
Ulk2	MmuEX0050545	chr11	61605085	61612565	61612668	61612962	-
Ulk2	MmuEX0050546	chr11	61605085	61611860	61611969	61612565	-
Ulk2	MmuEX0050547	chr11	61601139	61604936	61605085	61612565	-
Ulk2	MmuEX0050548	chr11	61597217	61600931	61601139	61604936	-
Ulk2	MmuEX0050549	chr11	61642952	61644092	61644193	61646915	-
Ulk2	MmuEX0050550	chr11	61648455	61654801	61654833	61664564	-
Ulk2	MmuEX0050551	chr11	61648455	61653612	61653648	61654801	-
Ulk2	MmuEX0050552	chr11	61595626	61597039	61597217	61600931	-
Ulk2	MmuEX0050553	chr11	61593311	61595508	61595626	61600931	-
Ulk2	MmuEX0050554	chr11	61593311	61595094	61595251	61600931	-
Ulk2	MmuEX0050555	chr11	61617289	61621564	61621701	61626220	-
Ulk2	MmuEX0050556	chr11	61615065	61617144	61617289	61621564	-
Ulk3	MmuEX0050557	chr9	57441074	57441265	57441305	57441558	+
Ulk3	MmuEX0050558	chr9	57441305	57441558	57441660	57441789	+
Ulk3	MmuEX0050559	chr9	57442019	57442091	57442131	57442414	+
Ulk3	MmuEX0050560	chr9	57439944	57440138	57440220	57440626	+
Umps	MmuEX0050580	chr16	33962326	33963858	33964011	33966912	-
Umps	MmuEX0050581	chr16	33957021	33960263	33960438	33961655	-
Umps	MmuEX0050582	chr16	33957021	33959139	33959253	33960263	-
Unc119	MmuEX0050583	chr11	78160833	78161299	78161401	78161589	+
Unc13b	MmuEX0050594	chr4	43253260	43253879	43254029	43256107	+
Unc13b	MmuEX0050595	chr4	43256175	43257574	43257663	43258340	+
Unc13b	MmuEX0050596	chr4	43258468	43262329	43262453	43263089	+
Unc13b	MmuEX0050597	chr4	43270807	43271022	43271174	43271293	+
Unc13b	MmuEX0050599	chr4	43252338	43252718	43252833	43253097	+
Unc13b	MmuEX0050600	chr4	43272481	43273865	43273921	43274554	+
Unc13b	MmuEX0050601	chr4	43072157	43100775	43100804	43104100	+
Unc13b	MmuEX0050604	chr4	43072157	43104100	43104199	43127975	+
Unc13b	MmuEX0050605	chr4	43104199	43108618	43108735	43127975	+
Unc13b	MmuEX0050606	chr4	43072157	43109771	43109894	43127975	+
Unc13b	MmuEX0050607	chr4	43072157	43114673	43114746	43127975	+
Unc13b	MmuEX0050608	chr4	43114746	43127975	43128032	43178616	+
Unc13b	MmuEX0050609	chr4	43128032	43174315	43174350	43178616	+
Unc45a	MmuEX0050620	chr7	87479076	87479581	87479749	87481192	-
Unc45a	MmuEX0050621	chr7	87478034	87478906	87479076	87479581	-
Unc45a	MmuEX0050622	chr7	87470763	87470899	87471054	87471195	-
Unc45a	MmuEX0050623	chr7	87472917	87473339	87473405	87473579	-
Unc45a	MmuEX0050624	chr7	87474533	87475224	87475318	87476439	-
Unc45a	MmuEX0050625	chr7	87484236	87484437	87484593	87484955	-

Unc5b	MmuEX0050629	chr10	60242986	60245806	60246030	60293835	-
Unc5b	MmuEX0050630	chr10	60232005	60234926	60235159	60235237	-
Unc5b	MmuEX0050631	chr10	60239965	60240138	60240302	60240916	-
Unc5b	MmuEX0050632	chr10	60237908	60239933	60239965	60240138	-
Unc93b1	MmuEX0050662	chr19	3944296	3947007	3947125	3948628	+
Unc93b1	MmuEX0050663	chr19	3936422	3941520	3941681	3941885	+
Unc93b1	MmuEX0050664	chr19	3943711	3944023	3944296	3947007	+
Ung	MmuEX0050666	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Unk	MmuEX0050667	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Unk	MmuEX0050668	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Unk	MmuEX0050670	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Unk	MmuEX0050671	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Unk	MmuEX0050672	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Unk	MmuEX0050673	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	+
Unkl	MmuEX0050675	chr17	25326620	25336712	25336888	25337987	+
Unkl	MmuEX0050677	chr17	25350051	25355523	25355700	25365528	+
Upf1	MmuEX0050681	chr8	72866076	72867234	72867323	72868125	-
Upf1	MmuEX0050682	chr8	72859670	72860916	72861129	72861388	-
Upf1	MmuEX0050683	chr8	72865539	72865909	72866076	72867234	-
Upf2	MmuEX0050684	chr2	5909518	5919424	5919513	5924591	+
Upf2	MmuEX0050685	chr2	5924699	5927568	5927746	5931361	+
Upf2	MmuEX0050686	chr2	5944514	5947161	5947364	5948259	+
Upf2	MmuEX0050687	chr2	5894675	5896954	5897148	5900820	+
Upf2	MmuEX0050688	chr2	5900969	5904038	5904141	5909433	+
Upf2	MmuEX0050689	chr2	5904141	5909433	5909518	5924591	+
Upf2	MmuEX0050690	chr2	5909518	5924591	5924699	5931361	+
Upf2	MmuEX0050691	chr2	5972675	5972931	5973230	5976479	+
Upf2	MmuEX0050692	chr2	5872599	5873474	5873667	5878517	+
Upf2	MmuEX0050693	chr2	5947364	5948259	5948534	5950408	+
Upf3a	MmuEX0050694	chr8	13786253	13787365	13787471	13791882	+
Upf3a	MmuEX0050695	chr8	13791980	13792100	13792210	13795440	+
Upf3a	MmuEX0050696	chr8	13795739	13796459	13796592	13798177	+
Upf3a	MmuEX0050697	chr8	13796592	13797805	13797919	13798177	+
Upf3a	MmuEX0050698	chr8	13785884	13786147	13786253	13787365	+
Upf3b	MmuEX0050699	chrX	34635817	34636853	34637013	34639502	-
Upf3b	MmuEX0050700	chrX	34637013	34637655	34637703	34639061	-
Upf3b	MmuEX0050701	chrX	34644522	34648910	34649016	34649143	-
Upf3b	MmuEX0050702	chrX	34642132	34642650	34642769	34644424	-
Upf3b	MmuEX0050703	chrX	34637013	34639061	34639099	34639502	-
Upf3b	MmuEX0050704	chrX	34642132	34644424	34644522	34648910	-
Upk1a	MmuEX0050705	chr7	31388874	31390080	31390259	31391894	-
Upp1	MmuEX0050709	chr11	9019452	9019896	9020003	9025636	+
Upp1	MmuEX0050710	chr11	9018287	9018634	9018663	9019377	+
Upp1	MmuEX0050711	chr11	9019452	9025636	9025701	9029491	+
Uppt	MmuEX0050716	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Uppt	MmuEX0050717	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Uppt	MmuEX0050718	chrX	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+

Uqcc	MmuEX0050720	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Uqcc	MmuEX0050721	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Uqcc	MmuEX0050722	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Uqcc	MmuEX0050723	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Uqcc	MmuEX0050724	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Uqcc	MmuEX0050725	chr2	1.56E+08	1.56E+08	1.56E+08	1.56E+08	-
Uqcr10	MmuEX0050726	chr11	4602223	4603907	4603992	4604104	-
Uqcr11	MmuEX0050727	chr10	79867031	79867257	79867320	79869245	-
Uqcrc1	MmuEX0050728	chr9	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Urb1	MmuEX0050729	chr16	90789353	90791320	90791457	90792931	-
Urb1	MmuEX0050730	chr16	90787689	90788329	90788458	90789180	-
Urb1	MmuEX0050731	chr16	90777817	90779293	90779486	90780448	-
Urb1	MmuEX0050732	chr16	90776549	90777599	90777817	90779293	-
Urb1	MmuEX0050733	chr16	90761979	90762512	90762672	90766900	-
Urb1	MmuEX0050734	chr16	90756516	90757988	90758097	90760044	-
Urb1	MmuEX0050735	chr16	90798223	90800265	90800361	90803572	-
Urb1	MmuEX0050736	chr16	90775146	90776370	90776549	90777599	-
Urb2	MmuEX0050737	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Urb2	MmuEX0050738	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Urb2	MmuEX0050739	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Urb2	MmuEX0050740	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Urb2	MmuEX0050741	chr8	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Urgcp	MmuEX0050742	chr11	5626421	5626834	5626860	5641100	-
Urgcp	MmuEX0050743	chr11	5623164	5626351	5626421	5626834	-
Urgcp	MmuEX0050744	chr11	5622843	5623114	5623164	5626351	-
Urgcp	MmuEX0050745	chr11	5618266	5622805	5622843	5623114	-
Urgcp	MmuEX0050746	chr11	5618266	5619870	5619873	5622805	-
Urm1	MmuEX0050747	chr2	29682955	29688212	29688282	29696922	+
Urm1	MmuEX0050748	chr2	29697003	29697985	29698066	29698241	+
Urod	MmuEX0050751	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Urod	MmuEX0050752	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Urod	MmuEX0050753	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Urod	MmuEX0050754	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Urod	MmuEX0050755	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Uros	MmuEX0050756	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Uros	MmuEX0050757	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Uros	MmuEX0050758	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Uros	MmuEX0050759	chr7	1.41E+08	1.41E+08	1.41E+08	1.41E+08	-
Use1	MmuEX0050760	chr8	73892776	73893031	73893202	73893426	+
Use1	MmuEX0050761	chr8	73891592	73891669	73891747	73891858	+
Use1	MmuEX0050762	chr8	73891747	73891858	73892010	73892449	+
Use1	MmuEX0050763	chr8	73892461	73892749	73892776	73893028	+
Use1	MmuEX0050764	chr8	73891268	73891543	73891592	73891669	+
Usf2	MmuEX0050765	chr7	31741286	31741401	31741447	31741715	-
Usf2	MmuEX0050766	chr7	31739821	31741168	31741286	31741715	-
Usf2	MmuEX0050767	chr7	31740459	31740900	31741019	31741168	-
Usf2	MmuEX0050768	chr7	31740212	31740309	31740459	31740819	-

Usf2	MmuEX0050769	chr7	31739821	31740125	31740212	31740309	-
Ush1c	MmuEX0050770	chr7	53451104	53452082	53452167	53452566	-
Ush1c	MmuEX0050771	chr7	53452621	53453723	53453832	53456344	-
Ush1c	MmuEX0050772	chr7	53457044	53471388	53471449	53474669	-
Ushbp1	MmuEX0050787	chr8	73914953	73916289	73916414	73918274	-
Ushbp1	MmuEX0050788	chr8	73914084	73914540	73914680	73914820	-
Ushbp1	MmuEX0050789	chr8	73909937	73910086	73910171	73911249	-
Ushbp1	MmuEX0050790	chr8	73918709	73918949	73919070	73919239	-
Ushbp1	MmuEX0050791	chr8	73912904	73913940	73914084	73914540	-
Ushbp1	MmuEX0050792	chr8	73911476	73912655	73912904	73914540	-
Uso1	MmuEX0050793	chr5	92567189	92581467	92581553	92581878	+
Uso1	MmuEX0050794	chr5	92616842	92616969	92617150	92618249	+
Uso1	MmuEX0050795	chr5	92627460	92627968	92628034	92628843	+
Uso1	MmuEX0050796	chr5	92581553	92581878	92581942	92616724	+
Uso1	MmuEX0050797	chr5	92581553	92610366	92610520	92616724	+
Uso1	MmuEX0050798	chr5	92581553	92610924	92611135	92616724	+
Uso1	MmuEX0050799	chr5	92611135	92612508	92612528	92616261	+
Uso1	MmuEX0050800	chr5	92581553	92616261	92616371	92616724	+
Uso1	MmuEX0050801	chr5	92581553	92587430	92587506	92616724	+
Uso1	MmuEX0050802	chr5	92581553	92595557	92595657	92616724	+
Uso1	MmuEX0050803	chr5	92581553	92596052	92596154	92616724	+
Uso1	MmuEX0050804	chr5	92581553	92596304	92596359	92616724	+
Uso1	MmuEX0050805	chr5	92581553	92599699	92599819	92616724	+
Uso1	MmuEX0050806	chr5	92581553	92602952	92603130	92616724	+
Uso1	MmuEX0050807	chr5	92581553	92606461	92606601	92616724	+
Uso1	MmuEX0050808	chr5	92581553	92609568	92609656	92616724	+
Uso1	MmuEX0050809	chr5	92623201	92624374	92624460	92627362	+
Uso1	MmuEX0050810	chr5	92624460	92627362	92627460	92628843	+
Usp1	MmuEX0050811	chr4	98590934	98593146	98593365	98594925	+
Usp10	MmuEX0050812	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050813	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050814	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050815	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050816	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050817	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050818	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp10	MmuEX0050819	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Usp11	MmuEX0050820	chrX	20281245	20288875	20288984	20289156	+
Usp11	MmuEX0050821	chrX	20281245	20284038	20284108	20288875	+
Usp12	MmuEX0050824	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Usp12	MmuEX0050825	chr5	1.48E+08	1.48E+08	1.48E+08	1.48E+08	-
Usp13	MmuEX0050826	chr3	32793811	32800877	32801030	32804212	+
Usp13	MmuEX0050827	chr3	32813143	32813910	32813936	32814591	+
Usp13	MmuEX0050828	chr3	32830664	32831533	32831640	32832062	+
Usp13	MmuEX0050829	chr3	32716794	32736758	32736883	32746732	+
Usp13	MmuEX0050830	chr3	32746792	32753478	32753599	32760693	+
Usp13	MmuEX0050831	chr3	32801030	32804212	32804386	32813021	+

Usp13	MmuEX0050832	chr3	32804386	32810495	32810583	32813021	+
Usp14	MmuEX0050833	chr18	10007845	10009950	10010080	10012211	-
Usp14	MmuEX0050834	chr18	10007845	10008100	10008263	10009950	-
Usp14	MmuEX0050835	chr18	10016642	10017989	10018093	10022816	-
Usp15	MmuEX0050836	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050837	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050838	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050839	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050840	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050841	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050842	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp15	MmuEX0050843	chr10	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp16	MmuEX0050844	chr16	87470107	87470599	87470694	87471957	+
Usp16	MmuEX0050845	chr16	87472087	87472326	87472413	87473352	+
Usp16	MmuEX0050846	chr16	87481214	87481959	87482045	87483105	+
Usp16	MmuEX0050847	chr16	87455347	87456205	87456253	87458886	+
Usp16	MmuEX0050848	chr16	87458987	87462210	87462385	87464980	+
Usp16	MmuEX0050849	chr16	87472413	87473352	87473430	87474827	+
Usp16	MmuEX0050850	chr16	87474918	87475662	87475718	87476959	+
Usp16	MmuEX0050851	chr16	87480034	87481120	87481214	87481959	+
Usp18	MmuEX0050852	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Usp18	MmuEX0050853	chr6	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Usp19	MmuEX0050854	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp19	MmuEX0050855	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp2	MmuEX0050856	chr9	43875303	43883449	43884305	43897215	+
Usp20	MmuEX0050857	chr2	30860020	30860452	30860521	30861904	+
Usp20	MmuEX0050858	chr2	30860521	30861904	30862017	30863299	+
Usp20	MmuEX0050859	chr2	30862017	30863299	30863377	30865686	+
Usp20	MmuEX0050860	chr2	30867016	30867143	30867315	30867827	+
Usp20	MmuEX0050861	chr2	30855630	30858076	30858138	30858436	+
Usp20	MmuEX0050862	chr2	30838031	30838540	30838676	30851568	+
Usp20	MmuEX0050863	chr2	30875407	30876349	30876420	30876844	+
Usp20	MmuEX0050864	chr2	30851667	30854293	30854388	30855577	+
Usp21	MmuEX0050865	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Usp21	MmuEX0050866	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Usp21	MmuEX0050867	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Usp21	MmuEX0050868	chr1	1.73E+08	1.73E+08	1.73E+08	1.73E+08	-
Usp22	MmuEX0050869	chr11	60968015	60968682	60968831	60969270	-
Usp22	MmuEX0050870	chr11	60974179	60974816	60974963	60976329	-
Usp24	MmuEX0050871	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050872	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050873	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050874	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050875	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050876	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050877	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050878	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+

Usp24	MmuEX0050879	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050880	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050881	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050882	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050883	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050884	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050885	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp24	MmuEX0050886	chr4	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Usp25	MmuEX0050887	chr16	77014385	77034148	77034225	77037593	+
Usp25	MmuEX0050888	chr16	77014385	77037593	77037737	77048687	+
Usp25	MmuEX0050889	chr16	77072037	77075104	77075231	77075516	+
Usp25	MmuEX0050890	chr16	77075231	77075516	77075611	77076605	+
Usp25	MmuEX0050891	chr16	77093987	77097894	77098007	77099896	+
Usp25	MmuEX0050892	chr16	77098007	77099896	77099991	77108130	+
Usp25	MmuEX0050893	chr16	77059545	77062641	77062717	77069298	+
Usp25	MmuEX0050894	chr16	77050805	77055399	77055485	77059408	+
Usp25	MmuEX0050895	chr16	77062717	77069298	77069371	77071889	+
Usp28	MmuEX0050900	chr9	48824914	48826477	48826572	48832011	+
Usp28	MmuEX0050901	chr9	48839026	48840319	48840458	48843698	+
Usp28	MmuEX0050902	chr9	48843876	48843987	48844065	48845282	+
Usp28	MmuEX0050903	chr9	48812087	48816177	48816269	48816534	+
Usp28	MmuEX0050904	chr9	48823355	48824787	48824914	48826477	+
Usp28	MmuEX0050905	chr9	48793642	48808456	48808533	48809613	+
Usp28	MmuEX0050906	chr9	48809745	48811096	48811201	48811928	+
Usp28	MmuEX0050907	chr9	48817338	48818348	48818421	48819368	+
Usp28	MmuEX0050908	chr9	48826572	48832086	48832190	48833873	+
Usp28	MmuEX0050909	chr9	48834994	48836178	48836406	48838832	+
Usp28	MmuEX0050910	chr9	48840458	48840614	48840793	48843698	+
Usp28	MmuEX0050911	chr9	48840458	48841682	48841777	48843698	+
Usp28	MmuEX0050912	chr9	48844065	48845282	48845361	48847087	+
Usp28	MmuEX0050913	chr9	48844065	48845873	48845996	48847087	+
Usp3	MmuEX0050916	chr9	66410492	66414650	66414710	66440591	-
Usp3	MmuEX0050917	chr9	66375028	66378051	66378197	66387869	-
Usp3	MmuEX0050918	chr9	66368534	66374746	66374826	66374922	-
Usp3	MmuEX0050919	chr9	66395762	66410361	66410492	66414650	-
Usp3	MmuEX0050920	chr9	66387982	66390320	66390420	66391753	-
Usp30	MmuEX0050921	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Usp30	MmuEX0050922	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Usp30	MmuEX0050923	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Usp30	MmuEX0050924	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Usp30	MmuEX0050925	chr5	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Usp31	MmuEX0050927	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Usp31	MmuEX0050928	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Usp31	MmuEX0050929	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Usp31	MmuEX0050930	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Usp31	MmuEX0050931	chr7	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Usp32	MmuEX0050932	chr11	84897396	84917401	84917528	84953213	-

Usp32	MmuEX0050933	chr11	84835809	84836233	84836407	84839021	-
Usp32	MmuEX0050934	chr11	84823645	84826072	84826199	84831132	-
Usp32	MmuEX0050935	chr11	84808079	84809157	84809233	84819310	-
Usp32	MmuEX0050936	chr11	84800085	84800771	84800863	84801836	-
Usp32	MmuEX0050937	chr11	84802260	84805955	84806243	84807888	-
Usp32	MmuEX0050938	chr11	84852843	84853497	84853672	84855990	-
Usp32	MmuEX0050939	chr11	84845725	84847773	84847808	84849982	-
Usp32	MmuEX0050940	chr11	84863950	84897291	84897396	84917401	-
Usp32	MmuEX0050941	chr11	84863950	84894633	84894751	84917401	-
Usp32	MmuEX0050942	chr11	84863950	84890767	84890926	84917401	-
Usp32	MmuEX0050943	chr11	84863950	84872630	84872761	84917401	-
Usp32	MmuEX0050944	chr11	84863950	84869268	84869375	84917401	-
Usp32	MmuEX0050945	chr11	84863950	84867436	84867551	84917401	-
Usp32	MmuEX0050946	chr11	84863950	84867150	84867212	84917401	-
Usp32	MmuEX0050947	chr11	84863950	84864693	84864776	84917401	-
Usp33	MmuEX0050948	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050949	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050950	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050951	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050952	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050953	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050954	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050955	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050956	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050957	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050958	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050959	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp33	MmuEX0050960	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Usp34	MmuEX0050961	chr11	23249343	23251592	23251653	23254845	+
Usp34	MmuEX0050962	chr11	23285172	23285585	23285739	23288434	+
Usp34	MmuEX0050963	chr11	23285172	23288434	23288560	23288664	+
Usp34	MmuEX0050964	chr11	23303895	23305867	23305953	23312215	+
Usp34	MmuEX0050965	chr11	23305953	23312215	23312415	23314736	+
Usp34	MmuEX0050966	chr11	23314818	23317463	23317503	23317649	+
Usp34	MmuEX0050967	chr11	23326795	23328314	23328441	23329300	+
Usp34	MmuEX0050968	chr11	23333274	23335907	23336079	23338867	+
Usp34	MmuEX0050969	chr11	23339020	23341100	23341178	23344147	+
Usp34	MmuEX0050970	chr11	23344200	23344306	23344401	23346432	+
Usp34	MmuEX0050971	chr11	23245217	23246719	23246778	23249151	+
Usp34	MmuEX0050972	chr11	23245217	23249151	23249343	23251592	+
Usp34	MmuEX0050973	chr11	23384181	23386818	23386958	23387079	+
Usp34	MmuEX0050974	chr11	23261716	23262577	23262612	23263058	+
Usp34	MmuEX0050975	chr11	23281379	23282554	23282667	23284401	+
Usp34	MmuEX0050976	chr11	23319131	23320040	23320144	23321098	+
Usp34	MmuEX0050977	chr11	23332534	23332619	23332696	23333180	+
Usp34	MmuEX0050978	chr11	23387222	23388209	23388368	23388584	+
Usp34	MmuEX0050979	chr11	23220748	23233439	23233859	23243320	+

Usp34	MmuEX0050980	chr11	23220748	23243320	23243370	23243511	+
Usp34	MmuEX0050981	chr11	23373054	23373170	23373294	23384102	+
Usp34	MmuEX0050982	chr11	23373054	23374266	23374389	23384102	+
Usp36	MmuEX0050988	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Usp36	MmuEX0050989	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Usp36	MmuEX0050990	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Usp36	MmuEX0050991	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Usp36	MmuEX0050992	chr11	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Usp37	MmuEX0050994	chr1	74526323	74532555	74532629	74533193	-
Usp37	MmuEX0050995	chr1	74521718	74524621	74524705	74526226	-
Usp37	MmuEX0050996	chr1	74488175	74490987	74491102	74497069	-
Usp37	MmuEX0050997	chr1	74518260	74521560	74521718	74524621	-
Usp37	MmuEX0050998	chr1	74502794	74506489	74506554	74508140	-
Usp38	MmuEX0051000	chr8	83529360	83536066	83536201	83537654	-
Usp38	MmuEX0051001	chr8	83509699	83511386	83511492	83513906	-
Usp38	MmuEX0051002	chr8	83525053	83529231	83529360	83536066	-
Usp38	MmuEX0051003	chr8	83513999	83515503	83515688	83517095	-
Usp38	MmuEX0051004	chr8	83519739	83524952	83525053	83529231	-
Usp38	MmuEX0051005	chr8	83519739	83524296	83524411	83524952	-
Usp39	MmuEX0051006	chr6	72271385	72271499	72271636	72275640	-
Usp39	MmuEX0051007	chr6	72279511	72283104	72283181	72286254	-
Usp4	MmuEX0051008	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp4	MmuEX0051009	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp4	MmuEX0051010	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp4	MmuEX0051011	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp4	MmuEX0051012	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp4	MmuEX0051013	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp4	MmuEX0051014	chr9	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Usp40	MmuEX0051015	chr1	89878755	89880329	89880410	89882477	-
Usp40	MmuEX0051016	chr1	89849033	89850587	89850626	89850726	-
Usp40	MmuEX0051017	chr1	89864173	89870652	89870709	89872383	-
Usp40	MmuEX0051018	chr1	89864173	89864971	89865024	89872383	-
Usp40	MmuEX0051019	chr1	89863845	89864085	89864173	89872383	-
Usp40	MmuEX0051020	chr1	89900889	89901535	89901666	89903800	-
Usp40	MmuEX0051021	chr1	89899097	89900822	89900889	89903800	-
Usp42	MmuEX0051022	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Usp42	MmuEX0051023	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Usp42	MmuEX0051024	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Usp42	MmuEX0051025	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Usp43	MmuEX0051029	chr11	67688929	67689875	67690033	67693298	-
Usp45	MmuEX0051033	chr4	21703464	21707488	21707597	21708883	+
Usp45	MmuEX0051034	chr4	21724075	21724442	21724537	21725820	+
Usp45	MmuEX0051035	chr4	21744085	21744648	21744791	21751564	+
Usp45	MmuEX0051036	chr4	21757650	21759311	21759464	21761382	+
Usp45	MmuEX0051037	chr4	21711940	21723933	21724075	21724442	+
Usp45	MmuEX0051038	chr4	21725882	21731373	21731460	21737889	+
Usp45	MmuEX0051039	chr4	21752224	21753301	21753398	21757564	+

Usp46	MmuEX0051040	chr5	74399376	74401848	74401931	74412685	-
Usp46	MmuEX0051041	chr5	74425395	74428329	74428542	74433058	-
Usp47	MmuEX0051042	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051043	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051044	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051045	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051046	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051047	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051048	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051049	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp47	MmuEX0051050	chr7	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Usp48	MmuEX0051051	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051052	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051053	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051054	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051055	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051056	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051057	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051058	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051059	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051060	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051061	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051062	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051063	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051064	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051065	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051066	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051067	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051068	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp48	MmuEX0051069	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Usp5	MmuEX0051070	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Usp5	MmuEX0051071	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Usp5	MmuEX0051072	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Usp53	MmuEX0051075	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp53	MmuEX0051076	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp53	MmuEX0051077	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp53	MmuEX0051079	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp53	MmuEX0051080	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp53	MmuEX0051081	chr3	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Usp54	MmuEX0051082	chr14	21405371	21406881	21407019	21407297	-
Usp54	MmuEX0051083	chr14	21400849	21401058	21401115	21402544	-
Usp54	MmuEX0051084	chr14	21385284	21389470	21389637	21392990	-
Usp54	MmuEX0051085	chr14	21384285	21385165	21385284	21389470	-
Usp54	MmuEX0051086	chr14	21384285	21384601	21384644	21385165	-
Usp54	MmuEX0051087	chr14	21381464	21384090	21384285	21385165	-
Usp54	MmuEX0051089	chr14	21369682	21371296	21371482	21375469	-
Usp54	MmuEX0051090	chr14	21408709	21410701	21410835	21423274	-

Usp54	MmuEX0051091	chr14	21408709	21409050	21409134	21410701	-
Usp54	MmuEX0051092	chr14	21396808	21400679	21400849	21402544	-
Usp54	MmuEX0051093	chr14	21402712	21405222	21405371	21407297	-
Usp54	MmuEX0051094	chr14	21408488	21408596	21408709	21410701	-
Usp54	MmuEX0051095	chr14	21410835	21423274	21423366	21426304	-
Usp6nl	MmuEX0051096	chr2	6330055	6331042	6331194	6335979	+
Usp6nl	MmuEX0051097	chr2	6330055	6335979	6336086	6341949	+
Usp6nl	MmuEX0051098	chr2	6345438	6347941	6348035	6348598	+
Usp6nl	MmuEX0051099	chr2	6348663	6348758	6348857	6351472	+
Usp6nl	MmuEX0051100	chr2	6257505	6312101	6312168	6321326	+
Usp6nl	MmuEX0051101	chr2	6312168	6315519	6315601	6321326	+
Usp6nl	MmuEX0051102	chr2	6315601	6321326	6321365	6329975	+
Usp7	MmuEX0051103	chr16	8706233	8706692	8706822	8707731	-
Usp7	MmuEX0051104	chr16	8705277	8705602	8705702	8706179	-
Usp7	MmuEX0051105	chr16	8694573	8695124	8695277	8695909	-
Usp7	MmuEX0051106	chr16	8696009	8696770	8696837	8696920	-
Usp7	MmuEX0051107	chr16	8712285	8715838	8716012	8716608	-
Usp7	MmuEX0051108	chr16	8710270	8712226	8712285	8716608	-
Usp8	MmuEX0051109	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Usp8	MmuEX0051110	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Usp8	MmuEX0051111	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Usp8	MmuEX0051112	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Usp8	MmuEX0051113	chr2	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Usp9x	MmuEX0051114	chrX	12648859	12649341	12649451	12671050	+
Usp9x	MmuEX0051115	chrX	12648859	12671050	12671303	12675576	+
Usp9x	MmuEX0051116	chrX	12687354	12688218	12688322	12690686	+
Usp9x	MmuEX0051117	chrX	12649451	12650235	12650283	12671050	+
Usp9x	MmuEX0051118	chrX	12650283	12651023	12651091	12671050	+
Usp9x	MmuEX0051119	chrX	12725261	12728396	12728569	12731218	+
Usp9x	MmuEX0051120	chrX	12734918	12735845	12736070	12736900	+
Usp9x	MmuEX0051121	chrX	12737029	12737873	12738058	12738440	+
Uspl1	MmuEX0051124	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Uspl1	MmuEX0051125	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Uspl1	MmuEX0051126	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Uspl1	MmuEX0051127	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Uspl1	MmuEX0051128	chr5	1.5E+08	1.5E+08	1.5E+08	1.5E+08	+
Ust	MmuEX0051131	chr10	7927468	7965701	7965858	8017854	-
Utp11l	MmuEX0051134	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Utp11l	MmuEX0051135	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Utp11l	MmuEX0051136	chr4	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Utp14a	MmuEX0051137	chrX	45631737	45631845	45631944	45635239	+
Utp14a	MmuEX0051138	chrX	45612970	45613763	45613827	45616072	+
Utp14a	MmuEX0051139	chrX	45616809	45622031	45622098	45625977	+
Utp14a	MmuEX0051140	chrX	45626096	45626199	45626293	45631544	+
Utp14a	MmuEX0051141	chrX	45626096	45626867	45626990	45631544	+
Utp14a	MmuEX0051142	chrX	45626096	45627076	45627153	45631544	+
Utp14a	MmuEX0051143	chrX	45626096	45627978	45628365	45631544	+

Utp14a	MmuEX0051144	chrX	45626096	45630399	45630796	45631544	+
Utp15	MmuEX0051145	chr13	99020585	99020740	99020873	99021884	-
Utp15	MmuEX0051146	chr13	99027181	99027791	99027969	99029060	-
Utp15	MmuEX0051147	chr13	99025009	99027056	99027181	99027791	-
Utp18	MmuEX0051148	chr11	93722151	93723273	93723415	93727660	-
Utp18	MmuEX0051149	chr11	93737272	93737369	93737494	93739298	-
Utp18	MmuEX0051150	chr11	93731894	93735945	93736096	93737098	-
Utp18	MmuEX0051151	chr11	93731210	93731794	93731894	93737098	-
Utp20	MmuEX0051152	chr10	88280070	88280611	88280766	88281234	-
Utp20	MmuEX0051153	chr10	88278691	88279623	88279757	88279924	-
Utp20	MmuEX0051154	chr10	88267426	88268881	88268943	88270072	-
Utp20	MmuEX0051155	chr10	88263938	88267268	88267426	88268881	-
Utp20	MmuEX0051156	chr10	88261266	88261429	88261508	88263862	-
Utp20	MmuEX0051157	chr10	88241191	88243693	88243772	88245318	-
Utp20	MmuEX0051158	chr10	88240294	88240968	88241191	88243693	-
Utp20	MmuEX0051159	chr10	88233569	88234607	88234744	88235173	-
Utp20	MmuEX0051160	chr10	88233199	88233430	88233569	88234607	-
Utp20	MmuEX0051161	chr10	88224629	88225514	88225680	88227419	-
Utp20	MmuEX0051162	chr10	88221219	88223615	88223731	88224488	-
Utp20	MmuEX0051163	chr10	88219880	88220602	88220733	88221049	-
Utp20	MmuEX0051164	chr10	88214277	88215652	88215784	88216381	-
Utp20	MmuEX0051165	chr10	88212286	88213397	88213468	88214090	-
Utp20	MmuEX0051166	chr10	88213468	88214090	88214277	88215652	-
Utp6	MmuEX0051167	chr11	79772380	79772611	79772652	79774249	-
Utp6	MmuEX0051168	chr11	79749611	79751175	79751247	79754396	-
Utrn	MmuEX0051169	chr10	12533337	12581366	12581533	12588553	-
Utrn	MmuEX0051170	chr10	12459368	12463843	12464003	12465030	-
Utrn	MmuEX0051171	chr10	12458064	12459165	12459368	12463843	-
Utrn	MmuEX0051172	chr10	12434172	12439816	12440740	12446009	-
Utrn	MmuEX0051173	chr10	12429976	12431236	12431381	12433052	-
Utrn	MmuEX0051174	chr10	12465145	12470263	12470340	12485069	-
Utrn	MmuEX0051175	chr10	12471385	12485069	12485130	12581366	-
Utrn	MmuEX0051176	chr10	12417942	12418800	12418913	12429764	-
Utrn	MmuEX0051177	chr10	12413332	12417787	12417942	12418800	-
Utrn	MmuEX0051178	chr10	12406279	12408091	12408225	12410528	-
Utrn	MmuEX0051179	chr10	12404369	12406130	12406279	12408091	-
Utrn	MmuEX0051180	chr10	12374632	12378294	12378469	12380577	-
Utrn	MmuEX0051181	chr10	12356599	12360725	12360842	12363201	-
Utrn	MmuEX0051182	chr10	12258011	12340989	12341178	12353742	-
Utrn	MmuEX0051183	chr10	12221305	12245136	12245292	12257839	-
Utrn	MmuEX0051184	chr10	12198289	12201022	12201168	12206184	-
Utrn	MmuEX0051185	chr10	12175362	12183084	12183158	12184979	-
Utrn	MmuEX0051186	chr10	12156190	12159425	12159591	12161734	-
Utrn	MmuEX0051187	chr10	12141531	12156079	12156190	12159425	-
Utrn	MmuEX0051188	chr10	12135044	12135249	12135287	12141395	-
Uty	MmuEX0051189	chrY	507445	511171	511297	512934	-
Uty	MmuEX0051190	chrY	474314	488391	488596	489212	-

Uty	MmuEX0051191	chrY	467666	471315	471429	473291	-
Uty	MmuEX0051192	chrY	435016	436025	436195	439208	-
Uty	MmuEX0051193	chrY	473439	474101	474175	474250	-
Uty	MmuEX0051194	chrY	495077	497622	497673	504533	-
Uty	MmuEX0051195	chrY	504628	505566	505700	506408	-
Uty	MmuEX0051196	chrY	581662	581850	581955	581956	-
Uty	MmuEX0051197	chrY	576262	576435	576590	581599	-
Uty	MmuEX0051198	chrY	560989	576154	576262	581599	-
Uty	MmuEX0051200	chrY	535956	560940	560989	576154	-
Uty	MmuEX0051201	chrY	525833	535898	535956	560940	-
Uty	MmuEX0051202	chrY	525833	533649	533769	535898	-
Uvrag	MmuEX0051203	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051204	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051205	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051206	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051207	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051208	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051209	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uvrag	MmuEX0051210	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	-
Uxs1	MmuEX0051211	chr1	43862519	43864195	43864222	43884460	-
Uxs1	MmuEX0051212	chr1	43821854	43828526	43828647	43831662	-
Uxs1	MmuEX0051213	chr1	43813877	43814526	43814566	43817366	-
Uxs1	MmuEX0051214	chr1	43817409	43821735	43821854	43828526	-
Uxs1	MmuEX0051215	chr1	43864222	43873721	43873809	43884460	-
Uxs1	MmuEX0051216	chr1	43837014	43862471	43862519	43884460	-
Uxt	MmuEX0051220	chrX	20518923	20536484	20536591	20536861	-
Uxt	MmuEX0051221	chrX	20518923	20529334	20529397	20536861	-
Vac14	MmuEX0051222	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051223	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051224	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051225	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051226	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051227	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051228	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051229	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vac14	MmuEX0051230	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Vamp1	MmuEX0051231	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Vamp4	MmuEX0051233	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Vamp4	MmuEX0051234	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Vamp4	MmuEX0051235	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Vamp4	MmuEX0051236	chr1	1.65E+08	1.65E+08	1.65E+08	1.65E+08	+
Vamp5	MmuEX0051237	chr6	72320325	72326034	72326129	72330375	-
Vamp5	MmuEX0051238	chr6	72319464	72320188	72320325	72330375	-
Vamp5	MmuEX0051239	chr6	72319173	72319284	72319464	72330375	-
Vamp7	MmuEX0051240	NT_165789	30645	32430	32584	39025	-
Vamp7	MmuEX0051241	NT_165789	24962	28976	29113	30588	-
Vamp7	MmuEX0051242	NT_165789	24962	28308	28390	28976	-

Vangl1	MmuEX0051243	chr3	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Vangl1	MmuEX0051244	chr3	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Vapa	MmuEX0051249	chr17	65942883	65944242	65944394	65962560	-
Vapa	MmuEX0051250	chr17	65932117	65936384	65936506	65941631	-
Vapb	MmuEX0051251	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Vapb	MmuEX0051252	chr2	1.74E+08	1.74E+08	1.74E+08	1.74E+08	+
Vars	MmuEX0051253	chr17	35138775	35141150	35141284	35141382	+
Vars	MmuEX0051254	chr17	35142006	35142195	35142295	35142420	+
Vars	MmuEX0051255	chr17	35142547	35146911	35146939	35147451	+
Vars	MmuEX0051256	chr17	35147615	35147783	35147864	35148150	+
Vars	MmuEX0051257	chr17	35149593	35149675	35149765	35149875	+
Vars	MmuEX0051258	chr17	35149765	35149875	35149980	35150067	+
Vars2	MmuEX0051259	chr17	35798601	35798847	35798950	35799048	-
Vars2	MmuEX0051260	chr17	35802984	35803076	35803197	35803600	-
Vars2	MmuEX0051261	chr17	35794263	35795077	35795283	35795972	-
Vars2	MmuEX0051262	chr17	35797072	35797159	35797229	35797349	-
Vasp	MmuEX0051267	chr7	19849919	19850003	19850174	19856863	-
Vasp	MmuEX0051268	chr7	19846030	19846173	19846414	19846525	-
Vasp	MmuEX0051269	chr7	19844614	19844765	19844816	19845930	-
Vasp	MmuEX0051270	chr7	19844368	19844581	19844614	19844765	-
Vasp	MmuEX0051271	chr7	19846562	19847324	19847408	19849754	-
Vav1	MmuEX0051273	chr17	57451323	57454667	57454754	57458051	+
Vav1	MmuEX0051274	chr17	57448906	57451207	57451323	57454667	+
Vav2	MmuEX0051276	chr2	27153256	27154894	27154992	27157528	-
Vav2	MmuEX0051277	chr2	27148289	27151643	27151743	27153188	-
Vav2	MmuEX0051278	chr2	27141285	27141959	27142044	27144126	-
Vav2	MmuEX0051279	chr2	27192258	27241008	27241148	27242010	-
Vav2	MmuEX0051280	chr2	27174516	27192200	27192258	27242010	-
Vav2	MmuEX0051281	chr2	27154992	27155950	27155964	27157528	-
Vav2	MmuEX0051282	chr2	27138938	27140359	27140373	27141153	-
Vav2	MmuEX0051283	chr2	27122904	27123671	27123757	27124419	-
Vav2	MmuEX0051284	chr2	27124542	27124641	27124725	27125648	-
Vav2	MmuEX0051285	chr2	27129260	27130520	27130594	27132736	-
Vav2	MmuEX0051286	chr2	27134727	27137421	27137509	27137809	-
Vav2	MmuEX0051287	chr2	27157630	27174448	27174516	27192200	-
Vav2	MmuEX0051288	chr2	27192258	27242010	27242126	27281796	-
Vav3	MmuEX0051291	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Vav3	MmuEX0051295	chr3	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Vcam1	MmuEX0051298	chr3	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Vcan	MmuEX0051299	chr13	89865268	89871064	89871139	89881678	-
Vcan	MmuEX0051301	chr13	89824797	89825249	89825350	89827890	-
Vcan	MmuEX0051303	chr13	89824797	89827890	89833106	89851810	-
Vcl	MmuEX0051304	chr14	21814324	21815067	21815214	21820353	+
Vcl	MmuEX0051305	chr14	21815214	21820353	21820506	21822317	+
Vcl	MmuEX0051306	chr14	21843513	21846305	21846508	21848398	+
Vcl	MmuEX0051307	chr14	21786830	21797061	21797156	21801796	+
Vcl	MmuEX0051308	chr14	21801946	21802590	21802698	21804849	+

Vcl	MmuEX0051309	chr14	21806340	21809013	21809059	21814234	+
Vcl	MmuEX0051310	chr14	21806340	21807500	21807502	21814234	+
Vcpip1	MmuEX0051311	chr1	9715431	9727047	9727133	9735531	-
Vdac1	MmuEX0051312	chr11	52199235	52199884	52199973	52200918	+
Vdac2	MmuEX0051313	chr14	22650666	22650800	22650889	22651073	+
Vdac3	MmuEX0051314	chr8	23691039	23692555	23692607	23694056	-
Vdac3	MmuEX0051315	chr8	23688572	23690812	23691039	23692555	-
Vegfa	MmuEX0051320	chr17	46158071	46159244	46159297	46161014	-
Vegfa	MmuEX0051321	chr17	46155828	46157940	46158071	46161014	-
Vegfb	MmuEX0051322	chr19	7060976	7061264	7061306	7061842	-
Vegfb	MmuEX0051323	chr19	7060584	7060780	7060976	7061264	-
Vegfb	MmuEX0051324	chr19	7060330	7060511	7060584	7060780	-
Vegfc	MmuEX0051325	chr8	55242513	55244768	55244837	55254379	+
Vegfc	MmuEX0051326	chr8	55244837	55254379	55254530	55266056	+
Vegfc	MmuEX0051327	chr8	55266162	55266441	55266774	55271308	+
Vezt	MmuEX0051331	chr10	93443252	93446907	93447238	93452885	-
Vezt	MmuEX0051332	chr10	93436787	93437190	93437290	93443059	-
Vezt	MmuEX0051333	chr10	93456411	93459583	93459858	93463096	-
Vezt	MmuEX0051334	chr10	93456411	93457633	93457757	93459583	-
Vezt	MmuEX0051335	chr10	93447238	93456262	93456399	93459583	-
Vezt	MmuEX0051336	chr10	93447238	93452885	93453028	93456262	-
Vgll3	MmuEX0051340	chr16	65828421	65839454	65839978	65860915	+
Vim	MmuEX0051352	chr2	13496621	13497168	13497228	13500040	+
Vim	MmuEX0051353	chr2	13497228	13500040	13500135	13500216	+
Vipar	MmuEX0051354	chr12	88604947	88605046	88605078	88607102	-
Vipar	MmuEX0051355	chr12	88585831	88586441	88586548	88587079	-
Vipar	MmuEX0051356	chr12	88595236	88597435	88597499	88598365	-
Vipar	MmuEX0051357	chr12	88594208	88595180	88595236	88597435	-
Vldlr	MmuEX0051371	chr19	27313336	27314112	27314231	27314335	+
Vldlr	MmuEX0051372	chr19	27318830	27320025	27320171	27321083	+
Vldlr	MmuEX0051373	chr19	27304805	27309280	27309402	27310730	+
Vldlr	MmuEX0051374	chr19	27291622	27292033	27292186	27304686	+
Vldlr	MmuEX0051375	chr19	27309402	27310730	27310852	27312543	+
Vldlr	MmuEX0051376	chr19	27314231	27314335	27314460	27314956	+
Vldlr	MmuEX0051377	chr19	27320171	27321083	27321166	27321500	+
Vma21	MmuEX0051378	chrX	69062038	69062097	69062279	69065407	+
Vma21	MmuEX0051379	chrX	69062406	69062982	69063046	69065407	+
Vmn2r29	MmuEX0051386	chr7	7192918	7196944	7197005	7219930	-
Vmn2r29	MmuEX0051387	chr7	7192918	7194603	7195095	7219930	-
Vmn2r29	MmuEX0051388	chr7	7187213	7192691	7192918	7219930	-
Vmn2r29	MmuEX0051389	chr7	7220016	7220491	7220629	7220751	-
Vmn2r29	MmuEX0051390	chr7	7220016	7220188	7220352	7220751	-
Vopp1	MmuEX0051394	chr6	57712565	57724705	57724782	57739971	-
Vopp1	MmuEX0051395	chr6	57740029	57758530	57758686	57774921	-
Vopp1	MmuEX0051396	chr6	57724782	57739971	57740029	57774921	-
Vprbp	MmuEX0051397	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vprbp	MmuEX0051398	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+

Vprbp	MmuEX0051399	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vprbp	MmuEX0051400	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vprbp	MmuEX0051401	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vprbp	MmuEX0051402	chr9	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vps11	MmuEX0051403	chr9	44161194	44161298	44161437	44161920	-
Vps13a	MmuEX0051405	chr19	16817058	16817486	16817548	16819276	-
Vps13a	MmuEX0051406	chr19	16815395	16815667	16815761	16816929	-
Vps13a	MmuEX0051408	chr19	16789617	16794819	16794957	16796885	-
Vps13a	MmuEX0051409	chr19	16785431	16789539	16789617	16794819	-
Vps13a	MmuEX0051410	chr19	16828851	16834077	16834178	16834431	-
Vps13a	MmuEX0051411	chr19	16773602	16775611	16775778	16777994	-
Vps13a	MmuEX0051413	chr19	16752599	16752735	16752893	16754500	-
Vps13a	MmuEX0051414	chr19	16738388	16738498	16738602	16738999	-
Vps13a	MmuEX0051416	chr19	16695199	16699268	16699386	16710259	-
Vps13a	MmuEX0051417	chr19	16743191	16750536	16750696	16752344	-
Vps13a	MmuEX0051418	chr19	16817548	16819314	16819447	16820151	-
Vps13b	MmuEX0051419	chr15	35368733	35375325	35375420	35375793	+
Vps13b	MmuEX0051420	chr15	35384906	35386370	35386494	35401638	+
Vps13b	MmuEX0051422	chr15	35401819	35463051	35463185	35463942	+
Vps13b	MmuEX0051423	chr15	35420972	35448325	35448411	35463051	+
Vps13b	MmuEX0051424	chr15	35464115	35501815	35501924	35506134	+
Vps13b	MmuEX0051425	chr15	35308787	35347266	35347386	35352063	+
Vps13b	MmuEX0051426	chr15	35582121	35598456	35598659	35601054	+
Vps13b	MmuEX0051427	chr15	35601180	35604564	35604707	35638881	+
Vps13b	MmuEX0051428	chr15	35347386	35352063	35352230	35352871	+
Vps13b	MmuEX0051429	chr15	35764135	35769630	35769811	35771004	+
Vps13b	MmuEX0051431	chr15	35799197	35805317	35805580	35806135	+
Vps13b	MmuEX0051432	chr15	35806572	35807252	35807422	35808398	+
Vps13b	MmuEX0051433	chr15	35816759	35816938	35817137	35835027	+
Vps13b	MmuEX0051434	chr15	35817137	35835027	35835145	35839902	+
Vps13b	MmuEX0051435	chr15	35844705	35846802	35846972	35852942	+
Vps13b	MmuEX0051436	chr15	35352230	35352871	35353052	35359865	+
Vps13b	MmuEX0051437	chr15	35846972	35852942	35853118	35855059	+
Vps13b	MmuEX0051438	chr15	35855161	35855796	35856045	35859610	+
Vps13b	MmuEX0051439	chr15	35353052	35359865	35360039	35368468	+
Vps13b	MmuEX0051440	chr15	35360039	35362630	35362703	35368468	+
Vps13b	MmuEX0051441	chr15	35360039	35368468	35368733	35375325	+
Vps13b	MmuEX0051442	chr15	35375915	35376378	35376515	35377440	+
Vps13b	MmuEX0051443	chr15	35527277	35536885	35537119	35547353	+
Vps13b	MmuEX0051444	chr15	35675539	35700211	35700618	35721794	+
Vps13b	MmuEX0051445	chr15	35301862	35306384	35306506	35308644	+
Vps13c	MmuEX0051446	chr9	67700341	67701503	67701545	67706597	+
Vps13c	MmuEX0051447	chr9	67701545	67706597	67706692	67708591	+
Vps13c	MmuEX0051448	chr9	67745004	67746440	67746557	67749252	+
Vps13c	MmuEX0051449	chr9	67757428	67757903	67758062	67759314	+
Vps13c	MmuEX0051450	chr9	67770710	67771487	67771649	67773577	+
Vps13c	MmuEX0051451	chr9	67773690	67774727	67774830	67775169	+

Vps13c	MmuEX0051452	chr9	67780397	67782248	67782357	67784099	+
Vps13c	MmuEX0051453	chr9	67802872	67803474	67803600	67805308	+
Vps13c	MmuEX0051454	chr9	67719092	67721662	67721721	67724034	+
Vps13c	MmuEX0051455	chr9	67809542	67810856	67810996	67811866	+
Vps13c	MmuEX0051456	chr9	67812120	67813272	67813383	67813492	+
Vps13c	MmuEX0051457	chr9	67814986	67817082	67817163	67819795	+
Vps13c	MmuEX0051458	chr9	67821252	67821519	67821564	67823589	+
Vps13c	MmuEX0051459	chr9	67821564	67823589	67823712	67830312	+
Vps13c	MmuEX0051460	chr9	67759430	67760738	67760841	67761013	+
Vps13c	MmuEX0051461	chr9	67796084	67797123	67797244	67798040	+
Vps13c	MmuEX0051462	chr9	67830426	67831130	67831213	67835770	+
Vps13c	MmuEX0051463	chr9	67708692	67713987	67714049	67718983	+
Vps13c	MmuEX0051464	chr9	67708692	67718660	67718725	67718983	+
Vps13d	MmuEX0051465	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051466	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051467	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051468	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051469	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051470	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051471	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051472	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051473	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051474	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051475	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051476	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051477	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051478	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051479	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051480	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051481	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051482	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051483	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051484	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051485	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051486	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051487	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051488	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051489	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps13d	MmuEX0051490	chr4	1.45E+08	1.45E+08	1.45E+08	1.45E+08	-
Vps16	MmuEX0051491	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051492	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051493	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051494	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051495	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051496	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051497	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+
Vps16	MmuEX0051498	chr2	1.3E+08	1.3E+08	1.3E+08	1.3E+08	+

Vps18	MmuEX0051499	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Vps24	MmuEX0051500	chr6	71494439	71496354	71496421	71502393	+
Vps24	MmuEX0051501	chr6	71494027	71502393	71502453	71510891	+
Vps24	MmuEX0051502	chr6	71494027	71509008	71509122	71510891	+
Vps24	MmuEX0051503	chr6	71494027	71510891	71511020	71524109	+
Vps24	MmuEX0051504	chr6	71511070	71524109	71524230	71527725	+
Vps25	MmuEX0051505	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Vps26a	MmuEX0051506	chr10	61933883	61943306	61943455	61949406	-
Vps26a	MmuEX0051507	chr10	61932805	61933808	61933883	61943306	-
Vps26a	MmuEX0051508	chr10	61931202	61932649	61932805	61949406	-
Vps28	MmuEX0051509	chr15	76454915	76455022	76455050	76455564	-
Vps29	MmuEX0051510	chr5	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Vps33a	MmuEX0051511	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Vps33a	MmuEX0051512	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Vps33a	MmuEX0051513	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Vps33a	MmuEX0051514	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Vps33a	MmuEX0051515	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Vps33b	MmuEX0051516	chr7	87429990	87430136	87430226	87430442	+
Vps33b	MmuEX0051518	chr7	87414965	87419115	87419195	87427371	+
Vps33b	MmuEX0051519	chr7	87414965	87419510	87419571	87427371	+
Vps33b	MmuEX0051520	chr7	87419571	87420932	87420981	87424858	+
Vps33b	MmuEX0051521	chr7	87420981	87421284	87421351	87424858	+
Vps33b	MmuEX0051522	chr7	87421351	87424858	87424903	87427371	+
Vps33b	MmuEX0051523	chr7	87435229	87435334	87435450	87436001	+
Vps33b	MmuEX0051524	chr7	87432796	87433286	87433359	87434868	+
Vps33b	MmuEX0051525	chr7	87433359	87434868	87434969	87435154	+
Vps35	MmuEX0051526	chr8	87797526	87798719	87798926	87802603	-
Vps35	MmuEX0051527	chr8	87794714	87795020	87795104	87797371	-
Vps35	MmuEX0051528	chr8	87785208	87785894	87786037	87787210	-
Vps35	MmuEX0051529	chr8	87813701	87818273	87818371	87818758	-
Vps36	MmuEX0051530	chr8	23318415	23320741	23320773	23320861	+
Vps36	MmuEX0051531	chr8	23320773	23320861	23320938	23322010	+
Vps37c	MmuEX0051532	chr19	10780798	10784760	10784931	10785761	+
Vps39	MmuEX0051535	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051536	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051537	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051538	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051539	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051540	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051541	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051542	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051543	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps39	MmuEX0051544	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Vps41	MmuEX0051545	chr13	18809205	18815057	18815095	18831311	+
Vps41	MmuEX0051546	chr13	18902420	18903436	18903582	18906096	+
Vps41	MmuEX0051547	chr13	18930582	18931517	18931598	18933027	+
Vps41	MmuEX0051548	chr13	18886261	18900192	18900327	18902301	+

Vps41	MmuEX0051549	chr13	18886261	18902301	18902420	18903436	+
Vps41	MmuEX0051550	chr13	18906162	18915649	18915746	18919473	+
Vps41	MmuEX0051551	chr13	18874590	18883456	18883518	18902301	+
Vps41	MmuEX0051552	chr13	18883518	18886196	18886261	18902301	+
Vps41	MmuEX0051553	chr13	18933119	18934022	18934149	18937756	+
Vps41	MmuEX0051554	chr13	18933119	18935338	18935482	18937756	+
Vps41	MmuEX0051555	chr13	18933119	18937177	18937218	18937756	+
Vps45	MmuEX0051556	chr3	95837746	95845261	95845428	95846232	-
Vps45	MmuEX0051557	chr3	95837746	95844723	95844870	95845261	-
Vps45	MmuEX0051558	chr3	95851058	95851170	95851238	95852231	-
Vps45	MmuEX0051559	chr3	95846345	95846717	95846851	95850275	-
Vps45	MmuEX0051560	chr3	95823663	95834929	95835050	95836702	-
Vps45	MmuEX0051561	chr3	95850385	95850921	95851058	95851170	-
Vps45	MmuEX0051562	chr3	95857022	95860903	95861037	95861605	-
Vps52	MmuEX0051563	chr17	34102337	34102606	34102724	34102904	+
Vps53	MmuEX0051564	chr11	75890015	75890542	75890624	75894649	-
Vps53	MmuEX0051565	chr11	75977366	75977455	75977469	75979701	-
Vps53	MmuEX0051566	chr11	75951896	75979701	75979750	75988129	-
Vps53	MmuEX0051567	chr11	75951896	75977304	75977366	75979701	-
Vps53	MmuEX0051568	chr11	75905817	75949701	75949816	75951810	-
Vps54	MmuEX0051569	chr11	21192134	21195344	21195399	21198757	+
Vps54	MmuEX0051570	chr11	21195399	21198757	21198853	21199981	+
Vps54	MmuEX0051571	chr11	21139374	21140057	21140135	21160291	+
Vps54	MmuEX0051572	chr11	21139374	21163202	21163357	21164633	+
Vps54	MmuEX0051573	chr11	21207024	21208047	21208094	21208742	+
Vps54	MmuEX0051574	chr11	21163357	21164633	21164874	21168788	+
Vps54	MmuEX0051575	chr11	21171741	21175001	21175132	21177678	+
Vps54	MmuEX0051576	chr11	21191162	21192027	21192134	21195344	+
Vps54	MmuEX0051577	chr11	21205783	21206369	21206550	21206912	+
Vps54	MmuEX0051578	chr11	21212975	21213087	21213167	21214922	+
Vps54	MmuEX0051579	chr11	21139374	21160291	21160328	21163202	+
Vps54	MmuEX0051580	chr11	21164874	21168788	21168866	21171707	+
Vps54	MmuEX0051581	chr11	21175132	21177678	21178063	21191036	+
Vps72	MmuEX0051582	chr3	94915136	94922147	94922299	94922571	+
Vps8	MmuEX0051583	chr16	21435136	21435826	21435894	21442407	+
Vps8	MmuEX0051584	chr16	21435894	21442407	21442537	21444162	+
Vps8	MmuEX0051585	chr16	21442537	21444162	21444255	21447328	+
Vps8	MmuEX0051586	chr16	21568126	21568462	21568544	21575040	+
Vps8	MmuEX0051587	chr16	21444255	21447328	21447360	21448422	+
Vps8	MmuEX0051588	chr16	21448476	21451429	21451434	21456302	+
Vps8	MmuEX0051589	chr16	21581771	21608241	21608294	21640752	+
Vps8	MmuEX0051590	chr16	21533234	21540092	21540181	21554148	+
Vps8	MmuEX0051591	chr16	21533234	21543341	21543387	21554148	+
Vps8	MmuEX0051592	chr16	21543387	21545244	21545346	21554148	+
Vps8	MmuEX0051593	chr16	21459881	21461195	21461348	21533136	+
Vps8	MmuEX0051594	chr16	21478556	21495953	21495999	21500261	+
Vps8	MmuEX0051595	chr16	21495999	21500261	21500483	21504471	+

Vps8	MmuEX0051596	chr16	21504560	21506843	21506894	21521957	+
Vps8	MmuEX0051597	chr16	21506894	21511592	21511634	21517356	+
Vps8	MmuEX0051598	chr16	21511634	21517356	21517428	21521957	+
Vps8	MmuEX0051599	chr16	21461348	21461451	21461510	21463668	+
Vps8	MmuEX0051600	chr16	21527665	21531381	21531435	21533136	+
Vps8	MmuEX0051601	chr16	21531435	21532356	21532440	21533136	+
Vps8	MmuEX0051602	chr16	21461510	21463668	21463775	21466487	+
Vps8	MmuEX0051603	chr16	21463775	21466487	21466567	21470190	+
Vps8	MmuEX0051604	chr16	21466567	21470190	21470360	21533136	+
Vps8	MmuEX0051605	chr16	21470360	21475321	21475395	21533136	+
Vps8	MmuEX0051606	chr16	21475395	21476547	21476582	21533136	+
Vps8	MmuEX0051607	chr16	21476582	21477559	21477649	21533136	+
Vrk1	MmuEX0051608	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051609	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051610	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051611	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051612	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051613	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051614	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051615	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051616	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk1	MmuEX0051617	chr12	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Vrk2	MmuEX0051618	chr11	26383324	26386960	26387018	26389773	-
Vrk2	MmuEX0051619	chr11	26376700	26383158	26383324	26386960	-
Vrk2	MmuEX0051620	chr11	26371786	26376554	26376700	26383158	-
Vrk2	MmuEX0051621	chr11	26389893	26398917	26399049	26434211	-
Vrk2	MmuEX0051622	chr11	26447926	26449295	26449364	26450026	-
Vrk3	MmuEX0051623	chr7	52016312	52016999	52017142	52018361	+
Vrk3	MmuEX0051624	chr7	52016312	52018361	52018427	52019495	+
Vrk3	MmuEX0051625	chr7	52019579	52020153	52020258	52022492	+
Vrk3	MmuEX0051626	chr7	52023945	52024903	52025023	52026234	+
Vrk3	MmuEX0051627	chr7	52026292	52030746	52030905	52032592	+
Vrk3	MmuEX0051628	chr7	52004099	52006272	52006377	52007485	+
Vrk3	MmuEX0051629	chr7	52004099	52007485	52007546	52009186	+
Vrk3	MmuEX0051630	chr7	52013265	52015104	52015264	52018361	+
Vrk3	MmuEX0051631	chr7	52013265	52016248	52016312	52018361	+
Vsig10	MmuEX0051633	chr5	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Vsig10l	MmuEX0051634	chr7	50723075	50723324	50723620	50724026	+
Vsig2	MmuEX0051635	chr9	37347023	37347454	37347611	37347879	+
Vsig2	MmuEX0051636	chr9	37348086	37348912	37349070	37349940	+
Vsig2	MmuEX0051637	chr9	37348086	37349940	37350059	37350174	+
Vta1	MmuEX0051643	chr10	14387914	14393653	14393822	14395740	-
Vta1	MmuEX0051644	chr10	14375651	14380872	14380958	14387738	-
Vti1a	MmuEX0051646	chr19	55391034	55392301	55392376	55396429	+
Vti1a	MmuEX0051647	chr19	55573071	55573733	55573794	55698307	+
Vti1a	MmuEX0051648	chr19	55402946	55455432	55455509	55466274	+
Vti1a	MmuEX0051649	chr19	55455509	55466274	55466358	55573001	+

Vti1a	MmuEX0051650	chr19	55391034	55396429	55396487	55402836	+
Vti1a	MmuEX0051651	chr19	55396487	55402836	55402946	55455432	+
Vti1a	MmuEX0051652	chr19	55455509	55461679	55461699	55466274	+
Vti1b	MmuEX0051653	chr12	80258896	80261396	80261569	80265935	-
Vti1b	MmuEX0051654	chr12	80257558	80258835	80258896	80261396	-
Vti1b	MmuEX0051655	chr12	80261569	80263088	80263209	80265935	-
Vti1b	MmuEX0051656	chr12	80266126	80267338	80267396	80273207	-
Vwa1	MmuEX0051657	chr4	1.55E+08	1.55E+08	1.55E+08	1.55E+08	-
Vwa3a	MmuEX0051660	chr7	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Vwa5a	MmuEX0051663	chr9	38545393	38545488	38545586	38546071	+
Vwa5a	MmuEX0051664	chr9	38525972	38526843	38526918	38529958	+
Vwf	MmuEX0051686	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Vwf	MmuEX0051687	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Vwf	MmuEX0051688	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Vwf	MmuEX0051689	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Vwf	MmuEX0051690	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Vwf	MmuEX0051691	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Vwf	MmuEX0051692	chr6	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Wac	MmuEX0051693	chr18	7910822	7916050	7916295	7917551	+
Wac	MmuEX0051694	chr18	7870025	7871547	7871742	7901494	+
Wac	MmuEX0051695	chr18	7906042	7910514	7910650	7916029	+
Wapal	MmuEX0051696	chr14	35487546	35488621	35488660	35490140	+
Wapal	MmuEX0051697	chr14	35508291	35535450	35535545	35537892	+
Wapal	MmuEX0051698	chr14	35505920	35508173	35508291	35535450	+
Wapal	MmuEX0051699	chr14	35535545	35537892	35538044	35538314	+
Wapal	MmuEX0051700	chr14	35542593	35544695	35544795	35546917	+
Wapal	MmuEX0051701	chr14	35550572	35551042	35551206	35552417	+
Wapal	MmuEX0051702	chr14	35551206	35552417	35552624	35554243	+
Wars	MmuEX0051703	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Wars	MmuEX0051704	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Wars	MmuEX0051705	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Wars	MmuEX0051706	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Wars2	MmuEX0051707	chr3	98991661	99002761	99002940	99008459	+
Wars2	MmuEX0051708	chr3	98991661	99007672	99007896	99008459	+
Wars2	MmuEX0051709	chr3	99009233	99010635	99010752	99018579	+
Wars2	MmuEX0051710	chr3	98945111	98991404	98991661	99008459	+
Wars2	MmuEX0051711	chr3	98945111	99008459	99008539	99009148	+
Wars2	MmuEX0051712	chr3	99009233	99009323	99009373	99018579	+
Wars2	MmuEX0051713	chr3	99009233	99018579	99018697	99020382	+
Wasf2	MmuEX0051716	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	+
Wbp1	MmuEX0051721	chr6	83070281	83070766	83070867	83071197	-
Wbp1	MmuEX0051722	chr6	83070038	83070179	83070281	83071197	-
Wbp2	MmuEX0051723	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Wbp2	MmuEX0051724	chr11	1.16E+08	1.16E+08	1.16E+08	1.16E+08	-
Wbp4	MmuEX0051726	chr14	79861936	79863731	79863811	79865990	-
Wbp4	MmuEX0051727	chr14	79869987	79870494	79870540	79872159	-
Wbp4	MmuEX0051728	chr14	79869987	79870080	79870187	79870494	-

Wbp4	MmuEX0051729	chr14	79876911	79880180	79880252	79880738	-
Wbp7	MmuEX0051730	chr7	31367300	31367427	31367525	31367807	-
Wbp7	MmuEX0051731	chr7	31368774	31368936	31369215	31369468	-
Wbp7	MmuEX0051732	chr7	31355487	31355573	31355647	31355720	-
Wbp7	MmuEX0051733	chr7	31355064	31355310	31355487	31355573	-
Wbp7	MmuEX0051734	chr7	31367901	31368203	31368481	31368719	-
Wbp7	MmuEX0051735	chr7	31365571	31366034	31366151	31366669	-
Wbp7	MmuEX0051736	chr7	31367525	31367807	31367901	31368203	-
Wbp7	MmuEX0051737	chr7	31372048	31372274	31372346	31373374	-
Wbscr16	MmuEX0051738	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr16	MmuEX0051739	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr16	MmuEX0051740	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr16	MmuEX0051741	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr16	MmuEX0051742	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr16	MmuEX0051743	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr16	MmuEX0051744	chr5	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Wbscr17	MmuEX0051745	chr5	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Wbscr22	MmuEX0051747	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wbscr22	MmuEX0051748	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wbscr22	MmuEX0051749	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wbscr22	MmuEX0051750	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wbscr22	MmuEX0051751	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wbscr22	MmuEX0051752	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wbscr22	MmuEX0051753	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Wdfy1	MmuEX0051760	chr1	79704157	79705668	79705769	79710433	-
Wdfy1	MmuEX0051761	chr1	79702927	79704027	79704157	79705668	-
Wdfy2	MmuEX0051762	chr14	63544021	63547833	63547983	63549065	+
Wdfy2	MmuEX0051763	chr14	63567585	63570752	63570853	63571849	+
Wdfy2	MmuEX0051764	chr14	63504714	63519092	63519165	63543967	+
Wdfy2	MmuEX0051765	chr14	63570853	63571849	63571979	63573698	+
Wdfy2	MmuEX0051766	chr14	63544021	63549065	63549215	63562858	+
Wdfy2	MmuEX0051767	chr14	63544021	63553127	63553239	63562858	+
Wdfy2	MmuEX0051768	chr14	63553239	63562858	63562984	63567480	+
Wdfy3	MmuEX0051770	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051771	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051772	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051773	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051774	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051776	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051777	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051778	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051779	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051780	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051781	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051782	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051783	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdfy3	MmuEX0051784	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-

Wdfy3	MmuEX0051787	chr5	1.02E+08	1.02E+08	1.02E+08	1.02E+08	-
Wdr1	MmuEX0051801	chr5	38920908	38921011	38921088	38921176	-
Wdr11	MmuEX0051802	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051803	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051804	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051805	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051806	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051807	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051808	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051809	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr11	MmuEX0051810	chr7	1.37E+08	1.37E+08	1.37E+08	1.37E+08	+
Wdr13	MmuEX0051811	chrX	7703325	7704937	7705078	7705160	-
Wdr13	MmuEX0051812	chrX	7707491	7708511	7708717	7709413	-
Wdr13	MmuEX0051813	chrX	7705340	7706095	7706402	7707129	-
Wdr18	MmuEX0051823	chr10	79423857	79427671	79427804	79428725	+
Wdr18	MmuEX0051824	chr10	79423857	79427955	79428096	79428725	+
Wdr20a	MmuEX0051834	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Wdr20a	MmuEX0051835	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Wdr25	MmuEX0051836	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wdr25	MmuEX0051837	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wdr25	MmuEX0051838	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wdr25	MmuEX0051839	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wdr25	MmuEX0051840	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wdr26	MmuEX0051841	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Wdr26	MmuEX0051842	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Wdr26	MmuEX0051843	chr1	1.83E+08	1.83E+08	1.83E+08	1.83E+08	-
Wdr3	MmuEX0051848	chr3	99957570	99957785	99957898	99958846	-
Wdr3	MmuEX0051849	chr3	99950709	99952028	99952129	99953790	-
Wdr3	MmuEX0051850	chr3	99945521	99946136	99946183	99946376	-
Wdr33	MmuEX0051857	chr18	31963908	31986916	31987142	31988886	+
Wdr33	MmuEX0051858	chr18	31993388	31995038	31995135	32037678	+
Wdr33	MmuEX0051859	chr18	31995135	32037678	32037804	32039325	+
Wdr33	MmuEX0051860	chr18	31988954	31989529	31989633	31992964	+
Wdr33	MmuEX0051861	chr18	32062141	32062236	32062331	32063890	+
Wdr33	MmuEX0051862	chr18	32052752	32053958	32054046	32056255	+
Wdr34	MmuEX0051863	chr2	29887492	29887593	29887750	29887922	-
Wdr34	MmuEX0051864	chr2	29889483	29890283	29890392	29893695	-
Wdr34	MmuEX0051865	chr2	29888437	29889326	29889483	29893695	-
Wdr34	MmuEX0051866	chr2	29888437	29888794	29888903	29889326	-
Wdr35	MmuEX0051867	chr12	8992918	8993767	8993870	8994084	+
Wdr35	MmuEX0051868	chr12	9012638	9013526	9013579	9014808	+
Wdr35	MmuEX0051869	chr12	9015495	9019467	9019547	9022776	+
Wdr35	MmuEX0051870	chr12	8981857	8984169	8984240	8985404	+
Wdr35	MmuEX0051871	chr12	9029689	9031000	9031140	9031692	+
Wdr35	MmuEX0051872	chr12	8989700	8989955	8990001	8992435	+
Wdr35	MmuEX0051873	chr12	8987966	8989567	8989700	8992435	+
Wdr35	MmuEX0051874	chr12	8996896	9002446	9002478	9002875	+

Wdr36	MmuEX0051875	chr18	33008015	33008727	33008813	33010041	+
Wdr36	MmuEX0051876	chr18	33021301	33022579	33022698	33022835	+
Wdr36	MmuEX0051877	chr18	33001668	33003416	33003548	33005245	+
Wdr36	MmuEX0051878	chr18	33005299	33006484	33006616	33006796	+
Wdr36	MmuEX0051879	chr18	33006616	33006796	33006971	33007243	+
Wdr36	MmuEX0051880	chr18	33024494	33025507	33025572	33025842	+
Wdr37	MmuEX0051881	chr13	8856174	8860334	8860511	8870116	-
Wdr37	MmuEX0051882	chr13	8846932	8848780	8848915	8852916	-
Wdr37	MmuEX0051883	chr13	8848915	8851480	8851577	8852916	-
Wdr37	MmuEX0051884	chr13	8836269	8844033	8844077	8846861	-
Wdr37	MmuEX0051885	chr13	8836269	8841976	8842052	8846861	-
Wdr37	MmuEX0051886	chr13	8819791	8836029	8836269	8841976	-
Wdr37	MmuEX0051887	chr13	8819791	8834543	8834684	8836029	-
Wdr37	MmuEX0051888	chr13	8805192	8819657	8819791	8834543	-
Wdr37	MmuEX0051889	chr13	8805192	8819109	8819223	8819657	-
Wdr37	MmuEX0051890	chr13	8860511	8869883	8869962	8870729	-
Wdr4	MmuEX0051893	chr17	31636117	31636754	31636818	31637559	-
Wdr4	MmuEX0051894	chr17	31647591	31649112	31649432	31655763	-
Wdr4	MmuEX0051895	chr17	31638220	31640455	31640611	31646714	-
Wdr4	MmuEX0051896	chr17	31638220	31639716	31639828	31646714	-
Wdr41	MmuEX0051897	chr13	95748540	95765205	95765253	95767011	+
Wdr41	MmuEX0051898	chr13	95788160	95788787	95788920	95791625	+
Wdr41	MmuEX0051899	chr13	95765253	95767011	95767142	95778763	+
Wdr41	MmuEX0051900	chr13	95767142	95769821	95769883	95778763	+
Wdr41	MmuEX0051901	chr13	95769883	95772315	95772474	95775686	+
Wdr41	MmuEX0051902	chr13	95769883	95775686	95775797	95778763	+
Wdr43	MmuEX0051903	chr17	71989660	71990627	71990758	71992045	+
Wdr43	MmuEX0051904	chr17	71992173	71992488	71992576	71998113	+
Wdr43	MmuEX0051905	chr17	71992173	71998117	71998199	71999357	+
Wdr44	MmuEX0051906	chrX	23339486	23342731	23342923	23347016	+
Wdr44	MmuEX0051907	chrX	23339486	23343114	23343199	23347016	+
Wdr44	MmuEX0051908	chrX	23339486	23347016	23347122	23355750	+
Wdr44	MmuEX0051909	chrX	23365291	23373110	23373232	23377496	+
Wdr44	MmuEX0051910	chrX	23309477	23327032	23327106	23333566	+
Wdr44	MmuEX0051911	chrX	23379568	23380895	23381029	23382015	+
Wdr44	MmuEX0051912	chrX	23327106	23333566	23334211	23335221	+
Wdr44	MmuEX0051913	chrX	23334211	23335221	23335351	23336309	+
Wdr44	MmuEX0051914	chrX	23335351	23336309	23336404	23338530	+
Wdr44	MmuEX0051915	chrX	23270665	23309444	23309477	23327032	+
Wdr45	MmuEX0051916	chrX	7299504	7300441	7300483	7300975	+
Wdr45	MmuEX0051917	chrX	7299504	7300691	7300879	7300975	+
Wdr45	MmuEX0051918	chrX	7304397	7304473	7304618	7304876	+
Wdr45	MmuEX0051919	chrX	7304618	7304937	7305888	7306842	+
Wdr45	MmuEX0051921	chrX	7301417	7303057	7303162	7303324	+
Wdr45l	MmuEX0051922	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Wdr45l	MmuEX0051923	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Wdr45l	MmuEX0051924	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-

Wdr45l	MmuEX0051925	chr11	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Wdr46	MmuEX0051926	chr17	34085876	34086018	34086131	34086223	+
Wdr46	MmuEX0051927	chr17	34081526	34085165	34085478	34085588	+
Wdr47	MmuEX0051928	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Wdr47	MmuEX0051929	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Wdr47	MmuEX0051930	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Wdr47	MmuEX0051931	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Wdr47	MmuEX0051932	chr3	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Wdr48	MmuEX0051933	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Wdr48	MmuEX0051934	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Wdr48	MmuEX0051935	chr9	1.2E+08	1.2E+08	1.2E+08	1.2E+08	+
Wdr5	MmuEX0051936	chr2	27380681	27383794	27383840	27387159	+
Wdr5	MmuEX0051937	chr2	27383840	27386472	27386519	27387159	+
Wdr54	MmuEX0051949	chr6	83103611	83104494	83104621	83104916	-
Wdr55	MmuEX0051950	chr18	36920134	36921631	36921731	36921820	+
Wdr59	MmuEX0051951	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051952	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051953	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051954	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051955	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051956	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051957	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr59	MmuEX0051958	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Wdr60	MmuEX0051961	chr12	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Wdr60	MmuEX0051962	chr12	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Wdr60	MmuEX0051963	chr12	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Wdr60	MmuEX0051965	chr12	1.17E+08	1.17E+08	1.17E+08	1.17E+08	-
Wdr61	MmuEX0051967	chr9	54567136	54568067	54568159	54570641	-
Wdr61	MmuEX0051968	chr9	54578468	54579194	54579244	54582176	-
Wdr66	MmuEX0051986	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	+
Wdr67	MmuEX0051996	chr15	57786963	57789892	57789984	57792398	+
Wdr67	MmuEX0051997	chr15	57795479	57799464	57799559	57801279	+
Wdr67	MmuEX0051998	chr15	57754690	57764087	57764238	57767646	+
Wdr67	MmuEX0052000	chr15	57743946	57747525	57747671	57764087	+
Wdr67	MmuEX0052001	chr15	57747671	57751486	57751601	57754512	+
Wdr67	MmuEX0052003	chr15	57789984	57792398	57792538	57795359	+
Wdr67	MmuEX0052004	chr15	57792538	57793624	57793818	57795359	+
Wdr7	MmuEX0052012	chr18	63953997	63955812	63955935	63984779	+
Wdr7	MmuEX0052013	chr18	63880517	63883775	63883853	63887273	+
Wdr7	MmuEX0052014	chr18	64087002	64095503	64095602	64138974	+
Wdr7	MmuEX0052016	chr18	63888169	63889744	63889863	63895233	+
Wdr7	MmuEX0052017	chr18	63868573	63879872	63880043	63880411	+
Wdr7	MmuEX0052018	chr18	63920439	63937182	63937951	63939523	+
Wdr7	MmuEX0052019	chr18	63939611	63951450	63951545	63953879	+
Wdr70	MmuEX0052020	chr15	8029364	8032462	8032582	8043676	-
Wdr70	MmuEX0052021	chr15	7996489	8029160	8029364	8032462	-
Wdr70	MmuEX0052022	chr15	7927142	7969589	7969665	7985731	-

Wdr70	MmuEX0052023	chr15	7927142	7934229	7934397	7969589	-
Wdr70	MmuEX0052024	chr15	7874307	7926968	7927142	7969589	-
Wdr70	MmuEX0052025	chr15	7985884	7992711	7992844	7996430	-
Wdr73	MmuEX0052028	chr7	88036795	88037862	88038152	88038535	-
Wdr73	MmuEX0052029	chr7	88042873	88043389	88043477	88045234	-
Wdr74	MmuEX0052030	chr19	8813992	8814309	8814454	8814586	+
Wdr74	MmuEX0052031	chr19	8810787	8812144	8812219	8812338	+
Wdr74	MmuEX0052032	chr19	8810395	8810477	8810583	8810666	+
Wdr74	MmuEX0052033	chr19	8810583	8810666	8810787	8812144	+
Wdr75	MmuEX0052034	chr1	45858071	45858884	45858974	45860722	+
Wdr76	MmuEX0052040	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	+
Wdr77	MmuEX0052043	chr3	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Wdr8	MmuEX0052056	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Wdr8	MmuEX0052057	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Wdr8	MmuEX0052058	chr4	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Wdr81	MmuEX0052059	chr11	75255591	75257757	75257936	75258200	-
Wdr82	MmuEX0052060	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Wdr82	MmuEX0052061	chr9	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Wdr83	MmuEX0052062	chr8	87599836	87599923	87600031	87600116	-
Wdr83	MmuEX0052063	chr8	87603606	87604212	87604332	87604412	-
Wdr83	MmuEX0052064	chr8	87603606	87604019	87604124	87604412	-
Wdr83	MmuEX0052065	chr8	87603606	87603688	87603736	87603953	-
Wdr85	MmuEX0052066	chr2	24824635	24825026	24825198	24827043	+
Wdr85	MmuEX0052067	chr2	24818330	24818543	24818676	24821077	+
Wdr85	MmuEX0052068	chr2	24818330	24818976	24819063	24821077	+
Wdr85	MmuEX0052069	chr2	24818330	24821080	24821174	24822022	+
Wdr85	MmuEX0052070	chr2	24822194	24824405	24824474	24825026	+
Wdr85	MmuEX0052071	chr2	24824474	24824570	24824635	24825026	+
Wdr90	MmuEX0052084	chr17	25982404	25982524	25982643	25982716	-
Wdr90	MmuEX0052085	chr17	25986358	25986508	25986629	25986813	-
Wdr91	MmuEX0052093	chr6	34859540	34859714	34859827	34860506	-
Wdr91	MmuEX0052094	chr6	34839331	34842341	34842534	34846181	-
Wdr91	MmuEX0052095	chr6	34839331	34841387	34841537	34842341	-
Wdr91	MmuEX0052096	chr6	34836198	34839237	34839331	34841387	-
Wdr91	MmuEX0052097	chr6	34836198	34838954	34839122	34839237	-
Wdr91	MmuEX0052098	chr6	34836198	34836808	34836916	34838954	-
Wdr91	MmuEX0052099	chr6	34834381	34836066	34836178	34836808	-
Wdr92	MmuEX0052100	chr11	17112149	17119017	17119117	17124552	+
Wdr92	MmuEX0052101	chr11	17112149	17122200	17122330	17124552	+
Wdsub1	MmuEX0052110	chr2	59699797	59700677	59700783	59700874	-
Wdsub1	MmuEX0052111	chr2	59702392	59711273	59711366	59712296	-
Wdsub1	MmuEX0052112	chr2	59714908	59716187	59716388	59720458	-
Wdsub1	MmuEX0052113	chr2	59712385	59714724	59714908	59720458	-
Wdtdc1	MmuEX0052114	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Wdtdc1	MmuEX0052115	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Wdtdc1	MmuEX0052116	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Wdtdc1	MmuEX0052117	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-

Wdtdc1	MmuEX0052118	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Wdtdc1	MmuEX0052119	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Wdyhv1	MmuEX0052120	chr15	57982211	57982537	57982617	57984152	+
Wdyhv1	MmuEX0052121	chr15	57984300	57984766	57984794	57985135	+
Wdyhv1	MmuEX0052122	chr15	57973136	57979889	57979988	57985135	+
Wdyhv1	MmuEX0052123	chr15	57979996	57982161	57982211	57989457	+
Wdyhv1	MmuEX0052124	chr15	57982211	57984152	57984300	57989457	+
Wdyhv1	MmuEX0052125	chr15	57984300	57985135	57985259	57989457	+
Wee1	MmuEX0052126	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wee1	MmuEX0052127	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wee1	MmuEX0052128	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wee1	MmuEX0052129	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wee1	MmuEX0052130	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wfdc1	MmuEX0052132	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Wfdc1	MmuEX0052133	chr8	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Wfikkn2	MmuEX0052143	chr11	94100432	94103669	94103893	94107009	-
Wfs1	MmuEX0052144	chr5	37365143	37366710	37366854	37368123	-
Whamm	MmuEX0052145	chr7	88736988	88738538	88739006	88740773	+
Whamm	MmuEX0052146	chr7	88719605	88723037	88723187	88729988	+
Whrn	MmuEX0052147	chr4	63122441	63133684	63133902	63155647	-
Whrn	MmuEX0052148	chr4	63093093	63093699	63093911	63095144	-
Whrn	MmuEX0052149	chr4	63076700	63077036	63077158	63077446	-
Whrn	MmuEX0052150	chr4	63096596	63122316	63122441	63133684	-
Whrn	MmuEX0052153	chr4	63079656	63080456	63080527	63092884	-
Whsc1	MmuEX0052154	chr5	34211527	34221707	34221838	34222701	+
Whsc1	MmuEX0052155	chr5	34197425	34197903	34198385	34203683	+
Whsc1	MmuEX0052156	chr5	34211527	34214056	34214150	34221707	+
Whsc1	MmuEX0052157	chr5	34230017	34234155	34234296	34234589	+
Whsc1	MmuEX0052158	chr5	34163526	34164308	34164377	34185761	+
Whsc1	MmuEX0052159	chr5	34164377	34185761	34186386	34197259	+
Whsc1	MmuEX0052160	chr5	34186386	34188754	34188916	34197259	+
Whsc1l1	MmuEX0052161	chr8	26805317	26809205	26809407	26810383	+
Whsc1l1	MmuEX0052162	chr8	26811192	26816996	26817112	26819535	+
Whsc1l1	MmuEX0052163	chr8	26817112	26819535	26819676	26821145	+
Whsc1l1	MmuEX0052164	chr8	26821251	26823830	26824031	26824631	+
Whsc1l1	MmuEX0052165	chr8	26770367	26773213	26773728	26776502	+
Whsc1l1	MmuEX0052166	chr8	26751797	26758913	26758984	26760013	+
Whsc1l1	MmuEX0052167	chr8	26751797	26760013	26760175	26770213	+
Whsc1l1	MmuEX0052168	chr8	26791246	26792971	26793168	26801487	+
Whsc1l1	MmuEX0052169	chr8	26793168	26793624	26793794	26801487	+
Whsc1l1	MmuEX0052170	chr8	26793794	26801487	26801633	26805161	+
Whsc1l1	MmuEX0052171	chr8	26801633	26805161	26805317	26809205	+
Whsc2	MmuEX0052172	chr5	34264666	34270948	34271012	34278675	-
Wibg	MmuEX0052173	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	+
Wipf1	MmuEX0052175	chr2	73272200	73273003	73273215	73275011	-
Wipf1	MmuEX0052176	chr2	73275748	73278034	73278213	73282502	-
Wipf2	MmuEX0052177	chr11	98754033	98757431	98757640	98760045	+

Wipf2	MmuEX0052178	chr11	98752146	98752810	98752926	98753377	+
Wipf3	MmuEX0052179	chr6	54379889	54402820	54402999	54431779	+
Wipf3	MmuEX0052180	chr6	54438024	54439002	54439103	54446474	+
Wipf3	MmuEX0052181	chr6	54439103	54446474	54446550	54450987	+
Wipi1	MmuEX0052182	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Wipi1	MmuEX0052183	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Wipi1	MmuEX0052184	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Wipi1	MmuEX0052185	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Wipi1	MmuEX0052186	chr11	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Wipi2	MmuEX0052187	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Wipi2	MmuEX0052188	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Wipi2	MmuEX0052189	chr5	1.43E+08	1.43E+08	1.43E+08	1.43E+08	+
Wisp1	MmuEX0052190	chr15	66723196	66737963	66738050	66744391	+
Wisp2	MmuEX0052192	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Wiz	MmuEX0052193	chr17	32498909	32499738	32499908	32501127	-
Wiz	MmuEX0052194	chr17	32524762	32525549	32525700	32526205	-
Wiz	MmuEX0052195	chr17	32496439	32498406	32498909	32504769	-
Wiz	MmuEX0052196	chr17	32496439	32496983	32497372	32498406	-
Wiz	MmuEX0052197	chr17	32505092	32518029	32518101	32524518	-
Wiz	MmuEX0052198	chr17	32505092	32515785	32516063	32524518	-
Wiz	MmuEX0052199	chr17	32505092	32513468	32515443	32524518	-
Wiz	MmuEX0052200	chr17	32505092	32506232	32506365	32524518	-
Wls	MmuEX0052201	chr3	1.6E+08	1.6E+08	1.6E+08	1.6E+08	+
Wls	MmuEX0052202	chr3	1.6E+08	1.6E+08	1.6E+08	1.6E+08	+
Wnk1	MmuEX0052203	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052204	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052205	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052206	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052207	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052208	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052209	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052210	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052211	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052212	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052213	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052214	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052215	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052216	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052217	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk1	MmuEX0052218	chr6	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Wnk2	MmuEX0052220	chr13	49163331	49163442	49163612	49166139	-
Wnk2	MmuEX0052221	chr13	49156890	49162616	49162735	49163286	-
Wnk2	MmuEX0052222	chr13	49180910	49186186	49186405	49187605	-
Wnk2	MmuEX0052223	chr13	49131874	49134461	49134572	49137997	-
Wnk2	MmuEX0052225	chr13	49138235	49147928	49148142	49152204	-
Wnk2	MmuEX0052226	chr13	49139787	49146726	49146896	49147928	-
Wnk2	MmuEX0052227	chr13	49139787	49145853	49145951	49146726	-

Wnk2	MmuEX0052228	chr13	49138235	49139743	49139787	49145853	-
Wnk4	MmuEX0052230	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Wnk4	MmuEX0052231	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Wnk4	MmuEX0052233	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Wnk4	MmuEX0052234	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Wnk4	MmuEX0052235	chr11	1.01E+08	1.01E+08	1.01E+08	1.01E+08	+
Wnt11	MmuEX0052242	chr7	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Wnt5b	MmuEX0052248	chr6	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Wnt9a	MmuEX0052254	chr11	59120569	59121225	59122001	59141066	+
Wrap53	MmuEX0052255	chr11	69377449	69391128	69391239	69391949	-
Wrb	MmuEX0052256	chr16	96367185	96367263	96367372	96373420	+
Wrb	MmuEX0052257	chr16	96373585	96374583	96374645	96375688	+
Wrb	MmuEX0052258	chr16	96374645	96375266	96375369	96375688	+
Wrb	MmuEX0052259	chr16	96373585	96375688	96375802	96377486	+
Wrn	MmuEX0052260	chr8	34359556	34362177	34362308	34365970	-
Wrn	MmuEX0052263	chr8	34362308	34367421	34367533	34377423	-
Wrn	MmuEX0052270	chr8	34405563	34416126	34416232	34421183	-
Wrnip1	MmuEX0052278	chr13	32912243	32912908	32912987	32913753	+
Wrnip1	MmuEX0052279	chr13	32894913	32897207	32897398	32898628	+
Wsb1	MmuEX0052280	chr11	79062161	79064483	79064651	79067855	-
Wsb1	MmuEX0052281	chr11	79055658	79056109	79056142	79057965	-
Wsb1	MmuEX0052282	chr11	79055658	79056902	79057077	79057965	-
Wsb1	MmuEX0052283	chr11	79059803	79061893	79062015	79064483	-
Wscd1	MmuEX0052284	chr11	71596919	71597771	71597935	71601220	+
Wscd1	MmuEX0052285	chr11	71580405	71582131	71582315	71585355	+
Wscd1	MmuEX0052286	chr11	71573768	71580291	71580405	71582131	+
Wscd1	MmuEX0052287	chr11	71597935	71599788	71600047	71601220	+
Wt1	MmuEX0052291	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Wt1	MmuEX0052292	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Wt1	MmuEX0052293	chr2	1.05E+08	1.05E+08	1.05E+08	1.05E+08	+
Wtap	MmuEX0052294	chr17	13162425	13167603	13167974	13168162	-
Wtap	MmuEX0052295	chr17	13160917	13162271	13162425	13168162	-
Wtip	MmuEX0052296	chr7	34904225	34910504	34910605	34917508	-
Wtip	MmuEX0052297	chr7	34903824	34903956	34904018	34904158	-
Wwc2	MmuEX0052302	chr8	49006052	49057625	49057748	49075420	-
Wwc2	MmuEX0052303	chr8	48964255	48965455	48965601	48968848	-
Wwc2	MmuEX0052304	chr8	48955222	48960583	48960825	48964182	-
Wwc2	MmuEX0052305	chr8	48941702	48944084	48944276	48949207	-
Wwc2	MmuEX0052306	chr8	48937380	48941538	48941702	48944084	-
Wwc2	MmuEX0052307	chr8	48934843	48937259	48937380	48941538	-
Wwc2	MmuEX0052308	chr8	48986210	49005943	49006052	49075420	-
Wwc2	MmuEX0052309	chr8	48972505	48986007	48986210	49005943	-
Wwc2	MmuEX0052310	chr8	48972505	48984790	48984866	48986007	-
Wwox	MmuEX0052311	chr8	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wwox	MmuEX0052312	chr8	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Wwp1	MmuEX0052313	chr4	19605582	19614938	19615033	19635986	-
Wwp1	MmuEX0052314	chr4	19600441	19602111	19602153	19605492	-

Wwp1	MmuEX0052315	chr4	19555152	19562401	19562489	19565752	-
Wwp1	MmuEX0052316	chr4	19555152	19558193	19558352	19562401	-
Wwp1	MmuEX0052317	chr4	19586894	19589269	19589406	19599566	-
Wwp1	MmuEX0052318	chr4	19586894	19589113	19589179	19599566	-
Wwp1	MmuEX0052319	chr4	19577587	19586710	19586894	19599566	-
Wwp2	MmuEX0052320	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wwp2	MmuEX0052321	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wwp2	MmuEX0052322	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wwp2	MmuEX0052323	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Wwp2	MmuEX0052324	chr8	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
X99384	MmuEX0052325	chr10	60806504	60806852	60806947	60809509	-
X99384	MmuEX0052326	chr10	60783990	60785972	60786127	60801947	-
X99384	MmuEX0052327	chr10	60811442	60812889	60813053	60813644	-
Xab2	MmuEX0052328	chr8	3618666	3618945	3619093	3621228	-
Xab2	MmuEX0052329	chr8	3611584	3611672	3611834	3612963	-
Xab2	MmuEX0052330	chr8	3613290	3613368	3613499	3613590	-
Xaf1	MmuEX0052331	chr11	72116964	72118168	72118363	72122109	+
Xaf1	MmuEX0052332	chr11	72118363	72120066	72120154	72122109	+
Xaf1	MmuEX0052333	chr11	72120154	72122109	72122426	72125458	+
Xbp1	MmuEX0052334	chr11	5423470	5424242	5424284	5424311	+
Xbp1	MmuEX0052335	chr11	5421203	5421926	5422022	5423336	+
Xdh	MmuEX0052337	chr17	74271904	74272383	74272475	74274255	-
Xdh	MmuEX0052338	chr17	74235859	74237226	74237364	74240451	-
Xdh	MmuEX0052339	chr17	74261880	74263211	74263380	74265017	-
Xiap	MmuEX0052341	chrX	39421233	39421534	39421659	39447544	+
Xiap	MmuEX0052342	chrX	39422049	39424419	39424680	39447544	+
Xiap	MmuEX0052343	chrX	39422049	39447549	39448449	39449790	+
Xirp2	MmuEX0052344	chr2	67314923	67320303	67320440	67343091	+
Xk	MmuEX0052345	chrX	8859385	8870931	8871072	8886043	+
Xk	MmuEX0052346	chrX	8850360	8859123	8859385	8886043	+
Xlr3b	MmuEX0052358	chrX	70443724	70445085	70445183	70447189	+
Xpa	MmuEX0052361	chr4	46188287	46193079	46193270	46195990	-
Xpa	MmuEX0052362	chr4	46198568	46205922	46206029	46208921	-
Xpc	MmuEX0052363	chr6	91442358	91442836	91443005	91443099	-
Xpc	MmuEX0052364	chr6	91450131	91450916	91451005	91453995	-
Xpc	MmuEX0052365	chr6	91454722	91455385	91455469	91456833	-
Xpc	MmuEX0052366	chr6	91458589	91460451	91460652	91465700	-
Xpnpep1	MmuEX0052367	chr19	53106587	53107115	53107311	53113004	-
Xpnpep1	MmuEX0052368	chr19	53099873	53106499	53106587	53113004	-
Xpnpep1	MmuEX0052369	chr19	53077227	53078254	53078304	53079254	-
Xpnpep1	MmuEX0052370	chr19	53074950	53076964	53077041	53077169	-
Xpnpep1	MmuEX0052371	chr19	53089164	53099749	53099873	53106499	-
Xpnpep3	MmuEX0052372	chr15	81268610	81272809	81272894	81278749	+
Xpnpep3	MmuEX0052373	chr15	81267206	81268497	81268610	81272809	+
Xpnpep3	MmuEX0052374	chr15	81244978	81246333	81246424	81257706	+
Xpnpep3	MmuEX0052375	chr15	81272894	81278749	81278926	81281331	+
Xpnpep3	MmuEX0052376	chr15	81258113	81261120	81261322	81267144	+

Xpnpep3	MmuEX0052377	chr15	81261322	81267144	81267206	81268497	+
Xpo1	MmuEX0052378	chr11	23177080	23178143	23178324	23178676	+
Xpo1	MmuEX0052379	chr11	23167763	23168608	23168690	23171133	+
Xpo1	MmuEX0052380	chr11	23167763	23168849	23168912	23171133	+
Xpo1	MmuEX0052381	chr11	23182726	23184242	23184380	23184548	+
Xpo4	MmuEX0052382	chr14	58262060	58267256	58267361	58283725	-
Xpo4	MmuEX0052383	chr14	58257194	58261919	58262060	58267256	-
Xpo4	MmuEX0052384	chr14	58209916	58212118	58212463	58212665	-
Xpo4	MmuEX0052385	chr14	58216882	58221326	58221503	58222423	-
Xpo4	MmuEX0052386	chr14	58262060	58262172	58262326	58267256	-
Xpo4	MmuEX0052387	chr14	58249169	58257056	58257194	58267256	-
Xpo4	MmuEX0052388	chr14	58232681	58249053	58249169	58257056	-
Xpo4	MmuEX0052389	chr14	58232681	58248194	58248347	58249053	-
Xpo4	MmuEX0052390	chr14	58232681	58236968	58237080	58248194	-
Xpo5	MmuEX0052391	chr17	46363957	46364679	46364878	46366261	+
Xpo5	MmuEX0052392	chr17	46364878	46366261	46366360	46367148	+
Xpo5	MmuEX0052393	chr17	46358430	46359622	46359740	46361965	+
Xpo5	MmuEX0052394	chr17	46377871	46378416	46378503	46378675	+
Xpo6	MmuEX0052395	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052396	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052397	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052398	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052399	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052400	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052401	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052402	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052403	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052404	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052405	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052406	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052407	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo6	MmuEX0052408	chr7	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Xpo7	MmuEX0052409	chr14	71095494	71096358	71096523	71098749	-
Xpo7	MmuEX0052410	chr14	71103196	71104471	71104564	71107094	-
Xpo7	MmuEX0052411	chr14	71096523	71098749	71098853	71101527	-
Xpo7	MmuEX0052412	chr14	71081152	71082140	71082248	71082600	-
Xpo7	MmuEX0052413	chr14	71088130	71090789	71090961	71092458	-
Xpo7	MmuEX0052414	chr14	71104564	71107094	71107240	71166319	-
Xpr1	MmuEX0052415	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Xpr1	MmuEX0052416	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Xpr1	MmuEX0052417	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Xpr1	MmuEX0052418	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Xpr1	MmuEX0052419	chr1	1.57E+08	1.57E+08	1.57E+08	1.57E+08	-
Xrcc1	MmuEX0052420	chr7	25332901	25337099	25337285	25344755	+
Xrcc1	MmuEX0052421	chr7	25352591	25352829	25352945	25355235	+
Xrcc1	MmuEX0052422	chr7	25357318	25357786	25357868	25358073	+
Xrcc1	MmuEX0052423	chr7	25332901	25344755	25344871	25350555	+

Xrcc1	MmuEX0052424	chr7	25344871	25350555	25350713	25351238	+
Xrcc1	MmuEX0052425	chr7	25355945	25356034	25356170	25357228	+
Xrcc2	MmuEX0052426	chr5	25204150	25209116	25209231	25211496	-
Xrcc2	MmuEX0052427	chr5	25198646	25204069	25204150	25211496	-
Xrcc4	MmuEX0052431	chr13	89989068	90080567	90080714	90130678	-
Xrcc4	MmuEX0052432	chr13	90140689	90201614	90201789	90211146	-
Xrcc4	MmuEX0052433	chr13	90132211	90140523	90140689	90201614	-
Xrcc4	MmuEX0052434	chr13	90130769	90132059	90132211	90140523	-
Xrcc4	MmuEX0052435	chr13	90080714	90130678	90130769	90132059	-
Xrcc4	MmuEX0052436	chr13	90211294	90216608	90216697	90229102	-
Xrcc5	MmuEX0052437	chr1	72354141	72357009	72357122	72358982	+
Xrcc5	MmuEX0052438	chr1	72385671	72386563	72386653	72389583	+
Xrcc5	MmuEX0052439	chr1	72400910	72403195	72403253	72403391	+
Xrcc5	MmuEX0052440	chr1	72362155	72365573	72365764	72371648	+
Xrcc5	MmuEX0052441	chr1	72372928	72376500	72376612	72381210	+
Xrcc5	MmuEX0052442	chr1	72403460	72411253	72411300	72428193	+
Xrcc6	MmuEX0052444	chr15	81856118	81857655	81857841	81859552	+
Xrcc6	MmuEX0052445	chr15	81861692	81866107	81866207	81867887	+
Xrcc6	MmuEX0052446	chr15	81846009	81846312	81846905	81847540	+
Xrcc6	MmuEX0052447	chr15	81847088	81847540	81847628	81849411	+
Xrcc6	MmuEX0052448	chr15	81847628	81849411	81849523	81852875	+
Xrcc6	MmuEX0052449	chr15	81857841	81859552	81859720	81866107	+
Xrcc6	MmuEX0052450	chr15	81857841	81859993	81860154	81866107	+
Xrcc6	MmuEX0052451	chr15	81857841	81861563	81861692	81866107	+
Xrcc6bp1	MmuEX0052452	chr10	1.26E+08	1.26E+08	1.26E+08	1.26E+08	-
Xrn1	MmuEX0052453	chr9	95855362	95864390	95864622	95868131	+
Xrn1	MmuEX0052454	chr9	95879643	95880955	95881032	95882194	+
Xrn1	MmuEX0052455	chr9	95898766	95899833	95899995	95902554	+
Xrn1	MmuEX0052456	chr9	95906531	95907120	95907266	95911630	+
Xrn1	MmuEX0052457	chr9	95869761	95869866	95869976	95871148	+
Xrn1	MmuEX0052458	chr9	95924639	95927257	95927352	95934004	+
Xrn1	MmuEX0052459	chr9	95927352	95929579	95929769	95934004	+
Xrn1	MmuEX0052460	chr9	95936115	95939038	95939148	95939298	+
Xrn1	MmuEX0052461	chr9	95939148	95939298	95939420	95940119	+
Xrn1	MmuEX0052462	chr9	95948862	95952013	95952173	95952932	+
Xrn1	MmuEX0052463	chr9	95871230	95873698	95873785	95873869	+
Xrn1	MmuEX0052464	chr9	95873785	95873869	95874037	95874815	+
Xrn1	MmuEX0052465	chr9	95874037	95874815	95874882	95875181	+
Xrn1	MmuEX0052466	chr9	95904361	95906416	95906531	95907120	+
Xrn1	MmuEX0052467	chr9	95889425	95891395	95891515	95898635	+
Xrn1	MmuEX0052468	chr9	95891706	95895519	95895622	95898635	+
Xrn2	MmuEX0052469	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Xrn2	MmuEX0052470	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Xrn2	MmuEX0052471	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Xrn2	MmuEX0052472	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Xrn2	MmuEX0052473	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Xrn2	MmuEX0052474	chr2	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+

Xylt2	MmuEX0052485	chr11	94531396	94531622	94532114	94538587	-
Xylt2	MmuEX0052486	chr11	94527845	94528413	94528608	94528898	-
Yaf2	MmuEX0052487	chr15	93116993	93166771	93166896	93167188	-
Yaf2	MmuEX0052488	chr15	93116993	93147970	93148039	93166771	-
Yap1	MmuEX0052489	chr9	7973911	7979566	7979652	8001457	-
Yap1	MmuEX0052490	chr9	7938538	7939042	7939046	7950492	-
Yap1	MmuEX0052491	chr9	7938538	7950492	7950539	7952953	-
Yap1	MmuEX0052492	chr9	7953134	7962289	7962402	7973784	-
Yars	MmuEX0052493	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Yars	MmuEX0052494	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Yars	MmuEX0052495	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Yars	MmuEX0052496	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	+
Yars2	MmuEX0052497	chr16	16304796	16306556	16306711	16307303	+
Ybey	MmuEX0052498	chr10	75929110	75930902	75931131	75931519	-
Ybey	MmuEX0052499	chr10	75927070	75928982	75929110	75930902	-
Ybx2	MmuEX0052500	chr11	69750462	69751844	69751877	69752740	+
Ybx2	MmuEX0052501	chr11	69751877	69752314	69752372	69752740	+
Ybx2	MmuEX0052502	chr11	69752829	69753016	69753194	69753376	+
Ybx2	MmuEX0052503	chr11	69751877	69752740	69752829	69753376	+
Ydjc	MmuEX0052505	chr16	17147239	17147326	17147485	17147691	+
Ydjc	MmuEX0052506	chr16	17147790	17147890	17148067	17148249	+
Yeats2	MmuEX0052513	chr16	20189570	20190459	20190562	20193232	+
Yeats2	MmuEX0052517	chr16	20206318	20207697	20207866	20208492	+
Yeats2	MmuEX0052519	chr16	20219764	20221747	20221826	20222813	+
Yeats2	MmuEX0052520	chr16	20228844	20229571	20229644	20230838	+
Yes1	MmuEX0052523	chr5	32961484	32962158	32962186	32963125	+
Yes1	MmuEX0052524	chr5	32919903	32929774	32929882	32942704	+
Yes1	MmuEX0052525	chr5	32954128	32955336	32955439	32955530	+
Yes1	MmuEX0052526	chr5	32957980	32961408	32961484	32963125	+
Yes1	MmuEX0052527	chr5	32914210	32942704	32942976	32947381	+
Yes1	MmuEX0052528	chr5	32914210	32947381	32947480	32954030	+
Yif1a	MmuEX0052529	chr19	5089876	5090004	5090082	5091368	+
Yif1a	MmuEX0052530	chr19	5091425	5091541	5091696	5092129	+
Yif1a	MmuEX0052531	chr19	5091696	5092129	5092222	5092302	+
Yif1b	MmuEX0052532	chr7	30029858	30030685	30030840	30030920	+
Yipf1	MmuEX0052533	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052534	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052535	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052536	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052537	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052538	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052539	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052540	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf1	MmuEX0052541	chr4	1.07E+08	1.07E+08	1.07E+08	1.07E+08	+
Yipf2	MmuEX0052542	chr9	21396662	21396972	21397032	21397171	-
Yipf2	MmuEX0052543	chr9	21396662	21396740	21396847	21396972	-
Yipf2	MmuEX0052544	chr9	21396424	21396505	21396662	21396972	-

Yipf2	MmuEX0052545	chr9	21394916	21395871	21395958	21396344	-
Yipf3	MmuEX0052546	chr17	46385987	46386128	46386234	46387360	+
Yipf3	MmuEX0052547	chr17	46387874	46388063	46388176	46388515	+
Yipf3	MmuEX0052548	chr17	46387874	46388313	46388436	46388515	+
Yipf4	MmuEX0052549	chr17	74889134	74889821	74890052	74891686	+
Yipf5	MmuEX0052550	chr18	40370547	40371462	40371536	40371697	-
Yipf5	MmuEX0052551	chr18	40371869	40378404	40378519	40378558	-
Yipf6	MmuEX0052552	chrX	96133627	96135112	96135240	96135461	+
Yipf6	MmuEX0052553	chrX	96135539	96136126	96136168	96138117	+
Yipf7	MmuEX0052554	chr5	69908437	69910432	69910613	69912264	-
Yipf7	MmuEX0052555	chr5	69918593	69932286	69932402	69933800	-
Yjefn3	MmuEX0052556	chr8	72413036	72413108	72413221	72413342	-
Ykt6	MmuEX0052557	chr11	5859382	5860430	5860444	5861191	+
Ylpm1	MmuEX0052558	chr12	86371837	86374867	86374984	86381523	+
Ylpm1	MmuEX0052559	chr12	86381943	86382773	86382865	86383072	+
Ylpm1	MmuEX0052560	chr12	86398252	86401213	86401264	86405921	+
Yme1l1	MmuEX0052561	chr2	23048082	23048608	23048759	23050037	+
Yme1l1	MmuEX0052562	chr2	23050163	23050255	23050328	23050842	+
Yme1l1	MmuEX0052563	chr2	23018183	23019497	23019584	23020019	+
Yme1l1	MmuEX0052564	chr2	23020117	23023233	23023307	23023805	+
Yme1l1	MmuEX0052565	chr2	23018183	23020019	23020117	23023805	+
Ypel2	MmuEX0052571	chr11	86759478	86775716	86775833	86785311	-
Ypel3	MmuEX0052572	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ypel3	MmuEX0052573	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ypel3	MmuEX0052574	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Ypel5	MmuEX0052576	chr17	73187159	73189056	73189290	73195619	+
Ythdc1	MmuEX0052580	chr5	87251933	87255752	87255836	87256980	+
Ythdc1	MmuEX0052581	chr5	87257146	87257533	87258145	87259579	+
Ythdc1	MmuEX0052582	chr5	87257146	87259579	87259661	87260689	+
Ythdc1	MmuEX0052583	chr5	87244755	87244959	87245105	87245489	+
Ythdc1	MmuEX0052584	chr5	87233616	87238330	87238365	87244654	+
Ythdc1	MmuEX0052585	chr5	87249200	87249658	87249711	87250277	+
Ythdc1	MmuEX0052586	chr5	87261035	87262533	87262667	87264709	+
Ythdc2	MmuEX0052587	chr18	45015078	45016663	45016745	45017842	+
Ythdc2	MmuEX0052588	chr18	45022385	45023919	45024124	45024515	+
Ythdc2	MmuEX0052589	chr18	45004047	45005334	45005482	45007398	+
Ythdc2	MmuEX0052590	chr18	45007533	45009962	45010088	45010290	+
Ythdc2	MmuEX0052591	chr18	45037449	45044777	45044980	45045894	+
Ythdc2	MmuEX0052592	chr18	44989896	44992676	44992872	44996995	+
Ythdc2	MmuEX0052593	chr18	44989896	44994113	44994312	44996995	+
Ythdf1	MmuEX0052594	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Ythdf3	MmuEX0052595	chr3	16083520	16083922	16083946	16089478	+
Ythdf3	MmuEX0052596	chr3	16083946	16086967	16087115	16089478	+
Ythdf3	MmuEX0052597	chr3	16083946	16089478	16089563	16103187	+
Ythdf3	MmuEX0052598	chr3	16105424	16110369	16110522	16113955	+
Ythdf3	MmuEX0052599	chr3	16083946	16087639	16087717	16089478	+
Ythdf3	MmuEX0052600	chr3	16089563	16103187	16103219	16103826	+

Ythdf3	MmuEX0052601	chr3	16089563	16103834	16105424	16113955	+
Ywhab	MmuEX0052602	chr2	1.64E+08	1.64E+08	1.64E+08	1.64E+08	+
Ywhae	MmuEX0052603	chr11	75572930	75576200	75576244	75578122	+
Ywhae	MmuEX0052604	chr11	75569182	75570319	75570525	75572794	+
Ywhag	MmuEX0052605	chr5	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Yy1	MmuEX0052606	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Yy1	MmuEX0052607	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Yy1	MmuEX0052608	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Yy1	MmuEX0052609	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Yy1	MmuEX0052610	chr12	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Zbed3	MmuEX0052629	chr13	96095299	96096900	96096903	96106011	+
Zbtb10	MmuEX0052632	chr3	9252080	9253301	9253391	9264535	+
Zbtb10	MmuEX0052633	chr3	9265420	9278254	9278352	9279956	+
Zbtb10	MmuEX0052634	chr3	9278352	9279956	9280132	9280291	+
Zbtb16	MmuEX0052635	chr9	48525474	48551569	48551666	48639848	-
Zbtb16	MmuEX0052636	chr9	48473430	48525388	48525474	48551569	-
Zbtb17	MmuEX0052637	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb17	MmuEX0052638	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb17	MmuEX0052639	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb17	MmuEX0052640	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb17	MmuEX0052641	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb17	MmuEX0052642	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb17	MmuEX0052643	chr4	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb2	MmuEX0052644	chr10	5958696	5959079	5959189	5971787	+
Zbtb20	MmuEX0052645	chr16	43232933	43302682	43302728	43463060	+
Zbtb20	MmuEX0052646	chr16	43302728	43463060	43463099	43569794	+
Zbtb20	MmuEX0052647	chr16	43302728	43458863	43458957	43463060	+
Zbtb20	MmuEX0052648	chr16	43569894	43571847	43571904	43577674	+
Zbtb20	MmuEX0052649	chr16	43569894	43577143	43577306	43577674	+
Zbtb20	MmuEX0052650	chr16	43569894	43577678	43577861	43609440	+
Zbtb20	MmuEX0052651	chr16	42876037	42907790	42907834	43025051	+
Zbtb20	MmuEX0052652	chr16	42876037	43007131	43007199	43025051	+
Zbtb20	MmuEX0052653	chr16	43463099	43508272	43508435	43569794	+
Zbtb20	MmuEX0052654	chr16	43025100	43072537	43072582	43147010	+
Zbtb20	MmuEX0052655	chr16	43025100	43147010	43147056	43302682	+
Zbtb20	MmuEX0052656	chr16	43147056	43193578	43193651	43302682	+
Zbtb20	MmuEX0052657	chr16	43193651	43232872	43232933	43302682	+
Zbtb20	MmuEX0052658	chr16	43232933	43283084	43283118	43302682	+
Zbtb24	MmuEX0052659	chr10	41175562	41176338	41176421	41182085	+
Zbtb24	MmuEX0052660	chr10	41176421	41182085	41182166	41184083	+
Zbtb24	MmuEX0052661	chr10	41182166	41183768	41183848	41184083	+
Zbtb24	MmuEX0052662	chr10	41171896	41174834	41175001	41175479	+
Zbtb25	MmuEX0052663	chr12	77457055	77458047	77458272	77470427	-
Zbtb25	MmuEX0052664	chr12	77451260	77456876	77457055	77470427	-
Zbtb37	MmuEX0052670	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Zbtb37	MmuEX0052672	chr1	1.63E+08	1.63E+08	1.63E+08	1.63E+08	-
Zbtb38	MmuEX0052673	chr9	96589448	96618629	96618728	96631711	-

Zbtb38	MmuEX0052674	chr9	96618728	96631711	96632161	96632667	-
Zbtb4	MmuEX0052675	chr11	69579587	69586569	69586631	69588878	+
Zbtb4	MmuEX0052676	chr11	69579587	69584743	69584789	69588878	+
Zbtb40	MmuEX0052677	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052678	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052679	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052680	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052681	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052682	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052683	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb40	MmuEX0052684	chr4	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Zbtb41	MmuEX0052685	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb41	MmuEX0052686	chr1	1.41E+08	1.41E+08	1.41E+08	1.41E+08	+
Zbtb43	MmuEX0052687	chr2	33310643	33320434	33320494	33323953	-
Zbtb43	MmuEX0052688	chr2	33310643	33317786	33317877	33320434	-
Zbtb46	MmuEX0052689	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Zbtb46	MmuEX0052690	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Zbtb46	MmuEX0052691	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Zbtb48	MmuEX0052692	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Zbtb48	MmuEX0052693	chr4	1.51E+08	1.51E+08	1.51E+08	1.51E+08	-
Zbtb49	MmuEX0052694	chr5	38605622	38607686	38607852	38611562	-
Zbtb49	MmuEX0052695	chr5	38592552	38594735	38594896	38594984	-
Zbtb49	MmuEX0052696	chr5	38601903	38604547	38605303	38607686	-
Zbtb49	MmuEX0052698	chr5	38597201	38601857	38601903	38604547	-
Zbtb49	MmuEX0052699	chr5	38595066	38597128	38597201	38601857	-
Zbtb7a	MmuEX0052700	chr10	80599444	80600144	80600815	80606707	+
Zbtb7b	MmuEX0052701	chr3	89185437	89195876	89196610	89196957	-
Zbtb8a	MmuEX0052708	chr4	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Zc3h10	MmuEX0052712	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Zc3h10	MmuEX0052713	chr10	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Zc3h11a	MmuEX0052714	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Zc3h11a	MmuEX0052715	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Zc3h11a	MmuEX0052716	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Zc3h11a	MmuEX0052717	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Zc3h11a	MmuEX0052718	chr1	1.36E+08	1.36E+08	1.36E+08	1.36E+08	-
Zc3h12a	MmuEX0052719	chr4	1.25E+08	1.25E+08	1.25E+08	1.25E+08	-
Zc3h12c	MmuEX0052723	chr9	51925750	51928262	51928496	51934668	-
Zc3h12c	MmuEX0052724	chr9	51924907	51925644	51925750	51928262	-
Zc3h13	MmuEX0052728	chr14	75684472	75684844	75684895	75691376	+
Zc3h13	MmuEX0052729	chr14	75727951	75729481	75729584	75729876	+
Zc3h13	MmuEX0052730	chr14	75737377	75737771	75738004	75739116	+
Zc3h13	MmuEX0052731	chr14	75735881	75737177	75737377	75739116	+
Zc3h13	MmuEX0052732	chr14	75684472	75691379	75691501	75705596	+
Zc3h13	MmuEX0052733	chr14	75684472	75691985	75692094	75705596	+
Zc3h13	MmuEX0052734	chr14	75684472	75693698	75693809	75705596	+
Zc3h13	MmuEX0052735	chr14	75684472	75705596	75705704	75721404	+
Zc3h13	MmuEX0052736	chr14	75684472	75708716	75708855	75721404	+

Zc3h13	MmuEX0052737	chr14	75684472	75709452	75709609	75721404	+
Zc3h13	MmuEX0052738	chr14	75684472	75715688	75715885	75721404	+
Zc3h14	MmuEX0052739	chr12	99991102	99994395	99994435	99995219	+
Zc3h14	MmuEX0052740	chr12	99985368	99985690	99985732	99990988	+
Zc3h14	MmuEX0052741	chr12	99985732	99990988	99991102	99994395	+
Zc3h14	MmuEX0052742	chr12	1E+08	1E+08	1E+08	1E+08	+
Zc3h14	MmuEX0052743	chr12	1E+08	1E+08	1E+08	1E+08	+
Zc3h14	MmuEX0052744	chr12	1E+08	1E+08	1E+08	1E+08	+
Zc3h18	MmuEX0052745	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zc3h18	MmuEX0052746	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zc3h18	MmuEX0052747	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zc3h18	MmuEX0052748	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zc3h3	MmuEX0052750	chr15	75616067	75670302	75670994	75672280	-
Zc3h4	MmuEX0052751	chr7	17006856	17007538	17007634	17007727	+
Zc3h4	MmuEX0052752	chr7	17007634	17007727	17007866	17009197	+
Zc3h4	MmuEX0052753	chr7	17002341	17002640	17002750	17005507	+
Zc3h4	MmuEX0052754	chr7	17015259	17018123	17018371	17019370	+
Zc3h4	MmuEX0052755	chr7	16986390	16987804	16987865	17002122	+
Zc3h7a	MmuEX0052756	chr16	11158856	11159059	11159217	11161097	-
Zc3h7a	MmuEX0052757	chr16	11158685	11158776	11158856	11159059	-
Zc3h7a	MmuEX0052758	chr16	11156654	11158647	11158685	11158776	-
Zc3h7a	MmuEX0052759	chr16	11150849	11151232	11151418	11151959	-
Zc3h7a	MmuEX0052760	chr16	11149500	11150688	11150849	11151232	-
Zc3h7a	MmuEX0052761	chr16	11139277	11140810	11140943	11141756	-
Zc3h7a	MmuEX0052762	chr16	11137578	11139114	11139277	11140810	-
Zc3h7a	MmuEX0052763	chr16	11141864	11145335	11145378	11145739	-
Zc3h7a	MmuEX0052764	chr16	11159217	11162733	11162772	11164685	-
Zc3h7a	MmuEX0052765	chr16	11159217	11161097	11161294	11164685	-
Zc3h7a	MmuEX0052766	chr16	11148638	11149304	11149500	11150688	-
Zc3h7a	MmuEX0052767	chr16	11151418	11153152	11153356	11156113	-
Zc3h7a	MmuEX0052768	chr16	11152023	11152285	11152424	11153152	-
Zc3h7a	MmuEX0052769	chr16	11151418	11151959	11152023	11153152	-
Zc3h7b	MmuEX0052770	chr15	81623343	81623450	81623613	81623931	+
Zc3h7b	MmuEX0052771	chr15	81599296	81599414	81599611	81602168	+
Zc3h7b	MmuEX0052772	chr15	81599611	81602168	81602326	81602858	+
Zc3h7b	MmuEX0052773	chr15	81602938	81603716	81603772	81606236	+
Zc3h8	MmuEX0052775	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Zc3h8	MmuEX0052776	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Zc3h8	MmuEX0052777	chr2	1.29E+08	1.29E+08	1.29E+08	1.29E+08	-
Zc3hav1	MmuEX0052778	chr6	38266423	38269704	38269824	38275192	-
Zc3hav1	MmuEX0052779	chr6	38275366	38279149	38279272	38281763	-
Zc3hav1	MmuEX0052780	chr6	38281861	38282490	38283188	38286412	-
Zc3hc1	MmuEX0052782	chr6	30316745	30319933	30319976	30320265	-
Zcchc10	MmuEX0052783	chr11	53138243	53140771	53140929	53144189	+
Zcchc10	MmuEX0052784	chr11	53140929	53144189	53144233	53145557	+
Zcchc10	MmuEX0052785	chr11	53144233	53145150	53145204	53145557	+
Zcchc11	MmuEX0052786	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+

Zcchc11	MmuEX0052787	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052788	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052789	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052790	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052791	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052792	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052793	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052794	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052795	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc11	MmuEX0052796	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc14	MmuEX0052798	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc14	MmuEX0052799	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc14	MmuEX0052800	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc14	MmuEX0052801	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc14	MmuEX0052802	chr8	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc17	MmuEX0052804	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zcchc17	MmuEX0052805	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zcchc17	MmuEX0052806	chr4	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zcchc2	MmuEX0052808	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc2	MmuEX0052809	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc2	MmuEX0052810	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc2	MmuEX0052811	chr1	1.08E+08	1.08E+08	1.08E+08	1.08E+08	+
Zcchc24	MmuEX0052812	chr14	26539277	26576497	26576697	26588097	-
Zcchc4	MmuEX0052813	chr5	53174453	53175228	53175346	53176337	+
Zcchc4	MmuEX0052814	chr5	53207476	53208029	53208071	53209846	+
Zcchc4	MmuEX0052815	chr5	53175346	53176337	53176419	53187216	+
Zcchc4	MmuEX0052816	chr5	53187491	53187821	53187898	53195618	+
Zcchc4	MmuEX0052817	chr5	53187898	53193854	53194036	53195618	+
Zcchc4	MmuEX0052818	chr5	53207161	53207401	53207476	53209846	+
Zcchc4	MmuEX0052819	chr5	53187898	53195618	53195690	53198196	+
Zcchc4	MmuEX0052820	chr5	53195690	53198196	53198346	53207040	+
Zcchc4	MmuEX0052821	chr5	53198346	53199499	53199599	53207040	+
Zcchc4	MmuEX0052822	chr5	53199599	53205064	53205330	53207040	+
Zcchc4	MmuEX0052823	chr5	53199599	53205468	53205552	53207040	+
Zcchc6	MmuEX0052824	chr13	59906736	59909407	59909526	59910739	-
Zcchc6	MmuEX0052825	chr13	59902077	59902457	59902619	59903377	-
Zcchc6	MmuEX0052826	chr13	59889998	59890545	59890622	59890773	-
Zcchc6	MmuEX0052827	chr13	59886241	59887082	59887173	59887256	-
Zcchc6	MmuEX0052828	chr13	59883704	59886126	59886241	59887082	-
Zcchc6	MmuEX0052829	chr13	59874220	59879928	59880015	59880113	-
Zcchc6	MmuEX0052830	chr13	59880176	59880557	59880562	59883379	-
Zcchc6	MmuEX0052831	chr13	59912927	59916227	59916315	59916907	-
Zcchc6	MmuEX0052832	chr13	59912001	59912876	59912927	59916227	-
Zcchc6	MmuEX0052833	chr13	59874220	59880498	59880562	59883379	-
Zcchc6	MmuEX0052834	chr13	59874220	59880113	59880176	59883379	-
Zcchc6	MmuEX0052835	chr13	59903557	59904353	59904472	59906584	-
Zcchc6	MmuEX0052836	chr13	59895865	59898181	59898281	59899031	-

Zcchc7	MmuEX0052837	chr4	44906442	44907009	44907167	44907788	+
Zcchc7	MmuEX0052838	chr4	44906442	44907788	44907913	44908691	+
Zcchc7	MmuEX0052839	chr4	44921358	44929056	44929184	44938847	+
Zcchc7	MmuEX0052840	chr4	44942107	44942453	44942517	44943908	+
Zcchc7	MmuEX0052841	chr4	44775346	44906405	44906442	44907788	+
Zcchc8	MmuEX0052842	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc8	MmuEX0052843	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc8	MmuEX0052844	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc8	MmuEX0052845	chr5	1.24E+08	1.24E+08	1.24E+08	1.24E+08	-
Zcchc9	MmuEX0052846	chr13	91940308	91940471	91940621	91945356	-
Zcrb1	MmuEX0052847	chr15	93218290	93220388	93220525	93221482	-
Zcrb1	MmuEX0052848	chr15	93221589	93224138	93224195	93226018	-
Zcrb1	MmuEX0052849	chr15	93221589	93221885	93221996	93226018	-
Zcrb1	MmuEX0052850	chr15	93218290	93221482	93221589	93226018	-
Zcwpw1	MmuEX0052857	chr5	1.38E+08	1.38E+08	1.38E+08	1.38E+08	+
Zdhhc1	MmuEX0052866	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zdhhc1	MmuEX0052867	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zdhhc1	MmuEX0052868	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zdhhc1	MmuEX0052869	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zdhhc1	MmuEX0052870	chr8	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zdhhc12	MmuEX0052871	chr2	29948061	29948819	29948901	29949009	-
Zdhhc13	MmuEX0052872	chr7	56070946	56071790	56071852	56072516	+
Zdhhc13	MmuEX0052873	chr7	56072609	56074007	56074090	56077940	+
Zdhhc13	MmuEX0052874	chr7	56074090	56077940	56078097	56080004	+
Zdhhc13	MmuEX0052875	chr7	56044507	56051276	56051416	56055199	+
Zdhhc13	MmuEX0052876	chr7	56061064	56064163	56064296	56066695	+
Zdhhc14	MmuEX0052877	chr17	5493691	5647903	5648063	5685655	+
Zdhhc14	MmuEX0052878	chr17	5648063	5685655	5685813	5712388	+
Zdhhc14	MmuEX0052879	chr17	5731574	5733011	5733193	5752737	+
Zdhhc14	MmuEX0052880	chr17	5685813	5712388	5712525	5726825	+
Zdhhc14	MmuEX0052882	chr17	5685813	5725227	5725329	5726825	+
Zdhhc16	MmuEX0052889	chr19	42015225	42016006	42016129	42016426	+
Zdhhc16	MmuEX0052890	chr19	42016496	42016620	42016931	42018228	+
Zdhhc16	MmuEX0052891	chr19	42008155	42009330	42009373	42012093	+
Zdhhc16	MmuEX0052892	chr19	42012340	42012513	42012602	42012854	+
Zdhhc16	MmuEX0052893	chr19	42012942	42013298	42013326	42014090	+
Zdhhc16	MmuEX0052894	chr19	42013326	42014178	42014223	42015140	+
Zdhhc16	MmuEX0052895	chr19	42014223	42014347	42014394	42015140	+
Zdhhc16	MmuEX0052896	chr19	42014223	42015140	42015225	42016006	+
Zdhhc17	MmuEX0052897	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Zdhhc17	MmuEX0052898	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Zdhhc17	MmuEX0052899	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Zdhhc17	MmuEX0052900	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Zdhhc17	MmuEX0052901	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Zdhhc17	MmuEX0052902	chr10	1.1E+08	1.1E+08	1.1E+08	1.1E+08	-
Zdhhc18	MmuEX0052903	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Zdhhc18	MmuEX0052904	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-

Zdhhc18	MmuEX0052905	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Zdhhc18	MmuEX0052906	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Zdhhc18	MmuEX0052907	chr4	1.33E+08	1.33E+08	1.33E+08	1.33E+08	-
Zdhhc2	MmuEX0052913	chr8	41549644	41552783	41552909	41553265	+
Zdhhc20	MmuEX0052914	chr14	58455483	58456428	58456504	58457927	-
Zdhhc20	MmuEX0052915	chr14	58475567	58476465	58476497	58477377	-
Zdhhc20	MmuEX0052916	chr14	58465899	58475447	58475567	58476465	-
Zdhhc20	MmuEX0052917	chr14	58458042	58458388	58458432	58459666	-
Zdhhc20	MmuEX0052918	chr14	58456504	58457927	58458042	58459666	-
Zdhhc20	MmuEX0052919	chr14	58484478	58492730	58492833	58497270	-
Zdhhc20	MmuEX0052920	chr14	58477446	58484358	58484478	58492730	-
Zdhhc20	MmuEX0052921	chr14	58465899	58468982	58469017	58475447	-
Zdhhc20	MmuEX0052922	chr14	58462151	58465758	58465899	58475447	-
Zdhhc21	MmuEX0052923	chr4	82493643	82499873	82500019	82505394	-
Zdhhc21	MmuEX0052924	chr4	82490106	82493447	82493643	82499873	-
Zdhhc21	MmuEX0052925	chr4	82484291	82485825	82485890	82490008	-
Zdhhc21	MmuEX0052926	chr4	82466350	82481350	82481488	82484180	-
Zdhhc21	MmuEX0052927	chr4	82452960	82466234	82466350	82481350	-
Zdhhc3	MmuEX0052929	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc3	MmuEX0052930	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc3	MmuEX0052931	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc3	MmuEX0052932	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc3	MmuEX0052933	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc4	MmuEX0052934	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Zdhhc4	MmuEX0052935	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Zdhhc4	MmuEX0052936	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Zdhhc4	MmuEX0052937	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Zdhhc5	MmuEX0052938	chr2	84530866	84531283	84531395	84532043	-
Zdhhc5	MmuEX0052939	chr2	84542611	84550475	84551629	84555140	-
Zdhhc5	MmuEX0052940	chr2	84536557	84542490	84542611	84550475	-
Zdhhc6	MmuEX0052941	chr19	55364174	55377048	55377094	55377181	-
Zdhhc7	MmuEX0052943	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc7	MmuEX0052944	chr8	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zdhhc8	MmuEX0052945	chr16	18228324	18228407	18228564	18228728	-
Zdhhc8	MmuEX0052946	chr16	18225308	18226317	18226388	18226552	-
Zdhhc8	MmuEX0052947	chr16	18223470	18224311	18225308	18226552	-
Zdhhc8	MmuEX0052948	chr16	18227281	18227448	18227539	18227869	-
Zdhhc9	MmuEX0052949	chrX	45535324	45536198	45536335	45544398	-
Zeb1	MmuEX0052950	chr18	5591965	5705041	5705241	5748692	+
Zeb1	MmuEX0052951	chr18	5759165	5761326	5761431	5766219	+
Zeb1	MmuEX0052952	chr18	5768023	5770382	5770562	5772427	+
Zeb1	MmuEX0052953	chr18	5594470	5603742	5604081	5633202	+
Zeb1	MmuEX0052954	chr18	5604081	5633202	5633355	5641380	+
Zeb1	MmuEX0052955	chr18	5705241	5748692	5748853	5758963	+
Zeb1	MmuEX0052956	chr18	5591965	5641380	5641516	5705041	+
Zeb2	MmuEX0052957	chr2	44844673	44848453	44848540	44849999	-
Zeb2	MmuEX0052958	chr2	44872988	44878367	44878624	44965536	-

Zeb2	MmuEX0052959	chr2	44858224	44872917	44872988	44878367	-
Zeb2	MmuEX0052960	chr2	44965677	44968343	44968612	44972720	-
Zeb2	MmuEX0052961	chr2	44965677	44966540	44966690	44968343	-
Zfand2a	MmuEX0052962	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Zfand2a	MmuEX0052963	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Zfand2a	MmuEX0052964	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Zfand2a	MmuEX0052965	chr5	1.4E+08	1.4E+08	1.4E+08	1.4E+08	-
Zfand3	MmuEX0052966	chr17	30142253	30197755	30197795	30272268	+
Zfand3	MmuEX0052967	chr17	30197795	30210418	30210596	30272268	+
Zfand3	MmuEX0052968	chr17	30197795	30272268	30272450	30290248	+
Zfand3	MmuEX0052969	chr17	30272604	30290248	30290313	30329508	+
Zfand3	MmuEX0052970	chr17	30290313	30329508	30329675	30344963	+
Zfand5	MmuEX0052971	chr19	21347232	21347921	21348139	21350916	+
Zfand5	MmuEX0052972	chr19	21351075	21351468	21351579	21352145	+
Zfand5	MmuEX0052973	chr19	21351579	21352145	21352248	21354115	+
Zfand6	MmuEX0052974	chr7	91782919	91801392	91801552	91838256	-
Zfand6	MmuEX0052975	chr7	91782919	91790796	91790947	91801392	-
Zfand6	MmuEX0052976	chr7	91766473	91769378	91769422	91781166	-
Zfat	MmuEX0052979	chr15	68012720	68018613	68018798	68044155	-
Zfat	MmuEX0052980	chr15	68012720	68015983	68016133	68044155	-
Zfat	MmuEX0052981	chr15	67950636	67978065	67978153	67997315	-
Zfat	MmuEX0052982	chr15	67942124	67950498	67950636	67997315	-
Zfc3h1	MmuEX0052983	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052984	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052985	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052986	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052987	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052988	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052989	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfc3h1	MmuEX0052990	chr10	1.15E+08	1.15E+08	1.15E+08	1.15E+08	+
Zfml	MmuEX0052996	chr6	83908246	83909075	83909195	83909925	+
Zfml	MmuEX0052997	chr6	83916482	83917287	83917421	83919111	+
Zfml	MmuEX0052998	chr6	83917421	83919111	83919233	83922240	+
Zfml	MmuEX0052999	chr6	83926344	83926723	83927423	83928016	+
Zfml	MmuEX0053000	chr6	83927423	83928016	83928081	83928988	+
Zfml	MmuEX0053001	chr6	83928081	83928988	83929903	83933970	+
Zfml	MmuEX0053002	chr6	83929903	83931678	83931779	83933970	+
Zfml	MmuEX0053003	chr6	83896357	83897813	83897935	83903078	+
Zfml	MmuEX0053004	chr6	83903136	83903329	83903381	83904705	+
Zfml	MmuEX0053005	chr6	83903381	83904705	83904755	83908178	+
Zfml	MmuEX0053006	chr6	83904755	83906688	83906756	83908178	+
Zfml	MmuEX0053007	chr6	83906756	83907503	83907586	83908178	+
Zfml	MmuEX0053008	chr6	83907586	83908178	83908246	83909925	+
Zfml	MmuEX0053009	chr6	83922277	83926196	83926344	83933970	+
Zfp1	MmuEX0053010	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Zfp1	MmuEX0053011	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Zfp1	MmuEX0053012	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+

Zfp1	MmuEX0053013	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Zfp106	MmuEX0053015	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp106	MmuEX0053016	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp106	MmuEX0053017	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp106	MmuEX0053018	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp106	MmuEX0053019	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp106	MmuEX0053020	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp106	MmuEX0053021	chr2	1.2E+08	1.2E+08	1.2E+08	1.2E+08	-
Zfp11	MmuEX0053022	chr5	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zfp110	MmuEX0053023	chr7	13421768	13422438	13422533	13429781	+
Zfp112	MmuEX0053024	chr7	24907379	24908938	24909033	24909854	+
Zfp112	MmuEX0053026	chr7	24903402	24907253	24907379	24908938	+
Zfp113	MmuEX0053027	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Zfp113	MmuEX0053028	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Zfp12	MmuEX0053030	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	+
Zfp120	MmuEX0053031	chr2	1.5E+08	1.5E+08	1.5E+08	1.5E+08	-
Zfp128	MmuEX0053032	chr7	13466709	13469992	13470118	13470372	+
Zfp142	MmuEX0053036	chr1	74626501	74631958	74632271	74634138	-
Zfp142	MmuEX0053037	chr1	74623178	74624697	74624861	74631958	-
Zfp142	MmuEX0053038	chr1	74619157	74620113	74620290	74622354	-
Zfp142	MmuEX0053039	chr1	74624861	74625899	74625980	74631958	-
Zfp143	MmuEX0053040	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zfp143	MmuEX0053041	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zfp143	MmuEX0053042	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zfp143	MmuEX0053043	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zfp143	MmuEX0053044	chr7	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zfp146	MmuEX0053045	chr7	30948247	30948346	30948392	30954678	-
Zfp148	MmuEX0053046	chr16	33427415	33434712	33435060	33456962	+
Zfp148	MmuEX0053047	chr16	33435060	33456962	33457087	33466941	+
Zfp148	MmuEX0053048	chr16	33457105	33466941	33467064	33495431	+
Zfp148	MmuEX0053049	chr16	33467064	33468186	33468269	33495431	+
Zfp157	MmuEX0053050	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zfp157	MmuEX0053051	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zfp157	MmuEX0053052	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zfp160	MmuEX0053053	chr17	21146072	21148640	21148736	21157036	+
Zfp160	MmuEX0053054	chr17	21148741	21155793	21155853	21157036	+
Zfp160	MmuEX0053055	chr17	21148741	21157036	21157162	21157670	+
Zfp167	MmuEX0053057	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Zfp167	MmuEX0053058	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	+
Zfp180	MmuEX0053059	chr7	24867257	24870445	24870525	24882840	+
Zfp180	MmuEX0053060	chr7	24870525	24871507	24871610	24882840	+
Zfp180	MmuEX0053061	chr7	24870525	24882840	24882914	24889424	+
Zfp180	MmuEX0053062	chr7	24882914	24886507	24886587	24889424	+
Zfp187	MmuEX0053074	chr13	21539763	21541143	21541202	21541310	-
Zfp187	MmuEX0053075	chr13	21539763	21540036	21540353	21541310	-
Zfp189	MmuEX0053076	chr4	49534467	49535270	49535354	49541889	+
Zfp192	MmuEX0053077	chr13	21612831	21614093	21614184	21617007	-

Zfp192	MmuEX0053078	chr13	21612831	21613655	21613778	21614093	-
Zfp2	MmuEX0053079	chr11	50724397	50725782	50725903	50729611	-
Zfp2	MmuEX0053080	chr11	50719659	50724252	50724378	50725782	-
Zfp2	MmuEX0053081	chr11	50719659	50723938	50724027	50724208	-
Zfp2	MmuEX0053082	chr11	50714793	50719592	50719659	50723938	-
Zfp202	MmuEX0053084	chr9	40016551	40017352	40017481	40018026	+
Zfp202	MmuEX0053085	chr9	40017481	40018026	40018145	40018481	+
Zfp207	MmuEX0053086	chr11	80209377	80211918	80211972	80216148	+
Zfp207	MmuEX0053087	chr11	80216226	80216867	80216910	80217103	+
Zfp207	MmuEX0053088	chr11	80202832	80203276	80203323	80204833	+
Zfp207	MmuEX0053089	chr11	80209075	80209294	80209377	80211918	+
Zfp207	MmuEX0053090	chr11	80205494	80206586	80206678	80207788	+
Zfp213	MmuEX0053091	chr17	23697069	23697326	23697430	23698113	-
Zfp217	MmuEX0053092	chr2	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Zfp217	MmuEX0053093	chr2	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Zfp217	MmuEX0053094	chr2	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Zfp217	MmuEX0053095	chr2	1.7E+08	1.7E+08	1.7E+08	1.7E+08	-
Zfp219	MmuEX0053096	chr14	52629337	52629645	52629733	52640198	-
Zfp235	MmuEX0053101	chr7	24920334	24922065	24922191	24925319	+
Zfp236	MmuEX0053103	chr18	82826569	82827395	82827598	82834230	-
Zfp236	MmuEX0053105	chr18	82793878	82797546	82797758	82799363	-
Zfp236	MmuEX0053106	chr18	82843877	82849984	82850148	82851537	-
Zfp236	MmuEX0053107	chr18	82841202	82843699	82843877	82849984	-
Zfp236	MmuEX0053108	chr18	82834373	82837964	82838136	82841078	-
Zfp236	MmuEX0053109	chr18	82773778	82777140	82777271	82778680	-
Zfp236	MmuEX0053110	chr18	82778867	82779997	82780078	82787102	-
Zfp238	MmuEX0053112	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Zfp238	MmuEX0053113	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Zfp238	MmuEX0053114	chr1	1.79E+08	1.79E+08	1.79E+08	1.79E+08	+
Zfp251	MmuEX0053122	chr15	76700350	76700712	76700844	76701083	-
Zfp251	MmuEX0053123	chr15	76685044	76700237	76700350	76701083	-
Zfp259	MmuEX0053124	chr9	46084669	46084875	46084945	46085729	+
Zfp26	MmuEX0053125	chr9	20244048	20244636	20244719	20245773	-
Zfp26	MmuEX0053126	chr9	20246709	20248703	20248811	20249338	-
Zfp26	MmuEX0053127	chr9	20245899	20246624	20246709	20248703	-
Zfp260	MmuEX0053128	chr7	30880230	30884547	30884741	30889249	+
Zfp263	MmuEX0053129	chr16	3745214	3745302	3745512	3745777	+
Zfp263	MmuEX0053130	chr16	3745214	3745777	3745957	3746771	+
Zfp263	MmuEX0053131	chr16	3745214	3746422	3746495	3746771	+
Zfp263	MmuEX0053132	chr16	3745214	3746771	3746853	3748149	+
Zfp266	MmuEX0053133	chr9	20305397	20306485	20306565	20309496	-
Zfp266	MmuEX0053134	chr9	20312629	20325464	20325563	20325788	-
Zfp266	MmuEX0053135	chr9	20310509	20312463	20312629	20325464	-
Zfp266	MmuEX0053136	chr9	20311326	20312077	20312167	20312463	-
Zfp266	MmuEX0053137	chr9	20310509	20311172	20311273	20312463	-
Zfp27	MmuEX0053138	chr7	30685357	30688919	30689078	30691073	-
Zfp27	MmuEX0053139	chr7	30683897	30685257	30685357	30688919	-

Zfp276	MmuEX0053142	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Zfp276	MmuEX0053143	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Zfp276	MmuEX0053144	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Zfp276	MmuEX0053145	chr8	1.26E+08	1.26E+08	1.26E+08	1.26E+08	+
Zfp277	MmuEX0053146	chr12	41049184	41052263	41052546	41055262	-
Zfp277	MmuEX0053147	chr12	41105461	41153259	41153357	41172253	-
Zfp277	MmuEX0053148	chr12	41105461	41137163	41137540	41172253	-
Zfp277	MmuEX0053149	chr12	41090757	41105260	41105461	41172253	-
Zfp28	MmuEX0053151	chr7	6345006	6345458	6345557	6346077	+
Zfp28	MmuEX0053154	chr7	6343270	6344892	6345006	6346077	+
Zfp28	MmuEX0053155	chr7	6343270	6345304	6345423	6346077	+
Zfp280b	MmuEX0053156	chr10	75495494	75495714	75495820	75500979	+
Zfp280c	MmuEX0053158	chrX	45911592	45912220	45912320	45912844	-
Zfp280c	MmuEX0053161	chrX	45896618	45896762	45896880	45900442	-
Zfp280c	MmuEX0053162	chrX	45913001	45916859	45917079	45919885	-
Zfp280d	MmuEX0053167	chr9	72122836	72143086	72143129	72176835	+
Zfp280d	MmuEX0053168	chr9	72122836	72160458	72160567	72166899	+
Zfp280d	MmuEX0053169	chr9	72160567	72166531	72166648	72166899	+
Zfp280d	MmuEX0053170	chr9	72122836	72166899	72167122	72208093	+
Zfp280d	MmuEX0053171	chr9	72122836	72170260	72170417	72208093	+
Zfp280d	MmuEX0053172	chr9	72122836	72170807	72170907	72208093	+
Zfp280d	MmuEX0053173	chr9	72122836	72171815	72171961	72208093	+
Zfp280d	MmuEX0053174	chr9	72122836	72176835	72176969	72208093	+
Zfp280d	MmuEX0053175	chr9	72176969	72177317	72177417	72178673	+
Zfp280d	MmuEX0053176	chr9	72176969	72177516	72177760	72178673	+
Zfp280d	MmuEX0053177	chr9	72122836	72178673	72178980	72208093	+
Zfp280d	MmuEX0053178	chr9	72122836	72143782	72143842	72146509	+
Zfp280d	MmuEX0053179	chr9	72122836	72179100	72179240	72208093	+
Zfp280d	MmuEX0053180	chr9	72122836	72182854	72182916	72208093	+
Zfp280d	MmuEX0053181	chr9	72182916	72186553	72186671	72208093	+
Zfp280d	MmuEX0053182	chr9	72186671	72186819	72186855	72208093	+
Zfp280d	MmuEX0053183	chr9	72186855	72187423	72188146	72199332	+
Zfp280d	MmuEX0053184	chr9	72186855	72199332	72199377	72208093	+
Zfp280d	MmuEX0053185	chr9	72199377	72207329	72207387	72208093	+
Zfp280d	MmuEX0053186	chr9	72199377	72208100	72208148	72209741	+
Zfp280d	MmuEX0053187	chr9	72143842	72146509	72146655	72149508	+
Zfp280d	MmuEX0053188	chr9	72146655	72149508	72149573	72149674	+
Zfp280d	MmuEX0053189	chr9	72149573	72149674	72149813	72155758	+
Zfp280d	MmuEX0053190	chr9	72149813	72151052	72151134	72155758	+
Zfp280d	MmuEX0053191	chr9	72122836	72155758	72155875	72208093	+
Zfp280d	MmuEX0053192	chr9	72155875	72157059	72157213	72159885	+
Zfp280d	MmuEX0053193	chr9	72155875	72159885	72160055	72160458	+
Zfp282	MmuEX0053194	chr6	47830418	47840065	47840191	47840603	+
Zfp287	MmuEX0053200	chr11	62538876	62541052	62541155	62541784	-
Zfp292	MmuEX0053202	chr4	34759292	34763523	34763664	34766713	-
Zfp292	MmuEX0053203	chr4	34774144	34787081	34787235	34830007	-
Zfp292	MmuEX0053204	chr4	34774144	34786818	34786896	34830007	-

Zfp292	MmuEX0053205	chr4	34774144	34786581	34786716	34830007	-
Zfp292	MmuEX0053206	chr4	34766849	34773942	34774129	34786581	-
Zfp295	MmuEX0053207	chr16	98174258	98177923	98178065	98183579	-
Zfp30	MmuEX0053209	chr7	30571322	30573068	30573194	30574357	+
Zfp316	MmuEX0053210	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Zfp316	MmuEX0053211	chr5	1.44E+08	1.44E+08	1.44E+08	1.44E+08	-
Zfp317	MmuEX0053212	chr9	19433650	19436778	19436832	19445510	+
Zfp317	MmuEX0053213	chr9	19448148	19449669	19449742	19451146	+
Zfp317	MmuEX0053214	chr9	19426729	19428676	19428742	19433541	+
Zfp317	MmuEX0053215	chr9	19426729	19429944	19430081	19433541	+
Zfp317	MmuEX0053216	chr9	19426729	19430360	19430439	19433541	+
Zfp317	MmuEX0053217	chr9	19445698	19446432	19446547	19447042	+
Zfp318	MmuEX0053218	chr17	46537040	46539255	46539337	46539683	+
Zfp318	MmuEX0053219	chr17	46546168	46546629	46546728	46547222	+
Zfp318	MmuEX0053220	chr17	46521279	46523661	46523812	46533611	+
Zfp318	MmuEX0053221	chr17	46534253	46535589	46537040	46539683	+
Zfp322a	MmuEX0053222	chr13	23449582	23454672	23454744	23459989	-
Zfp322a	MmuEX0053223	chr13	23449582	23454449	23454523	23454672	-
Zfp324	MmuEX0053224	chr7	13551648	13554144	13554270	13554713	+
Zfp326	MmuEX0053225	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp326	MmuEX0053226	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp326	MmuEX0053227	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp326	MmuEX0053228	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp326	MmuEX0053229	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp326	MmuEX0053230	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp326	MmuEX0053231	chr5	1.06E+08	1.06E+08	1.06E+08	1.06E+08	+
Zfp335	MmuEX0053235	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Zfp335	MmuEX0053236	chr2	1.65E+08	1.65E+08	1.65E+08	1.65E+08	-
Zfp341	MmuEX0053240	chr2	1.54E+08	1.54E+08	1.54E+08	1.54E+08	+
Zfp346	MmuEX0053244	chr13	55206879	55208656	55208751	55214397	+
Zfp346	MmuEX0053245	chr13	55206879	55214397	55214500	55223643	+
Zfp346	MmuEX0053246	chr13	55214500	55215039	55215131	55223643	+
Zfp346	MmuEX0053247	chr13	55215131	55216844	55216985	55223643	+
Zfp346	MmuEX0053248	chr13	55216985	55223691	55223876	55231895	+
Zfp346	MmuEX0053249	chr13	55223876	55231895	55231988	55233668	+
Zfp354b	MmuEX0053252	chr11	50743005	50744403	50744487	50745007	-
Zfp354b	MmuEX0053253	chr11	50742161	50742879	50743005	50744403	-
Zfp358	MmuEX0053256	chr8	3493309	3493805	3493887	3495382	+
Zfp362	MmuEX0053257	chr4	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Zfp362	MmuEX0053258	chr4	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Zfp366	MmuEX0053259	chr13	99999610	1E+08	1E+08	1E+08	+
Zfp366	MmuEX0053260	chr13	99954819	99998274	99999610	1E+08	+
Zfp367	MmuEX0053261	chr13	64246988	64248790	64248871	64253697	-
Zfp367	MmuEX0053262	chr13	64236844	64243516	64243654	64245463	-
Zfp367	MmuEX0053263	chr13	64246988	64251378	64251416	64253697	-
Zfp369	MmuEX0053264	chr13	65386324	65393131	65393613	65395704	+
Zfp369	MmuEX0053265	chr13	65380406	65380569	65380648	65381570	+

Zfp369	MmuEX0053266	chr13	65381696	65386229	65386324	65393131	+
Zfp384	MmuEX0053271	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp384	MmuEX0053272	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp384	MmuEX0053273	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp384	MmuEX0053274	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp384	MmuEX0053275	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp384	MmuEX0053276	chr6	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp385a	MmuEX0053278	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Zfp385a	MmuEX0053279	chr15	1.03E+08	1.03E+08	1.03E+08	1.03E+08	-
Zfp385b	MmuEX0053280	chr2	77319422	77321794	77321880	77341597	-
Zfp385b	MmuEX0053281	chr2	77252808	77253787	77254032	77288208	-
Zfp385b	MmuEX0053283	chr2	77250197	77252011	77252112	77252630	-
Zfp385b	MmuEX0053284	chr2	77254032	77288208	77288370	77314792	-
Zfp385b	MmuEX0053285	chr2	77314902	77319384	77319422	77341597	-
Zfp386	MmuEX0053287	chr12	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zfp397	MmuEX0053289	chr18	24113524	24114840	24115354	24115556	+
Zfp397	MmuEX0053290	chr18	24115697	24116590	24116770	24118517	+
Zfp407	MmuEX0053296	chr18	84601826	84722262	84722376	84727719	-
Zfp407	MmuEX0053297	chr18	84524083	84601752	84601826	84722262	-
Zfp407	MmuEX0053298	chr18	84722376	84727719	84732438	84758830	-
Zfp407	MmuEX0053299	chr18	84485376	84523917	84524083	84601752	-
Zfp407	MmuEX0053300	chr18	84485376	84520292	84520375	84523917	-
Zfp407	MmuEX0053301	chr18	84485376	84512338	84512458	84520292	-
Zfp408	MmuEX0053302	chr2	91488003	91488173	91488234	91489308	-
Zfp410	MmuEX0053305	chr12	85666739	85666813	85666894	85668229	+
Zfp410	MmuEX0053306	chr12	85658159	85662762	85662941	85666521	+
Zfp410	MmuEX0053307	chr12	85658159	85663834	85663969	85666521	+
Zfp410	MmuEX0053308	chr12	85678691	85679592	85679732	85683945	+
Zfp410	MmuEX0053309	chr12	85679732	85680001	85680203	85681052	+
Zfp410	MmuEX0053310	chr12	85679732	85681052	85681179	85683945	+
Zfp410	MmuEX0053311	chr12	85668420	85670752	85670902	85678566	+
Zfp410	MmuEX0053312	chr12	85668420	85672585	85672766	85678566	+
Zfp410	MmuEX0053313	chr12	85668420	85673885	85673974	85678566	+
Zfp414	MmuEX0053314	chr17	33767024	33767312	33767419	33767521	+
Zfp414	MmuEX0053315	chr17	33766161	33766567	33766643	33766726	+
Zfp420	MmuEX0053322	chr7	30645112	30657911	30657952	30659198	+
Zfp426	MmuEX0053326	chr9	20280922	20282577	20282698	20290774	-
Zfp426	MmuEX0053327	chr9	20279477	20280840	20280922	20282577	-
Zfp426	MmuEX0053328	chr9	20290881	20295125	20295926	20296830	-
Zfp426	MmuEX0053329	chr9	20282723	20290774	20290869	20296830	-
Zfp426	MmuEX0053330	chr9	20277552	20279355	20279477	20280840	-
Zfp426	MmuEX0053331	chr9	20276225	20277472	20277552	20279351	-
Zfp428	MmuEX0053332	chr7	25292455	25295565	25295772	25300095	+
Zfp428	MmuEX0053333	chr7	25292455	25293788	25293996	25295565	+
Zfp429	MmuEX0053334	chr13	67492000	67495000	67495082	67496980	-
Zfp438	MmuEX0053335	chr18	5245451	5288859	5288936	5334344	-
Zfp438	MmuEX0053336	chr18	5214917	5217213	5217342	5245384	-

Zfp444	MmuEX0053337	chr7	6124176	6125584	6125703	6135392	+
Zfp444	MmuEX0053338	chr7	6125703	6131774	6131918	6135392	+
Zfp444	MmuEX0053339	chr7	6125703	6135464	6135804	6139736	+
Zfp444	MmuEX0053340	chr7	6135804	6139736	6139844	6141008	+
Zfp445	MmuEX0053341	chr9	1.23E+08	1.23E+08	1.23E+08	1.23E+08	-
Zfp446	MmuEX0053342	chr7	13563567	13564347	13564727	13564800	+
Zfp446	MmuEX0053343	chr7	13565328	13567195	13567276	13567468	+
Zfp446	MmuEX0053344	chr7	13564727	13564800	13564995	13565234	+
Zfp449	MmuEX0053345	chrX	53601905	53606640	53606844	53615644	+
Zfp451	MmuEX0053347	chr1	33862264	33870572	33870655	33871183	-
Zfp451	MmuEX0053348	chr1	33839039	33839404	33839526	33839886	-
Zfp451	MmuEX0053349	chr1	33862264	33867257	33867489	33870572	-
Zfp451	MmuEX0053350	chr1	33819054	33821359	33821414	33822689	-
Zfp451	MmuEX0053351	chr1	33843377	33856980	33860458	33862184	-
Zfp451	MmuEX0053352	chr1	33822754	33827614	33827744	33862184	-
Zfp451	MmuEX0053353	chr1	33822754	33826566	33826752	33827614	-
Zfp451	MmuEX0053354	chr1	33840809	33843252	33843377	33862184	-
Zfp451	MmuEX0053355	chr1	33840036	33840698	33840809	33862184	-
Zfp451	MmuEX0053356	chr1	33839039	33839886	33840036	33862184	-
Zfp451	MmuEX0053357	chr1	33829878	33838913	33839039	33862184	-
Zfp451	MmuEX0053358	chr1	33836036	33836741	33836894	33838913	-
Zfp451	MmuEX0053359	chr1	33829878	33835889	33836036	33862184	-
Zfp451	MmuEX0053360	chr1	33829878	33833114	33834708	33862184	-
Zfp451	MmuEX0053361	chr1	33827744	33829738	33829873	33833109	-
Zfp46	MmuEX0053367	chr4	1.36E+08	1.36E+08	1.36E+08	1.36E+08	+
Zfp462	MmuEX0053369	chr4	54957973	55020405	55020654	55021128	+
Zfp462	MmuEX0053371	chr4	55033079	55036287	55036478	55063058	+
Zfp467	MmuEX0053372	chr6	48392737	48393411	48393486	48395352	-
Zfp467	MmuEX0053373	chr6	48389453	48391775	48391830	48391946	-
Zfp467	MmuEX0053374	chr6	48392737	48392835	48392901	48393411	-
Zfp498	MmuEX0053379	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zfp498	MmuEX0053380	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zfp498	MmuEX0053381	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zfp507	MmuEX0053382	chr7	36580637	36584827	36584956	36586457	-
Zfp507	MmuEX0053383	chr7	36580637	36584193	36584635	36584827	-
Zfp507	MmuEX0053384	chr7	36580637	36586457	36586547	36587853	-
Zfp507	MmuEX0053385	chr7	36576781	36580315	36580637	36586457	-
Zfp507	MmuEX0053386	chr7	36561591	36572737	36572851	36576667	-
Zfp51	MmuEX0053387	chr17	21587385	21589401	21589491	21593261	+
Zfp51	MmuEX0053388	chr17	21589491	21593261	21593352	21598625	+
Zfp511	MmuEX0053389	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Zfp511	MmuEX0053390	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Zfp511	MmuEX0053391	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Zfp511	MmuEX0053392	chr7	1.47E+08	1.47E+08	1.47E+08	1.47E+08	+
Zfp512	MmuEX0053393	chr5	31775334	31775481	31775709	31775826	+
Zfp512	MmuEX0053394	chr5	31768006	31768605	31768709	31768965	+
Zfp512	MmuEX0053395	chr5	31754962	31755528	31755586	31767819	+

Zfp512	MmuEX0053396	chr5	31772829	31773370	31773521	31775143	+
Zfp512	MmuEX0053397	chr5	31775334	31775826	31775927	31778046	+
Zfp512	MmuEX0053398	chr5	31768006	31768965	31769048	31770527	+
Zfp512	MmuEX0053399	chr5	31769048	31769695	31769819	31770527	+
Zfp516	MmuEX0053400	chr18	83162581	83163862	83163929	83170665	+
Zfp516	MmuEX0053401	chr18	83126841	83156136	83157590	83162462	+
Zfp516	MmuEX0053402	chr18	83157590	83162462	83162581	83163862	+
Zfp518a	MmuEX0053403	chr19	40971655	40982549	40982693	40985523	+
Zfp518b	MmuEX0053406	chr5	39066092	39073724	39074021	39075918	-
Zfp52	MmuEX0053407	chr17	21675634	21691949	21692039	21694099	+
Zfp521	MmuEX0053409	chr18	14097650	14129873	14129913	14131010	-
Zfp521	MmuEX0053410	chr18	13975831	14002291	14005643	14097471	-
Zfp521	MmuEX0053411	chr18	13876256	13975747	13975828	14002291	-
Zfp521	MmuEX0053412	chr18	13847533	13876125	13876256	13975747	-
Zfp521	MmuEX0053413	chr18	13847533	13873650	13873765	13876125	-
Zfp523	MmuEX0053414	chr17	28326897	28331911	28331991	28332093	+
Zfp523	MmuEX0053415	chr17	28331991	28332093	28332170	28334719	+
Zfp523	MmuEX0053416	chr17	28332170	28334719	28334918	28337056	+
Zfp523	MmuEX0053417	chr17	28314470	28316502	28316638	28326742	+
Zfp523	MmuEX0053418	chr17	28338385	28339060	28339293	28339365	+
Zfp523	MmuEX0053419	chr17	28339293	28339380	28339543	28340031	+
Zfp523	MmuEX0053420	chr17	28339543	28340031	28340195	28341400	+
Zfp524	MmuEX0053421	chr7	4967162	4968548	4968646	4969039	+
Zfp524	MmuEX0053422	chr7	4967162	4967460	4967462	4969039	+
Zfp526	MmuEX0053424	chr7	26006523	26009134	26009226	26009320	+
Zfp53	MmuEX0053425	chr17	21628280	21637175	21637266	21641945	+
Zfp53	MmuEX0053426	chr17	21637266	21641945	21642071	21644951	+
Zfp53	MmuEX0053427	chr17	21616746	21628190	21628280	21637175	+
Zfp53	MmuEX0053428	chr17	21637266	21659556	21659639	21664904	+
Zfp532	MmuEX0053432	chr18	65765024	65782638	65784988	65811214	+
Zfp532	MmuEX0053433	chr18	65784988	65798404	65798585	65842549	+
Zfp532	MmuEX0053434	chr18	65798585	65803847	65804023	65842549	+
Zfp532	MmuEX0053435	chr18	65804023	65811214	65811376	65842549	+
Zfp532	MmuEX0053436	chr18	65811376	65816005	65816286	65842549	+
Zfp560	MmuEX0053450	chr9	20158693	20171651	20171830	20189461	-
Zfp560	MmuEX0053451	chr9	20157285	20158508	20158693	20189461	-
Zfp563	MmuEX0053454	chr17	33229537	33239176	33239302	33239488	+
Zfp566	MmuEX0053455	chr7	30866236	30872119	30872178	30875307	-
Zfp568	MmuEX0053457	chr7	30783229	30793533	30793604	30798859	+
Zfp568	MmuEX0053458	chr7	30783229	30798859	30798908	30800085	+
Zfp568	MmuEX0053459	chr7	30800208	30802186	30802281	30807237	+
Zfp568	MmuEX0053460	chr7	30769247	30770279	30770345	30772608	+
Zfp568	MmuEX0053461	chr7	30770345	30772608	30772825	30782769	+
Zfp568	MmuEX0053462	chr7	30770345	30774068	30774126	30782769	+
Zfp583	MmuEX0053471	chr7	6275347	6277055	6277181	6280857	-
Zfp592	MmuEX0053472	chr7	88170395	88174335	88174513	88182236	+
Zfp592	MmuEX0053473	chr7	88154425	88167150	88167317	88168157	+

Zfp598	MmuEX0053474	chr17	24814997	24815541	24815649	24815982	+
Zfp606	MmuEX0053477	chr7	13066375	13069386	13069529	13074919	+
Zfp606	MmuEX0053478	chr7	13064055	13065013	13065095	13065784	+
Zfp606	MmuEX0053479	chr7	13066375	13066467	13066530	13074919	+
Zfp608	MmuEX0053480	chr18	55059954	55106207	55106462	55147265	-
Zfp609	MmuEX0053481	chr9	65579008	65642429	65643302	65675273	-
Zfp609	MmuEX0053482	chr9	65545055	65545301	65545476	65548629	-
Zfp609	MmuEX0053483	chr9	65552425	65553898	65553985	65578783	-
Zfp61	MmuEX0053485	chr7	25081043	25082592	25082757	25083293	-
Zfp612	MmuEX0053486	chr8	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Zfp62	MmuEX0053498	chr11	49017044	49017498	49017670	49026197	+
Zfp62	MmuEX0053499	chr11	49017044	49017953	49017977	49026197	+
Zfp62	MmuEX0053500	chr11	49017044	49026197	49026278	49028566	+
Zfp62	MmuEX0053501	chr11	49017044	49027092	49027144	49028566	+
Zfp62	MmuEX0053502	chr11	49027148	49027725	49027820	49028566	+
Zfp62	MmuEX0053503	chr11	49027148	49028057	49028156	49028566	+
Zfp628	MmuEX0053504	chr7	4867007	4869012	4869118	4870378	+
Zfp637	MmuEX0053505	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Zfp637	MmuEX0053506	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	+
Zfp639	MmuEX0053507	chr3	32409511	32411962	32412114	32418454	+
Zfp639	MmuEX0053508	chr3	32412114	32413306	32413376	32415951	+
Zfp639	MmuEX0053509	chr3	32413376	32414206	32414274	32415951	+
Zfp639	MmuEX0053510	chr3	32409511	32415951	32416061	32418454	+
Zfp639	MmuEX0053511	chr3	32416061	32418032	32418166	32418454	+
Zfp641	MmuEX0053515	chr15	98121731	98123317	98123408	98124051	-
Zfp644	MmuEX0053518	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp644	MmuEX0053519	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp644	MmuEX0053520	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp644	MmuEX0053521	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp644	MmuEX0053522	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp644	MmuEX0053525	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp644	MmuEX0053526	chr5	1.07E+08	1.07E+08	1.07E+08	1.07E+08	-
Zfp651	MmuEX0053530	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Zfp651	MmuEX0053531	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Zfp651	MmuEX0053532	chr9	1.22E+08	1.22E+08	1.22E+08	1.22E+08	+
Zfp653	MmuEX0053533	chr9	21862146	21862248	21862859	21870145	-
Zfp653	MmuEX0053534	chr9	21860536	21860858	21860972	21861731	-
Zfp653	MmuEX0053535	chr9	21870360	21872592	21872635	21875493	-
Zfp655	MmuEX0053536	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zfp655	MmuEX0053537	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zfp655	MmuEX0053538	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zfp664	MmuEX0053543	chr5	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfp667	MmuEX0053545	chr7	6241039	6242138	6242264	6245451	+
Zfp672	MmuEX0053546	chr11	58133092	58136102	58136231	58136772	-
Zfp672	MmuEX0053547	chr11	58133092	58133369	58133456	58136071	-
Zfp68	MmuEX0053548	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	-
Zfp687	MmuEX0053549	chr3	94816398	94817755	94817850	94819033	-

Zfp688	MmuEX0053551	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Zfp688	MmuEX0053552	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Zfp689	MmuEX0053553	chr7	1.35E+08	1.35E+08	1.35E+08	1.35E+08	-
Zfp691	MmuEX0053555	chr4	1.19E+08	1.19E+08	1.19E+08	1.19E+08	-
Zfp692	MmuEX0053556	chr11	58120758	58121076	58121263	58121475	+
Zfp692	MmuEX0053557	chr11	58123674	58123758	58123835	58123920	+
Zfp692	MmuEX0053558	chr11	58123998	58124958	58125072	58127344	+
Zfp692	MmuEX0053559	chr11	58123835	58123920	58123998	58124958	+
Zfp692	MmuEX0053560	chr11	58125072	58127468	58127567	58127679	+
Zfp692	MmuEX0053561	chr11	58121263	58121475	58121506	58122297	+
Zfp692	MmuEX0053562	chr11	58121506	58122297	58122560	58122894	+
Zfp704	MmuEX0053566	chr3	9474602	9565064	9565299	9609270	-
Zfp704	MmuEX0053567	chr3	9447542	9447757	9447921	9452264	-
Zfp704	MmuEX0053568	chr3	9439882	9444159	9444342	9445960	-
Zfp704	MmuEX0053569	chr3	9439882	9443824	9443906	9445960	-
Zfp704	MmuEX0053570	chr3	9471118	9474499	9474602	9565064	-
Zfp704	MmuEX0053571	chr3	9452364	9470892	9471118	9474499	-
Zfp707	MmuEX0053573	chr15	75799834	75803553	75803638	75803972	+
Zfp708	MmuEX0053574	chr13	67172464	67175022	67175117	67175769	-
Zfp710	MmuEX0053575	chr7	87231028	87231320	87231494	87235221	+
Zfp710	MmuEX0053576	chr7	87231494	87233421	87233518	87235221	+
Zfp715	MmuEX0053580	chr7	50555546	50556540	50556635	50556981	-
Zfp715	MmuEX0053581	chr7	50557107	50563837	50563938	50566401	-
Zfp719	MmuEX0053582	chr7	50839666	50840297	50840410	50841724	+
Zfp719	MmuEX0053583	chr7	50839666	50841191	50841288	50841724	+
Zfp719	MmuEX0053584	chr7	50840410	50841724	50841850	50842099	+
Zfp719	MmuEX0053585	chr7	50835179	50839438	50839666	50841724	+
Zfp738	MmuEX0053589	chr13	67772548	67773935	67774030	67774499	-
Zfp74	MmuEX0053590	chr7	30721062	30722619	30722714	30722961	-
Zfp74	MmuEX0053591	chr7	30717493	30720958	30721062	30722619	-
Zfp74	MmuEX0053592	chr7	30723087	30728510	30728559	30738874	-
Zfp740	MmuEX0053593	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Zfp740	MmuEX0053594	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Zfp740	MmuEX0053595	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Zfp740	MmuEX0053596	chr15	1.02E+08	1.02E+08	1.02E+08	1.02E+08	+
Zfp746	MmuEX0053597	chr6	48017359	48032153	48032266	48033092	-
Zfp746	MmuEX0053598	chr6	48014951	48016428	48016553	48017168	-
Zfp758	MmuEX0053600	chr17	22498674	22503980	22504070	22508958	+
Zfp758	MmuEX0053601	chr17	22498674	22509003	22509055	22510610	+
Zfp770	MmuEX0053604	chr2	1.14E+08	1.14E+08	1.14E+08	1.14E+08	-
Zfp771	MmuEX0053605	chr7	1.34E+08	1.34E+08	1.34E+08	1.34E+08	+
Zfp788	MmuEX0053615	chr7	48898802	48900658	48901175	48902853	+
Zfp788	MmuEX0053616	chr7	48889064	48890050	48890080	48902853	+
Zfp788	MmuEX0053617	chr7	48889064	48898703	48898802	48902853	+
Zfp790	MmuEX0053618	chr7	30601308	30608089	30608163	30609849	+
Zfp800	MmuEX0053620	chr6	28197284	28206431	28206526	28210718	-
Zfp800	MmuEX0053621	chr6	28194663	28197141	28197284	28206431	-

Zfp809	MmuEX0053624	chr9	22030276	22039464	22039590	22042119	+
Zfp809	MmuEX0053625	chr9	22039590	22040646	22040738	22042119	+
Zfp809	MmuEX0053626	chr9	22040738	22042119	22042228	22042952	+
Zfp81	MmuEX0053627	chr17	33473793	33475046	33475196	33495679	-
Zfp81	MmuEX0053628	chr17	33473454	33473667	33473793	33495679	-
Zfp810	MmuEX0053629	chr9	22087704	22088461	22088587	22094983	-
Zfp810	MmuEX0053630	chr9	22085003	22086461	22086591	22087612	-
Zfp810	MmuEX0053631	chr9	22083724	22084897	22085003	22087612	-
Zfp82	MmuEX0053636	chr7	30847337	30851260	30851386	30853084	-
Zfp820	MmuEX0053640	chr17	21958163	21960811	21960858	21982611	-
Zfp821	MmuEX0053641	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp821	MmuEX0053642	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp821	MmuEX0053643	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp821	MmuEX0053644	chr8	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp827	MmuEX0053646	chr8	81702978	81703944	81704110	81709497	+
Zfp827	MmuEX0053648	chr8	81594442	81599957	81600437	81615732	+
Zfp827	MmuEX0053649	chr8	81600437	81615732	81615965	81642074	+
Zfp827	MmuEX0053651	chr8	81642313	81644382	81644439	81660459	+
Zfp839	MmuEX0053653	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp839	MmuEX0053654	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp839	MmuEX0053655	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp839	MmuEX0053656	chr12	1.12E+08	1.12E+08	1.12E+08	1.12E+08	+
Zfp846	MmuEX0053657	chr9	20393079	20393901	20394002	20395257	+
Zfp846	MmuEX0053658	chr9	20395328	20395783	20395865	20397605	+
Zfp85-rs1	MmuEX0053659	chr13	67850659	67852547	67852642	67853325	-
Zfp850	MmuEX0053660	chr7	28793455	28797355	28797469	28799035	-
Zfp865	MmuEX0053661	chr7	4972257	4980221	4980252	4980593	+
Zfp865	MmuEX0053662	chr7	4972257	4980593	4981739	4984365	+
Zfp866	MmuEX0053665	chr8	72267509	72268091	72268151	72268360	-
Zfp866	MmuEX0053667	chr8	72290676	72291532	72291592	72293020	-
Zfp866	MmuEX0053668	chr8	72268486	72290541	72290676	72291532	-
Zfp867	MmuEX0053669	chr11	59278574	59278953	59279079	59285843	-
Zfp867	MmuEX0053670	chr11	59277788	59278514	59278574	59278953	-
Zfp868	MmuEX0053671	chr8	72136354	72137293	72137353	72137647	-
Zfp869	MmuEX0053672	chr8	72231593	72232010	72232070	72232238	-
Zfp869	MmuEX0053673	chr8	72234883	72238201	72238308	72240667	-
Zfp869	MmuEX0053674	chr8	72234883	72237176	72237264	72240667	-
Zfp870	MmuEX0053676	chr17	33021110	33022648	33022708	33022902	-
Zfp871	MmuEX0053677	chr17	32914472	32924228	32924361	32925083	-
Zfp871	MmuEX0053678	chr17	32914162	32914346	32914472	32925083	-
Zfp874a	MmuEX0053680	chr13	67543873	67544157	67544270	67548300	-
Zfp874b	MmuEX0053682	chr13	67575887	67582655	67582781	67585077	-
Zfp874b	MmuEX0053683	chr13	67575887	67582106	67582198	67585077	-
Zfp9	MmuEX0053685	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Zfp9	MmuEX0053686	chr6	1.18E+08	1.18E+08	1.18E+08	1.18E+08	-
Zfp90	MmuEX0053687	chr8	1.09E+08	1.09E+08	1.09E+08	1.09E+08	+
Zfp91	MmuEX0053688	chr19	12845592	12849310	12849424	12850485	-

Zfp91	MmuEX0053689	chr19	12853589	12860020	12860211	12864750	-
Zfp930	MmuEX0053690	chr8	71750368	71750571	71750628	71751742	+
Zfp932	MmuEX0053691	chr5	1.1E+08	1.1E+08	1.1E+08	1.1E+08	+
Zfp933	MmuEX0053692	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Zfp933	MmuEX0053693	chr4	1.47E+08	1.47E+08	1.47E+08	1.47E+08	-
Zfp938	MmuEX0053694	chr10	81690670	81699352	81699531	81703916	-
Zfp939	MmuEX0053695	chr7	46705023	46715186	46715312	46722712	+
Zfp939	MmuEX0053696	chr7	46715312	46722712	46722804	46726767	+
Zfp939	MmuEX0053697	chr7	46722804	46726805	46726876	46728228	+
Zfp94	MmuEX0053698	chr7	25097514	25099369	25099430	25101538	-
Zfp94	MmuEX0053699	chr7	25094216	25097401	25097514	25099369	-
Zfp94	MmuEX0053700	chr7	25094216	25096484	25096522	25097401	-
Zfp942	MmuEX0053704	chr17	22070080	22078693	22078817	22090855	-
Zfp942	MmuEX0053705	chr17	22067459	22069960	22070041	22078693	-
Zfp943	MmuEX0053706	chr17	22099786	22124998	22125068	22127746	+
Zfp944	MmuEX0053707	chr17	22478060	22480607	22480660	22495790	-
Zfp944	MmuEX0053708	chr17	22480660	22492048	22492101	22495790	-
Zfp944	MmuEX0053709	chr17	22495955	22496407	22496491	22498135	-
Zfp945	MmuEX0053710	chr17	22998819	22998905	22998947	23002214	-
Zfp945	MmuEX0053711	chr17	22989733	22990510	22990634	22994217	-
Zfp945	MmuEX0053712	chr17	22998528	22998699	22998819	23002214	-
Zfp945	MmuEX0053713	chr17	22994343	22998473	22998528	23002214	-
Zfp946	MmuEX0053716	chr17	22583860	22588064	22588119	22590419	+
Zfp946	MmuEX0053717	chr17	22561396	22565448	22565532	22581135	+
Zfp946	MmuEX0053718	chr17	22565532	22581135	22581258	22583764	+
Zfp946	MmuEX0053719	chr17	22581258	22583764	22583860	22588046	+
Zfp946	MmuEX0053720	chr17	22588119	22588671	22588736	22590419	+
Zfp948	MmuEX0053721	chr17	21710920	21714261	21714421	21719997	+
Zfp948	MmuEX0053722	chr17	21710920	21719997	21720109	21721747	+
Zfp948	MmuEX0053723	chr17	21704209	21706031	21706091	21710821	+
Zfp949	MmuEX0053724	chr9	88443346	88447554	88447674	88449214	+
Zfp949	MmuEX0053725	chr9	88443346	88449214	88449382	88461997	+
Zfp950	MmuEX0053726	chr19	61193191	61193518	61193630	61194130	-
Zfp951	MmuEX0053727	chr5	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Zfp951	MmuEX0053728	chr5	1.05E+08	1.05E+08	1.05E+08	1.05E+08	-
Zfp952	MmuEX0053729	chr17	33130203	33133220	33133361	33138569	+
Zfp952	MmuEX0053730	chr17	33130203	33131500	33131648	33138569	+
Zfp952	MmuEX0053731	chr17	33130203	33138569	33138695	33139703	+
Zfp952	MmuEX0053732	chr17	33130203	33138903	33138963	33139703	+
Zfp952	MmuEX0053733	chr17	33138963	33139468	33139577	33139703	+
Zfp954	MmuEX0053734	chr7	7070623	7071743	7071912	7072083	-
Zfp954	MmuEX0053735	chr7	7068911	7069324	7069422	7070497	-
Zfp954	MmuEX0053736	chr7	7069422	7070497	7070623	7072083	-
Zfp956	MmuEX0053739	chr6	47906169	47907475	47907601	47912524	+
Zfp961	MmuEX0053740	chr8	74489819	74489999	74490059	74491798	+
Zfp961	MmuEX0053741	chr8	74475059	74489693	74489815	74489999	+
Zfp1	MmuEX0053743	chr19	6081214	6081847	6081964	6082181	-

Zfpl1	MmuEX0053744	chr19	6082471	6082585	6082778	6083949	-
Zfpl1	MmuEX0053745	chr19	6081964	6082181	6082327	6082399	-
Zfpm1	MmuEX0053746	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfpm1	MmuEX0053747	chr8	1.25E+08	1.25E+08	1.25E+08	1.25E+08	+
Zfpm2	MmuEX0053748	chr15	40487129	40584442	40584600	40605591	+
Zfpm2	MmuEX0053749	chr15	40605692	40702074	40702192	40786239	+
Zfpm2	MmuEX0053750	chr15	40702192	40786239	40786350	40927605	+
Zfr	MmuEX0053751	chr15	12082752	12084201	12084320	12086018	+
Zfr	MmuEX0053752	chr15	12086163	12089354	12089516	12090240	+
Zfr	MmuEX0053753	chr15	12048093	12057067	12057185	12065022	+
Zfr	MmuEX0053754	chr15	12048093	12066151	12066433	12067660	+
Zfr	MmuEX0053755	chr15	12066433	12067660	12067804	12070189	+
Zfr	MmuEX0053756	chr15	12096041	12100571	12100668	12101514	+
Zfr	MmuEX0053757	chr15	12047702	12047994	12048093	12066151	+
Zfr	MmuEX0053758	chr15	12048093	12065022	12065045	12066151	+
Zfr	MmuEX0053759	chr15	12070407	12075904	12076151	12082556	+
Zfr	MmuEX0053760	chr15	12076151	12079283	12079474	12079928	+
Zfr	MmuEX0053761	chr15	12070407	12079928	12080219	12082556	+
Zfyve1	MmuEX0053774	chr12	84916086	84935348	84936272	84937947	-
Zfyve1	MmuEX0053775	chr12	84896659	84899564	84899670	84909799	-
Zfyve1	MmuEX0053776	chr12	84891884	84892416	84892596	84893326	-
Zfyve1	MmuEX0053777	chr12	84899670	84909799	84910013	84915582	-
Zfyve1	MmuEX0053778	chr12	84889065	84891771	84891884	84892416	-
Zfyve1	MmuEX0053779	chr12	84893496	84895893	84896010	84896551	-
Zfyve16	MmuEX0053781	chr13	93274041	93274431	93274535	93275615	-
Zfyve16	MmuEX0053782	chr13	93262625	93263813	93263918	93264890	-
Zfyve16	MmuEX0053784	chr13	93283884	93286486	93286647	93289422	-
Zfyve19	MmuEX0053785	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Zfyve19	MmuEX0053786	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Zfyve19	MmuEX0053787	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Zfyve19	MmuEX0053788	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Zfyve19	MmuEX0053789	chr2	1.19E+08	1.19E+08	1.19E+08	1.19E+08	+
Zfyve20	MmuEX0053790	chr6	92157179	92161582	92161895	92164705	-
Zfyve20	MmuEX0053791	chr6	92141347	92143123	92143225	92143938	-
Zfyve21	MmuEX0053792	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Zfyve21	MmuEX0053793	chr12	1.13E+08	1.13E+08	1.13E+08	1.13E+08	+
Zfyve26	MmuEX0053794	chr12	80391950	80394813	80394891	80396464	-
Zfyve26	MmuEX0053797	chr12	80350670	80377230	80377431	80379395	-
Zfyve26	MmuEX0053798	chr12	80350670	80375839	80375908	80377230	-
Zfyve26	MmuEX0053799	chr12	80350670	80374544	80374663	80375839	-
Zfyve26	MmuEX0053800	chr12	80350670	80374280	80374444	80374544	-
Zfyve26	MmuEX0053801	chr12	80350670	80373054	80373272	80374280	-
Zfyve26	MmuEX0053802	chr12	80350670	80371825	80371927	80373054	-
Zfyve26	MmuEX0053803	chr12	80367541	80369346	80370088	80371825	-
Zfyve26	MmuEX0053804	chr12	80350670	80367345	80367541	80369346	-
Zfyve26	MmuEX0053805	chr12	80361886	80362565	80362811	80364760	-
Zfyve26	MmuEX0053806	chr12	80350670	80361788	80361886	80362565	-

Zfyve26	MmuEX0053807	chr12	80356353	80358402	80358565	80361788	-
Zfyve26	MmuEX0053808	chr12	80350670	80356217	80356353	80358402	-
Zfyve26	MmuEX0053809	chr12	80350670	80353136	80353167	80356217	-
Zfyve26	MmuEX0053810	chr12	80350670	80352141	80352277	80353136	-
Zfyve26	MmuEX0053811	chr12	80338342	80350450	80350670	80352141	-
Zfyve26	MmuEX0053813	chr12	80338342	80347458	80347605	80350450	-
Zfyve26	MmuEX0053814	chr12	80338342	80341883	80342080	80345259	-
Zfyve26	MmuEX0053815	chr12	80338342	80339891	80340032	80340844	-
Zfyve26	MmuEX0053816	chr12	80338342	80339309	80339368	80339891	-
Zfyve26	MmuEX0053817	chr12	80337645	80338160	80338342	80339309	-
Zfyve26	MmuEX0053819	chr12	80385186	80386246	80386334	80386469	-
Zfyve26	MmuEX0053820	chr12	80350670	80381344	80381952	80383789	-
Zfyve27	MmuEX0053822	chr19	42246233	42251879	42251949	42253779	+
Zfyve27	MmuEX0053823	chr19	42258679	42260110	42260130	42260295	+
Zfyve27	MmuEX0053824	chr19	42260439	42263687	42263733	42264012	+
Zfyve28	MmuEX0053826	chr5	34576043	34576934	34577136	34578652	-
Zfyve9	MmuEX0053831	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zfyve9	MmuEX0053832	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zfyve9	MmuEX0053833	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zfyve9	MmuEX0053834	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zfyve9	MmuEX0053835	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zgpat	MmuEX0053839	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Zgpat	MmuEX0053840	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	+
Zhx1	MmuEX0053841	chr15	57895735	57900874	57900984	57907712	-
Zhx1	MmuEX0053842	chr15	57886637	57895610	57895735	57900874	-
Zhx1	MmuEX0053843	chr15	57880340	57883161	57883208	57883779	-
Zhx2	MmuEX0053844	chr15	57594274	57652587	57655306	57670146	+
Zhx3	MmuEX0053845	chr2	1.61E+08	1.61E+08	1.61E+08	1.61E+08	-
Zkscan1	MmuEX0053853	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zkscan1	MmuEX0053854	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zkscan1	MmuEX0053855	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zkscan1	MmuEX0053856	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zkscan14	MmuEX0053857	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	-
Zkscan17	MmuEX0053860	chr11	59307349	59311391	59311485	59312163	-
Zkscan17	MmuEX0053861	chr11	59301319	59305617	59305730	59306673	-
Zkscan17	MmuEX0053862	chr11	59307349	59312163	59312428	59313046	-
Zkscan17	MmuEX0053863	chr11	59306783	59307217	59307349	59313046	-
Zkscan17	MmuEX0053864	chr11	59305730	59306673	59306783	59307217	-
Zkscan17	MmuEX0053865	chr11	59317756	59319330	59319464	59319666	-
Zkscan17	MmuEX0053866	chr11	59317756	59318672	59318820	59319330	-
Zkscan17	MmuEX0053867	chr11	59317312	59317650	59317756	59319330	-
Zkscan17	MmuEX0053868	chr11	59316602	59317179	59317265	59317650	-
Zkscan3	MmuEX0053873	chr13	21486775	21487969	21488443	21494541	-
Zkscan3	MmuEX0053874	chr13	21485443	21485526	21485660	21485831	-
Zkscan3	MmuEX0053875	chr13	21480575	21485304	21485443	21485831	-
Zkscan3	MmuEX0053876	chr13	21485954	21486386	21486450	21486628	-
Zkscan5	MmuEX0053877	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+

Zkscan5	MmuEX0053878	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zkscan5	MmuEX0053879	chr5	1.46E+08	1.46E+08	1.46E+08	1.46E+08	+
Zkscan6	MmuEX0053880	chr11	65620763	65621467	65621566	65627867	+
Zkscan6	MmuEX0053881	chr11	65629627	65629991	65630082	65636327	+
Zkscan6	MmuEX0053882	chr11	65629627	65635432	65635516	65636327	+
Zkscan6	MmuEX0053883	chr11	65635516	65636330	65636440	65641544	+
Zmat1	MmuEX0053884	chrX	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Zmat1	MmuEX0053885	chrX	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Zmat1	MmuEX0053887	chrX	1.32E+08	1.32E+08	1.32E+08	1.32E+08	-
Zmat3	MmuEX0053888	chr3	32244502	32259812	32260138	32264426	-
Zmat3	MmuEX0053889	chr3	32242356	32242474	32242640	32244380	-
Zmat5	MmuEX0053893	chr11	4604724	4622361	4622492	4628588	+
Zmiz1	MmuEX0053894	chr14	26279042	26322141	26322245	26356231	+
Zmiz1	MmuEX0053895	chr14	26322245	26356231	26356310	26391506	+
Zmiz1	MmuEX0053896	chr14	26395730	26401054	26401159	26455359	+
Zmiz1	MmuEX0053897	chr14	26356310	26391506	26391614	26395617	+
Zmiz1	MmuEX0053898	chr14	26474090	26474583	26474743	26475509	+
Zmiz1	MmuEX0053899	chr14	26477759	26480753	26481007	26482426	+
Zmiz1	MmuEX0053900	chr14	26356310	26365250	26365395	26391506	+
Zmiz2	MmuEX0053901	chr11	6303367	6303789	6303958	6304043	+
Zmiz2	MmuEX0053902	chr11	6295291	6295571	6295681	6295761	+
Zmiz2	MmuEX0053903	chr11	6295875	6295963	6296128	6296235	+
Zmiz2	MmuEX0053904	chr11	6297689	6298265	6298342	6298559	+
Zmiz2	MmuEX0053905	chr11	6301258	6302410	6302477	6302807	+
Zmpste24	MmuEX0053907	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Zmpste24	MmuEX0053908	chr4	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Zmym1	MmuEX0053909	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym1	MmuEX0053910	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym1	MmuEX0053911	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym1	MmuEX0053912	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym1	MmuEX0053913	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym1	MmuEX0053914	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym2	MmuEX0053915	chr14	57544794	57547024	57547174	57550926	+
Zmym2	MmuEX0053916	chr14	57560964	57562090	57562205	57562903	+
Zmym2	MmuEX0053917	chr14	57506694	57508252	57508391	57521533	+
Zmym2	MmuEX0053918	chr14	57506694	57521533	57522389	57529915	+
Zmym2	MmuEX0053919	chr14	57575940	57577019	57577139	57578552	+
Zmym2	MmuEX0053920	chr14	57533005	57538108	57538179	57539424	+
Zmym2	MmuEX0053921	chr14	57505535	57506632	57506694	57521533	+
Zmym2	MmuEX0053922	chr14	57556512	57557242	57557276	57560835	+
Zmym2	MmuEX0053923	chr14	57575940	57576030	57576138	57577019	+
Zmym2	MmuEX0053924	chr14	57563074	57563523	57563596	57565328	+
Zmym2	MmuEX0053925	chr14	57563074	57565328	57565453	57566784	+
Zmym3	MmuEX0053926	chrX	98607045	98607184	98607296	98607477	-
Zmym3	MmuEX0053927	chrX	98612669	98613612	98614291	98615037	-
Zmym3	MmuEX0053928	chrX	98601358	98602544	98602798	98603816	-
Zmym3	MmuEX0053929	chrX	98605119	98605396	98605499	98606552	-

Zmym3	MmuEX0053930	chrX	98609600	98609761	98609876	98610087	-
Zmym3	MmuEX0053931	chrX	98611277	98611506	98611800	98612248	-
Zmym4	MmuEX0053933	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053934	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053935	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053936	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053937	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053938	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053939	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053940	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053941	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053944	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053945	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym4	MmuEX0053946	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	-
Zmym5	MmuEX0053947	chr14	57429433	57429577	57429696	57430429	-
Zmym5	MmuEX0053948	chr14	57428320	57429378	57429433	57429577	-
Zmym5	MmuEX0053949	chr14	57423700	57424757	57424818	57428241	-
Zmym6	MmuEX0053950	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053951	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053952	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053953	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053954	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053955	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053956	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmym6	MmuEX0053957	chr4	1.27E+08	1.27E+08	1.27E+08	1.27E+08	+
Zmynd11	MmuEX0053966	chr13	9695072	9696890	9696982	9697874	-
Zmynd11	MmuEX0053967	chr13	9693592	9694375	9694430	9694985	-
Zmynd11	MmuEX0053968	chr13	9720178	9734578	9734712	9763974	-
Zmynd11	MmuEX0053969	chr13	9697951	9712229	9712273	9720019	-
Zmynd11	MmuEX0053970	chr13	9697951	9709392	9709553	9720019	-
Zmynd15	MmuEX0053976	chr11	70278435	70278609	70278667	70278841	+
Zmynd15	MmuEX0053979	chr11	70277498	70277651	70277767	70277858	+
Zmynd15	MmuEX0053980	chr11	70277946	70278035	70278133	70278282	+
Zmynd15	MmuEX0053981	chr11	70278667	70278841	70279001	70279417	+
Zmynd8	MmuEX0053985	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053986	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053987	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053988	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053989	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053990	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053991	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053992	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053993	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053994	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053995	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Zmynd8	MmuEX0053996	chr2	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-
Znf512b	MmuEX0053997	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-

Znf512b	MmuEX0053998	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Znf512b	MmuEX0053999	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Znf512b	MmuEX0054000	chr2	1.81E+08	1.81E+08	1.81E+08	1.81E+08	-
Znfx1	MmuEX0054001	chr2	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-
Znhit1	MmuEX0054002	chr5	1.37E+08	1.37E+08	1.37E+08	1.37E+08	-
Znhit6	MmuEX0054003	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Znhit6	MmuEX0054004	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Znhit6	MmuEX0054005	chr3	1.45E+08	1.45E+08	1.45E+08	1.45E+08	+
Znrf1	MmuEX0054006	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Znrf1	MmuEX0054007	chr8	1.14E+08	1.14E+08	1.14E+08	1.14E+08	+
Znrf2	MmuEX0054008	chr6	54813989	54822435	54822508	54828343	+
Znrf2	MmuEX0054009	chr6	54767466	54792669	54792693	54813894	+
Znrf3	MmuEX0054010	chr11	5189740	5238641	5238766	5344391	-
Znrf3	MmuEX0054011	chr11	5217702	5219325	5219383	5238641	-
Znrf3	MmuEX0054012	chr11	5189740	5217636	5217702	5219325	-
Zpbp	MmuEX0054018	chr11	11315340	11318165	11318290	11359702	-
Zranb1	MmuEX0054023	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Zranb1	MmuEX0054024	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Zranb1	MmuEX0054025	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Zranb1	MmuEX0054026	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Zranb1	MmuEX0054027	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Zranb1	MmuEX0054028	chr7	1.4E+08	1.4E+08	1.4E+08	1.4E+08	+
Zranb2	MmuEX0054029	chr3	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Zranb2	MmuEX0054030	chr3	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Zranb2	MmuEX0054031	chr3	1.57E+08	1.57E+08	1.57E+08	1.57E+08	+
Zranb3	MmuEX0054032	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054034	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054035	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054036	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054038	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054039	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054040	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054041	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054042	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zranb3	MmuEX0054043	chr1	1.3E+08	1.3E+08	1.3E+08	1.3E+08	-
Zrsr2	MmuEX0054044	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	-
Zrsr2	MmuEX0054045	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	-
Zrsr2	MmuEX0054046	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	-
Zrsr2	MmuEX0054047	chrX	1.6E+08	1.6E+08	1.6E+08	1.6E+08	-
Zscan12	MmuEX0054050	chr13	21455920	21458484	21458625	21460421	+
Zscan12	MmuEX0054051	chr13	21455044	21455208	21455233	21455449	+
Zscan20	MmuEX0054053	chr4	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Zscan20	MmuEX0054055	chr4	1.28E+08	1.28E+08	1.28E+08	1.28E+08	-
Zscan21	MmuEX0054056	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zscan21	MmuEX0054057	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zscan21	MmuEX0054058	chr5	1.39E+08	1.39E+08	1.39E+08	1.39E+08	+
Zscan22	MmuEX0054059	chr7	13483329	13488950	13489434	13491583	+

Zscan29	MmuEX0054060	chr2	1.21E+08	1.21E+08	1.21E+08	1.21E+08	-
Zscan30	MmuEX0054061	chr18	24124334	24129428	24129602	24129883	-
Zswim4	MmuEX0054065	chr8	86754996	86758802	86759003	86760766	-
Zswim4	MmuEX0054066	chr8	86750065	86750571	86750738	86752691	-
Zswim4	MmuEX0054067	chr8	86738003	86741144	86741307	86743725	-
Zswim4	MmuEX0054068	chr8	86752841	86752922	86753070	86754640	-
Zswim5	MmuEX0054070	chr4	1.17E+08	1.17E+08	1.17E+08	1.17E+08	+
Zswim6	MmuEX0054072	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Zswim6	MmuEX0054073	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Zswim6	MmuEX0054074	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Zswim6	MmuEX0054075	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Zswim6	MmuEX0054076	chr13	1.09E+08	1.09E+08	1.09E+08	1.09E+08	-
Zswim7	MmuEX0054077	chr11	62087316	62090120	62090141	62094759	-
Zswim7	MmuEX0054078	chr11	62082310	62087214	62087316	62094759	-
Zswim7	MmuEX0054079	chr11	62081108	62082206	62082310	62087214	-
Zufsp	MmuEX0054080	chr10	33669670	33670289	33670423	33670937	-
Zufsp	MmuEX0054081	chr10	33669304	33669554	33669670	33670937	-
Zufsp	MmuEX0054082	chr10	33647969	33649627	33649792	33649962	-
Zufsp	MmuEX0054083	chr10	33663566	33667742	33667851	33668735	-
Zufsp	MmuEX0054084	chr10	33650150	33654895	33655063	33659964	-
Zw10	MmuEX0054085	chr9	48874947	48876765	48876947	48877679	+
Zw10	MmuEX0054086	chr9	48879758	48881308	48881477	48882124	+
Zw10	MmuEX0054087	chr9	48882254	48883010	48883141	48885557	+
Zxdc	MmuEX0054098	chr6	90348925	90349066	90349119	90350776	+
Zxdc	MmuEX0054099	chr6	90322688	90322781	90322859	90323705	+
Zxdc	MmuEX0054100	chr6	90332514	90334162	90334246	90348756	+
Zxdc	MmuEX0054101	chr6	90323835	90328778	90328948	90331826	+
Zxdc	MmuEX0054102	chr6	90334246	90348756	90348925	90350776	+
Zyg11b	MmuEX0054106	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zyg11b	MmuEX0054107	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zyg11b	MmuEX0054108	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zyg11b	MmuEX0054109	chr4	1.08E+08	1.08E+08	1.08E+08	1.08E+08	-
Zyx	MmuEX0054110	chr6	42300475	42300945	42301147	42301474	+
Zyx	MmuEX0054111	chr6	42301147	42301269	42301361	42301474	+
Zzef1	MmuEX0054112	chr11	72656849	72657841	72657989	72662144	+
Zzef1	MmuEX0054113	chr11	72666830	72668885	72669018	72671833	+
Zzef1	MmuEX0054114	chr11	72681572	72682681	72682789	72683189	+
Zzef1	MmuEX0054115	chr11	72631577	72635257	72635451	72636882	+
Zzef1	MmuEX0054116	chr11	72694879	72697844	72697973	72700136	+
Zzef1	MmuEX0054117	chr11	72637053	72637577	72637776	72639554	+
Zzef1	MmuEX0054118	chr11	72637776	72639554	72639764	72644080	+
Zzef1	MmuEX0054119	chr11	72731371	72735832	72735985	72736612	+
Zzef1	MmuEX0054120	chr11	72735985	72736612	72736683	72738139	+
Zzef1	MmuEX0054121	chr11	72657989	72662144	72662255	72664061	+
Zzef1	MmuEX0054122	chr11	72664273	72665336	72665436	72666661	+
Zzef1	MmuEX0054123	chr11	72679655	72680106	72680307	72681424	+
Zzef1	MmuEX0054124	chr11	72723823	72724664	72724764	72726325	+

Zzef1	MmuEX0054125	chr11	72724764	72726325	72726460	72730671	+
Zzef1	MmuEX0054126	chr11	72726460	72726553	72726810	72730671	+
Zzef1	MmuEX0054127	chr11	72726912	72728719	72728817	72729921	+
Zzef1	MmuEX0054128	chr11	72728862	72729975	72730089	72730671	+
Zzef1	MmuEX0054129	chr11	72704727	72706764	72706914	72713006	+
Zzef1	MmuEX0054130	chr11	72706914	72708648	72708787	72713006	+
Zzef1	MmuEX0054131	chr11	72708787	72713006	72713196	72714134	+
Zzef1	MmuEX0054132	chr11	72713283	72714134	72714308	72730671	+
Zzef1	MmuEX0054133	chr11	72714308	72714829	72714961	72730671	+
Zzef1	MmuEX0054134	chr11	72714961	72720334	72720533	72721896	+
Zzef1	MmuEX0054135	chr11	72720533	72721896	72722015	72730671	+
Zzef1	MmuEX0054136	chr11	72722015	72723632	72723823	72724664	+
Zzz3	MmuEX0054137	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Zzz3	MmuEX0054138	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
Zzz3	MmuEX0054139	chr3	1.52E+08	1.52E+08	1.52E+08	1.52E+08	+
l7Rn6	MmuEX0054140	chr7	97072225	97088490	97088553	97089479	-
l7Rn6	MmuEX0054141	chr7	97072225	97084237	97084474	97089479	-
l7Rn6	MmuEX0054142	chr7	97072225	97078830	97078970	97084237	-
l7Rn6	MmuEX0054143	chr7	97068701	97072074	97072225	97084237	-
rp9	MmuEX0054144	chr9	22261946	22263155	22263185	22272518	-
rp9	MmuEX0054145	chr9	22254307	22256553	22256780	22258223	-

Control_PSI	SRSF3_KO_PSI	max(x)@P(deltaP si > x)>0.95	SRSF3_UE _dw	SRSF3_UI _up	SRSF3_UI _dw	SRSF3_AE _up	SRSF3AE_ dw
0.998635	0.998196	0	3	0	0	0	0
0.998729	0.999362	0	0	0	0	0	0
0.997762	0.960968	0.02	0	0	0	3	3
0.994122	0.992128	0	0	0	0	0	0
0.049042	0.011799	0	0	0	0	0	0
0.005031	0.004269	0	0	0	0	0	0
0.996298	0.989638	0	0	0	0	0	0
0.035624	0.06544	0	0	0	0	0	0
0.977947	0.983591	0	0	0	0	0	0
0.984029	0.988404	0	0	0	0	0	0
0.889263	0.599414	0	0	0	0	0	0
0.893791	0.924003	0	0	0	0	0	0
0.981284	0.975635	0	0	0	0	0	0
0.988094	0.939245	0	0	0	0	0	0
0.986692	0.982644	0	0	0	0	0	0
0.056005	0.11903	0	0	0	0	0	0
0.035984	0.047535	0	0	0	0	0	0
0.926261	0.978206	0	0	0	0	0	0
0.965913	0.983395	0	0	0	0	0	0
0.983518	0.995029	0	0	0	0	0	0
0.975032	0.996138	0	0	0	0	0	0
0.996594	0.998023	0	0	0	0	0	0
0.003032	0.004111	0	0	0	0	0	0
0.999396	0.998898	0	0	0	0	0	0
0.002168	0.002632	0	0	0	0	0	0
0.998844	0.995307	0	0	0	0	0	0
0.999396	0.99884	0	0	0	0	0	0
0.068074	0.027439	0	0	0	0	0	0
0.96111	0.991855	0	0	0	0	0	0
0.957618	0.986616	0	0	0	0	0	0
0.981913	0.987513	0	0	0	0	0	0
0.975399	0.970852	0	0	0	0	0	0
0.979109	0.988348	0	0	0	0	0	0
0.976303	0.990719	0	0	0	0	0	0
0.962571	0.954265	0	0	0	0	0	0
0.992384	0.996519	0	0	0	0	0	0
0.434253	0.304448	0.06	0	0	0	0	0
0.627957	0.493993	0	0	0	0	0	0
0.007763	0.166915	0.13	0	0	0	0	0
0.003055	0.040455	0.02	0	0	0	0	0
0.955952	0.983936	0	0	0	0	0	0
0.021199	0.105202	0.01	0	0	0	0	0
0.996522	0.975472	0	0	0	0	0	0
0.981655	0.996933	0	0	0	0	0	0
0.994968	0.991796	0	0	0	0	0	0

0.056188	0.019916	0	0	0	0	0	0
0.043388	0.045014	0	0	0	0	0	0
0.005108	0.005944	0	0	0	0	0	0
0.008249	0.004583	0	0	0	0	0	0
0.007387	0.006431	0	0	0	0	0	0
0.986125	0.941391	0	0	0	0	0	0
0.44698	0.618475	0.07	0	0	0	0	0
0.43611	0.670883	0.12	0	0	0	0	0
0.093425	0.046661	0	0	0	0	0	0
0.002789	0.00119	0	0	0	0	0	0
0.036947	0.060248	0	0	0	0	0	0
0.997169	0.984273	0	0	0	0	0	0
0.990797	0.929262	0	0	0	0	0	0
0.993502	0.968248	0	0	0	0	0	0
0.004751	0.012412	0	0	0	0	0	0
0.990181	0.987522	0	0	0	0	0	0
0.00594	0.019845	0	0	0	0	0	0
0.997347	0.997872	0	0	0	0	0	0
0.996938	0.982969	0	0	0	0	0	0
0.004384	0.008604	0	0	0	0	0	0
0.99201	0.981723	0	0	0	0	0	0
0.296072	0.169929	0.05	0	0	0	0	0
0.088815	0.101753	0	0	0	0	0	0
0.984651	0.68894	0.23	0	0	0	0	0
0.488258	0.675683	0.07	0	0	0	0	0
0.005899	0.006258	0	0	0	0	0	0
0.001786	0.002884	0	0	0	0	0	0
0.992887	0.988699	0	0	0	0	0	0
0.997339	0.943063	0.05	0	0	0	0	0
0.710429	0.842747	0	0	0	0	0	0
0.218903	0.095346	0	0	0	0	0	0
0.023239	0.020519	0	0	0	0	0	0
0.97372	0.963256	0	0	0	0	0	0
0.289636	0.70223	0.06	0	0	0	0	0
0.994143	0.997647	0	0	0	0	0	0
0.968395	0.965398	0	0	0	0	0	0
0.993844	0.993457	0	0	0	0	0	0
0.994482	0.992827	0	0	0	0	0	0
0.013693	0.03127	0	0	0	0	0	0
0.997201	0.989887	0	0	0	0	0	0
0.996207	0.991283	0	0	0	0	0	0
0.992803	0.989521	0	0	0	0	0	0
0.99499	0.771857	0.14	0	0	0	0	0
0.995888	0.937771	0.01	0	0	0	0	0
0.015482	0.061775	0	0	0	0	0	0
0.994472	0.984211	0	0	0	0	0	0
0.997289	0.938969	0.02	0	0	0	0	0

0.934619	0.870788	0	0	0	0	0	0
0.77951	0.791302	0	0	0	0	0	0
0.974566	0.972148	0	0	0	0	0	0
0.058813	0.00864	0	0	0	0	0	0
0.996994	0.997573	0	0	0	0	0	0
0.005665	0.004021	0	0	0	0	0	0
0.996884	0.996336	0	0	0	0	0	0
0.995813	0.981131	0	0	0	0	0	0
0.979013	0.990846	0	0	0	0	0	0
0.600611	0.611933	0	0	0	0	0	0
0.015321	0.01515	0	0	0	0	0	0
0.991427	0.993518	0	0	0	0	0	0
0.968586	0.97451	0	0	0	0	0	0
0.0114	0.025081	0	0	0	0	0	0
0.993088	0.989366	0	0	0	0	0	0
0.034433	0.374188	0.16	0	0	0	0	0
0.992306	0.990734	0	0	0	0	0	0
0.195592	0.089633	0	0	0	0	0	0
0.967731	0.958852	0	0	0	0	0	0
0.203845	0.185036	0	0	0	0	0	0
0.903672	0.939667	0	0	0	0	0	0
0.996599	0.997029	0	0	0	0	0	0
0.992111	0.996224	0	0	0	0	0	0
0.006328	0.012244	0	0	0	0	0	0
0.995041	0.995363	0	0	0	0	0	0
0.975239	0.953418	0	0	0	0	0	0
0.950437	0.911062	0	0	0	0	0	0
0.165057	0.057963	0	0	0	0	0	0
0.997725	0.888101	0.05	0	0	0	0	0
0.942869	0.971564	0	0	0	0	0	0
0.978165	0.738028	0.01	0	0	0	0	0
0.991487	0.970436	0	0	0	0	0	0
0.979527	0.964444	0	0	0	0	0	0
0.989459	0.969896	0	0	0	0	0	0
0.919795	0.372788	0.39	0	0	0	0	0
0.994075	0.961403	0	0	0	0	0	0
0.988081	0.994711	0	0	0	0	0	0
0.014234	0.020304	0	0	0	0	0	0
0.034463	0.052123	0	0	0	0	0	0
0.062441	0.286035	0	0	0	0	0	0
0.990006	0.972128	0	0	0	0	1	1
0.020844	0.017769	0	0	0	0	0	0
0.990348	0.981294	0	0	0	0	0	0
0.98811	0.952615	0	0	0	0	0	0
0.860279	0.618831	0.02	0	0	0	0	0
0.977176	0.971185	0	0	0	0	0	0
0.996829	0.994287	0	0	0	0	0	0

0.981903	0.958472	0	0	0	0	0	0
0.014829	0.020502	0	0	0	0	0	0
0.897136	0.889912	0	0	0	0	0	0
0.933467	0.964179	0	0	0	0	0	0
0.997557	0.97584	0	0	0	0	0	0
0.684726	0.631063	0	0	0	0	0	0
0.012806	0.010398	0	0	0	0	0	0
0.965915	0.859653	0.05	0	0	0	0	0
0.993574	0.994595	0	0	0	0	0	0
0.005689	0.013669	0	0	0	0	0	0
0.994701	0.966643	0	0	0	0	0	0
0.01146	0.080167	0.01	0	0	0	0	0
0.995677	0.993795	0	0	0	0	0	0
0.014899	0.070787	0	0	0	0	0	0
0.995713	0.991223	0	0	0	0	0	0
0.993566	0.989486	0	0	0	0	0	0
0.013532	0.033279	0	0	0	0	0	0
0.01294	0.029961	0	0	0	0	0	0
0.014987	0.0323	0	0	0	0	0	0
0.996227	0.984066	0	0	0	0	0	0
0.974755	0.983842	0	0	0	0	0	0
0.090173	0.782815	0.29	0	0	0	0	0
0.990819	0.992866	0	0	0	0	0	0
0.989526	0.987193	0	0	0	0	0	0
0.990765	0.990361	0	0	0	0	0	0
0.994057	0.992958	0	0	0	0	0	0
0.01315	0.085552	0.01	0	0	0	0	0
0.985136	0.993499	0	0	0	0	0	0
0.993573	0.984014	0	0	0	0	0	0
0.954956	0.955386	0	0	0	0	0	0
0.980633	0.973474	0	0	0	0	0	0
0.97868	0.981611	0	0	0	0	0	0
0.979653	0.972927	0	0	0	0	0	0
0.958956	0.961881	0	0	0	0	0	0
0.972802	0.956739	0	0	0	0	0	0
0.981642	0.981968	0	0	0	0	0	0
0.977003	0.978752	0	0	0	0	0	0
0.976089	0.955749	0	0	0	0	0	0
0.999285	0.996084	0	0	0	0	0	0
0.999444	0.995164	0	0	0	0	0	0
0.985464	0.965682	0	0	0	0	0	0
0.995307	0.999568	0	0	0	0	0	0
0.884854	0.850429	0	0	0	0	0	0
0.002088	0.004894	0	0	0	0	0	0
0.998649	0.995287	0	0	0	0	0	0
0.999215	0.998993	0	0	0	0	0	0
0.002483	0.003382	0	0	0	0	0	0

0.003408	0.007063	0	0	0	0	0	0
0.993305	0.997262	0	0	0	0	0	0
0.998962	0.998385	0	0	0	0	0	0
0.998764	0.996216	0	0	0	0	0	0
0.003324	0.009279	0	0	0	0	0	0
0.993911	0.993211	0	0	0	0	0	0
0.999124	0.998754	0	0	0	0	0	0
0.997872	0.99805	0	0	0	0	0	0
0.997529	0.997455	0	0	0	0	0	0
0.999012	0.994022	0	0	0	0	0	0
0.999028	0.998988	0	0	0	0	0	0
0.998617	0.997289	0	0	0	0	0	0
0.990734	0.961825	0	0	0	0	0	0
0.984915	0.968432	0	0	0	0	0	0
0.022902	0.033064	0	0	0	0	0	0
0.997168	0.99416	0	0	0	0	0	0
0.981644	0.835805	0.07	0	0	0	0	0
0.995295	0.992605	0	0	0	0	0	0
0.992662	0.992287	0	0	0	0	0	0
0.995493	0.99632	0	0	0	0	0	0
0.993648	0.994955	0	0	0	0	0	0
0.99165	0.995682	0	0	0	0	0	0
0.993406	0.996484	0	0	0	0	0	0
0.984131	0.990757	0	0	0	0	0	0
0.963238	0.945083	0	0	0	0	0	0
0.089555	0.081531	0	0	0	0	0	0
0.977242	0.974639	0	0	0	0	0	0
0.956075	0.967793	0	0	0	0	0	0
0.981736	0.993427	0	0	0	0	0	0
0.98043	0.993334	0	0	0	0	0	0
0.014084	0.008274	0	0	0	0	0	0
0.437825	0.362073	0	0	0	0	0	0
0.647024	0.615621	0	0	0	0	0	0
0.929027	0.967079	0	0	0	0	0	0
0.340468	0.33935	0	0	0	0	0	0
0.987149	0.966064	0	0	0	0	0	0
0.025661	0.024955	0	0	0	0	0	0
0.984347	0.987541	0	0	0	0	0	0
0.984377	0.960173	0	0	0	0	0	0
0.986944	0.981774	0	0	0	0	0	0
0.979857	0.874717	0	0	0	0	0	0
0.988905	0.972169	0	0	0	0	0	0
0.991356	0.993368	0	0	0	0	0	0
0.03582	0.057223	0	0	0	0	0	0
0.989248	0.985851	0	0	0	0	0	0
0.985821	0.959804	0	0	0	0	0	0
0.988811	0.932093	0	0	0	0	0	0

0.992964	0.997761	0	4	0	13	0	0
0.99295	0.981087	0	0	0	0	0	0
0.958109	0.982902	0	0	0	0	0	0
0.840091	0.426049	0.1	0	1	1	0	0
0.963184	0.941741	0	0	0	0	0	0
0.947637	0.975596	0	0	0	0	0	0
0.028611	0.038102	0	0	0	0	0	0
0.042062	0.028299	0	0	0	0	0	0
0.980461	0.976786	0	0	0	0	0	0
0.990254	0.908889	0	0	0	0	0	0
0.992729	0.990087	0	0	0	0	7	7
0.994743	0.945206	0	0	0	0	0	0
0.05403	0.027808	0	0	0	0	0	0
0.558667	0.540695	0	0	0	0	0	0
0.984474	0.993619	0	0	0	0	0	0
0.987753	0.993625	0	0	0	0	0	0
0.346586	0.333589	0	0	0	0	0	0
0.917533	0.119066	0.66	0	0	0	0	0
0.952517	0.995511	0	0	0	0	0	0
0.92667	0.853598	0	0	0	0	0	0
0.558387	0.335142	0	0	0	0	0	0
0.019038	0.007827	0	0	0	0	0	0
0.994473	0.993474	0	0	0	0	0	0
0.996634	0.998282	0	0	0	0	0	0
0.023574	0.03961	0	0	0	0	0	0
0.868436	0.9362	0	0	0	0	0	0
0.85856	0.904413	0	0	0	0	0	0
0.902394	0.951991	0	0	0	0	0	0
0.900147	0.947178	0	0	0	0	0	0
0.854055	0.971152	0	0	0	0	0	0
0.867298	0.965399	0	0	0	0	0	0
0.740496	0.807389	0	0	0	0	0	0
0.976316	0.998335	0	0	0	0	0	0
0.968945	0.880981	0	0	0	0	0	0
0.004467	0.001485	0	0	0	0	0	0
0.028065	0.196889	0.04	0	0	0	0	0
0.989657	0.988965	0	0	0	0	0	0
0.010904	0.016663	0	1	0	0	0	0
0.839195	0.519726	0.16	0	0	0	0	0
0.993785	0.99149	0	0	0	0	0	0
0.995476	0.995857	0	0	0	0	0	0
0.993899	0.803478	0.06	0	0	0	0	0
0.07542	0.082995	0	0	0	8	0	0
0.970465	0.983602	0	0	0	0	0	0
0.994589	0.994728	0	0	0	0	0	0
0.003973	0.002026	0	0	0	0	0	0
0.971679	0.805233	0.04	0	0	0	0	0

0.029659	0.039526	0	0	0	0	0	0
0.665303	0.721713	0	0	0	0	0	0
0.98449	0.994755	0	0	0	0	0	0
0.121888	0.366554	0	0	0	0	0	0
0.057693	0.03065	0	0	0	0	0	0
0.987183	0.959368	0	0	0	0	0	0
0.017921	0.020917	0	0	0	0	0	0
0.970542	0.974383	0	0	0	0	0	0
0.021802	0.011475	0	0	0	0	0	0
0.964068	0.939624	0	0	0	0	0	0
0.635901	0.625581	0	0	0	0	0	0
0.51869	0.206885	0.02	0	0	0	0	0
0.937804	0.940039	0	0	0	0	0	0
0.978487	0.953394	0	0	0	0	0	0
0.981752	0.964803	0	0	0	0	0	0
0.973174	0.935686	0	0	0	0	0	0
0.971524	0.898055	0	0	0	0	0	0
0.980565	0.936764	0	0	0	0	0	0
0.897333	0.796512	0	0	0	0	0	0
0.026285	0.016693	0	0	0	0	0	0
0.98899	0.98558	0	0	0	0	0	0
0.925972	0.954136	0	0	0	0	0	0
0.019257	0.009874	0	0	0	0	0	0
0.413996	0.5595	0	0	0	0	0	0
0.819259	0.53443	0	0	0	0	0	0
0.983261	0.981949	0	0	0	0	0	0
0.995704	0.981227	0	0	0	0	0	0
0.947892	0.986703	0	0	0	0	0	0
0.037091	0.043569	0	0	0	0	0	0
0.97913	0.936424	0	0	0	0	0	0
0.829253	0.980147	0	0	0	0	0	0
0.09727	0.285534	0	0	0	0	0	0
0.994027	0.969047	0	0	0	0	0	0
0.99363	0.988974	0	0	0	0	0	0
0.995107	0.984746	0	0	0	0	0	0
0.938195	0.579671	0.25	0	0	0	0	0
0.991989	0.986052	0	0	0	0	0	0
0.994764	0.992668	0	0	0	0	0	0
0.776016	0.474731	0.06	0	0	0	0	0
0.968666	0.904904	0	0	0	0	0	0
0.961294	0.967907	0	0	0	0	0	0
0.919071	0.852545	0	0	0	0	0	0
0.068688	0.02346	0	0	0	0	0	0
0.276495	0.021434	0.07	0	0	0	0	0
0.068353	0.016611	0	0	0	0	0	0
0.923048	0.82157	0	0	0	0	0	0
0.932014	0.945827	0	0	0	0	0	0

0.939476	0.968236	0	0	0	0	0	0
0.964118	0.990837	0	0	0	0	0	0
0.874375	0.949799	0	0	0	0	0	0
0.941638	0.958983	0	0	0	0	0	0
0.21489	0.130656	0	0	0	0	3	3
0.090335	0.065123	0	0	0	0	0	0
0.330637	0.302828	0	0	0	0	0	0
0.003168	0.011562	0	0	0	0	0	0
0.979043	0.987289	0	0	0	0	0	0
0.079587	0.109134	0	0	0	0	0	0
0.994706	0.979624	0	0	0	0	0	0
0.019066	0.012963	0	0	0	0	0	0
0.998561	0.995041	0	0	0	0	0	0
0.005122	0.061305	0.02	0	0	0	0	0
0.9514	0.934805	0	0	0	0	0	0
0.986145	0.993202	0	0	0	0	0	0
0.002912	0.019618	0	0	0	0	0	0
0.00187	0.000945	0	0	0	0	0	0
0.808312	0.841756	0	0	0	0	0	0
0.973408	0.965553	0.01	0	0	0	0	0
0.011765	0.023336	0	0	0	0	0	0
0.001549	0.001415	0	0	0	0	0	0
0.790858	0.854889	0	0	0	0	0	0
0.047332	0.010763	0.01	0	0	0	0	0
0.995988	0.861792	0.09	0	0	0	0	3
0.994205	0.982087	0	0	0	0	0	0
0.010836	0.023092	0	0	0	0	0	0
0.977648	0.987046	0	0	0	0	0	0
0.053764	0.100111	0	0	0	0	0	0
0.718571	0.185156	0.36	0	0	0	0	0
0.980283	0.99076	0	0	0	0	0	0
0.971228	0.808803	0	0	0	0	0	0
0.988326	0.991838	0	0	0	0	0	0
0.994645	0.997038	0	0	0	2	0	0
0.023961	0.013573	0	0	0	0	0	0
0.979855	0.963027	0	0	0	0	0	0
0.999085	0.99952	0	0	0	0	0	0
0.998352	0.999223	0	0	0	0	0	0
0.033922	0.060696	0	0	0	0	0	0
0.972396	0.979569	0	0	0	0	0	0
0.960301	0.951345	0	0	0	0	0	0
0.947835	0.951749	0	0	0	0	0	0
0.088867	0.027858	0	0	0	0	0	0
0.979142	0.582257	0.24	0	0	0	0	0
0.122047	0.122845	0	0	0	0	0	0
0.003958	0.007785	0	0	0	0	0	0
0.992375	0.992243	0	0	0	0	0	0

0.991074	0.991983	0	0	0	0	0	0
0.988519	0.984427	0	0	0	0	0	0
0.842308	0.943615	0	0	0	0	0	0
0.175714	0.157407	0	0	0	0	0	0
0.463394	0.305168	0	0	0	0	0	0
0.516648	0.280139	0.04	0	0	0	0	0
0.056952	0.036378	0	0	0	0	0	0
0.946048	0.993697	0	0	0	0	0	0
0.028352	0.022122	0	0	0	0	0	0
0.023972	0.037663	0	0	0	0	0	0
0.993076	0.996593	0	0	0	0	0	0
0.015282	0.025773	0	0	0	0	0	0
0.995375	0.996212	0	0	0	0	0	0
0.995021	0.969371	0	0	0	0	0	0
0.99708	0.995543	0	0	0	0	0	0
0.996902	0.99735	0	0	0	0	0	0
0.252763	0.13377	0	0	0	0	0	0
0.970735	0.953552	0	0	0	0	0	0
0.009866	0.02862	0	6	32	21	5	10
0.118001	0.296593	0.01	10	9	11	1	1
0.993207	0.992864	0	0	0	5	0	0
0.997098	0.995132	0	0	0	0	0	0
0.021137	0.00477	0	0	11	0	0	0
0.995056	0.982595	0	10	9	22	5	5
0.006822	0.005739	0	0	0	0	0	0
0.996598	0.991859	0	0	0	0	0	0
0.992337	0.953242	0	0	0	0	0	0
0.96623	0.656837	0.09	0	0	0	0	0
0.793349	0.940323	0	0	0	0	0	0
0.990384	0.993312	0	0	0	0	0	0
0.96554	0.953388	0	0	0	0	0	0
0.961275	0.98173	0	0	0	0	0	0
0.013031	0.015218	0	0	0	0	0	0
0.021031	0.071181	0.01	0	0	0	0	0
0.015	0.012714	0	0	0	0	0	0
0.986797	0.947696	0	0	0	0	0	0
0.053064	0.091795	0	0	0	0	0	0
0.993279	0.985271	0	0	0	0	0	0
0.01645	0.049236	0	0	0	0	0	0
0.785813	0.776892	0	0	0	0	0	0
0.826894	0.791825	0	0	0	0	0	0
0.565688	0.575261	0	0	0	0	0	0
0.749132	0.86491	0	0	0	0	0	0
0.225661	0.566347	0.13	0	0	0	0	0
0.883581	0.849394	0	0	0	0	0	0
0.914064	0.917207	0	0	0	0	0	0
0.07925	0.053435	0	0	0	0	0	0

0.992501	0.958452	0	0	0	0	0	1
0.374833	0.195757	0	0	0	0	0	0
0.996281	0.992043	0	0	0	0	0	0
0.989461	0.996327	0	0	0	0	0	0
0.778078	0.447044	0.21	0	0	0	0	0
0.946862	0.872957	0	0	0	0	0	0
0.984643	0.987069	0	0	0	0	0	0
0.112261	0.068957	0	0	0	0	0	0
0.99297	0.986503	0	0	0	0	0	0
0.969594	0.918868	0	0	0	0	0	0
0.76526	0.165065	0.44	0	0	0	0	0
0.159715	0.215866	0	0	0	0	0	0
0.80288	0.695946	0	0	0	0	0	0
0.640765	0.787188	0.03	0	0	0	0	0
0.63316	0.707321	0	0	0	0	0	0
0.941082	0.951052	0	0	0	0	0	0
0.050222	0.028664	0	0	0	0	0	0
0.303112	0.244478	0	0	0	0	0	0
0.01208	0.003353	0	0	0	0	0	0
0.989967	0.994	0	0	0	0	0	0
0.996212	0.998808	0	0	0	0	0	0
0.01236	0.012121	0	0	0	0	0	0
0.864802	0.757299	0	0	0	0	0	0
0.880723	0.962287	0	0	0	0	0	0
0.945577	0.821592	0	0	0	0	0	0
0.021485	0.034546	0	0	0	0	0	0
0.994508	0.988295	0	0	0	0	0	0
0.994151	0.944838	0	0	0	0	0	0
0.996913	0.997329	0	0	0	0	0	0
0.997109	0.994881	0	0	0	0	0	0
0.053592	0.064243	0	0	0	0	0	0
0.009027	0.009513	0	0	0	0	0	0
0.974384	0.990449	0	0	0	0	0	0
0.008821	0.007265	0	0	0	0	0	0
0.98737	0.993237	0	0	0	0	0	0
0.981167	0.988219	0	0	0	0	0	0
0.985808	0.965653	0	0	0	0	0	0
0.883239	0.550038	0.03	0	0	0	0	0
0.055505	0.059205	0	0	0	0	0	0
0.986056	0.934885	0	0	0	0	0	0
0.989198	0.995688	0	0	0	0	0	0
0.017661	0.012437	0	0	0	0	0	0
0.97563	0.944931	0	0	0	0	0	0
0.983497	0.94416	0	0	0	0	0	0
0.96597	0.94729	0	0	0	0	0	0
0.953947	0.643249	0.07	0	0	0	0	0
0.944739	0.918741	0	0	0	0	0	0

0.953194	0.908619	0	0	0	0	0	0
0.93601	0.928526	0	0	0	0	0	0
0.938267	0.885646	0	0	0	0	0	0
0.942747	0.966573	0	0	0	0	0	0
0.958671	0.955896	0	0	0	0	0	0
0.884494	0.930653	0	0	0	0	0	0
0.793784	0.880751	0	0	0	0	0	0
0.986442	0.936585	0	0	0	0	0	0
0.992155	0.989002	0	0	0	0	0	0
0.101883	0.039987	0	0	0	0	0	0
0.042928	0.014228	0	0	0	0	0	0
0.030681	0.055656	0	0	0	0	0	0
0.092407	0.175908	0	0	0	0	0	0
0.004863	0.076461	0.03	0	0	0	0	0
0.204304	0.086669	0.05	0	0	0	0	0
0.984439	0.977661	0	0	0	0	0	0
0.996018	0.994539	0	0	0	0	0	0
0.996453	0.995538	0	1	0	0	0	0
0.995706	0.54732	0.3	0	0	0	0	0
0.996371	0.861861	0.07	0	0	0	0	0
0.005902	0.008014	0	0	0	0	0	0
0.980492	0.974314	0	0	0	0	0	0
0.993894	0.983713	0	0	0	0	0	0
0.996439	0.972327	0	0	0	0	0	0
0.004638	0.019575	0	0	0	0	0	0
0.991845	0.996591	0	0	0	0	0	0
0.035141	0.051305	0	0	0	0	0	0
0.999279	0.99307	0	0	0	0	0	0
0.923543	0.991337	0	0	0	0	0	0
0.971147	0.976489	0	0	0	0	0	0
0.005097	0.012892	0	0	0	0	0	0
0.01451	0.01492	0	0	0	0	0	0
0.959922	0.984105	0	0	0	0	0	0
0.996085	0.99206	0	0	0	0	0	0
0.336046	0.845413	0.32	0	0	0	0	0
0.966142	0.951793	0	0	0	0	0	0
0.9641	0.955713	0	0	0	0	0	0
0.991868	0.991853	0	0	0	0	0	0
0.987713	0.99096	0	0	0	0	0	0
0.986932	0.983059	0	0	0	0	0	0
0.98185	0.944801	0	0	0	0	0	0
0.959079	0.939005	0	0	0	0	0	0
0.987334	0.952832	0	0	0	0	0	0
0.982255	0.951861	0	0	0	0	0	0
0.984953	0.879649	0	0	0	0	0	0
0.97354	0.843578	0	0	0	0	0	0
0.97442	0.892338	0	0	0	0	0	0

0.036723	0.347388	0.1	0	0	0	0	0
0.980986	0.982455	0	0	0	0	0	0
0.964929	0.925419	0	0	0	0	0	0
0.951067	0.965377	0	0	0	0	0	0
0.988383	0.956173	0	0	0	0	0	0
0.328676	0.468039	0.02	0	0	0	0	0
0.276146	0.462811	0	0	0	0	0	0
0.947976	0.927293	0	0	0	0	0	0
0.059361	0.051319	0	0	0	0	0	0
0.800879	0.737411	0	0	0	0	0	0
0.165785	0.114986	0	0	0	0	0	0
0.012159	0.009438	0	0	0	0	0	0
0.054288	0.115597	0	2	0	0	0	0
0.998732	0.998143	0	0	0	0	0	0
0.998699	0.998532	0	0	0	0	0	0
0.969251	0.982536	0	0	0	0	0	0
0.015712	0.002585	0	0	0	0	0	0
0.996311	0.99105	0	0	0	0	0	0
0.117708	0.182928	0.03	0	0	0	0	0
0.528306	0.832984	0.25	0	0	0	0	0
0.441247	0.454614	0	0	5	0	0	0
0.636774	0.89687	0.22	0	0	0	0	0
0.460693	0.744319	0.21	0	0	0	0	0
0.434392	0.785432	0.27	0	0	1	0	0
0.947799	0.953174	0	0	0	0	0	0
0.963476	0.970894	0	0	0	0	0	0
0.087042	0.221905	0.14	0	0	0	0	0
0.879901	0.947705	0	0	0	0	0	0
0.985458	0.988213	0	0	0	0	0	0
0.69798	0.824667	0	0	0	0	0	0
0.984926	0.918478	0.01	0	0	0	0	0
0.733307	0.348602	0.2	0	0	0	0	0
0.018294	0.003827	0	0	0	0	0	0
0.964153	0.99792	0	0	0	0	0	0
0.964982	0.916271	0.02	0	0	0	0	0
0.797784	0.878391	0.03	0	0	0	0	0
0.015341	0.01008	0	0	0	0	0	0
0.997916	0.937111	0	0	0	0	0	0
0.998017	0.974767	0	0	0	0	0	0
0.99804	0.963015	0	0	0	0	0	0
0.995948	0.972476	0	0	0	0	0	0
0.991683	0.948371	0	0	0	0	0	0
0.997134	0.978902	0	0	0	0	0	0
0.997861	0.974263	0	0	0	0	7	0
0.939879	0.925915	0	0	0	0	0	0
0.945414	0.982851	0	0	0	0	0	0
0.901626	0.97027	0	0	0	0	0	0

0.956047	0.962112	0	0	0	0	0	0
0.945826	0.961261	0	0	0	0	0	0
0.766256	0.944291	0	0	0	0	0	0
0.254108	0.876149	0.52	0	0	0	0	0
0.990569	0.992232	0	0	0	0	0	0
0.99582	0.992343	0	0	0	0	0	0
0.995615	0.993957	0	0	0	0	0	0
0.990586	0.992382	0	0	0	0	0	0
0.981349	0.970525	0	0	0	0	0	0
0.977077	0.994581	0	0	0	0	0	0
0.99686	0.993147	0	0	0	0	0	0
0.301749	0.111562	0.02	0	0	0	0	0
0.06657	0.050302	0	0	0	0	0	0
0.975723	0.965975	0	0	0	0	0	0
0.987878	0.985787	0	0	0	0	0	0
0.966799	0.962035	0	0	0	0	0	0
0.007269	0.00557	0	0	0	0	0	0
0.796184	0.259857	0.41	0	0	0	0	0
0.991241	0.993427	0	0	0	0	0	0
0.989639	0.993407	0	0	0	0	0	0
0.85391	0.906638	0	0	0	0	0	0
0.008504	0.021032	0	0	0	0	0	0
0.039012	0.06906	0	0	0	0	0	0
0.875335	0.910597	0	0	0	0	0	0
0.983628	0.969863	0	0	0	0	0	0
0.000892	0.000663	0	0	0	0	0	0
0.999305	0.998819	0	0	0	0	0	0
0.009861	0.018642	0	0	0	0	0	0
0.986087	0.876656	0.02	0	0	0	0	0
0.040345	0.039781	0	0	0	0	0	0
0.978299	0.942754	0	0	0	0	0	0
0.925818	0.975231	0	0	0	0	0	0
0.047836	0.022864	0	0	0	0	0	0
0.931105	0.935278	0	0	0	0	0	0
0.973898	0.954264	0	0	0	0	0	0
0.967582	0.958504	0	0	0	0	0	0
0.948423	0.90854	0	0	0	0	0	0
0.997582	0.998258	0	0	0	0	0	0
0.997501	0.99566	0	0	0	0	0	0
0.968201	0.907542	0	0	0	0	0	0
0.988732	0.991753	0	0	0	0	0	0
0.997791	0.998167	0	0	0	0	0	0
0.043307	0.047913	0	0	0	0	0	0
0.230057	0.219001	0	0	0	0	0	0
0.587707	0.674255	0	0	0	0	0	0
0.044969	0.026669	0	0	0	0	0	0
0.994049	0.969467	0	0	0	0	0	0

0.984573	0.955666	0	0	0	0	0	0
0.144712	0.218284	0	0	0	0	0	0
0.998055	0.986855	0	0	0	0	0	0
0.997709	0.996098	0	0	0	0	0	0
0.947831	0.96472	0	0	0	0	0	0
0.066413	0.060861	0	0	0	0	0	0
0.109132	0.062098	0.01	0	0	0	0	0
0.0622	0.099005	0	0	0	0	0	0
0.016528	0.016032	0	0	0	0	0	0
0.994237	0.99668	0	0	0	0	0	0
0.98847	0.960885	0	0	0	0	0	0
0.019736	0.06187	0	0	0	0	0	0
0.996743	0.995055	0	0	0	0	0	0
0.966889	0.969693	0	0	0	0	0	0
0.049034	0.045689	0	0	0	0	0	0
0.95254	0.963075	0	0	0	0	0	0
0.040303	0.078702	0	0	0	0	0	0
0.960064	0.925369	0	0	0	0	0	0
0.963809	0.974734	0	0	0	0	0	0
0.965843	0.979187	0	0	0	0	0	0
0.980585	0.977954	0	0	0	0	0	0
0.976324	0.950484	0	0	0	0	0	0
0.987959	0.912707	0	0	0	1	0	0
0.952757	0.885482	0	0	0	0	0	0
0.963164	0.949534	0	0	0	0	0	0
0.973919	0.973355	0	0	0	0	0	0
0.963637	0.976279	0	0	0	0	0	0
0.977179	0.964118	0	0	0	0	0	0
0.935355	0.881531	0	0	0	0	0	0
0.31343	0.469528	0	0	0	0	0	0
0.915967	0.843125	0	0	0	0	0	0
0.94314	0.958905	0	0	0	0	0	0
0.996208	0.992276	0	0	0	0	0	0
0.993482	0.985144	0	0	0	0	0	0
0.996779	0.996113	0	0	0	0	0	0
0.987822	0.954269	0	0	0	0	0	0
0.993368	0.996785	0	0	0	0	0	0
0.956867	0.978209	0	0	0	0	0	0
0.9947	0.993455	0	0	0	0	0	0
0.905159	0.974893	0	0	0	0	0	0
0.812913	0.961337	0.06	0	0	0	0	0
0.934305	0.968818	0	0	0	0	0	0
0.957791	0.958127	0	0	0	0	0	0
0.978618	0.972849	0	0	0	0	0	0
0.971485	0.954691	0	0	0	0	0	0
0.991473	0.99205	0	0	0	0	0	0
0.994423	0.989404	0	0	0	0	0	0

0.992899	0.968777	0	0	0	0	0	0
0.989322	0.978875	0	0	0	0	0	0
0.993593	0.993327	0	0	0	0	0	0
0.971061	0.991157	0	0	0	0	0	0
0.998844	0.996598	0	0	0	0	0	0
0.001929	0.003385	0	0	0	0	0	0
0.9987	0.998073	0	0	0	0	0	0
0.999274	0.997531	0	0	0	0	0	0
0.998362	0.997242	0	0	0	0	7	0
0.999497	0.993101	0	0	0	0	0	0
0.99944	0.991881	0	0	0	0	0	0
0.001216	0.001925	0	0	0	0	0	0
0.998761	0.999454	0	0	0	0	0	0
0.998883	0.998228	0	0	0	0	0	0
0.956634	0.873935	0	0	0	0	0	0
0.990831	0.97747	0	0	0	0	0	0
0.997117	0.995101	0	0	0	0	0	0
0.998311	0.969363	0	0	0	0	0	0
0.999094	0.997792	0	0	0	0	0	0
0.998769	0.997669	0	0	0	0	0	0
0.004643	0.006564	0	0	0	0	0	0
0.99434	0.995224	0	0	0	0	0	0
0.997946	0.99835	0	0	0	0	0	0
0.036455	0.046339	0	0	0	0	0	0
0.733277	0.864682	0	0	0	0	0	0
0.541388	0.61265	0	0	0	0	0	0
0.876526	0.951335	0	0	0	0	0	0
0.890838	0.950903	0	0	0	0	0	0
0.964792	0.985156	0	0	0	0	0	0
0.959233	0.926403	0	0	0	0	0	0
0.953911	0.935118	0	0	0	0	0	0
0.953926	0.951899	0	0	0	0	0	0
0.946574	0.949541	0	0	0	0	0	0
0.938473	0.938153	0	0	0	0	0	0
0.951797	0.941706	0	0	0	0	0	0
0.049357	0.049686	0	0	0	0	0	0
0.960037	0.951964	0	0	0	0	0	0
0.952932	0.954307	0	0	0	0	0	0
0.936981	0.964535	0	0	0	0	0	0
0.242462	0.212402	0	0	0	0	0	0
0.249382	0.263564	0	0	0	0	0	0
0.558201	0.111896	0.1	0	0	0	0	0
0.98744	0.973814	0	0	0	0	0	0
0.321862	0.718191	0.05	0	0	0	0	0
0.01251	0.004309	0	0	0	0	0	0
0.991485	0.995371	0	0	0	0	0	0
0.890942	0.812132	0	0	0	0	0	0

0.987255	0.908926	0.04	0	0	0	0	0
0.06536	0.013959	0	0	0	0	0	0
0.017307	0.014322	0	0	0	0	0	0
0.99602	0.996897	0	0	0	0	0	0
0.946549	0.944075	0	0	0	0	0	0
0.94314	0.944455	0	0	0	0	0	0
0.988315	0.994681	0	0	0	0	0	0
0.964741	0.985726	0	0	0	0	0	0
0.989907	0.993687	0	0	0	0	0	0
0.977071	0.98356	0	0	0	0	0	0
0.940764	0.926602	0	0	0	0	0	0
0.007721	0.001959	0	0	0	0	0	0
0.998235	0.998147	0	0	0	0	0	0
0.998002	0.995266	0	0	0	0	0	0
0.005233	0.00477	0	0	0	0	0	0
0.00215	0.003116	0	0	3	0	0	0
0.984245	0.693582	0.1	0	0	0	0	0
0.964856	0.981279	0	0	0	0	0	0
0.980796	0.98829	0	0	0	0	0	0
0.983158	0.991287	0	0	0	0	0	0
0.981637	0.979291	0	0	0	0	0	0
0.009039	0.062481	0	0	0	0	0	0
0.995918	0.953877	0	0	0	0	0	0
0.995471	0.946915	0	0	0	0	0	0
0.994404	0.996609	0	0	1	0	0	0
0.996314	0.992562	0	0	0	0	0	0
0.995686	0.996229	0	0	0	0	0	0
0.001968	0.004674	0	0	0	0	0	0
0.012728	0.01461	0	0	0	0	0	0
0.968536	0.965234	0	0	0	0	0	0
0.954527	0.919686	0.04	0	0	0	0	0
0.997457	0.998732	0	0	0	0	0	0
0.991437	0.992214	0	0	0	0	0	0
0.004786	0.017399	0	0	0	0	0	0
0.98034	0.990511	0	0	0	0	0	0
0.582597	0.711902	0	0	0	0	0	0
0.31265	0.105956	0	0	0	0	0	0
0.982039	0.972695	0	0	0	0	0	0
0.498918	0.923282	0.08	0	0	0	0	0
0.339977	0.87358	0.02	0	0	0	0	0
0.804237	0.933067	0	0	0	0	0	0
0.936488	0.743664	0	0	0	0	2	2
0.965207	0.977689	0	0	0	0	0	0
0.968985	0.986901	0	0	0	0	0	0
0.050807	0.032354	0	0	0	0	0	0
0.052594	0.028106	0	0	0	0	0	0
0.960666	0.988995	0	0	0	0	0	0

0.994355	0.990477	0	0	0	0	0	0
0.991023	0.98008	0	0	0	0	0	0
0.988683	0.990242	0	0	0	0	0	0
0.007816	0.011686	0	0	0	0	0	0
0.991452	0.927835	0	0	0	0	0	0
0.996387	0.996214	0	0	0	0	0	0
0.996725	0.995401	0	0	0	0	0	0
0.906764	0.943166	0	0	0	0	0	0
0.935803	0.95801	0	0	0	0	0	0
0.95488	0.98155	0	0	0	0	0	0
0.816331	0.775128	0	0	0	0	0	0
0.984878	0.921156	0	0	0	0	0	0
0.035116	0.068079	0	0	0	0	0	0
0.975999	0.99409	0	0	0	0	0	0
0.994884	0.992872	0	0	0	0	0	0
0.943923	0.94193	0	0	0	0	0	0
0.706522	0.537645	0	0	0	0	0	0
0.964121	0.943326	0	0	0	0	0	0
0.916442	0.984616	0	0	0	0	0	0
0.027002	0.045392	0	0	0	0	0	0
0.05835	0.05186	0	0	0	0	0	0
0.977128	0.989596	0	0	0	0	0	0
0.967444	0.982759	0	0	0	0	0	0
0.927701	0.926647	0	0	0	0	0	0
0.987929	0.938	0	0	0	0	0	0
0.969427	0.984125	0	0	0	0	0	0
0.993253	0.936681	0	0	0	0	0	0
0.004998	0.008503	0	0	0	0	0	0
0.96111	0.664641	0.2	0	0	0	0	0
0.957594	0.628634	0.22	0	0	0	0	0
0.010155	0.048841	0	0	0	0	0	0
0.99167	0.991714	0	0	0	0	0	0
0.056074	0.085683	0	0	0	0	0	0
0.944559	0.943402	0	0	0	0	0	0
0.948443	0.989613	0	0	0	0	0	0
0.988405	0.989685	0	0	0	0	0	0
0.618031	0.572678	0	0	0	0	0	0
0.761349	0.777219	0	0	0	0	0	0
0.8102	0.833819	0	0	0	0	0	0
0.961199	0.927836	0	0	0	0	0	0
0.994878	0.990655	0	0	0	0	0	0
0.992645	0.983717	0	0	0	0	0	0
0.975696	0.950828	0	0	0	0	0	0
0.973226	0.906959	0	0	0	0	0	0
0.988264	0.975641	0	0	0	0	0	0
0.492701	0.546341	0	0	0	0	0	0
0.28479	0.153547	0	0	0	0	0	0

0.996362	0.99526	0	0	0	0	0	0
0.995743	0.996882	0	0	0	0	0	0
0.003854	0.012533	0	0	0	0	0	0
0.796172	0.876587	0	0	0	0	0	0
0.990027	0.970979	0	0	0	0	0	0
0.986591	0.972934	0	0	0	0	0	0
0.50159	0.16977	0.17	0	0	0	0	0
0.986574	0.991746	0	0	0	0	0	0
0.987536	0.942018	0	0	0	0	0	0
0.983898	0.983815	0	0	0	0	0	0
0.038233	0.151062	0.03	0	0	0	0	0
0.995776	0.996167	0	0	0	0	0	0
0.978788	0.974727	0	0	0	0	0	0
0.991544	0.955871	0	0	0	0	0	0
0.937307	0.819145	0	0	0	0	0	0
0.965172	0.948428	0	0	0	0	0	0
0.977734	0.963829	0	0	0	0	0	0
0.959895	0.959119	0	0	0	0	0	0
0.955616	0.970776	0	0	0	0	0	0
0.216849	0.053188	0.01	0	0	0	0	0
0.952853	0.648213	0.12	0	0	0	0	0
0.198422	0.069953	0	0	0	0	0	0
0.070431	0.190593	0	0	0	0	0	0
0.863554	0.94252	0	0	0	0	0	0
0.921392	0.988825	0	0	0	0	0	0
0.983632	0.83241	0.05	0	0	0	0	0
0.052677	0.047454	0	0	0	0	0	0
0.954196	0.965656	0	0	0	0	0	0
0.259922	0.167175	0.01	0	0	0	0	0
0.899806	0.913186	0	0	0	0	0	0
0.834546	0.674088	0	0	0	0	0	0
0.91663	0.96505	0	0	0	0	0	0
0.951208	0.87848	0	0	0	0	0	0
0.993171	0.983642	0	0	0	0	0	0
0.80043	0.963859	0.01	0	0	0	0	0
0.981873	0.948352	0	0	0	0	0	0
0.055281	0.655432	0.32	0	0	0	0	0
0.038799	0.031961	0	0	0	0	0	0
0.990123	0.909114	0	0	0	0	0	0
0.016076	0.029839	0	0	0	0	0	0
0.989781	0.986097	0	0	0	0	0	0
0.994785	0.993536	0	0	0	0	0	0
0.993674	0.995973	0	0	0	0	0	0
0.031825	0.013046	0	0	0	0	0	0
0.012085	0.00569	0	0	0	0	0	0
0.992185	0.991405	0	0	0	0	0	0
0.965219	0.937574	0	0	0	0	0	0

0.924698	0.965363	0	0	0	0	0	0
0.994953	0.996508	0	0	0	0	0	0
0.972882	0.962029	0	0	0	0	0	0
0.974399	0.948063	0	0	0	0	0	0
0.995841	0.989314	0	0	0	0	0	0
0.995095	0.973342	0	0	0	0	0	0
0.99305	0.980683	0	0	0	0	0	0
0.993374	0.975049	0	0	0	0	0	0
0.993392	0.962629	0	0	0	0	0	0
0.996029	0.990035	0	0	0	0	0	3
0.992035	0.991461	0	0	0	0	0	0
0.991713	0.987459	0	0	0	0	0	0
0.990807	0.946945	0	0	0	0	0	0
0.993911	0.882406	0.03	0	0	0	0	0
0.990732	0.989064	0	0	0	0	0	0
0.993347	0.982929	0	0	0	0	0	0
0.989351	0.958695	0	0	0	0	0	0
0.965437	0.985024	0	0	0	0	0	0
0.995125	0.983646	0	0	0	0	0	0
0.992987	0.977819	0	0	0	0	0	0
0.969595	0.914867	0	0	0	0	0	0
0.008001	0.042651	0	0	0	0	0	0
0.989996	0.978171	0	0	0	0	0	0
0.992931	0.992249	0	0	0	0	0	0
0.979269	0.950868	0	0	0	0	0	0
0.047665	0.070762	0	0	0	0	0	0
0.105484	0.44488	0	0	0	0	0	0
0.978038	0.934171	0	0	0	0	0	0
0.947558	0.931435	0	0	0	0	0	0
0.979162	0.935917	0	0	0	0	0	0
0.970066	0.941627	0	0	0	0	0	0
0.969898	0.942091	0	0	0	0	0	0
0.94551	0.946908	0	0	0	0	0	0
0.006048	0.01774	0	0	0	0	0	0
0.004886	0.004276	0	0	0	0	0	0
0.998752	0.998319	0	0	0	0	0	0
0.885761	0.986736	0	0	0	0	0	0
0.948079	0.950161	0	0	0	0	0	0
0.913009	0.739895	0.03	0	0	0	0	0
0.949678	0.963542	0	0	0	0	0	0
0.046471	0.03481	0	0	0	0	0	0
0.974963	0.934703	0	0	0	0	0	0
0.954321	0.949209	0	0	0	0	0	0
0.964026	0.974116	0	0	0	0	0	0
0.898046	0.976565	0	0	0	0	0	0
0.503033	0.842791	0	0	0	0	0	0
0.521833	0.91238	0.18	0	0	0	0	0

0.936363	0.943719	0	0	0	0	0	0
0.957502	0.938038	0	0	0	0	0	0
0.963666	0.96916	0	0	0	0	0	0
0.958718	0.974359	0	0	0	0	0	0
0.973277	0.98544	0	0	0	0	0	0
0.99607	0.920228	0	0	0	0	0	0
0.041843	0.116053	0	0	0	0	0	0
0.901257	0.899208	0	0	0	0	0	0
0.951761	0.764143	0	0	0	0	0	0
0.761311	0.961492	0	0	0	0	0	0
0.7369	0.962645	0	0	0	0	0	0
0.521607	0.9262	0.03	0	0	0	0	0
0.522062	0.77069	0	0	0	0	0	0
0.253316	0.572227	0	0	0	0	0	0
0.947513	0.945526	0	0	0	0	0	0
0.985542	0.978953	0	0	0	0	0	0
0.947918	0.933006	0	0	0	0	0	0
0.785612	0.91841	0	0	0	0	0	0
0.221142	0.409703	0	0	0	0	0	0
0.983232	0.992679	0	0	0	0	0	0
0.33047	0.177668	0	0	0	0	0	0
0.991835	0.99368	0	0	0	0	0	0
0.986416	0.944166	0	0	0	0	0	0
0.982139	0.993958	0	0	0	0	0	0
0.929044	0.814726	0	0	0	0	0	0
0.97224	0.945857	0	0	0	0	0	0
0.9652	0.811288	0	0	0	0	0	0
0.992995	0.988022	0	0	0	0	0	0
0.981487	0.987124	0	0	0	0	0	0
0.982589	0.982853	0	0	0	0	0	0
0.981126	0.989541	0	0	0	0	0	0
0.986125	0.961772	0	0	0	0	0	0
0.969575	0.980038	0	0	0	0	0	0
0.991247	0.96568	0	0	0	0	0	0
0.98247	0.970974	0	0	0	0	0	0
0.991947	0.990157	0	0	0	0	0	0
0.89046	0.901628	0	0	0	0	0	0
0.236228	0.230121	0	0	0	0	0	0
0.317706	0.234379	0	0	0	0	0	0
0.008141	0.067753	0.02	0	0	0	0	0
0.975434	0.984391	0	0	0	0	0	0
0.991444	0.985648	0	0	0	0	0	0
0.956434	0.972608	0	0	0	0	0	0
0.971719	0.966254	0	0	0	0	0	0
0.059769	0.055001	0	0	0	0	0	0
0.950502	0.969054	0	0	0	0	0	0
0.968709	0.968163	0	0	0	0	0	0

0.01693	0.071813	0	0	3	0	0	0
0.023972	0.460306	0.25	0	0	0	0	0
0.90214	0.946781	0	0	0	0	0	0
0.994323	0.996761	0	0	0	0	0	0
0.23397	0.303285	0	0	0	0	0	0
0.955851	0.66566	0.13	0	0	0	0	0
0.985823	0.986848	0	0	0	0	0	0
0.973996	0.987462	0	0	0	0	0	0
0.015332	0.014357	0	0	0	0	0	0
0.968631	0.957163	0	0	0	0	0	0
0.996626	0.990053	0	0	0	0	0	0
0.081803	0.440592	0.23	0	0	0	0	0
0.99459	0.993014	0	0	0	0	0	0
0.996892	0.994653	0	0	0	0	0	0
0.951256	0.946377	0	0	0	0	0	0
0.955588	0.85368	0	0	0	0	0	0
0.968028	0.955931	0	0	0	0	0	0
0.96781	0.926659	0	0	0	0	0	0
0.95039	0.943095	0	0	0	0	0	0
0.95186	0.940927	0	0	0	0	0	0
0.989988	0.986188	0	0	0	0	0	0
0.226855	0.296247	0	0	0	0	0	0
0.984903	0.92511	0	0	0	0	0	0
0.612699	0.724765	0	0	0	0	0	0
0.283274	0.540726	0	0	0	0	0	0
0.027471	0.149868	0	0	0	0	0	0
0.382585	0.898051	0.24	0	0	1	0	0
0.383445	0.919216	0.28	0	0	0	0	0
0.975255	0.964505	0	0	0	0	0	0
0.997603	0.976685	0	0	0	0	0	0
0.004765	0.01218	0	0	0	0	0	0
0.993889	0.986266	0	0	0	0	0	0
0.794619	0.731824	0	0	0	0	0	0
0.98781	0.960381	0	0	0	0	0	0
0.030403	0.051777	0	0	0	0	0	0
0.962841	0.860233	0.02	0	0	0	0	0
0.703218	0.216681	0	0	0	0	0	0
0.021488	0.012841	0	0	0	0	0	0
0.010885	0.007718	0	0	0	0	0	0
0.03003	0.039929	0	0	0	0	0	0
0.986978	0.969589	0	0	0	0	0	0
0.967841	0.938501	0	0	0	0	0	0
0.972649	0.93678	0	0	0	0	0	0
0.974556	0.955252	0	0	0	0	0	0
0.964744	0.965022	0	0	0	0	0	0
0.973754	0.953512	0	0	0	0	0	0
0.958282	0.936286	0	0	0	0	0	0

0.925485	0.97148	0	0	0	0	0	0
0.959274	0.632236	0	0	0	0	0	0
0.996782	0.997983	0	0	0	0	0	0
0.997003	0.976098	0	0	0	0	0	0
0.977492	0.991355	0	0	0	0	0	0
0.965592	0.986956	0	0	0	0	0	0
0.966612	0.987855	0	0	0	0	0	0
0.96384	0.958644	0	0	0	0	0	0
0.742506	0.655077	0	0	0	0	0	0
0.952145	0.936195	0	0	0	0	0	0
0.919347	0.970662	0	0	0	0	0	0
0.128943	0.081584	0	0	0	0	0	0
0.00406	0.012023	0	0	0	0	0	0
0.016038	0.014926	0	0	0	0	0	0
0.997945	0.873228	0.06	0	0	1	0	0
0.793924	0.308966	0.16	0	0	0	0	0
0.98829	0.958186	0	0	0	0	0	0
0.026415	0.047983	0	0	0	0	0	0
0.028976	0.057743	0	0	0	0	0	0
0.985466	0.915419	0	0	0	0	0	0
0.968049	0.946746	0	0	0	0	0	0
0.984449	0.956929	0	0	0	0	0	0
0.982318	0.971089	0	0	0	0	0	0
0.985502	0.909305	0	0	0	0	0	0
0.985949	0.96399	0	0	0	0	0	0
0.985465	0.938316	0	0	0	0	0	0
0.989857	0.972901	0	0	0	0	0	0
0.988722	0.944217	0	0	0	0	0	0
0.989386	0.940645	0	0	0	0	0	0
0.988125	0.942622	0	0	0	0	0	0
0.586618	0.582147	0	0	0	0	0	0
0.560634	0.484998	0	0	0	0	0	0
0.02871	0.060601	0	0	0	0	0	0
0.954209	0.74655	0	0	0	0	6	6
0.985129	0.88369	0	0	0	0	0	0
0.997692	0.997521	0	0	0	0	0	0
0.998997	0.998852	0	0	0	0	0	0
0.001449	0.002058	0	0	0	0	0	0
0.001468	0.00582	0	0	0	0	0	0
0.016998	0.008192	0	0	0	0	0	0
0.99164	0.995995	0	0	0	0	0	0
0.993207	0.992812	0	0	0	0	0	0
0.994108	0.991417	0	0	0	0	0	0
0.993776	0.996164	0	0	0	0	0	0
0.991517	0.989423	0	0	0	0	0	0
0.954141	0.9906	0	0	0	0	0	0
0.918285	0.966902	0	0	0	0	0	0

0.996177	0.992809	0	0	0	0	0	0
0.995243	0.994708	0	0	0	0	0	0
0.967628	0.959207	0	0	0	0	0	0
0.96647	0.92247	0	0	0	0	0	0
0.007094	0.012519	0	0	0	0	0	0
0.046144	0.073404	0	1	0	0	0	0
0.984419	0.987863	0	0	0	0	0	0
0.982271	0.99182	0	0	0	0	1	1
0.972692	0.962815	0	0	0	0	0	0
0.96447	0.869263	0	0	0	0	0	0
0.138455	0.21019	0	0	0	0	0	0
0.971021	0.910564	0	0	0	0	0	0
0.961041	0.953845	0	0	0	0	0	0
0.995727	0.948853	0	0	0	0	0	0
0.680196	0.79207	0	0	0	0	0	0
0.962192	0.97312	0	0	0	0	0	0
0.998331	0.998218	0	0	0	0	0	0
0.95219	0.932553	0	0	0	0	0	0
0.677526	0.490317	0	0	0	0	0	0
0.954924	0.977573	0	0	0	0	0	0
0.796424	0.583601	0.01	0	0	0	0	0
0.432288	0.576619	0	0	0	0	0	0
0.95052	0.879781	0	0	0	0	0	0
0.538592	0.661108	0	0	0	0	0	0
0.965116	0.975486	0	0	0	0	0	0
0.777572	0.885772	0	0	0	0	0	0
0.762943	0.842929	0	0	0	0	0	0
0.95272	0.980957	0	0	0	0	0	0
0.053382	0.248229	0.03	0	0	0	0	0
0.975704	0.969316	0	0	0	0	0	0
0.995073	0.987345	0	0	0	0	0	0
0.006946	0.034137	0	0	0	0	0	0
0.935327	0.941486	0	0	0	0	0	0
0.951032	0.937782	0	0	0	0	0	0
0.872208	0.935616	0	0	0	0	0	0
0.86042	0.933472	0	0	0	0	0	0
0.951415	0.934084	0	0	0	0	0	0
0.107231	0.461602	0.08	0	0	0	0	0
0.969314	0.956337	0	0	0	0	0	0
0.944205	0.773761	0	0	0	0	0	0
0.956079	0.94488	0	0	0	0	0	0
0.021233	0.062701	0	0	0	0	0	0
0.014574	0.025428	0	0	0	0	0	0
0.011145	0.019257	0	0	0	0	0	0
0.993952	0.982089	0	0	0	0	0	0
0.990666	0.875474	0.03	0	0	0	0	0
0.065739	0.022209	0	0	0	0	0	0

0.224543	0.392323	0	0	0	0	0	0
0.987074	0.987465	0	0	0	0	0	0
0.97522	0.987693	0	0	0	0	0	0
0.976264	0.985034	0	0	0	0	0	0
0.968607	0.951786	0	0	0	0	0	0
0.782813	0.740885	0	0	0	0	0	0
0.005483	0.008267	0	0	0	0	0	0
0.992417	0.934178	0.01	0	0	0	0	0
0.989083	0.955468	0	0	0	0	0	0
0.014939	0.044696	0	0	0	0	0	0
0.991911	0.985712	0	0	0	0	0	0
0.993917	0.988362	0	0	0	0	0	0
0.852478	0.935718	0	0	0	0	0	0
0.924998	0.870136	0	0	0	0	0	0
0.934462	0.857669	0	0	0	0	0	0
0.865248	0.898147	0	0	0	0	0	0
0.098845	0.042567	0	0	0	0	0	0
0.951628	0.962446	0	0	0	0	0	0
0.96204	0.942482	0	0	0	0	0	0
0.951775	0.86966	0	0	0	0	0	0
0.965862	0.995043	0	0	0	0	0	0
0.969608	0.995725	0	0	0	0	0	0
0.032875	0.029086	0	0	0	0	0	0
0.942377	0.957622	0	0	0	0	0	0
0.983338	0.975368	0	0	0	0	0	0
0.983328	0.984411	0	0	0	4	0	0
0.980522	0.984761	0	0	0	0	0	0
0.988895	0.974841	0	0	0	0	0	0
0.029217	0.012152	0	0	1	0	0	0
0.984016	0.951454	0	0	0	0	0	0
0.970975	0.986021	0	0	0	0	0	0
0.046918	0.033674	0	0	0	0	0	0
0.019826	0.013637	0	0	0	0	0	0
0.018025	0.028424	0	0	0	0	0	0
0.954052	0.901465	0	0	0	0	0	0
0.955328	0.892277	0	0	0	0	0	0
0.939618	0.870635	0	0	0	0	0	0
0.689568	0.735377	0	0	0	0	0	0
0.933332	0.870524	0	0	0	0	0	0
0.994854	0.975892	0	0	0	0	0	0
0.391817	0.578684	0	0	0	0	0	0
0.991129	0.995817	0	0	0	0	0	0
0.96262	0.947112	0	0	0	0	0	0
0.039628	0.048676	0	0	0	0	0	0
0.038386	0.0352	0	0	0	0	0	0
0.049875	0.040786	0	0	0	0	0	0
0.942889	0.96627	0	0	0	0	0	0

0.970796	0.984054	0	0	0	0	0	0
0.049948	0.048901	0	0	0	0	0	0
0.971462	0.980659	0	0	0	0	0	0
0.988027	0.974091	0	0	0	0	0	0
0.978269	0.964863	0	0	0	0	0	0
0.911477	0.867531	0	0	0	0	0	0
0.203951	0.249598	0	0	0	0	0	0
0.559851	0.221154	0	0	0	0	0	0
0.992345	0.995345	0	0	0	0	0	0
0.008697	0.00579	0	0	0	0	0	0
0.991605	0.990285	0	0	0	0	0	0
0.265207	0.466036	0.08	0	0	0	0	0
0.990802	0.99346	0	0	0	0	0	0
0.054416	0.048957	0	0	0	0	0	0
0.986062	0.976472	0	0	0	0	0	0
0.988842	0.975597	0	0	0	0	0	0
0.04203	0.092765	0	0	0	0	0	0
0.007505	0.011446	0	0	0	0	0	0
0.979734	0.95753	0	0	0	0	0	0
0.177919	0.11829	0	0	0	0	0	0
0.951107	0.957466	0	0	0	0	0	0
0.974744	0.975529	0	0	0	0	0	0
0.973215	0.975407	0	0	0	0	0	0
0.027046	0.089712	0	0	0	0	0	0
0.987968	0.968257	0	0	0	0	0	0
0.87747	0.877711	0	0	0	0	0	0
0.06429	0.191947	0	0	0	0	0	0
0.040932	0.179177	0.04	0	0	0	0	0
0.97734	0.973026	0	0	0	0	0	0
0.981556	0.985734	0	0	0	0	0	0
0.968355	0.980247	0	0	0	0	0	0
0.016102	0.017509	0	0	0	0	0	0
0.991629	0.989155	0	0	0	0	0	0
0.992975	0.994786	0	0	0	0	0	0
0.96686	0.960226	0	0	0	0	0	0
0.995481	0.973661	0	0	0	0	0	0
0.988565	0.994807	0	0	0	0	0	0
0.973157	0.955067	0	0	0	0	0	0
0.058336	0.083753	0	0	0	0	0	0
0.967099	0.963947	0	0	0	0	0	0
0.962383	0.948786	0	0	0	0	0	0
0.98758	0.977009	0	0	0	0	0	0
0.0365	0.050269	0	0	0	0	0	0
0.992254	0.992278	0	0	0	0	0	0
0.020121	0.045976	0	0	0	0	0	0
0.989701	0.974167	0	0	0	0	0	0
0.989536	0.986166	0	0	0	0	0	0

0.978159	0.946606	0	0	0	0	0	0
0.967428	0.978599	0	0	0	0	0	0
0.970649	0.975568	0	0	0	0	0	0
0.972421	0.970647	0	0	0	0	0	0
0.98137	0.972271	0	0	0	0	0	0
0.985997	0.954481	0	0	0	0	0	0
0.998158	0.979292	0	0	0	0	0	0
0.977779	0.953681	0	0	0	0	0	0
0.994953	0.998012	0	0	0	0	0	0
0.933102	0.977038	0	0	0	0	0	0
0.933898	0.9717	0	0	0	0	0	0
0.792848	0.917639	0	0	0	0	0	0
0.713499	0.873461	0	0	0	0	0	0
0.890887	0.936065	0	0	0	0	0	0
0.520312	0.462726	0	0	0	0	0	0
0.207174	0.104153	0	0	0	0	0	0
0.93788	0.945889	0	0	0	0	0	0
0.005994	0.002615	0	0	0	0	0	0
0.995221	0.943384	0.01	0	0	0	0	0
0.917519	0.965168	0	0	0	0	0	0
0.794606	0.890068	0	0	0	0	0	0
0.035342	0.054926	0	0	0	0	0	0
0.97075	0.941859	0	0	0	0	0	0
0.061188	0.346422	0.09	0	0	0	0	0
0.058133	0.022681	0	0	0	0	0	0
0.998313	0.995206	0	0	0	0	0	0
0.971384	0.950305	0	0	0	0	0	0
0.05315	0.129468	0	0	0	0	0	0
0.068195	0.025706	0	0	0	0	0	0
0.974182	0.957011	0	0	0	0	0	0
0.97475	0.969431	0	0	0	0	0	0
0.031498	0.089495	0	0	0	0	0	0
0.055268	0.101842	0	0	0	0	0	0
0.976291	0.949194	0	0	0	0	0	0
0.985773	0.972576	0	0	0	0	0	0
0.983969	0.971671	0	0	0	0	0	0
0.976048	0.968567	0	0	0	0	0	0
0.971136	0.978225	0	0	0	0	0	0
0.959502	0.963968	0	0	0	0	0	0
0.9892	0.968404	0	0	0	0	0	0
0.927531	0.852887	0	0	0	0	0	0
0.973636	0.962732	0	0	0	0	0	0
0.913307	0.50156	0.14	0	0	0	0	0
0.855711	0.439653	0.1	0	0	0	0	0
0.970244	0.965832	0	0	0	0	0	0
0.986319	0.966407	0	0	0	0	0	0
0.973905	0.975299	0	0	0	0	0	0

0.054629	0.152231	0	0	0	0	0	0
0.97942	0.973736	0	0	0	0	0	0
0.980223	0.980788	0	0	0	0	0	0
0.983678	0.983199	0	0	0	0	0	0
0.041356	0.083569	0	0	0	0	0	0
0.972121	0.945385	0	0	0	0	0	0
0.968457	0.986407	0	0	0	0	0	0
0.980501	0.992267	0	0	0	0	0	0
0.970667	0.972401	0	0	0	0	0	0
0.947537	0.963862	0	0	0	0	0	0
0.987708	0.735131	0.11	0	0	0	0	0
0.848374	0.963764	0	0	0	0	0	0
0.968854	0.929229	0	0	0	0	0	0
0.949198	0.982335	0	0	0	0	0	0
0.990123	0.987388	0	0	0	0	0	0
0.695035	0.953336	0.04	0	0	0	0	0
0.949474	0.854071	0	0	0	0	0	0
0.933019	0.946704	0	0	0	0	0	0
0.986064	0.847579	0.05	0	0	0	0	0
0.966949	0.953489	0	0	0	0	0	0
0.986284	0.986509	0	0	0	0	0	0
0.983811	0.969554	0	0	0	0	0	0
0.985365	0.968501	0	0	0	0	0	0
0.963023	0.756037	0.01	0	0	0	0	0
0.9646	0.854919	0	0	0	0	0	0
0.020419	0.058471	0	0	0	0	0	0
0.986653	0.956429	0	0	0	0	0	0
0.98997	0.942138	0	0	0	0	0	0
0.889762	0.886186	0	0	0	0	0	0
0.940604	0.810634	0	0	0	0	0	0
0.015079	0.057372	0	0	0	0	0	0
0.989314	0.989663	0	0	0	0	0	0
0.991864	0.983816	0	0	0	0	0	0
0.992301	0.989909	0	0	0	0	0	0
0.99362	0.984033	0	0	0	0	0	0
0.972382	0.964298	0	0	0	0	0	0
0.967044	0.911069	0	0	0	0	0	0
0.975488	0.942706	0	0	0	0	0	0
0.049294	0.080059	0	0	0	0	0	0
0.970785	0.982765	0	0	0	0	0	0
0.974405	0.90133	0	0	0	0	0	0
0.0336	0.044851	0	0	0	0	0	0
0.854933	0.978705	0.02	0	0	0	0	0
0.962115	0.960566	0	0	0	0	0	0
0.952528	0.876757	0	0	0	0	0	0
0.952047	0.976279	0	0	0	0	0	0
0.952633	0.905889	0	0	0	0	0	0

0.910304	0.941673	0	0	0	0	0	0
0.946047	0.82302	0	0	0	2	0	0
0.96335	0.961478	0	0	0	0	0	0
0.888209	0.805385	0	0	0	0	0	0
0.872789	0.661547	0	0	0	0	0	0
0.908415	0.680538	0	0	0	0	0	0
0.050373	0.105522	0	0	0	0	0	0
0.519006	0.860519	0	0	0	0	0	0
0.416963	0.863111	0	0	0	0	0	0
0.289743	0.774628	0.12	0	0	0	0	0
0.539168	0.527472	0	0	0	0	0	0
0.993825	0.994923	0	0	0	0	0	0
0.984917	0.988871	0	0	0	0	0	0
0.637362	0.787113	0	0	0	0	0	0
0.639959	0.754256	0	0	0	0	0	0
0.710101	0.750408	0	0	0	0	0	0
0.247143	0.205115	0	0	0	0	0	0
0.936182	0.7925	0	0	0	0	0	0
0.027343	0.064595	0	0	0	0	0	0
0.036872	0.047675	0	0	0	0	0	0
0.979477	0.919219	0	0	0	0	0	0
0.973832	0.916498	0	0	0	0	0	0
0.964569	0.970144	0	0	0	0	0	0
0.978443	0.985518	0	0	0	0	0	0
0.050294	0.059131	0	0	0	0	0	0
0.980869	0.976568	0	0	0	0	0	0
0.979113	0.971515	0	0	0	0	0	0
0.979579	0.948903	0	0	0	0	0	0
0.947313	0.849085	0	0	0	0	0	0
0.98633	0.783868	0.1	0	0	0	0	0
0.994892	0.990504	0	0	0	0	0	0
0.820207	0.911325	0	0	0	0	0	0
0.956884	0.904008	0	0	0	0	0	0
0.99224	0.942403	0	0	0	0	0	0
0.65305	0.847426	0	0	0	0	0	0
0.97391	0.957499	0	0	0	0	0	0
0.907807	0.968314	0	0	0	0	0	0
0.923604	0.944025	0	0	0	0	0	0
0.165793	0.057484	0	0	0	0	0	0
0.983828	0.993181	0	0	3	1	0	0
0.977149	0.95991	0	0	0	0	0	0
0.786601	0.682238	0	0	0	0	0	0
0.161587	0.341896	0	0	0	0	0	0
0.977732	0.947892	0	0	0	0	0	0
0.904556	0.937098	0	0	0	0	3	3
0.945047	0.926141	0	0	0	0	0	0
0.950448	0.929285	0	0	0	3	0	0

0.945392	0.858457	0.04	2	7	12	7	7
0.045309	0.101156	0	8	13	14	6	6
0.75504	0.737534	0	3	17	17	3	3
0.103708	0.135466	0	6	10	13	0	0
0.967904	0.937198	0	0	0	0	0	0
0.973422	0.945075	0	0	0	0	0	0
0.97916	0.938398	0	0	0	0	0	0
0.957431	0.943176	0	0	0	0	0	0
0.970463	0.933488	0	0	0	0	0	0
0.976417	0.929966	0	0	0	0	0	0
0.979092	0.956971	0	0	0	0	0	0
0.99548	0.989642	0	0	0	0	0	0
0.605992	0.790385	0	0	0	0	0	0
0.007264	0.015893	0	0	0	0	0	0
0.995033	0.995663	0	0	0	0	0	0
0.998463	0.991322	0	0	0	0	0	0
0.997855	0.998507	0	0	0	0	0	0
0.997879	0.995599	0	0	0	0	0	0
0.998212	0.997372	0	0	0	0	0	0
0.998555	0.998278	0	0	0	0	0	0
0.998721	0.999331	0	0	0	0	0	0
0.999058	0.995149	0	0	0	0	0	0
0.992889	0.990851	0	0	0	0	0	0
0.004289	0.009454	0	0	0	0	0	0
0.998753	0.99218	0	0	0	0	0	0
0.989771	0.918088	0	0	0	0	0	0
0.993453	0.993905	0	0	0	0	0	0
0.911139	0.962152	0.05	0	0	0	0	0
0.007657	0.00559	0	0	1	0	0	0
0.966048	0.882794	0	0	0	0	0	0
0.917427	0.220052	0.56	0	0	0	0	0
0.040903	0.010605	0	0	0	0	7	7
0.994167	0.966411	0	0	0	0	0	0
0.981117	0.945051	0	0	0	0	0	0
0.989389	0.99296	0	0	0	0	0	0
0.015769	0.006422	0	0	0	0	0	0
0.010117	0.005902	0	0	0	0	0	0
0.987668	0.810455	0.1	0	0	0	0	0
0.973453	0.798121	0.1	0	0	0	0	0
0.977283	0.979592	0	0	0	0	0	0
0.973985	0.955931	0	0	0	0	0	0
0.163984	0.031273	0.01	0	0	0	0	0
0.979947	0.969589	0	0	0	0	0	0
0.019653	0.015631	0	0	0	0	0	0
0.97104	0.984258	0	0	0	0	0	0
0.984434	0.990002	0	0	0	0	0	0
0.871151	0.981672	0	0	0	0	0	0

0.920077	0.968741	0	0	0	0	0	0
0.922771	0.973818	0	0	0	0	0	0
0.710962	0.816226	0	0	0	0	0	0
0.976147	0.942774	0	0	0	0	0	0
0.948701	0.950448	0	0	0	0	0	0
0.965624	0.949723	0	0	0	0	0	0
0.968791	0.884837	0	0	0	0	0	0
0.969545	0.976696	0	0	0	0	0	0
0.074286	0.058284	0	0	0	0	0	0
0.687511	0.961653	0.03	0	0	0	0	0
0.942406	0.953236	0	3	1	8	5	5
0.206831	0.181776	0	0	0	0	0	0
0.973057	0.815629	0	0	0	0	0	0
0.971622	0.797746	0.02	0	0	0	0	0
0.977318	0.923739	0	0	0	0	0	0
0.962645	0.732669	0.02	0	0	0	0	0
0.870467	0.783378	0	0	0	0	0	0
0.894792	0.975694	0	0	0	0	0	0
0.030692	0.010697	0	0	0	0	0	0
0.992216	0.976667	0	0	0	0	0	0
0.997406	0.99785	0	0	0	0	0	0
0.995652	0.99091	0	0	0	0	0	0
0.997929	0.996529	0	0	0	0	0	0
0.006162	0.006847	0	0	0	0	0	0
0.281054	0.265893	0	0	0	0	0	0
0.964272	0.985596	0	0	0	0	0	0
0.95158	0.964394	0	0	0	0	0	0
0.959454	0.936941	0	0	0	0	0	0
0.968519	0.974593	0	0	0	0	0	0
0.949538	0.966675	0	0	0	0	0	0
0.929184	0.951009	0	0	0	0	0	0
0.952309	0.948277	0	0	0	0	0	0
0.954985	0.973238	0	0	0	0	0	0
0.964445	0.98926	0	0	0	0	0	0
0.969204	0.991224	0	0	0	0	0	0
0.938516	0.987928	0	0	0	0	0	0
0.89188	0.982767	0	0	0	0	0	0
0.927441	0.883663	0	0	0	0	0	0
0.94754	0.934567	0	0	0	0	0	0
0.012132	0.020444	0	0	0	0	0	0
0.010307	0.122021	0.04	0	0	0	6	6
0.928495	0.96769	0	0	0	0	0	0
0.965343	0.934763	0	0	0	0	0	0
0.049202	0.212441	0	0	0	0	0	0
0.942756	0.956711	0	0	0	0	0	0
0.96761	0.984776	0	0	0	0	0	0
0.962122	0.881158	0	0	0	0	0	0

0.977781	0.959647	0	0	0	0	1	1
0.974203	0.953395	0	0	0	0	0	0
0.98532	0.981484	0	0	0	0	5	0
0.988826	0.989685	0	0	0	0	0	0
0.98409	0.988704	0	0	0	0	0	0
0.028601	0.092859	0	0	0	0	0	0
0.99212	0.988121	0	0	0	0	0	0
0.989177	0.987198	0	0	0	0	0	0
0.991375	0.963959	0	0	0	0	5	5
0.983178	0.974343	0	0	0	0	0	0
0.981795	0.970459	0	0	0	0	0	0
0.973464	0.972342	0	0	0	0	0	0
0.981805	0.983508	0	0	0	0	0	0
0.951281	0.977843	0	0	0	0	0	0
0.972475	0.854292	0	0	0	0	0	0
0.947457	0.947842	0	0	0	0	0	0
0.958203	0.980394	0	0	0	0	0	0
0.960515	0.973112	0	0	0	0	0	0
0.955217	0.97209	0	0	0	0	0	0
0.964697	0.941968	0	0	0	0	0	0
0.978281	0.863349	0.01	0	0	0	0	0
0.982761	0.899516	0.01	0	0	0	0	0
0.99262	0.982518	0	0	0	0	0	0
0.61635	0.316177	0.02	0	0	0	0	0
0.986913	0.989676	0	0	0	0	0	0
0.984962	0.990023	0	0	0	0	0	0
0.680428	0.813283	0	0	0	8	0	0
0.411627	0.560291	0	0	0	0	0	0
0.657809	0.697466	0	0	0	0	0	0
0.079317	0.14616	0	0	0	0	0	0
0.126407	0.28439	0.01	0	0	0	0	0
0.05567	0.046103	0	0	0	0	0	0
0.031109	0.041214	0	0	0	0	0	0
0.998975	0.998547	0	0	0	0	0	0
0.998974	0.99942	0	0	0	0	0	0
0.999211	0.998053	0	0	0	0	0	0
0.997547	0.998968	0	0	0	0	0	0
0.64807	0.775485	0.01	0	1	1	0	0
0.993412	0.991223	0	0	0	0	0	0
0.995193	0.971274	0	0	0	0	0	0
0.989601	0.922251	0.01	0	0	0	0	0
0.336789	0.317342	0	0	0	0	0	0
0.95672	0.978841	0	0	0	0	0	0
0.057334	0.080206	0	0	0	0	0	0
0.003881	0.004547	0	0	0	0	0	0
0.004655	0.003813	0	0	0	0	0	0
0.997817	0.998039	0	0	0	0	0	0

0.277197	0.757536	0	0	0	0	0	0
0.986838	0.947218	0	0	0	0	0	0
0.986631	0.963677	0	0	0	0	0	0
0.046085	0.085657	0	0	0	0	0	0
0.977724	0.86918	0	0	0	0	0	0
0.204715	0.363343	0	0	0	0	0	0
0.989001	0.94505	0	0	0	0	0	0
0.043831	0.228867	0.03	0	0	0	0	0
0.962057	0.940758	0	0	0	0	0	0
0.476229	0.49975	0	0	0	0	0	0
0.908261	0.922474	0	0	0	0	0	0
0.988774	0.973544	0	0	0	0	0	0
0.897874	0.840751	0	0	0	0	0	0
0.92003	0.86263	0	0	0	0	0	0
0.023137	0.014929	0	0	0	0	0	0
0.986961	0.995357	0	0	0	0	0	0
0.984893	0.992612	0	0	0	0	0	0
0.95879	0.949586	0	0	0	0	0	0
0.124443	0.117932	0	0	0	0	0	0
0.993146	0.994735	0	0	0	0	0	0
0.98428	0.989044	0	0	0	0	0	0
0.013576	0.020302	0	0	0	0	0	0
0.011208	0.02086	0	0	0	0	0	0
0.010696	0.007429	0	0	0	0	0	0
0.947778	0.923622	0	0	0	0	0	0
0.983551	0.951095	0	0	0	0	0	0
0.932314	0.906088	0	0	0	0	0	0
0.959839	0.776964	0	0	0	0	0	0
0.967854	0.940546	0	0	0	0	0	0
0.982704	0.95841	0	0	0	0	0	0
0.881308	0.956142	0	0	0	0	0	0
0.980048	0.976569	0	0	0	0	0	0
0.995277	0.974619	0	0	0	0	0	0
0.99641	0.989396	0	0	0	0	0	0
0.959537	0.897084	0	0	0	0	0	0
0.021785	0.043678	0	0	0	0	0	0
0.989864	0.967663	0	0	0	0	0	0
0.984734	0.941256	0	0	0	0	0	0
0.984414	0.945761	0	0	0	0	0	0
0.983577	0.970744	0	0	0	0	0	0
0.980245	0.665368	0.11	0	0	0	0	0
0.976367	0.676698	0.11	0	0	0	0	0
0.974806	0.760044	0.03	0	0	0	0	0
0.963586	0.634994	0.13	0	0	0	0	0
0.942771	0.531198	0.2	0	0	0	0	0
0.050667	0.101388	0	2	0	0	0	0
0.963084	0.986287	0	0	0	0	0	0

0.03035	0.016068	0	0	0	0	0	0
0.970813	0.940034	0	0	0	0	0	0
0.957066	0.942418	0	0	0	0	0	0
0.950961	0.951579	0	0	0	0	0	0
0.98392	0.976409	0	0	0	0	0	0
0.975168	0.975415	0	0	0	0	0	0
0.979921	0.956057	0	0	0	0	0	0
0.982941	0.976558	0	0	0	0	0	0
0.975231	0.970216	0	0	0	0	0	0
0.967887	0.949093	0	0	0	0	0	0
0.958385	0.954241	0	0	0	0	0	0
0.985136	0.989675	0	0	0	0	0	0
0.984674	0.98849	0	0	0	0	0	0
0.986651	0.987412	0	0	0	0	0	0
0.97507	0.993291	0	0	0	0	0	0
0.974987	0.94312	0	0	0	0	0	0
0.971445	0.851873	0	0	0	0	0	0
0.964143	0.809599	0.03	0	0	0	0	0
0.987956	0.987247	0	0	0	0	0	0
0.988597	0.967271	0	0	0	0	0	0
0.985129	0.978892	0	0	0	0	0	0
0.993531	0.962911	0	0	0	0	2	2
0.995062	0.975284	0	0	0	0	0	0
0.995762	0.983522	0	0	0	0	0	0
0.98007	0.938458	0	0	0	0	0	0
0.963294	0.892644	0	0	0	0	0	0
0.98509	0.953006	0	0	0	0	0	0
0.980595	0.944836	0	0	0	0	0	0
0.98527	0.954394	0	0	0	0	0	0
0.973091	0.967705	0	0	0	0	0	0
0.982815	0.955061	0	0	0	0	0	0
0.997045	0.97865	0	0	0	0	0	0
0.992675	0.991634	0	0	0	0	0	0
0.00941	0.018604	0	0	0	0	0	0
0.995001	0.992052	0	0	0	0	0	0
0.995521	0.993491	0	0	0	0	0	0
0.983217	0.958797	0	0	0	0	0	0
0.969947	0.955599	0	0	0	0	0	0
0.965449	0.960533	0	0	0	0	0	0
0.970488	0.980531	0	0	0	0	0	0
0.975595	0.986534	0	0	0	0	0	0
0.926789	0.976492	0	0	0	0	0	0
0.994705	0.985778	0	0	0	0	0	0
0.986613	0.977055	0	0	0	0	0	0
0.99338	0.983993	0	0	0	0	0	0
0.993161	0.982793	0	0	0	0	0	0
0.41119	0.509623	0	0	0	0	0	0

0.858772	0.971992	0	0	0	0	0	0
0.912616	0.849938	0	0	0	0	0	0
0.988133	0.963219	0	0	0	0	0	0
0.995897	0.980954	0	0	0	0	0	0
0.993957	0.953476	0	0	0	0	0	0
0.996607	0.996354	0	0	0	0	0	4
0.996402	0.992344	0	0	0	0	0	0
0.998495	0.98974	0	0	0	0	0	0
0.997838	0.998301	0	0	0	0	0	0
0.997242	0.997175	0	0	0	0	0	0
0.998244	0.996095	0	0	0	0	0	0
0.9977	0.996108	0	0	0	0	0	0
0.99916	0.986435	0	0	0	0	0	0
0.990838	0.951993	0	0	0	0	0	0
0.028101	0.070269	0	0	0	0	0	0
0.991294	0.970249	0	0	0	0	0	0
0.990366	0.977728	0	0	0	0	0	0
0.983778	0.971962	0	0	0	0	0	0
0.994835	0.994034	0	0	0	0	0	0
0.992098	0.929178	0	0	0	0	0	0
0.993336	0.96087	0	0	0	0	0	0
0.025633	0.079686	0	0	0	0	0	0
0.986157	0.983549	0	0	0	0	0	0
0.980912	0.912109	0	0	0	0	0	0
0.980434	0.959084	0	0	0	0	0	0
0.992572	0.978709	0	0	0	0	0	0
0.991605	0.972739	0	0	0	0	0	0
0.990778	0.962421	0	0	0	0	0	0
0.824931	0.822306	0	0	0	0	0	0
0.869762	0.87333	0	0	0	0	0	0
0.87608	0.879542	0	0	0	0	0	0
0.948885	0.976379	0	0	0	0	0	0
0.971659	0.861441	0	0	0	0	0	0
0.976645	0.944063	0	0	0	0	0	0
0.98369	0.946375	0	0	0	0	0	0
0.079549	0.050939	0	0	0	0	0	0
0.978552	0.958508	0	0	0	0	0	0
0.975905	0.974147	0	0	0	0	0	0
0.975867	0.952953	0	0	0	0	0	0
0.984711	0.927749	0	0	0	0	0	0
0.974885	0.954577	0	0	0	0	0	0
0.984737	0.960884	0	0	0	0	0	0
0.990249	0.953947	0	0	0	0	0	0
0.986311	0.96546	0	0	0	0	0	0
0.990227	0.957524	0	0	0	0	0	0
0.025906	0.023239	0	0	0	0	0	0
0.991277	0.987266	0	0	0	0	0	0

0.986307	0.944935	0	0	0	0	0	0
0.989298	0.956203	0	0	0	0	0	0
0.281907	0.946525	0.37	2	4	0	0	0
0.989834	0.993907	0	0	0	0	0	0
0.933448	0.968793	0	0	0	0	0	0
0.976021	0.963918	0	0	0	0	0	0
0.995789	0.96613	0	0	0	0	0	0
0.995896	0.943898	0	0	0	0	0	0
0.947991	0.907477	0	0	0	0	0	0
0.959823	0.364514	0.4	0	0	0	0	0
0.995935	0.954558	0	0	0	0	0	0
0.99499	0.97186	0	0	0	0	0	0
0.00662	0.056039	0	0	0	0	0	0
0.980782	0.787048	0.06	0	0	0	0	0
0.968898	0.93571	0	0	0	0	0	0
0.998578	0.960181	0	0	0	0	0	0
0.995354	0.975296	0	0	0	0	0	0
0.999031	0.990032	0	0	0	0	0	0
0.994378	0.990952	0	0	0	0	0	0
0.714543	0.204527	0.38	0	0	0	0	0
0.938861	0.973089	0	0	0	0	0	0
0.996073	0.953668	0	0	0	0	0	0
0.996595	0.967729	0	0	0	0	0	0
0.986033	0.968372	0	0	0	0	0	0
0.997628	0.972626	0	0	0	0	0	0
0.997823	0.976777	0	0	0	0	0	0
0.998298	0.981478	0	0	0	0	0	0
0.998758	0.987017	0	0	0	0	0	0
0.99888	0.988022	0	0	0	0	0	0
0.996059	0.974199	0	0	0	0	0	0
0.996074	0.97688	0	0	0	0	0	0
0.328893	0.749434	0.2	0	0	0	0	0
0.995009	0.99226	0	0	0	0	0	0
0.077969	0.091902	0	0	0	0	0	0
0.78383	0.817067	0	0	0	0	0	0
0.887458	0.605967	0.01	0	0	0	0	0
0.985758	0.972003	0	0	0	0	0	0
0.911057	0.933852	0	0	0	0	0	0
0.880755	0.870831	0	0	0	0	0	0
0.918874	0.681105	0	0	0	0	0	0
0.95418	0.879155	0	0	0	0	0	0
0.92005	0.354475	0.27	0	0	0	0	0
0.934896	0.91057	0	0	0	0	0	0
0.948481	0.898423	0	0	0	0	0	0
0.968506	0.955056	0	0	0	0	0	0
0.97523	0.952285	0	0	0	0	0	0
0.984414	0.968425	0	0	0	0	0	0

0.025464	0.020428	0	0	0	0	0	0
0.993099	0.988774	0	0	0	0	0	0
0.997881	0.999077	0	0	0	0	0	0
0.998467	0.993669	0	0	0	0	0	0
0.054848	0.116469	0	0	0	0	0	0
0.943995	0.949155	0	0	0	0	0	0
0.962958	0.949886	0	0	0	0	0	0
0.949303	0.949279	0	0	0	0	0	0
0.737068	0.951326	0	0	0	0	0	0
0.902806	0.955075	0	0	0	0	0	0
0.009113	0.031894	0	0	0	0	0	0
0.228602	0.174343	0	0	0	0	0	0
0.007561	0.012656	0	0	0	0	0	0
0.813108	0.872691	0	0	0	0	0	0
0.998082	0.986137	0	0	0	0	0	0
0.99896	0.999388	0	0	0	0	0	0
0.997393	0.998011	0	0	0	0	0	0
0.994538	0.996737	0	0	0	0	0	0
0.996599	0.998526	0	0	0	0	0	0
0.985339	0.991644	0	0	0	0	0	0
0.170897	0.25226	0	0	0	0	0	0
0.559322	0.267418	0.12	0	0	0	0	0
0.992428	0.996087	0	0	0	0	0	0
0.998131	0.99665	0	0	0	0	0	0
0.992587	0.994291	0	0	0	0	0	0
0.008988	0.012337	0	0	0	0	0	0
0.997118	0.992546	0	0	0	0	0	0
0.992379	0.97415	0	0	0	0	0	0
0.033814	0.012015	0	0	0	0	0	0
0.991135	0.997807	0	0	0	0	0	0
0.991418	0.997664	0	0	0	0	0	0
0.992114	0.997728	0	0	0	0	0	0
0.984341	0.992759	0	0	0	0	0	0
0.986536	0.968985	0	0	0	0	0	0
0.981308	0.952659	0	0	0	0	0	0
0.904594	0.910418	0	0	0	0	0	0
0.99717	0.997646	0	0	0	0	0	0
0.994252	0.998178	0	0	0	0	0	0
0.940579	0.904364	0	0	0	0	0	0
0.003807	0.007236	0	0	0	0	0	0
0.03863	0.069967	0	0	0	0	0	0
0.914734	0.899325	0	0	0	0	0	0
0.024068	0.029621	0	0	0	0	0	0
0.043035	0.04058	0	0	0	0	0	0
0.991537	0.985076	0	0	0	0	0	0
0.993385	0.976768	0	0	0	0	0	0
0.893862	0.595412	0.17	0	0	0	0	0

0.924881	0.919784	0	0	0	0	1	1
0.81393	0.641294	0.05	0	0	0	0	0
0.980697	0.96162	0	0	0	0	0	0
0.992385	0.992473	0	0	0	0	0	0
0.9951	0.993036	0	0	0	0	0	0
0.98029	0.959323	0	0	0	0	0	0
0.979412	0.916929	0	0	0	0	0	0
0.981109	0.945696	0	0	0	0	0	0
0.06237	0.062205	0	0	0	0	0	0
0.40323	0.730428	0.08	0	0	0	0	0
0.982754	0.928803	0	0	0	0	0	0
0.064832	0.315542	0	0	0	0	0	0
0.008487	0.027142	0	0	0	0	0	0
0.079791	0.084959	0	0	0	0	0	0
0.079786	0.51053	0.14	0	0	0	0	0
0.048605	0.060903	0	0	0	0	0	0
0.99523	0.931768	0	0	0	0	0	0
0.507188	0.770856	0	0	0	0	0	0
0.979435	0.997419	0	0	0	0	0	0
0.984327	0.971316	0	0	0	0	0	0
0.998227	0.994735	0	0	0	0	0	0
0.998912	0.994287	0	0	0	0	0	0
0.015574	0.005341	0	5	0	0	0	0
0.279427	0.03173	0.19	5	0	5	0	0
0.999412	0.988835	0	5	0	0	3	3
0.003016	0.004352	0	3	0	0	0	0
0.408444	0.544654	0	3	0	0	0	0
0.827194	0.382946	0.25	0	0	0	0	0
0.111322	0.096274	0	0	0	0	0	0
0.994061	0.977322	0	0	0	0	0	0
0.990731	0.978508	0	0	0	0	0	0
0.980867	0.982143	0	0	0	0	0	0
0.780972	0.845307	0	0	0	0	0	0
0.00817	0.028684	0	0	0	0	0	0
0.967938	0.526068	0.28	0	0	0	0	0
0.990807	0.937317	0	0	0	0	0	0
0.985598	0.928338	0	0	0	0	0	0
0.042501	0.065682	0	0	0	0	0	0
0.824383	0.912098	0	0	0	0	0	0
0.583161	0.870896	0	0	0	0	0	0
0.028457	0.046432	0	0	0	0	0	0
0.828075	0.81131	0	0	0	0	0	0
0.986151	0.993416	0	0	0	0	0	0
0.990487	0.974544	0	0	0	0	0	0
0.994497	0.993793	0	0	0	0	0	0
0.007874	0.009674	0	0	0	0	0	0
0.559829	0.632094	0	0	0	0	0	0

0.989369	0.92843	0.01	0	0	0	0	0
0.012335	0.017964	0	0	0	0	0	0
0.012472	0.019546	0	0	0	0	0	0
0.987144	0.952424	0	0	0	0	0	0
0.989657	0.96644	0	0	0	0	0	0
0.993882	0.975317	0	0	0	0	0	0
0.993708	0.972812	0	0	0	0	0	0
0.985853	0.949576	0	0	0	0	0	0
0.98639	0.973032	0	0	0	0	0	0
0.994874	0.991717	0	0	0	0	0	0
0.989472	0.991352	0	0	0	0	0	0
0.972028	0.9522	0	0	0	0	0	0
0.995266	0.992761	0	0	0	0	0	0
0.99258	0.936292	0.01	0	0	0	0	0
0.332685	0.333479	0	0	0	0	0	0
0.000146	0.000309	0	0	0	0	0	0
0.770114	0.552015	0	0	0	0	0	0
0.942428	0.944014	0	0	0	0	0	0
0.998432	0.989364	0	0	0	0	0	0
0.998687	0.990632	0	0	0	0	0	0
0.012304	0.03215	0	0	0	0	0	0
0.211505	0.243187	0	0	0	0	0	0
0.997653	0.994306	0	0	0	0	0	0
0.998891	0.989715	0	0	0	0	0	0
0.995144	0.96326	0	0	0	0	0	0
0.999303	0.998708	0	0	0	0	0	0
0.984697	0.935873	0	0	0	0	0	0
0.102282	0.043942	0	0	0	0	0	0
0.990801	0.985216	0	0	0	0	0	0
0.014364	0.138663	0.05	0	0	0	0	0
0.037352	0.130487	0.01	0	0	0	0	0
0.997959	0.985357	0	0	0	0	0	0
0.029115	0.149934	0.03	0	0	0	0	0
0.031185	0.166411	0.06	0	0	0	0	0
0.029809	0.135958	0.01	0	0	0	0	0
0.021439	0.122762	0.02	0	0	0	0	0
0.017555	0.107824	0.03	0	0	0	0	0
0.006637	0.043283	0	0	0	0	3	0
0.024176	0.074144	0	0	0	0	0	0
0.030084	0.083913	0	0	0	0	0	0
0.9987	0.999162	0	0	0	0	0	0
0.001731	0.002683	0	0	0	0	0	0
0.995602	0.996765	0	0	0	0	0	0
0.997906	0.989222	0	0	0	0	0	0
0.99853	0.997394	0	0	0	0	0	0
0.976851	0.974484	0	0	0	0	0	0
0.971265	0.971648	0	0	0	0	0	0

0.975138	0.973957	0	0	0	0	0	0
0.997775	0.996606	0	0	0	0	0	0
0.993989	0.988671	0	0	0	0	0	0
0.997685	0.99842	0	0	0	0	0	0
0.998359	0.997911	0	0	0	0	0	0
0.99104	0.999151	0	0	0	0	0	0
0.000123	0.000229	0	0	0	0	0	0
0.998338	0.999426	0	0	0	0	0	0
0.997997	0.992732	0	0	0	0	0	0
0.9991	0.995036	0	0	0	0	0	0
0.995612	0.998164	0	0	0	0	0	0
0.999805	0.999602	0	0	0	0	0	0
0.962098	0.955523	0	0	0	0	0	0
0.999902	0.999909	0	0	0	0	0	0
0.999849	0.999563	0	0	0	0	0	0
0.99845	0.997052	0	0	0	0	0	0
0.984565	0.98997	0	0	0	0	0	0
0.984712	0.986132	0	0	0	0	0	0
0.024371	0.015356	0	0	0	0	0	0
0.982308	0.994008	0	0	0	0	0	0
0.481126	0.382538	0	0	0	0	0	0
0.983204	0.982744	0	0	0	0	0	0
0.975454	0.978518	0	0	0	0	0	0
0.974314	0.979339	0	0	0	0	0	0
0.981777	0.964508	0	0	0	0	0	0
0.984052	0.979676	0	0	0	0	0	0
0.050909	0.050704	0	0	0	0	0	0
0.941575	0.970434	0	0	0	0	0	0
0.984037	0.998829	0	0	0	0	0	0
0.000472	0.00135	0	0	0	0	0	0
0.998768	0.998949	0	0	0	0	0	0
0.996092	0.994082	0	0	0	0	0	0
0.984709	0.631667	0.23	0	0	0	0	0
0.509941	0.740271	0.09	0	0	0	0	0
0.50124	0.378712	0	0	0	0	0	0
0.024326	0.043395	0	0	0	0	0	0
0.992553	0.935068	0	0	0	0	0	0
0.99316	0.990745	0	0	0	0	0	0
0.963739	0.914531	0	0	0	0	0	0
0.008903	0.031598	0	0	0	0	0	0
0.002986	0.001913	0	0	0	0	0	0
0.991422	0.988707	0	0	0	0	0	0
0.99038	0.992024	0	0	0	0	0	0
0.983967	0.965258	0	0	0	0	0	0
0.705868	0.951339	0.02	0	0	0	0	0
0.893979	0.965146	0	0	0	0	0	0
0.983297	0.966351	0	0	0	0	0	0

0.018581	0.02003	0	0	0	0	0	0
0.99128	0.97486	0	0	0	0	0	0
0.961932	0.895592	0	0	0	0	0	0
0.936809	0.856472	0	0	0	0	0	0
0.973793	0.989742	0	0	0	0	0	0
0.994499	0.990946	0	0	0	0	0	0
0.994677	0.989612	0	0	0	0	0	0
0.995726	0.992922	0	0	0	0	0	0
0.991939	0.992733	0	0	0	0	0	0
0.993716	0.993418	0	0	0	0	0	0
0.993015	0.988851	0	0	0	0	0	0
0.99357	0.99085	0	0	0	0	0	0
0.994226	0.987756	0	0	0	0	0	0
0.994966	0.989552	0	0	0	0	0	0
0.99548	0.98917	0	0	0	0	0	0
0.995843	0.990382	0	0	0	0	0	0
0.995503	0.991266	0	0	0	0	0	0
0.995282	0.991206	0	0	0	0	0	0
0.995496	0.993272	0	0	0	0	0	0
0.992249	0.928955	0.01	0	0	0	0	0
0.962283	0.983851	0	0	0	0	0	0
0.972582	0.821917	0.03	0	0	0	0	0
0.947716	0.942656	0	0	0	0	0	0
0.92261	0.945256	0	0	0	0	0	0
0.949068	0.971458	0	0	0	0	0	0
0.053916	0.043847	0	0	0	0	0	0
0.938121	0.979392	0	0	0	0	0	0
0.93916	0.982038	0	0	0	0	0	0
0.624134	0.953163	0.09	0	0	0	0	0
0.996634	0.9956	0	0	0	0	0	0
0.995707	0.996323	0	0	0	0	0	0
0.065992	0.141691	0	0	0	13	0	9
0.078067	0.092576	0	0	0	0	0	0
0.533007	0.525289	0	0	0	0	0	0
0.908332	0.913577	0	0	0	0	0	0
0.993594	0.992301	0	0	0	0	0	0
0.995517	0.996195	0	0	0	0	0	0
0.727821	0.676507	0	0	0	0	0	0
0.026141	0.002854	0	0	0	0	0	0
0.993476	0.966823	0	0	0	0	0	0
0.99685	0.989325	0	0	0	0	0	0
0.997085	0.99137	0	0	0	0	0	0
0.996984	0.988047	0	0	0	0	0	0
0.00827	0.030807	0	0	0	0	0	0
0.997418	0.992971	0	0	0	0	0	0
0.997184	0.995354	0	0	0	0	0	0
0.997391	0.995377	0	0	0	0	0	0

0.983403	0.83704	0	0	0	0	0	0
0.99344	0.969602	0	0	0	0	0	0
0.999078	0.996589	0	0	0	0	0	0
0.994702	0.992173	0	0	0	0	0	0
0.998476	0.997951	0	0	0	0	0	0
0.078812	0.045236	0	1	0	0	0	0
0.978681	0.961119	0	0	0	0	1	1
0.022836	0.052212	0	0	0	0	0	0
0.99164	0.948932	0	0	0	0	0	0
0.953645	0.944002	0	0	0	0	0	0
0.878186	0.702418	0.01	0	0	0	0	0
0.009021	0.014967	0	0	0	0	0	0
0.001212	0.003487	0	0	0	0	0	0
0.999078	0.998643	0	0	0	0	0	0
0.999154	0.99892	0	0	0	0	0	0
0.090482	0.284738	0.21	0	0	0	0	0
0.91098	0.691754	0.13	0	0	0	0	0
0.990295	0.979236	0	0	0	0	0	0
0.009755	0.022148	0	0	0	0	0	0
0.957219	0.964028	0	0	0	0	0	0
0.990159	0.992441	0	0	0	0	0	0
0.014428	0.04171	0	0	0	0	0	0
0.994976	0.989443	0	0	0	0	0	0
0.010652	0.016986	0	0	0	0	0	0
0.939687	0.91524	0	0	0	0	0	0
0.992928	0.995814	0	0	0	0	0	0
0.986413	0.949614	0	0	0	0	0	0
0.982774	0.931183	0	0	0	0	0	0
0.97687	0.964777	0	0	0	0	0	0
0.956363	0.953321	0	0	0	0	0	0
0.994699	0.872563	0.05	0	0	0	0	0
0.996876	0.974762	0	0	0	0	0	0
0.98763	0.954789	0	0	0	0	0	0
0.99752	0.993864	0	0	0	0	0	0
0.029118	0.018095	0	0	0	0	0	0
0.999655	0.999433	0	0	0	0	0	0
0.000461	0.00309	0	0	0	0	0	0
0.99983	0.998104	0	0	0	0	0	0
0.999809	0.999427	0	0	0	0	0	0
0.034012	0.055458	0	0	0	0	0	0
0.99843	0.978393	0	0	0	0	0	0
0.971275	0.958055	0	0	0	0	0	0
0.981619	0.968638	0	0	0	0	0	0
0.979475	0.973591	0	0	0	0	0	0
0.980119	0.976171	0	0	0	0	0	0
0.982502	0.986774	0	0	0	0	0	0
0.980158	0.988813	0	0	0	0	0	0

0.983649	0.994359	0	0	0	0	0	0
0.983798	0.994417	0	0	0	0	0	0
0.987003	0.98575	0	0	0	0	0	0
0.985202	0.967093	0	0	0	0	0	0
0.024743	0.029599	0	0	0	0	0	0
0.97733	0.984862	0	0	0	0	0	0
0.978842	0.921428	0	0	0	0	0	0
0.977317	0.958726	0	0	0	0	0	0
0.992975	0.978841	0	0	0	0	0	0
0.002197	0.005508	0	0	0	0	0	0
0.997711	0.998253	0	0	0	0	0	0
0.98855	0.983098	0	0	0	0	0	0
0.993374	0.994587	0	0	0	0	0	0
0.957884	0.946534	0	0	0	0	0	0
0.10502	0.196903	0	0	14	14	4	4
0.998789	0.999152	0	0	0	0	21	21
0.995926	0.997731	0	0	0	0	1	1
0.97518	0.94492	0	0	0	0	0	0
0.056483	0.064675	0	0	0	0	0	0
0.995886	0.999019	0	0	0	0	0	0
0.233985	0.476037	0.01	0	0	0	0	0
0.763768	0.603301	0	0	0	0	2	2
0.999894	0.99986	0	0	0	0	0	0
0.99866	0.999725	0	0	0	0	0	0
0.999363	0.999208	0	0	0	0	0	0
0.999631	0.998292	0	0	0	14	0	0
0.999685	0.99855	0	0	25	33	0	0
0.997695	0.996927	0	0	0	0	0	0
0.996613	0.998138	0	0	0	0	0	0
0.807266	0.638369	0.06	0	0	0	0	0
0.215567	0.346439	0.01	0	0	11	0	0
0.674494	0.465724	0.03	1	0	6	0	0
0.292827	0.567981	0.11	1	0	7	0	0
0.998102	0.997965	0	0	0	0	0	0
0.997906	0.998881	0	0	0	0	0	0
0.004935	0.00884	0	0	0	0	0	0
0.998418	0.996712	0	0	0	0	0	0
0.997571	0.990362	0	0	0	0	0	0
0.003823	0.005484	0	0	0	0	0	0
0.993897	0.99696	0	0	0	0	0	0
0.994603	0.982541	0	0	0	0	0	0
0.994626	0.986156	0	0	0	0	0	0
0.009949	0.068491	0	0	0	0	0	0
0.847921	0.794311	0	0	0	0	0	0
0.99823	0.961405	0	0	0	0	0	0
0.998528	0.969043	0	0	0	0	0	0
0.989461	0.961558	0	0	0	0	0	0

0.958931	0.700604	0.05	0	0	0	0	0
0.039237	0.02801	0	0	0	0	0	0
0.979856	0.868836	0	0	0	0	0	0
0.994806	0.992933	0	0	0	0	0	0
0.979818	0.781051	0	0	0	0	0	0
0.976831	0.977203	0	0	0	0	0	0
0.989278	0.980505	0	0	0	0	0	0
0.018783	0.043853	0	0	0	0	0	0
0.989484	0.974902	0	0	0	0	0	0
0.440669	0.228738	0	0	0	0	0	0
0.027179	0.073884	0	0	0	0	0	0
0.988738	0.96831	0	0	0	0	0	0
0.99003	0.976182	0	0	0	0	0	0
0.992048	0.92742	0	0	0	0	0	0
0.980374	0.971176	0	0	0	0	0	0
0.976147	0.980061	0	0	0	0	0	0
0.017871	0.02016	0	0	0	0	0	0
0.994174	0.986026	0	0	0	0	0	0
0.9911	0.987114	0	0	0	0	0	0
0.982192	0.963296	0	0	0	0	0	0
0.011907	0.028889	0	0	0	0	0	0
0.01586	0.03057	0	0	0	0	0	0
0.989703	0.968178	0	0	0	0	0	0
0.993724	0.970373	0	0	0	0	0	0
0.987052	0.927392	0	0	0	0	0	0
0.982479	0.900169	0.03	0	0	0	0	0
0.002544	0.01242	0	0	0	0	0	0
0.998112	0.996105	0	0	0	0	0	0
0.997347	0.99466	0	0	0	0	0	0
0.009592	0.026485	0	0	0	0	0	0
0.928141	0.951221	0	0	0	0	0	0
0.160686	0.63735	0.11	0	0	0	0	0
0.582761	0.256434	0.05	0	0	0	0	0
0.015115	0.044413	0	0	0	0	0	0
0.918193	0.924667	0	0	0	0	0	0
0.583827	0.607136	0	0	0	0	0	0
0.995251	0.99311	0	0	0	0	0	0
0.991382	0.954188	0	0	0	0	0	0
0.966936	0.975116	0	0	0	0	0	0
0.993632	0.987419	0	0	0	0	0	0
0.989719	0.951384	0	0	0	0	0	0
0.99236	0.955069	0	0	0	0	0	0
0.97144	0.84034	0	0	0	0	0	0
0.996338	0.970317	0	0	0	0	0	0
0.995428	0.997926	0	0	0	0	0	0
0.99451	0.990829	0	0	0	0	0	0
0.059258	0.026663	0	0	0	0	0	0

0.066633	0.105187	0	0	0	0	0	0
0.1468	0.257863	0.03	0	0	0	0	0
0.984673	0.984978	0	0	0	0	0	0
0.992199	0.98847	0	0	0	0	0	0
0.992911	0.98748	0	0	0	0	0	0
0.996308	0.992654	0	0	0	0	0	0
0.990174	0.981362	0	0	0	0	0	0
0.983053	0.979384	0	0	0	0	0	0
0.994692	0.987128	0	0	0	0	0	0
0.992481	0.980113	0	0	0	0	0	0
0.9969	0.992614	0	0	0	0	0	0
0.925422	0.87425	0	0	0	0	0	0
0.952379	0.866881	0	0	0	0	4	0
0.026939	0.054095	0	0	0	0	0	0
0.986912	0.96015	0	0	0	0	0	0
0.012856	0.040282	0	0	1	0	0	0
0.996107	0.98339	0	0	1	5	0	0
0.992252	0.960555	0	0	0	0	0	0
0.970113	0.96713	0	0	0	7	0	0
0.971901	0.960664	0	0	0	0	0	0
0.935353	0.950857	0	0	0	0	0	0
0.964519	0.95154	0	0	0	0	0	0
0.948044	0.945587	0	0	0	0	0	0
0.954603	0.973706	0	0	0	0	0	0
0.716229	0.764945	0	0	0	0	0	0
0.954155	0.971316	0	0	0	0	0	0
0.966279	0.974401	0	0	0	0	0	0
0.960103	0.947816	0	0	0	0	0	0
0.947743	0.965841	0	0	0	0	0	0
0.19215	0.312589	0	0	0	0	0	0
0.323481	0.241383	0	0	0	0	0	0
0.05535	0.040018	0	0	0	0	0	0
0.83984	0.907851	0	0	0	0	0	0
0.10641	0.055073	0	0	0	0	0	0
0.997093	0.99329	0	0	0	0	0	0
0.98439	0.99522	0	0	0	0	0	0
0.022672	0.024692	0	0	0	0	0	0
0.992762	0.975124	0	0	0	0	0	0
0.994384	0.999089	0	0	0	0	0	0
0.98719	0.966376	0	0	0	0	0	0
0.980825	0.962384	0	0	0	0	0	0
0.989456	0.95738	0	0	0	0	0	0
0.993577	0.975476	0	0	0	0	0	0
0.015786	0.043779	0	0	0	0	0	0
0.992569	0.978053	0	0	0	0	0	0
0.03698	0.048196	0	0	0	0	0	0
0.988439	0.969595	0	0	0	0	0	0

0.951765	0.784296	0	0	0	0	0	0
0.977124	0.946431	0	0	0	0	0	0
0.978743	0.961453	0	0	0	0	0	0
0.993	0.958561	0	0	0	0	0	0
0.947966	0.947375	0	0	0	0	0	0
0.980889	0.980125	0	0	0	0	0	0
0.984558	0.976174	0	0	0	0	0	0
0.051626	0.050366	0	0	0	0	0	0
0.976729	0.959596	0	0	0	0	0	0
0.050414	0.058549	0	0	0	0	0	0
0.936866	0.934477	0	0	0	0	0	0
0.991792	0.95674	0	0	0	0	0	0
0.947325	0.936751	0	0	0	0	0	0
0.975918	0.963877	0	0	0	0	0	0
0.749236	0.809381	0	0	0	5	0	0
0.908757	0.87834	0	0	0	0	0	0
0.927888	0.898059	0	0	0	0	0	0
0.93707	0.854086	0	0	0	0	0	0
0.935838	0.429014	0.1	0	0	0	0	0
0.989145	0.976006	0	0	0	0	0	0
0.992814	0.961112	0	0	0	0	0	0
0.021524	0.029024	0	0	0	0	0	0
0.996468	0.974141	0	0	0	0	0	0
0.996434	0.982069	0	0	0	0	0	0
0.996036	0.964474	0	0	0	0	0	0
0.205675	0.045455	0.08	0	0	0	0	4
0.993462	0.949791	0.01	0	0	15	0	0
0.998096	0.989917	0	0	0	0	0	0
0.945594	0.977886	0	0	0	0	0	0
0.011027	0.017439	0	0	0	0	0	0
0.940112	0.964745	0	0	0	0	0	0
0.94407	0.965292	0	0	0	0	0	0
0.960126	0.967002	0	0	0	0	0	0
0.052075	0.058	0	0	0	0	0	0
0.929685	0.95497	0	0	0	0	0	0
0.091911	0.148042	0	0	0	0	0	0
0.130122	0.106713	0	0	0	0	0	0
0.963383	0.979276	0	0	0	0	0	0
0.945323	0.97982	0	0	0	0	0	0
0.987738	0.948436	0	0	0	0	0	0
0.98588	0.983125	0	0	0	0	0	0
0.98973	0.954798	0	0	0	0	0	0
0.986303	0.981108	0	0	0	0	0	0
0.043595	0.157109	0	0	0	0	0	0
0.25496	0.079945	0	0	0	0	0	0
0.043942	0.035416	0	0	0	0	0	0
0.028767	0.077324	0	0	0	0	0	0

0.512141	0.768716	0	0	0	0	0	0
0.043071	0.118637	0	0	0	0	0	0
0.986295	0.979454	0	0	0	0	0	0
0.385237	0.7816	0.04	0	0	0	0	0
0.943213	0.967893	0	0	0	0	0	0
0.963564	0.948842	0	0	0	0	0	0
0.96822	0.939343	0	0	0	0	0	0
0.956614	0.93775	0	0	0	0	0	0
0.916736	0.846757	0	0	0	0	0	0
0.974878	0.982446	0	0	0	0	0	0
0.978236	0.983774	0	2	0	0	0	0
0.942473	0.985752	0	0	0	0	0	0
0.961502	0.768048	0.02	0	0	0	0	0
0.876707	0.508893	0.05	0	0	0	0	0
0.899516	0.770368	0	0	0	0	0	0
0.988599	0.989687	0	0	0	0	0	0
0.947634	0.985709	0	0	0	0	0	0
0.997319	0.982165	0	0	0	0	0	0
0.990672	0.978258	0	0	0	0	0	0
0.014065	0.083461	0	0	0	0	0	0
0.98227	0.960594	0	0	0	0	0	0
0.026837	0.039072	0	0	0	0	0	0
0.98789	0.972558	0	0	0	0	0	0
0.988027	0.980767	0	0	0	0	0	0
0.989439	0.985978	0	0	0	0	0	0
0.95162	0.848087	0	0	0	0	0	0
0.998611	0.98415	0	0	0	0	0	0
0.999811	0.999541	0	0	0	0	0	0
0.001973	0.003246	0	0	0	0	0	0
0.99953	0.999204	0	0	0	0	0	0
0.006039	0.007924	0	0	0	0	0	0
0.999752	0.998459	0	0	0	0	0	0
0.997237	0.994882	0	0	0	0	0	0
0.99954	0.998093	0	0	0	0	6	6
0.999616	0.99812	0	0	0	0	0	0
0.984573	0.996031	0	0	0	0	0	0
0.985562	0.996921	0	0	0	0	0	0
0.962566	0.996568	0	0	0	0	0	0
0.966418	0.988422	0	0	0	0	0	0
0.012991	0.005404	0	0	0	0	0	0
0.976318	0.99158	0	0	0	0	0	0
0.970766	0.990447	0	0	0	0	0	0
0.97964	0.991944	0	0	0	0	0	0
0.98407	0.994513	0	0	0	0	0	0
0.96647	0.90787	0	0	0	0	0	0
0.985771	0.980261	0	0	0	0	0	0
0.983421	0.976087	0	0	0	0	0	0

0.930976	0.812682	0.03	0	0	0	0	0
0.97384	0.989613	0	0	0	0	0	0
0.996143	0.987883	0	0	0	0	0	0
0.99904	0.99403	0	0	0	0	10	10
0.999141	0.940488	0.01	10	0	0	11	3
0.997168	0.987457	0	0	0	0	0	0
0.988217	0.986795	0	0	0	0	0	0
0.973938	0.954201	0	0	0	0	0	0
0.049718	0.065512	0	0	0	0	0	0
0.969594	0.970445	0	0	0	0	0	0
0.964553	0.950275	0	0	0	0	0	0
0.965289	0.960933	0	0	0	0	0	0
0.977003	0.978985	0	0	0	0	0	0
0.17703	0.050169	0	0	0	0	0	0
0.975393	0.981198	0	0	0	0	0	0
0.961707	0.948148	0	0	0	0	0	0
0.139818	0.058574	0	0	0	0	0	0
0.976019	0.953951	0	0	0	0	0	0
0.943361	0.931952	0	0	0	0	0	0
0.913673	0.932956	0	0	0	0	0	0
0.961761	0.960069	0	0	0	0	0	0
0.016857	0.041349	0	0	0	0	0	0
0.983468	0.932693	0	0	0	0	0	0
0.907086	0.946284	0	0	0	0	0	0
0.770102	0.747354	0	0	0	0	0	0
0.94364	0.96057	0	0	0	0	0	0
0.041821	0.104718	0	0	0	0	0	0
0.05563	0.334173	0.14	0	0	0	0	0
0.998755	0.998899	0	0	0	0	0	0
0.356482	0.286201	0	0	0	0	0	0
0.114112	0.076832	0	0	0	0	0	0
0.292667	0.515106	0.1	0	0	0	0	0
0.038823	0.034151	0	0	0	0	0	0
0.063266	0.067998	0	0	0	0	0	0
0.991308	0.984381	0	0	0	0	0	0
0.014163	0.026777	0	0	0	0	0	0
0.075938	0.216252	0.02	0	0	0	0	0
0.999017	0.999191	0	0	0	0	0	0
0.001774	0.001761	0	0	0	0	0	0
0.005661	0.007466	0	0	0	0	0	0
0.998859	0.997408	0	0	0	0	0	0
0.994743	0.998443	0	0	0	0	0	0
0.997916	0.998268	0	0	0	0	0	0
0.997717	0.996116	0	0	0	0	0	0
0.834527	0.955883	0.04	0	0	0	0	0
0.966136	0.990998	0	0	0	0	0	0
0.96563	0.997903	0.01	0	0	0	0	0

0.992641	0.998932	0	0	0	0	0	0
0.167724	0.107559	0	0	0	0	0	0
0.063639	0.103882	0.04	0	0	0	0	0
0.998976	0.980857	0.01	0	0	0	0	0
0.955686	0.85283	0.06	0	0	0	0	0
0.998075	0.989115	0	0	0	0	0	0
0.040084	0.050835	0	0	0	0	0	0
0.052876	0.069565	0	0	0	0	0	0
0.007472	0.12718	0.06	0	0	0	0	0
0.996737	0.812077	0.08	0	0	0	0	0
0.037129	0.057293	0	0	0	0	0	0
0.994947	0.991075	0	0	0	0	0	0
0.953483	0.947886	0.01	0	0	0	0	0
0.008296	0.021789	0	0	0	0	0	0
0.990254	0.989183	0	0	0	0	0	0
0.042878	0.046076	0	0	0	0	0	0
0.98043	0.986317	0	0	0	0	0	0
0.976789	0.982272	0	0	0	0	0	0
0.977197	0.96533	0	0	0	0	0	0
0.10569	0.214014	0	0	0	0	0	0
0.044216	0.066099	0	0	0	0	0	0
0.037146	0.06305	0	0	0	0	0	0
0.986834	0.989186	0	0	0	0	0	0
0.950084	0.863707	0	0	0	0	0	0
0.966519	0.736916	0.01	0	0	0	0	0
0.995793	0.991152	0	0	0	0	0	1
0.997614	0.966078	0.01	0	0	0	0	0
0.998498	0.999127	0	0	0	0	0	0
0.996801	0.997403	0	0	0	0	0	0
0.982792	0.986944	0	0	0	0	0	0
0.992242	0.982886	0	0	0	0	0	0
0.960082	0.968963	0	0	0	0	0	0
0.956315	0.954734	0	0	0	0	0	0
0.942811	0.943575	0	0	0	0	0	0
0.962829	0.954749	0	0	0	0	0	0
0.96239	0.971119	0	0	0	0	0	0
0.981662	0.979126	0	0	0	0	0	0
0.996493	0.998753	0	0	0	0	0	0
0.981478	0.993104	0	0	0	0	0	0
0.986613	0.987517	0	0	0	0	0	0
0.272859	0.078034	0	0	0	0	0	0
0.874108	0.938002	0	0	0	0	0	0
0.999215	0.999051	0	0	0	0	0	0
0.964641	0.966944	0	0	0	0	0	0
0.969367	0.941451	0	0	0	0	0	0
0.952131	0.925947	0	0	0	0	0	0
0.955899	0.959603	0	0	0	0	0	0

0.031783	0.012439	0	0	0	0	0	0
0.987696	0.991613	0	0	0	1	0	0
0.126336	0.06998	0	0	0	0	0	0
0.444888	0.889373	0.09	0	0	0	0	0
0.981963	0.988408	0	0	0	0	0	0
0.891463	0.969924	0	0	0	0	0	0
0.023009	0.022107	0	0	0	0	0	0
0.997972	0.997346	0	0	0	0	0	0
0.998087	0.994315	0	0	0	0	0	0
0.998623	0.998079	0	0	0	0	0	0
0.998726	0.981686	0	0	0	0	0	0
0.998325	0.996694	0	0	0	0	0	0
0.997109	0.983363	0	0	0	0	0	0
0.938541	0.953132	0	0	0	0	0	0
0.990995	0.973546	0	0	0	0	0	0
0.984897	0.972274	0	0	0	0	0	0
0.992886	0.958716	0	0	0	0	0	0
0.991985	0.987383	0	0	0	0	0	0
0.093631	0.133542	0	0	6	0	0	0
0.991905	0.996357	0	0	6	0	0	0
0.978292	0.951601	0	0	0	0	0	0
0.987057	0.99214	0	0	0	5	0	0
0.996458	0.998599	0	0	0	0	0	0
0.992401	0.996643	0	0	6	0	0	0
0.989922	0.995512	0	0	6	0	0	0
0.918473	0.965146	0	0	0	0	0	0
0.997518	0.989289	0	0	0	0	0	0
0.998417	0.995349	0	0	0	0	0	0
0.996722	0.998694	0	0	0	0	5	5
0.99656	0.998228	0	0	0	0	0	0
0.977382	0.981021	0	0	0	0	0	0
0.009218	0.012369	0	0	0	1	0	6
0.997703	0.982889	0	0	0	0	0	0
0.999398	0.998217	0	0	0	0	0	0
0.995788	0.982049	0	0	0	0	0	0
0.495882	0.147084	0.12	0	0	0	0	0
0.901186	0.935032	0	0	0	0	0	0
0.986754	0.98852	0	0	0	0	0	0
0.267499	0.380397	0	0	0	0	0	0
0.935732	0.772309	0.05	0	0	0	0	0
0.935309	0.766599	0.04	0	0	0	0	0
0.943776	0.773979	0.05	0	0	0	0	0
0.915	0.78805	0.02	0	0	0	0	0
0.993757	0.994765	0	0	0	0	0	0
0.984934	0.958005	0	0	0	0	0	0
0.955482	0.848137	0.03	0	0	0	0	0
0.19839	0.052096	0.05	0	0	0	0	0

0.977265	0.971416	0	0	0	0	0	0
0.991906	0.987562	0	0	0	0	0	0
0.009958	0.012045	0	0	0	0	0	0
0.979067	0.959817	0	0	0	0	0	0
0.991368	0.986041	0	0	0	0	0	0
0.9896	0.985045	0	0	0	0	0	0
0.200418	0.119883	0	0	0	0	0	0
0.98402	0.968344	0	0	0	0	0	0
0.633592	0.355039	0	0	0	0	0	0
0.991591	0.975553	0	0	0	0	0	0
0.566255	0.201607	0.14	0	0	0	0	0
0.9484	0.852377	0	0	0	0	0	0
0.977667	0.951679	0	0	0	0	0	0
0.034677	0.028577	0	0	0	0	0	0
0.008752	0.0078	0	0	0	0	0	0
0.007966	0.008045	0	0	0	0	0	0
0.997617	0.993808	0	0	0	0	0	0
0.99693	0.98753	0	0	0	0	0	0
0.996991	0.985936	0	0	0	0	0	0
0.127626	0.133487	0	0	0	0	0	0
0.141417	0.165658	0	0	0	0	0	0
0.218246	0.100255	0	0	0	0	0	0
0.581742	0.324145	0.12	0	0	0	0	0
0.970904	0.951905	0	0	0	0	0	0
0.982269	0.95416	0	0	0	0	0	0
0.927778	0.571898	0.09	0	0	0	0	0
0.976563	0.966232	0	0	0	0	0	0
0.996302	0.960645	0.01	0	0	0	0	0
0.276853	0.053845	0.12	0	0	0	4	4
0.991743	0.993478	0	0	0	0	0	0
0.95163	0.64655	0.19	0	0	0	0	0
0.908274	0.962998	0	0	0	0	1	1
0.049352	0.1104	0	0	0	0	0	0
0.988213	0.977735	0	0	0	0	0	0
0.991453	0.967286	0	0	0	0	0	0
0.976894	0.979959	0	0	0	0	0	0
0.144009	0.227586	0	0	0	0	0	0
0.007176	0.020386	0	0	0	0	0	0
0.00621	0.061314	0	0	0	0	0	0
0.997766	0.996081	0	0	0	0	0	0
0.99878	0.996275	0	0	0	0	0	0
0.999187	0.996089	0	0	0	0	0	0
0.999285	0.998225	0	0	0	0	0	0
0.999348	0.998743	0	0	0	0	0	0
0.999046	0.996596	0	0	0	0	0	0
0.999227	0.997049	0	0	0	0	0	0
0.007318	0.001728	0	0	0	0	0	0

0.997259	0.998067	0	0	0	0	0	0
0.998341	0.998417	0	0	0	0	0	0
0.999076	0.996988	0	0	0	0	0	0
0.998208	0.998976	0	0	0	0	0	0
0.996673	0.999396	0	0	0	0	0	0
0.993981	0.998052	0	0	0	0	0	0
0.001894	0.007611	0	0	0	0	0	0
0.987046	0.972769	0	0	0	0	0	0
0.982041	0.973765	0	0	0	0	0	0
0.988704	0.986535	0	0	0	0	0	0
0.997303	0.994024	0	0	0	0	0	0
0.997435	0.997925	0	0	0	0	0	0
0.99953	0.999583	0	0	0	0	0	0
0.999576	0.999699	0	0	0	0	0	0
0.994206	0.997794	0	0	0	0	0	0
0.753244	0.861802	0	0	0	0	0	0
0.052151	0.039187	0	0	0	0	0	0
0.960673	0.963729	0	0	0	0	0	0
0.965342	0.907053	0	0	0	0	0	0
0.006192	0.002898	0	0	0	0	0	0
0.989371	0.991846	0	0	0	0	0	0
0.996541	0.995418	0	0	0	0	0	0
0.017243	0.071471	0	0	0	0	0	0
0.983446	0.99247	0	0	0	0	0	0
0.993445	0.991835	0	0	0	0	0	0
0.984964	0.989713	0	0	0	0	0	0
0.991185	0.993847	0	0	0	0	0	0
0.991237	0.991192	0	0	0	0	0	0
0.996074	0.994041	0	0	0	0	0	0
0.028847	0.018761	0	0	0	0	0	0
0.992546	0.994968	0	0	0	0	0	0
0.990664	0.995812	0	0	0	0	0	0
0.018572	0.014746	0	0	0	0	0	0
0.975894	0.994378	0	0	0	0	0	0
0.990199	0.995825	0	0	0	0	0	0
0.986206	0.991756	0	0	0	0	0	0
0.989619	0.994382	0	0	0	0	0	0
0.992948	0.986529	0	0	0	0	0	0
0.985157	0.990084	0	0	0	0	4	4
0.98765	0.997809	0	4	0	0	0	0
0.025273	0.053116	0	0	0	0	0	0
0.423085	0.279502	0	0	0	0	0	0
0.99399	0.989145	0	0	0	0	0	0
0.023809	0.047687	0	0	0	0	0	0
0.660053	0.738095	0	0	0	0	0	0
0.995214	0.981725	0	0	0	0	0	0
0.995025	0.984897	0	0	0	0	0	0

0.994988	0.984736	0	0	0	0	0	0
0.994174	0.984129	0	0	0	0	0	0
0.994369	0.981523	0	0	0	0	6	0
0.993529	0.987346	0	0	1	1	0	0
0.015431	0.018186	0	0	0	0	0	0
0.995501	0.989029	0	0	0	0	0	0
0.99501	0.994494	0	0	0	0	0	0
0.996067	0.993642	0	0	0	0	0	0
0.994088	0.990534	0	0	0	0	0	0
0.993857	0.991474	0	0	0	0	0	0
0.993284	0.978098	0	0	0	0	0	0
0.006867	0.010285	0	0	0	0	0	0
0.006185	0.019238	0	0	0	0	0	0
0.993857	0.984353	0	0	0	0	0	0
0.995583	0.986119	0	0	0	0	0	0
0.994725	0.981863	0	0	0	0	0	0
0.995087	0.979317	0	0	0	0	0	0
0.993228	0.981629	0	0	0	0	0	0
0.991366	0.984054	0	0	0	0	0	0
0.010028	0.014673	0	0	0	0	0	0
0.005506	0.017756	0	0	0	0	0	0
0.012821	0.015348	0	0	0	0	0	0
0.99188	0.991756	0	0	0	0	0	0
0.993192	0.994951	0	0	0	0	0	0
0.031169	0.046175	0	0	0	0	0	0
0.013884	0.016327	0	0	0	0	0	0
0.884225	0.958862	0.03	0	0	0	0	0
0.995434	0.996904	0	0	0	0	0	0
0.998905	0.990111	0	0	0	0	0	0
0.998983	0.994925	0	0	0	0	0	0
0.964677	0.92086	0	0	0	0	0	0
0.991709	0.992864	0	0	0	0	0	0
0.996576	0.996503	0	0	0	0	0	0
0.995964	0.99641	0	0	0	0	0	0
0.995138	0.996077	0	0	0	0	0	0
0.978033	0.988447	0	0	0	0	0	0
0.941654	0.87784	0.02	0	0	0	0	0
0.01753	0.022893	0	0	0	0	0	0
0.570564	0.487664	0	0	0	0	0	0
0.992792	0.994268	0	0	0	0	0	0
0.993415	0.994559	0	0	0	0	0	0
0.984852	0.966653	0	0	0	0	0	0
0.988575	0.994502	0	0	0	0	0	0
0.988949	0.993951	0	0	0	0	0	0
0.990006	0.993921	0	0	0	0	0	0
0.017431	0.021348	0	0	0	0	0	0
0.968946	0.976547	0	0	0	0	0	0

0.976957	0.965559	0	0	0	0	0	0
0.975601	0.95752	0	0	0	0	0	0
0.979078	0.969503	0	0	0	0	0	0
0.977949	0.962826	0	0	0	0	0	0
0.111363	0.152933	0	0	0	0	0	0
0.031624	0.018549	0	0	0	0	0	0
0.063755	0.079594	0	0	0	0	0	0
0.092481	0.111293	0	0	0	0	0	0
0.988239	0.939036	0	0	0	0	0	0
0.968962	0.986613	0	0	0	0	0	0
0.972754	0.977104	0	0	0	0	0	0
0.998108	0.998572	0	0	0	0	0	0
0.998546	0.998686	0	5	0	0	0	0
0.964602	0.990762	0	0	0	2	0	0
0.986453	0.984529	0	0	0	0	0	0
0.987836	0.988277	0	0	0	0	0	0
0.044053	0.143266	0	0	0	0	0	0
0.04487	0.118818	0	0	0	0	0	0
0.046415	0.048052	0	0	0	0	0	0
0.979904	0.987834	0	0	0	0	0	0
0.978345	0.989979	0	0	0	0	0	0
0.979848	0.990177	0	0	0	0	0	0
0.975544	0.948475	0	0	0	0	0	0
0.990347	0.970561	0	0	0	0	0	0
0.950297	0.95202	0	0	0	0	0	0
0.949089	0.934457	0	0	0	0	0	0
0.9968	0.987517	0	0	0	0	0	0
0.380381	0.252195	0	0	0	0	0	0
0.090612	0.069892	0	0	0	0	0	0
0.983663	0.978766	0	0	3	0	0	0
0.43043	0.042883	0.31	0	3	3	0	0
0.01583	0.002963	0	0	3	0	0	0
0.012135	0.001383	0.01	0	3	0	0	0
0.013093	0.001665	0	0	3	0	3	0
0.011812	0.001656	0	0	3	0	0	0
0.015265	0.002032	0	0	3	0	0	0
0.999384	0.999576	0	0	0	0	0	0
0.999219	0.999525	0	0	0	0	0	0
0.995401	0.99208	0	0	0	0	0	0
0.996948	0.986855	0	0	0	0	0	0
0.980506	0.902552	0	0	0	0	0	0
0.96644	0.984179	0	0	0	0	0	0
0.871663	0.816938	0	0	0	0	0	0
0.99846	0.991167	0	0	0	0	0	0
0.003761	0.006803	0	0	0	0	0	0
0.998982	0.997257	0	0	0	0	0	0
0.998719	0.997956	0	0	0	0	0	0

0.996171	0.997603	0	0	0	0	0	0
0.994491	0.994239	0	0	0	0	0	0
0.988456	0.89485	0.04	0	0	0	0	0
0.004936	0.011227	0	0	0	0	0	0
0.990497	0.978023	0	0	0	0	0	0
0.976143	0.987164	0	0	0	0	0	0
0.943547	0.969333	0	0	0	0	0	0
0.135361	0.036372	0	0	0	0	0	0
0.953114	0.9612	0	0	0	0	0	0
0.970646	0.930777	0	0	0	0	0	0
0.943867	0.773395	0	0	20	0	0	0
0.000263	0.000815	0	0	0	0	0	0
0.998978	0.997686	0	0	0	0	0	0
0.001571	0.006253	0	0	0	0	0	0
0.004559	0.006704	0	0	0	0	0	0
0.993493	0.945233	0	0	0	0	0	0
0.96102	0.957742	0	0	0	0	0	0
0.991904	0.972077	0	0	0	0	0	0
0.985746	0.946348	0	0	0	0	0	0
0.904992	0.843952	0	0	0	0	0	0
0.89515	0.828291	0	0	0	0	0	0
0.963533	0.976197	0	0	0	0	0	0
0.994355	0.938307	0.01	0	0	0	0	0
0.973417	0.988063	0	0	0	0	0	0
0.987359	0.95867	0	0	0	0	0	0
0.982842	0.98215	0	0	0	0	0	0
0.036805	0.15913	0	0	0	0	0	0
0.474076	0.129679	0.2	0	0	0	0	0
0.986355	0.971082	0	0	0	0	0	0
0.984046	0.949512	0	0	0	0	0	0
0.979882	0.955004	0	0	0	0	0	0
0.992053	0.981482	0	0	0	0	0	0
0.571206	0.567281	0	0	0	0	0	0
0.556177	0.549044	0	0	0	0	0	0
0.996532	0.995517	0	0	0	0	0	0
0.996967	0.99458	0	0	0	0	0	0
0.996582	0.982824	0	0	0	0	0	0
0.996635	0.995194	0	0	0	0	0	0
0.017797	0.033702	0	0	0	0	0	0
0.997663	0.996528	0	0	0	0	0	0
0.997866	0.995315	0	0	0	0	0	0
0.282303	0.093895	0.05	0	0	0	0	0
0.978299	0.985285	0	0	0	0	0	0
0.973589	0.889885	0	0	0	0	0	0
0.992066	0.984875	0	0	0	0	0	0
0.174338	0.082456	0	0	27	0	3	3
0.997119	0.997699	0	0	0	0	0	0

0.816458	0.656969	0.03	0	0	0	0	0
0.986615	0.985364	0	0	0	0	0	0
0.11061	0.083278	0	0	0	0	4	4
0.985575	0.957252	0	0	0	0	0	0
0.982935	0.961049	0	0	0	0	0	0
0.022377	0.066131	0	0	0	0	0	0
0.686655	0.723585	0	0	0	0	0	0
0.990731	0.975766	0	0	0	0	0	0
0.828391	0.507509	0	0	0	0	0	0
0.990708	0.985559	0	0	0	0	0	0
0.983542	0.931276	0	0	0	0	0	0
0.017048	0.029776	0	0	0	0	0	0
0.991442	0.988597	0	0	0	0	0	0
0.979497	0.975015	0	0	0	0	0	0
0.985847	0.97019	0	0	0	0	0	0
0.989915	0.980067	0	0	0	0	0	0
0.829351	0.912457	0	0	0	0	0	0
0.993726	0.997014	0	0	0	0	0	0
0.979474	0.965758	0	0	0	0	0	0
0.981044	0.972458	0	0	0	0	0	0
0.989266	0.97028	0	0	0	0	0	0
0.982119	0.811985	0	0	0	0	0	0
0.951017	0.95701	0	0	0	0	0	0
0.944914	0.971322	0	0	0	0	0	0
0.954705	0.981818	0	0	0	0	0	0
0.996764	0.995815	0	0	0	0	0	0
0.99572	0.997068	0	0	0	0	0	0
0.980164	0.912898	0.01	0	0	0	0	0
0.994515	0.995192	0	0	0	0	0	0
0.992136	0.996113	0	0	0	0	0	0
0.998929	0.997413	0	0	0	0	0	0
0.999322	0.996802	0	0	0	0	0	0
0.011269	0.010086	0	0	0	0	0	0
0.972562	0.981268	0	0	0	0	0	0
0.166642	0.088334	0	0	0	0	0	0
0.986188	0.970727	0	0	0	0	0	0
0.985689	0.952507	0	0	0	0	0	0
0.973987	0.967741	0	0	0	0	0	0
0.974213	0.952089	0	0	0	0	0	0
0.02527	0.105126	0	0	0	0	0	0
0.987734	0.95036	0	0	0	0	0	0
0.987739	0.993427	0	0	0	0	0	0
0.999433	0.99966	0	0	0	0	0	0
0.999396	0.999466	0	0	0	0	0	0
0.955476	0.950466	0	0	0	0	0	0
0.969697	0.957621	0	0	0	0	0	0
0.99275	0.992109	0	0	0	0	0	0

0.986794	0.994198	0	0	0	0	0	0
0.98716	0.994411	0	0	0	0	0	0
0.986549	0.985529	0	0	0	0	0	0
0.976394	0.969184	0	0	0	0	0	0
0.801821	0.959445	0	0	0	0	0	0
0.959067	0.89713	0	0	0	0	0	0
0.968192	0.940398	0	0	0	0	0	0
0.967202	0.927845	0	0	0	0	0	0
0.978218	0.978324	0	0	0	0	0	0
0.958894	0.965569	0	0	0	0	0	0
0.984176	0.934206	0	0	0	0	0	0
0.015968	0.038076	0	0	0	0	0	0
0.994756	0.992741	0	0	0	0	0	0
0.944924	0.977367	0	0	0	0	0	0
0.958046	0.950936	0	0	0	0	0	0
0.998767	0.996495	0	0	0	0	0	0
0.998924	0.997684	0	0	0	0	0	0
0.998798	0.996194	0	0	0	0	0	0
0.999211	0.981975	0	0	0	0	0	0
0.933723	0.973325	0.01	0	0	0	0	0
0.982187	0.998294	0	0	0	0	0	0
0.995185	0.998051	0	0	0	0	0	0
0.999133	0.998589	0	0	0	0	0	0
0.981718	0.996384	0.01	0	0	0	0	0
0.9963	0.993112	0	0	0	0	0	0
0.995336	0.969907	0	0	0	0	0	0
0.988748	0.983926	0	0	0	0	0	0
0.995355	0.985937	0	0	0	0	0	0
0.019438	0.028724	0	0	0	0	0	0
0.243056	0.089924	0.02	0	0	0	0	0
0.98445	0.97618	0	0	0	0	0	0
0.003755	0.002504	0	2	0	0	0	0
0.9917	0.989535	0	0	0	0	0	0
0.99439	0.995807	0	0	0	0	0	0
0.972764	0.985866	0	0	0	0	0	0
0.979705	0.988531	0	0	0	0	0	0
0.850622	0.681086	0	0	0	0	0	0
0.836526	0.678695	0	0	0	0	0	0
0.988106	0.906286	0	0	0	0	0	0
0.046105	0.020801	0	0	0	0	0	0
0.037156	0.025002	0	0	0	0	0	0
0.955866	0.907854	0	0	0	0	0	0
0.864302	0.14956	0.32	0	0	0	0	0
0.015673	0.052829	0	0	0	0	0	0
0.889525	0.987957	0.03	0	0	0	0	0
0.9913	0.985864	0	0	0	0	0	0
0.837166	0.72344	0	0	0	0	0	0

0.994251	0.92077	0	0	0	0	0	0
0.987409	0.70666	0.16	0	0	0	0	0
0.9855	0.755292	0.13	0	0	0	0	0
0.980066	0.807337	0.09	0	0	0	0	0
0.036186	0.028469	0	0	0	0	1	1
0.015897	0.006195	0	0	0	0	0	0
0.941032	0.942915	0	0	0	0	0	0
0.970876	0.938946	0	0	0	0	0	0
0.979973	0.992056	0	0	0	0	0	0
0.981397	0.987458	0	0	0	0	0	0
0.979567	0.982606	0	0	0	0	0	0
0.980951	0.987924	0	0	0	0	0	0
0.975157	0.972295	0	0	0	0	0	0
0.985235	0.931642	0	0	0	0	0	0
0.101188	0.043711	0	0	0	0	0	0
0.988204	0.989518	0	0	0	0	0	0
0.956082	0.949348	0	0	0	0	0	0
0.986519	0.99212	0	0	0	0	0	0
0.035906	0.087815	0	0	0	0	0	0
0.980717	0.936831	0	0	0	0	0	0
0.224467	0.503085	0	0	0	0	0	0
0.074359	0.457108	0.16	0	0	0	0	0
0.981007	0.9214	0	0	0	0	0	0
0.246781	0.207748	0	0	0	0	0	0
0.972618	0.986168	0	0	0	0	0	0
0.401076	0.104414	0.21	0	0	0	0	0
0.996578	0.988687	0	0	0	0	0	0
0.987961	0.997701	0	0	0	0	0	0
0.003448	0.001013	0	0	0	0	0	0
0.025227	0.009605	0	0	0	0	0	0
0.993495	0.992966	0	0	0	0	0	0
0.996635	0.997184	0	0	0	0	0	0
0.935885	0.988263	0.01	0	0	0	0	0
0.021221	0.020589	0	0	0	0	0	0
0.99626	0.992331	0	0	0	0	0	0
0.992999	0.982797	0	0	0	0	0	0
0.979536	0.945255	0	0	0	0	0	0
0.015983	0.005826	0	0	0	0	0	0
0.957661	0.878463	0.04	0	0	0	0	0
0.994759	0.99424	0	0	0	0	0	0
0.930721	0.905547	0	0	0	0	0	0
0.983131	0.968015	0	0	0	0	0	0
0.072004	0.114994	0	0	0	0	0	0
0.968926	0.96557	0	0	0	0	0	0
0.967897	0.946763	0	0	0	0	0	0
0.964468	0.85312	0	0	0	0	0	0
0.954192	0.939467	0	0	0	0	0	0

0.980248	0.88541	0	0	0	0	0	0
0.971124	0.93741	0	0	0	0	0	0
0.986441	0.985248	0	0	0	0	0	0
0.984554	0.962886	0	0	0	0	0	0
0.936925	0.914034	0	0	0	0	0	0
0.888697	0.456521	0.07	0	0	0	0	0
0.945547	0.834362	0.07	0	0	0	0	0
0.991181	0.962325	0	0	0	0	0	0
0.976963	0.910718	0	0	0	0	0	0
0.993392	0.870362	0.02	0	0	0	0	0
0.980145	0.973925	0	0	0	0	0	0
0.03283	0.039546	0	0	0	0	0	0
0.033963	0.040315	0	0	0	0	0	0
0.983543	0.933832	0	0	0	0	0	0
0.04467	0.044489	0	0	0	0	0	0
0.98182	0.923854	0	0	0	0	0	0
0.975198	0.989746	0	0	0	0	0	0
0.981414	0.987037	0	0	0	0	0	0
0.987291	0.970029	0	0	0	0	0	0
0.969369	0.692562	0.06	0	0	0	0	0
0.977661	0.935702	0	0	0	0	0	0
0.972378	0.961768	0	0	0	0	0	0
0.983442	0.989923	0	0	0	0	0	0
0.88821	0.958832	0	0	0	0	0	0
0.984272	0.987303	0	0	0	0	0	0
0.505992	0.640364	0	0	0	0	0	0
0.967299	0.914892	0	0	0	0	0	0
0.914344	0.708409	0	0	0	0	0	0
0.955554	0.96557	0	0	0	0	0	0
0.993929	0.99412	0	0	0	0	0	0
0.992239	0.983696	0	0	0	0	0	0
0.015513	0.019295	0	0	0	0	0	0
0.993672	0.987145	0	0	0	0	0	0
0.532513	0.853639	0.16	0	0	0	0	0
0.992632	0.979832	0	0	0	0	0	0
0.971126	0.962926	0	0	0	0	0	0
0.030035	0.006237	0	0	0	0	0	0
0.972866	0.973588	0	0	0	0	0	0
0.061447	0.026212	0	0	0	0	0	0
0.973962	0.97263	0	0	0	0	0	0
0.99926	0.997361	0	0	0	0	0	0
0.988449	0.993975	0	0	0	0	0	0
0.985647	0.99233	0	0	0	0	0	0
0.988769	0.989135	0	0	0	0	0	0
0.9686	0.916378	0	0	0	0	0	0
0.026272	0.06961	0	0	0	0	0	0
0.115872	0.238302	0	0	0	0	0	0

0.019582	0.035841	0	0	0	0	0	0
0.078696	0.597361	0.27	0	0	0	0	0
0.989025	0.970311	0	0	0	0	0	0
0.970588	0.990726	0	0	0	0	0	0
0.579922	0.452242	0	0	0	0	0	0
0.791549	0.860748	0	0	0	0	0	0
0.512229	0.697966	0	0	0	0	0	0
0.995636	0.983031	0	0	0	0	0	0
0.992638	0.98815	0	0	0	0	0	0
0.99722	0.996418	0	0	0	0	0	3
0.997307	0.996792	0	0	0	0	0	0
0.997143	0.997545	0	0	0	0	0	0
0.971195	0.983266	0	0	0	0	0	0
0.977511	0.983013	0	0	0	0	0	0
0.985391	0.914404	0.01	0	0	0	0	0
0.993345	0.98999	0	0	0	0	0	0
0.993992	0.994538	0	0	0	0	0	0
0.992432	0.989348	0	0	0	0	0	0
0.995835	0.940781	0.02	0	0	0	0	0
0.994779	0.794052	0.11	0	0	0	0	0
0.966778	0.939424	0.03	0	0	0	0	0
0.998837	0.990607	0	0	0	0	0	0
0.984549	0.977179	0	0	0	0	0	0
0.99062	0.982998	0	0	0	0	0	0
0.995157	0.973982	0	0	0	0	0	0
0.012818	0.052487	0	0	0	0	0	0
0.992866	0.980497	0	0	0	0	0	0
0.995529	0.978222	0	0	0	0	0	0
0.007147	0.020629	0	0	0	0	0	0
0.010072	0.019512	0	0	0	0	0	0
0.009729	0.048383	0	0	0	0	0	0
0.993644	0.990031	0	0	0	0	0	0
0.992751	0.985423	0	0	0	0	0	0
0.986545	0.873215	0	0	0	0	0	0
0.995628	0.997184	0	0	0	0	0	0
0.885068	0.909297	0	0	0	0	0	0
0.987651	0.816424	0.03	0	0	0	0	0
0.989254	0.921	0	0	0	0	0	0
0.991154	0.944773	0	0	0	0	0	0
0.958844	0.971138	0	0	4	0	0	0
0.033975	0.060708	0	0	0	0	0	0
0.040004	0.041455	0	0	0	0	0	0
0.099499	0.272577	0.09	0	0	0	0	0
0.967051	0.928063	0	0	0	0	0	0
0.998298	0.986396	0	0	0	0	0	0
0.990867	0.990815	0	0	0	0	0	0
0.990956	0.993879	0	0	0	0	0	0

0.992826	0.931955	0.02	0	0	0	0	0
0.995427	0.992435	0	0	0	0	0	0
0.999534	0.999658	0	0	0	0	0	0
0.979047	0.967143	0	0	0	0	0	0
0.997294	0.995569	0	0	0	0	0	0
0.966599	0.849215	0	0	0	0	0	0
0.979838	0.934975	0	0	0	0	0	0
0.013581	0.032333	0	0	0	0	0	0
0.880048	0.721813	0.02	0	0	0	0	0
0.981405	0.985235	0	0	0	0	0	0
0.971273	0.963805	0	0	0	0	0	0
0.992637	0.963589	0	0	0	0	0	0
0.983631	0.921906	0	0	0	0	0	0
0.990932	0.951636	0	0	0	0	0	0
0.038252	0.234229	0.04	0	0	0	0	0
0.996417	0.991441	0	0	0	0	0	0
0.99471	0.976701	0	0	0	0	0	0
0.835688	0.97123	0	0	0	0	0	0
0.730744	0.260848	0.16	0	0	0	0	0
0.976099	0.947971	0	0	0	0	0	0
0.997359	0.995474	0	0	0	0	0	0
0.987044	0.920515	0	0	0	0	0	0
0.995696	0.955867	0	0	0	0	0	0
0.997373	0.957888	0	0	0	0	0	0
0.468449	0.26458	0	0	0	0	0	0
0.996669	0.972726	0	0	0	0	0	0
0.489582	0.183405	0.05	0	0	0	0	0
0.912132	0.467539	0.32	0	0	0	0	0
0.997608	0.993296	0	0	0	0	0	0
0.940581	0.385389	0.41	0	0	0	0	0
0.563532	0.479182	0	0	0	0	0	0
0.003771	0.030285	0	0	0	0	0	0
0.358053	0.566993	0	0	0	0	0	0
0.043087	0.047038	0	0	0	0	0	0
0.994505	0.938924	0	0	0	0	0	0
0.138065	0.539531	0.13	0	0	0	0	0
0.447277	0.661203	0	0	0	0	0	0
0.009107	0.025335	0	0	0	0	0	0
0.996281	0.99174	0	0	0	0	0	0
0.021759	0.05421	0	0	0	0	0	0
0.00653	0.0262	0	0	0	0	0	0
0.015348	0.031612	0	0	0	0	0	0
0.38823	0.302385	0	0	0	0	0	0
0.013487	0.014543	0	0	0	0	0	0
0.99096	0.977329	0	0	0	0	0	0
0.993519	0.983131	0	0	0	0	0	0
0.908006	0.833541	0	0	0	0	0	0

0.910997	0.966976	0	0	0	0	0	0
0.057458	0.517358	0.25	0	0	0	0	0
0.917202	0.980191	0	0	0	0	0	0
0.894851	0.972426	0	0	0	0	0	0
0.873993	0.942876	0	0	0	0	0	0
0.883347	0.960417	0	0	0	0	0	0
0.901279	0.979316	0	0	0	0	0	0
0.915819	0.979857	0	0	0	0	0	0
0.209252	0.328537	0	0	0	0	0	0
0.013553	0.040982	0	0	0	0	0	0
0.884358	0.964171	0	0	0	0	0	0
0.993776	0.983777	0	0	0	10	0	0
0.99267	0.97427	0	0	0	0	0	0
0.990385	0.979944	0	0	0	0	0	0
0.993386	0.985568	0	0	0	0	0	0
0.993369	0.982255	0	0	0	0	0	0
0.026944	0.041819	0	0	0	0	0	0
0.99423	0.990697	0	0	0	0	0	0
0.022471	0.023361	0	0	0	0	0	0
0.288531	0.488352	0.01	0	0	0	0	0
0.029522	0.03566	0	0	0	0	0	0
0.987385	0.987563	0	0	0	0	0	0
0.984125	0.967092	0	0	0	0	0	0
0.984108	0.980801	0	0	0	0	0	0
0.985013	0.988533	0	0	0	0	0	0
0.985771	0.977126	0	0	0	0	0	0
0.979768	0.968432	0	0	0	0	0	0
0.06077	0.48739	0.14	0	0	0	0	0
0.023716	0.057795	0	0	0	0	0	0
0.988955	0.985191	0	0	0	0	0	0
0.01364	0.048365	0	0	0	0	0	0
0.992034	0.976446	0	0	0	0	0	0
0.990079	0.986158	0	0	0	0	0	0
0.989954	0.984965	0	0	0	0	0	0
0.995594	0.99425	0	0	0	0	0	0
0.996821	0.995874	0	0	0	0	0	0
0.995853	0.945002	0	0	0	0	0	0
0.989437	0.977599	0	0	0	0	0	0
0.980623	0.974451	0	0	0	0	0	0
0.276401	0.259384	0	0	0	0	0	0
0.030352	0.146733	0	0	0	0	0	0
0.976076	0.989252	0	0	0	0	0	0
0.981334	0.991815	0	0	0	0	0	0
0.987741	0.978447	0	0	0	0	0	0
0.05016	0.015641	0	0	0	0	0	0
0.982525	0.990563	0	0	0	0	0	0
0.96572	0.953796	0	0	0	0	0	0

0.979186	0.986852	0	0	0	0	0	0
0.977535	0.982035	0	0	0	0	0	0
0.985034	0.965144	0	0	0	0	0	0
0.021789	0.025155	0	0	0	0	0	0
0.994471	0.988185	0	0	0	0	0	0
0.995163	0.988616	0	0	0	0	0	0
0.01676	0.080648	0	0	0	0	0	0
0.022811	0.164214	0.01	0	0	0	0	0
0.991587	0.964976	0	0	0	0	0	0
0.991092	0.962037	0	0	0	0	0	0
0.994078	0.982037	0	0	0	0	0	0
0.994729	0.992594	0	0	0	0	0	0
0.994427	0.992619	0	0	0	0	0	0
0.816406	0.967118	0.01	0	0	0	0	0
0.010448	0.004016	0	0	0	0	0	0
0.03688	0.061541	0	0	0	0	0	0
0.986462	0.989222	0	0	0	0	16	4
0.302572	0.130666	0.07	10	7	0	3	0
0.158874	0.24226	0	10	7	0	8	8
0.989898	0.993776	0	10	7	14	10	0
0.9881	0.986492	0	0	0	0	0	0
0.016958	0.025937	0	0	0	0	0	0
0.996881	0.997709	0	0	0	0	0	0
0.973465	0.98617	0	0	0	0	0	0
0.990128	0.93601	0	0	0	0	0	0
0.997368	0.990577	0	0	0	0	0	0
0.260072	0.348059	0	0	0	0	0	0
0.996625	0.995586	0	0	0	0	0	0
0.061791	0.018819	0	0	0	0	0	0
0.981752	0.986347	0	0	0	0	0	0
0.956799	0.969591	0	0	0	0	0	0
0.981047	0.974002	0	0	0	0	0	0
0.981206	0.988618	0	0	0	0	0	0
0.995699	0.994703	0	0	0	0	0	0
0.006152	0.003837	0	0	0	0	0	0
0.142852	0.256724	0	0	0	0	0	0
0.010194	0.003522	0	0	0	0	0	0
0.993982	0.99874	0	0	0	0	0	0
0.012396	0.003295	0	0	0	0	0	0
0.99263	0.961814	0	0	0	0	0	0
0.90202	0.913581	0	0	0	0	0	0
0.992395	0.994085	0	0	0	0	0	0
0.981787	0.974405	0	0	0	0	0	0
0.99158	0.986229	0	0	0	0	0	0
0.992301	0.994889	0	0	0	0	0	0
0.983498	0.982508	0	0	0	0	0	0
0.085789	0.107749	0	0	0	0	0	0

0.349201	0.152055	0.06	0	0	0	0	0
0.022119	0.027031	0	0	0	0	0	0
0.99681	0.976231	0	0	0	0	0	0
0.968136	0.969923	0	0	0	0	0	0
0.996978	0.987176	0	0	0	0	0	0
0.996661	0.982764	0	0	0	0	0	0
0.981622	0.962583	0	0	0	0	0	0
0.420151	0.16124	0.09	0	0	0	0	0
0.999752	0.999706	0	0	0	0	0	0
0.943683	0.948404	0	0	0	0	0	0
0.999229	0.99972	0	0	0	0	0	0
0.963554	0.943709	0	0	0	0	0	0
0.522343	0.252102	0.01	0	0	0	0	0
0.973821	0.906041	0	0	0	0	0	0
0.955272	0.953872	0	0	0	0	0	0
0.940604	0.953775	0	0	0	0	0	0
0.941763	0.9404	0	0	0	0	0	0
0.94789	0.956293	0	0	0	0	0	0
0.52742	0.891214	0	0	0	0	0	0
0.872177	0.920343	0	0	0	0	0	0
0.786098	0.919443	0	0	0	0	0	0
0.97442	0.965282	0	0	0	0	0	0
0.976312	0.96902	0	0	0	0	0	0
0.979056	0.963708	0	0	0	0	0	0
0.778346	0.969361	0.03	0	0	0	0	0
0.984895	0.981162	0	0	0	0	0	0
0.048242	0.051307	0	0	0	0	0	0
0.984386	0.91721	0	0	0	0	0	0
0.979292	0.949631	0	0	0	0	0	0
0.982151	0.969404	0	0	0	0	0	0
0.987287	0.981108	0	0	0	0	0	0
0.909256	0.835345	0	0	0	0	0	0
0.918965	0.864284	0	0	0	0	0	0
0.981941	0.935365	0	0	0	0	0	0
0.977593	0.98161	0	0	0	0	0	0
0.01353	0.014728	0	0	0	0	0	0
0.012577	0.033493	0	0	0	0	0	0
0.987532	0.980868	0	0	0	0	0	0
0.978316	0.9886	0	0	0	0	0	0
0.991018	0.970655	0	0	0	0	0	0
0.990601	0.984643	0	0	0	0	0	0
0.983442	0.98093	0	0	0	0	0	0
0.981986	0.933171	0	0	0	0	0	0
0.979874	0.943169	0	0	0	0	0	0
0.992043	0.94949	0	0	0	0	0	0
0.99413	0.969535	0	0	0	0	0	0
0.99414	0.965588	0	0	0	0	0	0

0.994271	0.973428	0	0	0	0	0	0
0.994225	0.958485	0	0	0	0	0	0
0.984967	0.878564	0.01	0	0	0	0	0
0.988396	0.978156	0	0	0	0	0	0
0.994733	0.922906	0	0	0	0	0	0
0.974723	0.872758	0	0	0	0	0	0
0.989542	0.962966	0	0	0	0	0	0
0.991192	0.899177	0	0	0	0	0	0
0.993861	0.935405	0	0	0	0	0	0
0.76265	0.901899	0	0	0	0	0	0
0.99419	0.986858	0	0	0	0	0	0
0.979459	0.982317	0	0	0	0	0	0
0.003456	0.006893	0	0	0	0	0	0
0.601963	0.512755	0	0	0	0	0	0
0.992426	0.989995	0	0	0	0	0	0
0.981036	0.894751	0	0	0	0	0	0
0.993852	0.994906	0	0	0	0	0	0
0.995663	0.992906	0	0	0	0	0	0
0.99495	0.996609	0	0	0	0	0	0
0.996017	0.996042	0	0	0	0	0	0
0.99514	0.990317	0	0	0	0	0	0
0.994341	0.992039	0	0	0	0	0	0
0.98209	0.987347	0	0	0	0	0	0
0.048251	0.15003	0	0	0	0	0	0
0.959272	0.893667	0	0	0	0	0	0
0.918221	0.95402	0	0	0	0	0	0
0.823349	0.946025	0	0	0	0	0	0
0.462739	0.420098	0	0	0	0	0	0
0.994258	0.983204	0	0	0	0	0	0
0.996938	0.973108	0	0	0	0	0	0
0.007737	0.049678	0	0	0	0	0	0
0.997707	0.916596	0.01	0	0	0	0	0
0.997472	0.978251	0	0	0	0	0	0
0.218142	0.271851	0	0	0	0	0	0
0.925617	0.957115	0	0	0	0	0	0
0.946021	0.930391	0	0	0	0	0	0
0.094223	0.058321	0	0	0	0	0	0
0.990789	0.96655	0	0	0	0	0	0
0.029209	0.014912	0	0	0	0	0	0
0.989118	0.97873	0	0	0	0	0	0
0.047473	0.042948	0	0	0	0	0	0
0.98833	0.966611	0	0	0	0	0	0
0.99085	0.924072	0	0	0	0	0	0
0.989972	0.952692	0	0	0	0	0	0
0.9902	0.958151	0	0	0	0	0	0
0.737245	0.650983	0	0	0	0	0	0
0.669561	0.481991	0	0	0	0	0	0

0.657335	0.473073	0	0	0	0	0	0
0.989083	0.960557	0	0	0	0	0	0
0.045676	0.026521	0	0	0	0	0	0
0.976399	0.979808	0	0	0	0	0	0
0.974403	0.760768	0.11	0	0	0	0	0
0.983079	0.81354	0.04	0	0	0	0	0
0.947362	0.93314	0	0	0	0	0	0
0.860817	0.875825	0	0	0	0	0	0
0.95931	0.907154	0	0	0	0	0	0
0.939511	0.96693	0	0	0	0	0	0
0.994498	0.993682	0	0	0	0	0	0
0.987645	0.969528	0	0	0	0	0	0
0.052237	0.051752	0	0	0	0	0	0
0.97024	0.935154	0	0	0	0	0	0
0.987513	0.984007	0	0	0	0	0	0
0.984294	0.951332	0	0	0	0	0	0
0.984225	0.924355	0	0	0	0	0	0
0.290247	0.229979	0	0	0	0	0	0
0.402788	0.327066	0	0	0	0	0	0
0.99099	0.966107	0	0	0	0	0	0
0.994097	0.981714	0	0	0	0	0	0
0.987005	0.992057	0	0	0	0	0	0
0.897968	0.980567	0	0	0	0	0	0
0.991348	0.895791	0.03	0	0	0	0	0
0.89225	0.945441	0	0	0	0	0	0
0.915108	0.77457	0	0	0	0	0	0
0.942944	0.927154	0.02	0	0	0	0	0
0.001697	0.001302	0	0	0	0	0	0
0.998213	0.999571	0	0	0	0	0	0
0.050741	0.14143	0	0	0	0	0	0
0.997883	0.998847	0	0	0	0	0	0
0.998775	0.998101	0	0	0	0	0	0
0.99818	0.999269	0	0	0	0	0	0
0.945339	0.954283	0	0	0	0	0	0
0.980695	0.989649	0	0	0	0	0	0
0.969912	0.950619	0	0	0	0	0	0
0.998391	0.997288	0	0	0	0	0	0
0.995298	0.98461	0	0	0	0	0	0
0.996876	0.996976	0	0	0	0	0	0
0.998892	0.996629	0	0	0	0	0	0
0.688225	0.053445	0.07	0	0	0	0	0
0.625854	0.844617	0	0	0	0	0	0
0.738839	0.939386	0	0	0	0	0	0
0.013561	0.042077	0	0	0	0	0	0
0.003662	0.006723	0	0	0	0	0	0
0.997722	0.999725	0	0	0	0	0	0
0.997712	0.999578	0	0	0	0	0	0

0.019622	0.155061	0.04	0	0	0	0	0
0.017574	0.044518	0	0	0	0	0	0
0.995063	0.969498	0	0	0	0	0	0
0.992776	0.974459	0	0	0	0	0	0
0.985866	0.984003	0	0	0	0	0	0
0.062838	0.00632	0.01	0	0	0	0	0
0.002569	0.01408	0	0	0	0	0	0
0.998632	0.999302	0	0	0	0	0	0
0.998399	0.99836	0	0	0	0	0	0
0.999258	0.999708	0	0	0	0	0	0
0.999331	0.999777	0	0	0	0	6	6
0.998341	0.998206	0	0	0	0	0	0
0.763422	0.898918	0.1	0	0	0	0	0
0.999547	0.999131	0	0	0	0	0	0
0.988194	0.959692	0	0	0	0	0	0
0.996282	0.998985	0	0	0	0	0	0
0.998568	0.984109	0	0	0	0	0	0
0.004787	0.007748	0	0	0	0	0	0
0.786927	0.847574	0	0	0	0	0	0
0.959484	0.963651	0	0	0	0	0	0
0.880837	0.936484	0	0	0	0	0	0
0.948776	0.732473	0.01	0	0	0	0	0
0.96695	0.88702	0	0	0	0	0	0
0.961844	0.884447	0	0	0	0	0	0
0.993681	0.986053	0	0	0	0	0	0
0.991634	0.967206	0	0	0	0	0	0
0.022156	0.042982	0	0	0	0	0	0
0.995616	0.972929	0	0	0	0	0	0
0.013449	0.029358	0	0	0	0	0	0
0.994476	0.991865	0	0	0	0	0	0
0.412241	0.485033	0	0	0	0	0	0
0.993887	0.96122	0	0	0	0	0	0
0.017343	0.026655	0	0	0	0	0	0
0.995822	0.987729	0	0	0	0	0	0
0.997949	0.996378	0	0	0	0	0	0
0.99729	0.976399	0	0	0	0	0	0
0.204966	0.151003	0	0	0	0	0	0
0.998455	0.987133	0	0	0	0	0	0
0.655064	0.396304	0.01	0	0	0	0	0
0.994692	0.990372	0	0	0	0	0	0
0.994385	0.989365	0	0	0	0	0	0
0.99623	0.997795	0	0	0	0	0	0
0.995899	0.99822	0	0	0	0	0	0
0.304331	0.556126	0.04	0	0	0	0	0
0.995261	0.993491	0	0	0	0	0	0
0.599023	0.688117	0	0	0	0	0	0
0.935723	0.961521	0	0	0	0	0	0

0.998258	0.997962	0	0	0	0	0	0
0.0125	0.005338	0	0	0	0	0	0
0.998044	0.759387	0.18	0	0	0	0	0
0.997465	0.723031	0.21	0	0	0	0	0
0.993652	0.96558	0	0	0	0	0	0
0.98863	0.957147	0	0	0	0	0	0
0.99113	0.966671	0	0	0	0	0	0
0.988289	0.965142	0	0	0	0	0	0
0.008343	0.006432	0	0	0	0	0	0
0.990481	0.992644	0	0	0	0	0	0
0.005153	0.005384	0	0	0	0	0	0
0.998524	0.998134	0	0	0	0	0	0
0.997857	0.998037	0	0	0	0	0	0
0.757891	0.701132	0	0	0	0	0	0
0.027584	0.060343	0	0	0	0	0	0
0.987667	0.984888	0	0	0	0	0	0
0.988321	0.987475	0	0	0	0	0	0
0.990263	0.988965	0	0	0	0	0	0
0.99713	0.994671	0	0	0	0	0	0
0.996686	0.991305	0	0	0	0	0	0
0.997172	0.992374	0	0	0	0	0	0
0.004472	0.010023	0	0	0	0	0	0
0.021177	0.02876	0	0	0	0	0	0
0.991276	0.957006	0	0	0	0	0	0
0.011293	0.008481	0	0	0	0	0	0
0.708834	0.884771	0.03	0	0	0	0	0
0.994029	0.987744	0	0	0	0	0	0
0.993849	0.987881	0	0	0	0	0	0
0.994078	0.990787	0	0	0	0	0	0
0.005495	0.005944	0	0	0	0	0	0
0.993058	0.979213	0	0	0	0	0	0
0.987308	0.982126	0	0	0	0	0	0
0.9314	0.907717	0	0	0	0	0	0
0.924443	0.892694	0	0	0	0	0	0
0.967459	0.793504	0.05	0	0	0	0	0
0.962422	0.861298	0.01	0	0	0	0	0
0.987886	0.983059	0	0	0	0	0	0
0.995665	0.95092	0.01	0	0	0	0	0
0.147756	0.052583	0.01	0	0	0	0	0
0.990104	0.989561	0	0	1	0	0	0
0.991516	0.983602	0	0	5	0	0	0
0.014214	0.030772	0	0	0	0	0	0
0.985669	0.987274	0	0	0	0	0	0
0.945693	0.887154	0	0	0	0	0	0
0.013169	0.011388	0	0	0	0	0	0
0.995022	0.934529	0.01	0	0	0	0	0
0.994615	0.937309	0.01	0	0	0	0	0

0.644617	0.217852	0.13	0	0	0	0	0
0.056554	0.03124	0	0	0	0	0	0
0.79187	0.880436	0	0	0	0	0	0
0.967301	0.973435	0	0	0	0	0	0
0.946917	0.86725	0	0	0	0	0	0
0.939823	0.937375	0	0	0	0	0	0
0.886106	0.888345	0	0	0	0	0	0
0.949746	0.879231	0	0	0	0	0	0
0.963875	0.871185	0	0	0	0	0	0
0.997612	0.996569	0	0	0	0	0	0
0.994035	0.992943	0	0	0	0	0	0
0.114721	0.187319	0	0	0	0	0	0
0.995175	0.99743	0	0	0	0	0	0
0.994632	0.997296	0	0	0	0	0	0
0.983903	0.890309	0.02	0	0	0	0	0
0.992302	0.995601	0	0	0	0	0	0
0.988471	0.953779	0	0	0	0	0	0
0.961442	0.966106	0	0	0	0	0	0
0.974331	0.985393	0	0	0	0	0	0
0.975165	0.98779	0	0	0	0	0	0
0.976593	0.989578	0	0	0	0	0	0
0.965806	0.976537	0	0	0	0	0	0
0.058435	0.047249	0	0	0	0	0	0
0.06012	0.062149	0	0	0	0	0	0
0.942454	0.959539	0	0	0	0	0	0
0.968854	0.976234	0	0	0	0	0	0
0.968928	0.921687	0	0	0	0	0	0
0.955986	0.919482	0	0	0	0	0	0
0.935291	0.943035	0	0	0	0	0	0
0.979112	0.972303	0	0	0	0	0	0
0.971034	0.962438	0	0	0	0	0	0
0.965326	0.968793	0	0	0	0	0	0
0.966888	0.96176	0	0	0	0	0	0
0.922849	0.950025	0	0	0	0	0	0
0.975158	0.951451	0	0	0	0	0	0
0.978934	0.962036	0	0	0	0	0	0
0.998029	0.994361	0	0	0	0	0	0
0.031221	0.030866	0	0	0	0	0	0
0.998888	0.998611	0	0	0	0	0	0
0.93989	0.964283	0	0	0	0	0	0
0.943734	0.971701	0	0	0	0	0	0
0.967474	0.983053	0	0	0	0	0	0
0.958851	0.965815	0	0	0	0	0	0
0.935599	0.968718	0	0	0	0	0	0
0.959352	0.957128	0	0	0	0	0	0
0.956092	0.972175	0	0	0	0	0	0
0.964501	0.983975	0	0	0	0	0	0

0.997987	0.997777	0	0	0	0	0	0
0.99843	0.998115	0	0	0	0	0	0
0.999231	0.998895	0	0	0	0	0	0
0.997795	0.988672	0	0	0	0	0	0
0.994021	0.994912	0	0	0	0	0	0
0.003706	0.006655	0	0	0	0	0	0
0.005284	0.036336	0	0	0	0	0	0
0.995888	0.972495	0	0	0	0	0	0
0.005438	0.010889	0	0	0	0	0	0
0.948573	0.992137	0	0	0	0	0	0
0.963482	0.991338	0	0	0	0	0	0
0.954617	0.949603	0	0	0	0	0	0
0.966715	0.911866	0	0	0	0	0	0
0.991258	0.981742	0	0	0	0	0	0
0.090986	0.089601	0	0	0	0	0	0
0.926163	0.972855	0	0	0	0	0	0
0.927229	0.833397	0	0	0	0	0	0
0.956946	0.974379	0	0	0	0	0	0
0.962069	0.974576	0	0	0	0	0	0
0.986431	0.981838	0	0	0	0	0	0
0.961403	0.939162	0	0	0	0	0	0
0.992363	0.99587	0	0	0	0	0	0
0.992213	0.992782	0	0	0	0	0	0
0.874684	0.570799	0.06	0	6	6	0	0
0.989425	0.934457	0	0	0	0	0	0
0.113437	0.081324	0	0	0	0	0	0
0.983752	0.971836	0	0	0	0	0	0
0.979957	0.975873	0	0	0	0	0	0
0.566747	0.849458	0	0	0	0	0	0
0.030808	0.035551	0	0	0	0	0	0
0.27907	0.280718	0	0	0	0	0	0
0.986279	0.986511	0	0	0	0	0	0
0.804788	0.816162	0	0	0	0	0	0
0.038074	0.100519	0	0	0	0	0	0
0.996034	0.994652	0	0	0	0	0	0
0.995442	0.992864	0	0	0	0	0	0
0.992049	0.992447	0	0	0	0	0	0
0.997808	0.996464	0	0	0	0	0	0
0.995122	0.9722	0	0	0	0	0	0
0.934802	0.948865	0	0	0	0	0	0
0.968771	0.966507	0	0	0	0	0	0
0.950416	0.953226	0	0	0	0	0	0
0.036871	0.03752	0	0	0	0	0	0
0.994584	0.992081	0	0	0	0	0	0
0.001716	0.001863	0	0	0	0	0	0
0.959002	0.966909	0	0	0	0	0	0
0.992681	0.98815	0	0	0	0	0	0

0.99419	0.992592	0	0	0	0	0	0
0.937138	0.967494	0	0	0	0	0	0
0.940537	0.977516	0	0	0	0	0	0
0.944035	0.98496	0	0	0	0	0	0
0.941439	0.944094	0	0	0	0	0	0
0.252746	0.536063	0.29	0	0	0	0	0
0.816739	0.870699	0.06	0	0	0	0	0
0.998773	0.997105	0	0	0	0	0	0
0.998968	0.999018	0	0	0	0	0	0
0.994397	0.995202	0	0	0	0	0	0
0.99477	0.982301	0.01	0	0	0	0	0
0.996588	0.995863	0	0	0	0	0	0
0.803318	0.946103	0	0	0	0	0	0
0.961802	0.993354	0	0	0	0	0	0
0.968674	0.950468	0	0	0	0	0	0
0.943968	0.987376	0	0	0	0	0	0
0.985712	0.967432	0	0	0	0	0	0
0.024573	0.02267	0	0	0	0	0	0
0.986514	0.991176	0	0	0	0	0	0
0.988531	0.975767	0	0	0	0	0	0
0.984602	0.976841	0	0	0	0	0	0
0.982841	0.982123	0	0	0	0	0	0
0.951954	0.990075	0	0	0	0	0	0
0.985704	0.951159	0	0	0	0	0	0
0.831126	0.866711	0	0	0	0	0	0
0.998675	0.997777	0	0	0	0	0	0
0.984159	0.993364	0	0	0	0	0	0
0.99711	0.991739	0	0	0	0	0	0
0.998806	0.998272	0	0	0	0	0	0
0.97466	0.968556	0	0	0	0	0	0
0.299014	0.388489	0.01	0	0	0	0	0
0.730877	0.741751	0	0	0	0	0	0
0.367734	0.454601	0.01	0	0	0	0	0
0.99493	0.993994	0	0	0	0	0	0
0.993662	0.991139	0	0	0	0	0	0
0.018081	0.010826	0	0	0	0	0	0
0.98844	0.978722	0	0	0	0	0	0
0.016971	0.032116	0	0	0	0	0	0
0.982691	0.990166	0	0	0	0	0	0
0.990923	0.995695	0	0	0	0	0	0
0.990185	0.989406	0	0	0	0	0	0
0.993861	0.997936	0	0	0	0	0	0
0.956848	0.926514	0	0	0	0	0	0
0.944318	0.981475	0	0	0	0	0	0
0.402247	0.390953	0	0	0	0	0	0
0.996981	0.982243	0	0	0	0	0	0
0.99693	0.991662	0	0	0	0	0	0

0.994684	0.988698	0	0	0	0	0	0
0.99701	0.989934	0	0	0	0	0	0
0.995515	0.98841	0	0	0	0	0	0
0.973885	0.989115	0	0	0	0	0	0
0.085282	0.111096	0	0	0	0	0	0
0.995449	0.990359	0	0	0	0	0	0
0.039156	0.03553	0	0	0	0	0	0
0.0199	0.038219	0	2	0	0	0	0
0.994818	0.97661	0	2	0	0	0	0
0.978804	0.988703	0	0	0	0	0	0
0.089045	0.021888	0.01	0	0	0	0	0
0.994534	0.985206	0	0	0	0	0	0
0.944938	0.967579	0	0	0	0	0	0
0.989083	0.975929	0	0	0	0	0	0
0.979768	0.893275	0	0	0	0	0	0
0.949156	0.875334	0	0	0	0	0	0
0.984689	0.979908	0	0	0	0	0	0
0.98123	0.971439	0	0	0	0	0	0
0.988718	0.962368	0	0	0	0	0	0
0.993526	0.960808	0	0	0	0	0	0
0.994868	0.988749	0	0	0	0	0	0
0.994156	0.98676	0	0	0	0	0	0
0.993619	0.98564	0	0	0	0	0	0
0.990848	0.982679	0	0	0	0	0	0
0.99155	0.982481	0	0	0	0	0	0
0.992747	0.987668	0	0	0	0	0	0
0.984218	0.964413	0	0	0	0	0	0
0.012022	0.019942	0	0	0	0	0	0
0.989656	0.994028	0	0	0	0	0	0
0.97873	0.96085	0	0	0	0	0	0
0.988923	0.981601	0	0	0	0	0	0
0.971623	0.974551	0	0	0	0	0	0
0.976952	0.957512	0	0	0	0	0	0
0.018603	0.006233	0	0	14	3	0	0
0.989391	0.984631	0	0	0	0	0	0
0.991679	0.990984	0	0	0	0	0	0
0.981659	0.990199	0	0	0	0	0	0
0.051683	0.138868	0	0	0	0	0	0
0.996197	0.950988	0	0	3	3	0	0
0.995518	0.94538	0	0	0	0	0	0
0.938602	0.650601	0.02	0	0	0	0	0
0.962798	0.938771	0	0	0	0	0	0
0.985294	0.963972	0	0	0	0	0	0
0.989268	0.966827	0	0	0	0	0	0
0.988324	0.891168	0	0	0	0	0	0
0.990126	0.9782	0	0	0	0	0	0
0.993843	0.986518	0	0	0	0	0	0

0.992314	0.978869	0	0	0	0	0	0
0.011357	0.061631	0	0	0	0	0	0
0.990589	0.954697	0	0	0	0	0	0
0.96404	0.95214	0	0	0	0	0	0
0.992097	0.952106	0	0	0	0	0	0
0.977239	0.951499	0	0	0	0	0	0
0.974615	0.956553	0	0	0	0	0	0
0.982885	0.963809	0	0	0	0	0	0
0.973271	0.95581	0	0	0	0	0	0
0.977025	0.954037	0	0	0	0	0	0
0.982996	0.93807	0	0	0	0	0	0
0.969892	0.943996	0	0	0	0	0	0
0.964784	0.951556	0	0	0	0	0	0
0.873793	0.802284	0	0	0	0	0	0
0.902418	0.883571	0	0	0	0	0	0
0.938606	0.944238	0	0	0	0	0	0
0.994256	0.98281	0	0	0	0	0	0
0.892664	0.632524	0.11	0	0	0	0	0
0.993004	0.934675	0	0	0	0	0	0
0.991142	0.986504	0	0	0	0	0	0
0.998821	0.998739	0	0	0	0	0	0
0.994453	0.994326	0	0	0	0	0	0
0.697716	0.366904	0.15	0	0	0	0	0
0.99346	0.956851	0	0	0	0	0	0
0.181063	0.058275	0.01	0	0	0	0	0
0.994713	0.992369	0	0	0	0	0	0
0.985197	0.665347	0.19	0	0	0	0	0
0.943965	0.138254	0.57	0	0	3	0	0
0.982919	0.990254	0	0	0	0	0	0
0.904283	0.667141	0.04	0	0	0	0	0
0.888431	0.546639	0	0	0	0	0	0
0.957796	0.861721	0	0	0	0	0	0
0.984369	0.986593	0	0	0	0	0	0
0.98728	0.976844	0	0	0	0	0	0
0.037837	0.045132	0	0	0	0	0	0
0.98378	0.980625	0	0	0	0	0	0
0.997535	0.986279	0	0	0	0	0	0
0.997338	0.995492	0	0	0	0	0	0
0.997602	0.996799	0	0	0	0	0	0
0.998373	0.99792	0	0	0	0	0	0
0.931281	0.897352	0	0	0	0	0	0
0.998163	0.997654	0	0	0	0	0	0
0.995089	0.99789	0	0	0	0	0	0
0.989579	0.981878	0	0	0	0	0	0
0.995847	0.995427	0	0	0	0	0	0
0.995973	0.997464	0	0	0	0	0	0
0.993652	0.997077	0	0	0	0	0	0

0.996109	0.997984	0	0	0	0	0	0
0.996124	0.998982	0	0	0	0	0	0
0.020018	0.002655	0	0	0	0	0	0
0.994944	0.992891	0	0	0	0	0	0
0.389887	0.549234	0	0	0	0	0	0
0.988666	0.976194	0	0	0	0	0	0
0.976054	0.983884	0	0	0	0	0	0
0.984211	0.988584	0	0	0	0	0	0
0.979244	0.954952	0	0	0	0	0	0
0.022285	0.008224	0	0	0	0	0	0
0.987818	0.98732	0	0	0	0	8	8
0.974289	0.979107	0	0	0	0	0	0
0.315696	0.181969	0	0	0	1	0	0
0.979836	0.969153	0	0	0	0	0	0
0.98461	0.991946	0	0	0	0	0	0
0.974072	0.991964	0	0	0	0	0	0
0.987332	0.997216	0	0	0	0	0	0
0.986083	0.972308	0	0	0	0	0	0
0.319364	0.1696	0	0	0	0	0	0
0.997701	0.994463	0	0	0	0	0	0
0.997028	0.992897	0	0	0	0	0	0
0.995038	0.99648	0	0	0	0	6	6
0.996437	0.99594	0	0	0	0	0	0
0.99318	0.98009	0	0	0	0	0	0
0.867189	0.894378	0	0	0	0	0	0
0.005034	0.051177	0.01	0	2	11	0	0
0.997522	0.987829	0	0	2	0	0	0
0.0938	0.148557	0	0	0	0	0	0
0.753891	0.596604	0	0	0	0	0	0
0.913167	0.947194	0	0	0	0	0	0
0.979356	0.987751	0	0	0	0	0	0
0.012069	0.025958	0	0	0	0	0	0
0.983839	0.993292	0	0	0	0	0	0
0.99701	0.986647	0	0	0	0	0	0
0.993179	0.995592	0	0	0	0	0	0
0.99131	0.984482	0	0	0	0	0	0
0.991075	0.966747	0.02	0	0	0	0	0
0.661407	0.250779	0.21	0	0	0	0	0
0.997108	0.982106	0	0	0	0	0	0
0.988674	0.948142	0	0	0	0	0	0
0.994192	0.966915	0	0	0	0	0	0
0.317967	0.602945	0.16	0	0	0	0	0
0.92897	0.945577	0	0	0	0	0	0
0.98654	0.987797	0	0	0	0	0	0
0.996974	0.992405	0	0	0	0	0	0
0.992704	0.993479	0	0	0	0	0	0
0.993944	0.986652	0	0	0	0	0	0

0.99085	0.970006	0	0	0	0	0	0
0.972409	0.972342	0	0	0	0	0	0
0.03524	0.028384	0	0	0	0	0	0
0.992221	0.97212	0	0	0	0	0	0
0.98981	0.984905	0	0	0	0	0	0
0.993857	0.977104	0	0	0	0	0	0
0.310983	0.118019	0	0	0	0	0	0
0.99473	0.987267	0	0	0	0	0	0
0.875794	0.874609	0	0	0	0	0	0
0.79354	0.768275	0	0	0	0	0	0
0.055385	0.094149	0	0	0	0	0	0
0.951554	0.845689	0	0	0	0	0	0
0.704611	0.640374	0	0	0	0	0	0
0.977058	0.987919	0	0	0	0	0	0
0.984769	0.988509	0	0	0	0	0	0
0.98352	0.96967	0	0	0	0	0	0
0.68931	0.214502	0.25	0	0	0	0	0
0.987948	0.973371	0	0	0	0	0	0
0.903905	0.981951	0	0	0	0	0	0
0.134705	0.534836	0.24	0	0	0	0	0
0.063037	0.139229	0	0	0	0	0	0
0.030543	0.034667	0	0	0	0	0	0
0.139724	0.339762	0	0	0	0	0	0
0.990689	0.983191	0	0	0	0	0	0
0.876282	0.923598	0	0	0	0	0	0
0.939902	0.942325	0	0	0	0	0	0
0.97884	0.911455	0	0	0	0	0	0
0.994206	0.884663	0.02	0	0	0	0	0
0.983995	0.942178	0	0	0	0	0	0
0.99387	0.978243	0	0	0	0	0	0
0.989058	0.987269	0	0	0	0	0	0
0.996559	0.977881	0	0	0	0	0	0
0.994661	0.991567	0	0	3	3	0	0
0.990184	0.986688	0	0	0	0	0	0
0.005466	0.0084	0	0	0	0	0	0
0.838556	0.422957	0.18	0	0	0	0	0
0.956345	0.975287	0	0	0	0	0	0
0.978838	0.987239	0	0	0	0	0	0
0.981783	0.988991	0	0	0	0	0	0
0.98611	0.991571	0	0	0	0	0	0
0.964429	0.9593	0	2	0	0	0	0
0.971465	0.954565	0	0	0	0	0	0
0.965793	0.765338	0.07	0	0	0	0	0
0.482755	0.521179	0	0	0	0	0	0
0.9214	0.854817	0	0	0	0	0	0
0.941807	0.951276	0	0	0	0	0	0
0.970938	0.961439	0	0	0	0	0	0

0.975809	0.957045	0	0	0	0	0	0
0.989455	0.990786	0	0	0	0	0	0
0.99484	0.987051	0	0	0	0	0	0
0.992135	0.987568	0	0	0	0	0	0
0.991296	0.986791	0	0	0	0	0	0
0.99414	0.991041	0	0	0	0	0	0
0.938544	0.661466	0.05	0	0	0	2	2
0.17638	0.054701	0	2	4	4	0	0
0.989051	0.982619	0	0	0	0	0	0
0.987833	0.825397	0.06	0	0	0	0	0
0.987627	0.986536	0	0	0	0	0	0
0.980463	0.830472	0	0	0	0	0	0
0.944961	0.959045	0	0	0	0	0	0
0.995898	0.994544	0	0	0	0	0	0
0.936743	0.954132	0	0	0	0	0	0
0.982313	0.928155	0	0	0	0	0	0
0.952509	0.941519	0	0	0	0	0	0
0.043346	0.122402	0	0	0	0	0	0
0.976823	0.93819	0	0	0	0	0	0
0.981264	0.973474	0	0	0	0	0	0
0.501768	0.833941	0	0	0	0	0	0
0.962385	0.945571	0	0	0	0	0	0
0.981695	0.962965	0	0	0	0	0	0
0.939497	0.924047	0	0	0	0	0	0
0.951976	0.963054	0	0	0	0	0	0
0.925732	0.97155	0	0	0	0	0	0
0.942153	0.901113	0	0	0	0	0	0
0.959822	0.978945	0	0	0	0	0	0
0.932216	0.939015	0	0	0	0	0	0
0.934452	0.957536	0	0	0	0	0	0
0.977851	0.9373	0	0	0	0	0	0
0.98128	0.934452	0	0	0	0	0	0
0.971566	0.944593	0	0	0	0	0	0
0.965215	0.942134	0	0	0	0	0	0
0.991071	0.990904	0	0	0	0	0	0
0.993062	0.987228	0	0	0	0	0	0
0.010923	0.013882	0	0	0	0	0	0
0.973086	0.99078	0	0	0	0	0	0
0.99264	0.99453	0	0	0	0	0	0
0.011824	0.053264	0	0	0	0	0	0
0.994782	0.996599	0	0	0	0	0	0
0.996337	0.983122	0	0	0	0	0	0
0.010641	0.00633	0	0	0	0	0	0
0.990573	0.266739	0.61	0	0	0	0	0
0.987962	0.985766	0	0	0	0	0	0
0.997253	0.996831	0	0	0	0	0	0
0.684907	0.376772	0	0	0	0	0	0

0.011362	0.023174	0	0	0	0	0	0
0.990598	0.996878	0	0	0	0	0	0
0.114679	0.060433	0	0	0	0	0	0
0.987667	0.960596	0	0	0	0	0	0
0.996904	0.996744	0	0	0	0	0	0
0.993168	0.995131	0	0	0	0	0	0
0.995647	0.995724	0	0	0	0	0	0
0.716294	0.702438	0	0	0	0	0	0
0.997207	0.998447	0	0	0	0	0	0
0.997057	0.998564	0	0	0	0	0	0
0.996193	0.995423	0	0	0	0	0	0
0.992087	0.957247	0	0	0	0	0	0
0.970522	0.983526	0	0	0	0	0	0
0.997522	0.997785	0	0	0	0	0	0
0.997502	0.998994	0	0	0	0	0	0
0.090249	0.349245	0.09	0	0	0	0	0
0.989356	0.978691	0	0	0	0	0	0
0.985633	0.972047	0	0	0	0	0	0
0.960406	0.967829	0	0	0	0	0	0
0.370072	0.182454	0	0	0	0	0	0
0.981061	0.956541	0	0	0	0	0	0
0.983145	0.947911	0	0	0	0	0	0
0.986534	0.97065	0	0	0	0	0	0
0.398518	0.396584	0	0	0	0	0	0
0.996964	0.990568	0	0	0	0	0	0
0.985741	0.972141	0	0	0	0	0	0
0.996701	0.996562	0	0	0	0	0	0
0.284593	0.28983	0	4	0	0	0	0
0.00596	0.01212	0	0	0	0	0	0
0.016891	0.01094	0	0	0	0	0	0
0.039944	0.055914	0	0	0	0	0	0
0.108763	0.105423	0	0	0	0	0	0
0.987834	0.973303	0	0	0	0	0	0
0.022888	0.052315	0	0	0	0	0	0
0.178109	0.112769	0	0	0	0	0	0
0.994074	0.97899	0	0	0	0	0	0
0.994273	0.981163	0	0	0	0	0	0
0.992845	0.987446	0	0	0	0	0	0
0.97526	0.964646	0	0	0	0	0	0
0.019828	0.055337	0	0	0	0	0	0
0.020044	0.053366	0	0	0	0	0	0
0.681514	0.831315	0	0	0	0	0	0
0.988098	0.851752	0.01	0	0	0	0	0
0.993873	0.990638	0	0	0	0	0	0
0.961689	0.974453	0	0	0	0	0	0
0.994083	0.930689	0.01	0	0	0	0	0
0.126858	0.316301	0	0	0	0	0	0

0.935371	0.973821	0	0	0	0	0	0
0.967493	0.964608	0	0	0	0	0	0
0.995951	0.996416	0	0	0	0	0	0
0.994762	0.997712	0	0	0	0	0	0
0.004187	0.003028	0	0	0	0	0	0
0.004121	0.004744	0	0	0	0	0	0
0.994928	0.998877	0	0	0	0	0	0
0.99288	0.998702	0	0	0	0	0	0
0.997948	0.996277	0	0	0	0	0	0
0.791974	0.93347	0.06	0	0	0	0	0
0.99303	0.996215	0	0	0	0	0	0
0.995218	0.998071	0	0	0	0	0	0
0.988332	0.888865	0	0	0	0	0	0
0.991447	0.99484	0	0	0	0	0	0
0.984997	0.902778	0	0	0	0	0	0
0.996309	0.988229	0	0	0	0	0	0
0.996324	0.994697	0	0	0	0	0	0
0.988364	0.970347	0	0	0	0	0	0
0.994635	0.983461	0	0	0	0	0	0
0.01076	0.043731	0	0	0	0	0	0
0.010013	0.043037	0	0	0	0	0	0
0.035986	0.128146	0	0	0	0	0	0
0.986196	0.964145	0	0	0	0	0	0
0.990264	0.990438	0	0	0	0	0	0
0.988454	0.990171	0	0	0	0	0	0
0.988979	0.984867	0	0	0	0	0	0
0.989526	0.990834	0	0	0	0	0	0
0.987856	0.814277	0.06	0	0	0	0	0
0.997624	0.933135	0	0	0	0	0	0
0.997254	0.897706	0.01	0	0	0	0	0
0.997504	0.916561	0	0	0	0	0	0
0.998019	0.959024	0	0	0	0	0	0
0.992657	0.990576	0	0	0	0	0	0
0.009268	0.010306	0	0	0	0	0	0
0.984818	0.969447	0	0	0	0	0	0
0.991976	0.989572	0	0	0	0	0	0
0.991284	0.979458	0	0	0	0	0	0
0.992851	0.925171	0.01	0	0	0	0	0
0.992097	0.967816	0	0	0	0	0	0
0.989536	0.98691	0	0	0	0	0	0
0.947024	0.930602	0	0	0	0	0	0
0.991197	0.977533	0	0	0	0	0	0
0.02443	0.065172	0	0	0	0	0	0
0.017164	0.057758	0	0	0	0	0	0
0.990817	0.983602	0	0	0	0	0	0
0.97271	0.946161	0	0	0	0	0	0
0.994146	0.961436	0	0	0	0	0	0

0.980059	0.978442	0	0	0	0	0	0
0.990663	0.982341	0	0	0	0	0	0
0.958121	0.964623	0	0	0	0	0	0
0.222152	0.235256	0	0	0	0	0	0
0.991985	0.95992	0	0	0	0	0	0
0.835177	0.869206	0	0	0	0	0	0
0.989405	0.987441	0	0	0	0	0	0
0.993243	0.990918	0	0	0	0	0	0
0.994157	0.986368	0	0	0	0	0	0
0.697159	0.746722	0	0	0	0	0	0
0.982538	0.968865	0	0	0	0	0	0
0.020285	0.071088	0	0	0	0	0	0
0.996828	0.991472	0	0	0	0	0	0
0.995605	0.994915	0	0	0	0	0	0
0.614104	0.44041	0.1	8	0	0	0	0
0.015073	0.091937	0.03	0	0	0	0	0
0.986733	0.979993	0	0	0	0	0	0
0.994641	0.992337	0	0	0	0	0	0
0.997557	0.996632	0	0	0	5	1	1
0.002359	0.003168	0	0	0	0	0	0
0.991061	0.981718	0	0	0	0	0	0
0.997356	0.996543	0	0	0	0	0	0
0.300817	0.725322	0.19	0	0	0	0	0
0.139874	0.297936	0	0	0	0	0	0
0.987335	0.970944	0	0	0	0	0	0
0.597875	0.825113	0	0	0	0	0	0
0.968626	0.943094	0	0	0	0	0	0
0.995193	0.974426	0	0	0	0	0	0
0.99483	0.978451	0	0	0	0	0	0
0.992808	0.980905	0	0	0	0	0	0
0.99355	0.981953	0	0	0	0	0	0
0.993733	0.977322	0	0	0	0	0	0
0.976273	0.858632	0	0	0	0	0	0
0.99282	0.949133	0	0	0	0	11	5
0.972661	0.976391	0	0	0	0	0	0
0.983725	0.97824	0	0	0	0	0	0
0.992778	0.981963	0	0	0	0	0	0
0.993226	0.988999	0	0	0	0	0	0
0.98424	0.98033	0	0	0	0	0	0
0.98216	0.978944	0	0	0	0	4	0
0.992984	0.959099	0	0	0	0	0	0
0.919483	0.924578	0	0	0	0	0	0
0.977952	0.979499	0	0	0	0	0	0
0.979606	0.981726	0	0	0	0	0	0
0.971823	0.986378	0	0	0	0	0	0
0.985049	0.968444	0	0	0	0	0	0
0.070993	0.0401	0	0	0	0	0	0

0.987751	0.980497	0	0	0	0	0	0
0.956084	0.975685	0	0	0	0	0	0
0.920436	0.995603	0	0	0	0	0	0
0.950515	0.995238	0	0	0	0	0	0
0.955999	0.997182	0	0	0	0	0	0
0.936857	0.994983	0	0	0	0	0	0
0.986491	0.954863	0	0	0	0	0	0
0.986523	0.959443	0	0	0	0	0	0
0.03401	0.073241	0	0	0	0	0	0
0.039218	0.034455	0	0	0	0	0	0
0.982842	0.970234	0	0	0	0	0	0
0.961213	0.98103	0	0	0	0	0	0
0.026264	0.063424	0	0	0	0	0	0
0.987625	0.985338	0	0	0	0	0	0
0.786295	0.679989	0	0	0	0	0	0
0.992011	0.97796	0	0	0	0	0	0
0.020416	0.015013	0	0	0	0	0	0
0.952543	0.933003	0	0	0	0	0	0
0.966891	0.921136	0	0	0	0	0	0
0.739385	0.556956	0	0	0	0	0	0
0.911229	0.842144	0	0	0	0	0	0
0.956478	0.979341	0	0	0	0	0	0
0.997498	0.994997	0	0	0	0	0	0
0.994231	0.996367	0	0	0	0	0	0
0.986352	0.992242	0	0	0	0	0	0
0.987481	0.971639	0	0	0	0	0	0
0.998065	0.996636	0	0	0	0	0	0
0.045562	0.027524	0	0	0	0	0	0
0.993846	0.997298	0	0	0	0	0	0
0.994903	0.994428	0	0	0	0	0	0
0.911788	0.975948	0	0	0	0	0	0
0.947026	0.971255	0	0	0	0	0	0
0.975753	0.98662	0	0	0	0	0	0
0.989659	0.972638	0	0	0	0	0	0
0.241218	0.612341	0.14	0	0	0	0	0
0.891578	0.931474	0	0	0	0	0	0
0.933421	0.966227	0	0	0	0	0	0
0.978752	0.955005	0	0	0	0	0	0
0.976114	0.969209	0	0	0	0	0	0
0.952348	0.958985	0	0	0	0	0	0
0.986571	0.985813	0	0	0	0	0	0
0.976411	0.567528	0.27	0	0	0	0	0
0.99227	0.977492	0	0	0	0	0	0
0.993746	0.956717	0.01	0	0	0	0	0
0.98992	0.964516	0	0	0	0	0	0
0.980068	0.974081	0	0	0	0	0	0
0.584851	0.913521	0.25	0	0	0	0	0

0.029903	0.021237	0	0	0	0	0	0
0.880519	0.83816	0	0	0	0	0	0
0.987387	0.990413	0	0	0	0	0	0
0.020835	0.012261	0	0	0	0	0	0
0.028655	0.087396	0	0	0	0	0	0
0.989597	0.99256	0	0	0	0	0	0
0.995495	0.994183	0	0	0	0	0	0
0.995541	0.994864	0	0	0	0	0	0
0.023335	0.049526	0	0	0	0	0	0
0.97578	0.993842	0	0	0	0	0	0
0.99093	0.987604	0	0	0	0	0	0
0.992623	0.967282	0	0	0	0	0	0
0.994052	0.99364	0	0	0	0	0	0
0.996428	0.998823	0	0	0	0	0	0
0.995436	0.998616	0	0	0	0	0	0
0.0099	0.008583	0	0	0	0	0	0
0.997556	0.997226	0	0	0	0	0	0
0.994393	0.947348	0	0	0	0	0	0
0.939044	0.86824	0	0	0	0	0	0
0.988834	0.797446	0.11	0	0	0	0	0
0.873513	0.858117	0	0	0	0	0	0
0.994402	0.994116	0	0	0	0	0	0
0.993869	0.991999	0	0	0	0	0	0
0.99119	0.968868	0	0	0	0	0	0
0.935587	0.902244	0	0	0	0	0	0
0.989177	0.993486	0	0	0	0	0	0
0.963269	0.955172	0	0	0	0	0	0
0.294138	0.691345	0.23	0	0	1	0	0
0.256972	0.670175	0.24	0	0	0	0	0
0.924689	0.892702	0	0	0	0	0	0
0.932245	0.951518	0	0	0	0	0	0
0.952354	0.974086	0	0	0	0	0	0
0.928601	0.940426	0	0	0	0	0	0
0.939907	0.951615	0	0	0	0	0	0
0.889314	0.692853	0	0	0	0	0	0
0.96395	0.947731	0	0	0	0	0	0
0.960101	0.882949	0	0	0	0	0	0
0.95029	0.873412	0	0	0	0	0	0
0.996114	0.997035	0	0	0	0	0	0
0.99274	0.992839	0	0	0	0	0	0
0.021827	0.024835	0	0	0	0	0	0
0.997175	0.998996	0	0	0	0	4	4
0.989248	0.949364	0	0	0	0	0	0
0.987168	0.990367	0	0	0	0	0	0
0.986028	0.99017	0	0	0	0	0	0
0.829033	0.61609	0.02	0	0	0	0	0
0.992681	0.997293	0	0	0	0	0	0

0.994366	0.97162	0	0	0	0	0	0
0.993654	0.997154	0	0	0	0	0	0
0.973908	0.989825	0	0	0	0	0	0
0.985789	0.990667	0	0	0	0	0	0
0.985817	0.968872	0	0	0	0	0	0
0.051314	0.040355	0	0	0	0	0	0
0.986292	0.982536	0	0	0	0	0	0
0.978499	0.919271	0	0	0	0	0	0
0.979162	0.969849	0	0	0	0	0	0
0.115469	0.427417	0	0	0	0	0	0
0.973015	0.994029	0	0	0	0	0	0
0.848615	0.78015	0	0	0	0	0	0
0.998143	0.990635	0	0	0	0	0	0
0.997933	0.994105	0	0	0	0	0	0
0.996595	0.937748	0.03	0	0	0	0	0
0.006893	0.00504	0	0	0	0	0	0
0.00607	0.003348	0	0	0	0	0	0
0.988029	0.988124	0	0	0	0	0	0
0.972838	0.985253	0.01	0	0	0	0	0
0.980825	0.946338	0	0	0	0	0	0
0.500456	0.321889	0	0	0	0	0	0
0.945798	0.958375	0	0	0	0	0	0
0.975604	0.937907	0	0	0	0	0	0
0.974088	0.950496	0	0	0	0	0	0
0.962307	0.707632	0.05	0	0	0	0	0
0.976049	0.986386	0	0	0	0	0	0
0.98108	0.991799	0	0	0	0	0	0
0.993783	0.961147	0	0	0	0	0	0
0.994029	0.969021	0	0	0	0	0	0
0.963661	0.821236	0	0	0	0	0	0
0.972669	0.82227	0.01	0	0	0	0	0
0.986755	0.966866	0	0	0	0	0	0
0.988411	0.99615	0	0	0	0	0	0
0.991971	0.971532	0	0	0	0	0	0
0.991258	0.988443	0	0	0	0	0	0
0.990048	0.954909	0	0	0	0	0	0
0.035319	0.042272	0	0	0	0	0	0
0.986564	0.97596	0	0	0	0	0	0
0.975059	0.974553	0	0	0	0	0	0
0.956192	0.653963	0.06	0	0	0	0	0
0.933873	0.791833	0	0	0	0	0	0
0.988087	0.995942	0	0	0	0	0	0
0.980104	0.934904	0.01	0	0	0	0	0
0.001832	0.004565	0	0	0	0	0	0
0.925705	0.71637	0.1	0	0	0	0	0
0.984595	0.840225	0.06	0	0	0	0	0
0.992768	0.953628	0	0	0	0	0	0

0.983222	0.888956	0.01	0	0	0	0	0
0.956321	0.920393	0	0	0	0	0	0
0.010197	0.015833	0	0	0	0	0	0
0.957034	0.936208	0	0	0	0	0	0
0.07628	0.043971	0	0	0	0	0	0
0.977062	0.958028	0	0	0	0	0	0
0.970755	0.967242	0	0	0	0	0	0
0.925314	0.947355	0	0	0	0	0	0
0.928291	0.961092	0	0	0	0	0	0
0.012396	0.030778	0	0	0	0	0	0
0.995675	0.98799	0	0	0	0	0	0
0.991278	0.991947	0	0	0	0	0	0
0.98915	0.976126	0	0	0	0	0	0
0.987674	0.953841	0	0	0	0	0	0
0.976067	0.981492	0	0	0	0	0	0
0.980355	0.986298	0	0	0	0	0	0
0.020051	0.053927	0	0	0	0	0	0
0.980145	0.951807	0	0	0	0	0	0
0.98765	0.89892	0	0	0	0	0	0
0.981609	0.97004	0	0	0	0	10	8
0.990005	0.975925	0	0	0	0	0	0
0.988913	0.99344	0	0	0	0	0	0
0.02789	0.025769	0	2	0	0	0	0
0.038966	0.053719	0	2	0	0	0	0
0.048074	0.077707	0	2	0	0	0	0
0.991478	0.994799	0	0	0	0	0	0
0.967762	0.984851	0	0	0	0	0	0
0.022127	0.03436	0	0	0	0	0	0
0.763341	0.318805	0.2	0	0	0	0	0
0.953277	0.948917	0	0	0	0	1	1
0.072194	0.023578	0	0	0	0	0	0
0.990429	0.957415	0	0	0	0	0	0
0.984786	0.937699	0	0	0	0	0	0
0.023185	0.039718	0	0	0	0	0	0
0.949133	0.842304	0	0	0	0	0	0
0.133449	0.247007	0.13	0	0	0	0	0
0.943026	0.854829	0.04	0	0	0	0	0
0.981927	0.954524	0	0	0	0	0	0
0.013933	0.02832	0	0	0	0	0	0
0.014174	0.037154	0	0	0	0	0	0
0.015269	0.030634	0	0	0	0	0	0
0.99184	0.717191	0.14	0	0	0	0	0
0.992748	0.888141	0.01	0	0	0	0	0
0.970007	0.992036	0	0	0	0	0	0
0.495676	0.400472	0	0	0	0	0	0
0.99586	0.960089	0	0	0	0	0	0
0.010975	0.034129	0.03	0	0	0	0	0

0.000668	0.006992	0.01	0	0	0	0	0
0.022889	0.039087	0	0	0	0	0	0
0.028493	0.142629	0	0	0	0	0	0
0.022785	0.058227	0	0	0	0	0	0
0.989475	0.988716	0	0	0	0	0	0
0.025103	0.690642	0.52	0	0	0	0	0
0.981552	0.987144	0	0	0	0	0	0
0.987811	0.980672	0	0	0	0	0	0
0.986843	0.968963	0	0	0	0	0	0
0.988081	0.982516	0	0	0	0	0	0
0.997301	0.996816	0	0	0	0	0	0
0.975797	0.973112	0	0	0	0	0	0
0.521315	0.507364	0	0	0	0	0	0
0.159215	0.113434	0	0	0	0	0	0
0.003141	0.04643	0.01	0	0	0	0	0
0.997441	0.997271	0	0	0	0	0	0
0.857551	0.845945	0	0	0	0	0	0
0.025566	0.027491	0	0	0	0	0	0
0.989242	0.994521	0	0	0	0	0	0
0.042863	0.023559	0	0	0	0	0	0
0.016813	0.009005	0	0	0	0	0	0
0.918801	0.959734	0	0	0	0	0	0
0.989958	0.990554	0	0	0	0	0	0
0.984814	0.884843	0.03	0	0	0	0	0
0.991722	0.988828	0	0	0	0	0	0
0.992724	0.992922	0	0	0	0	0	0
0.992875	0.993309	0	0	0	0	0	0
0.991531	0.995206	0	0	0	0	0	0
0.947951	0.950313	0	0	0	0	0	0
0.966894	0.942384	0	0	0	0	0	0
0.975015	0.969348	0	0	0	0	0	0
0.95431	0.949967	0	0	0	0	0	0
0.980153	0.990094	0	0	0	0	0	0
0.156342	0.423025	0	0	0	0	0	0
0.985573	0.995472	0	0	0	0	0	0
0.9883	0.978458	0	0	0	0	0	0
0.936309	0.825291	0	0	0	0	0	0
0.980843	0.974213	0	0	0	0	0	0
0.898993	0.983461	0	0	0	0	0	0
0.983699	0.984025	0	0	0	0	0	0
0.008139	0.002197	0	0	0	0	0	0
0.005993	0.002424	0	0	0	0	0	0
0.935251	0.898557	0	0	0	0	0	0
0.966001	0.954706	0	0	0	0	0	0
0.987011	0.979233	0	0	0	0	0	0
0.993132	0.987825	0	0	0	0	0	0
0.994657	0.992294	0	0	0	0	0	0

0.009885	0.019159	0	0	0	0	0	0
0.039084	0.056539	0	0	0	0	0	0
0.02015	0.009266	0	0	0	0	0	0
0.994248	0.993028	0	0	0	2	0	0
0.990332	0.982683	0	0	0	0	0	0
0.981578	0.98008	0	0	0	0	0	0
0.021761	0.027359	0	0	0	0	0	0
0.972314	0.989969	0	0	0	0	0	0
0.984924	0.995991	0	0	0	0	0	0
0.879288	0.937856	0	0	0	0	0	0
0.992514	0.953157	0	0	0	0	0	0
0.990166	0.977758	0	0	0	0	0	0
0.991227	0.991931	0	0	0	0	0	0
0.991132	0.988571	0	0	0	0	0	0
0.994714	0.99444	0	0	0	0	0	0
0.987296	0.984658	0	0	0	0	0	0
0.975965	0.955737	0	0	0	0	0	0
0.791156	0.16086	0.46	0	0	0	0	0
0.981518	0.987406	0	0	0	0	0	0
0.988313	0.885794	0.01	0	0	0	0	0
0.970791	0.904926	0	0	0	0	0	0
0.975772	0.96872	0.01	0	0	0	0	0
0.971544	0.965326	0	0	0	0	0	0
0.983236	0.993318	0	0	0	0	0	0
0.952232	0.990763	0	0	0	0	0	0
0.067619	0.016681	0	0	0	0	0	0
0.936054	0.897404	0	0	0	0	0	0
0.996176	0.994196	0	0	0	0	0	0
0.821103	0.713991	0.02	0	0	0	0	0
0.955701	0.970908	0	0	0	0	0	0
0.948902	0.962625	0	0	0	0	0	0
0.960605	0.960464	0	0	0	0	0	0
0.002557	0.008143	0	0	0	0	0	0
0.993374	0.995951	0	0	0	0	0	0
0.706482	0.802216	0	0	0	0	0	0
0.99943	0.998906	0	0	0	0	0	0
0.592973	0.691785	0	0	0	0	0	0
0.907195	0.968531	0	0	0	0	0	0
0.591731	0.866634	0.15	0	0	0	0	0
0.991981	0.995578	0	0	0	0	0	0
0.995239	0.994495	0	0	0	0	0	0
0.957155	0.981971	0	0	0	0	0	0
0.005575	0.003546	0	0	0	0	0	0
0.008314	0.002489	0	0	0	0	0	0
0.958401	0.971557	0	0	0	0	0	0
0.951106	0.862035	0	0	0	0	0	0
0.995527	0.99752	0	0	3	1	0	0

0.996327	0.997981	0	0	0	0	0	0
0.995775	0.999134	0	0	0	0	0	0
0.983421	0.427928	0.48	0	0	0	0	0
0.98854	0.597153	0.33	0	0	0	0	0
0.985425	0.995593	0	0	0	0	0	0
0.977308	0.992767	0	0	0	0	0	0
0.005331	0.008797	0	0	0	0	0	0
0.944805	0.475425	0.17	0	0	0	0	0
0.982785	0.861734	0	0	0	0	0	0
0.24217	0.351816	0	0	0	0	0	0
0.969091	0.94043	0	0	0	0	0	0
0.048054	0.063285	0	0	0	0	0	0
0.98478	0.977645	0	0	0	0	0	0
0.056118	0.043233	0	0	0	0	0	0
0.07476	0.076619	0	0	0	0	0	0
0.044139	0.23974	0	0	0	1	6	6
0.03238	0.045323	0	0	0	0	0	0
0.981723	0.964533	0	0	0	11	0	0
0.958981	0.967732	0	0	0	0	0	0
0.764772	0.780371	0	0	0	0	0	0
0.039757	0.077329	0	0	0	0	0	0
0.97162	0.972614	0	0	0	0	0	0
0.003486	0.005357	0	0	0	0	0	0
0.008476	0.028316	0	0	0	0	0	0
0.004469	0.010104	0	0	0	0	0	0
0.932951	0.965306	0	0	0	0	0	0
0.943163	0.937174	0	0	0	0	0	0
0.957518	0.963919	0	0	0	0	0	0
0.078465	0.07171	0	0	0	0	0	0
0.950089	0.939902	0	0	0	0	0	0
0.187583	0.206361	0	0	0	0	0	0
0.935242	0.962797	0	0	0	0	0	0
0.977476	0.981776	0	0	0	0	0	0
0.965864	0.984653	0	0	0	0	0	0
0.973692	0.97507	0	0	0	0	0	0
0.956649	0.878861	0	0	0	0	0	0
0.087683	0.046018	0	0	0	0	0	0
0.060128	0.168022	0	0	0	0	0	0
0.412826	0.673568	0	0	0	0	0	0
0.43337	0.724584	0	0	0	2	0	0
0.880815	0.968028	0.01	0	0	0	0	0
0.99112	0.966367	0	0	6	6	0	0
0.737589	0.4488	0	0	0	0	0	0
0.957207	0.943951	0	0	0	0	0	0
0.980943	0.956953	0	0	0	0	0	0
0.67149	0.648257	0	0	0	0	0	0
0.044184	0.109416	0	0	0	0	0	0

0.982027	0.972578	0	0	0	0	0	0
0.994429	0.992817	0	0	0	0	0	0
0.992081	0.995867	0	0	0	0	0	0
0.994595	0.994154	0	0	0	0	0	0
0.01815	0.010389	0	0	0	0	0	0
0.517255	0.69946	0.03	0	0	0	0	0
0.41787	0.251256	0.02	0	0	0	0	0
0.95001	0.913088	0	0	0	0	0	0
0.996538	0.990823	0	0	0	0	0	0
0.658579	0.61177	0	0	0	0	0	0
0.992163	0.98609	0	0	0	0	0	0
0.013164	0.010634	0	0	0	0	0	0
0.995466	0.996597	0	0	0	2	0	0
0.99618	0.98905	0	0	0	0	0	0
0.009058	0.137746	0.03	0	0	0	0	0
0.051227	0.054826	0	0	0	0	0	0
0.925132	0.992904	0.01	0	0	0	0	0
0.098815	0.16239	0	0	0	0	0	0
0.952279	0.967621	0	0	0	0	0	0
0.471365	0.790583	0.16	0	0	0	0	0
0.994352	0.995284	0	0	0	0	0	0
0.993326	0.994477	0	0	0	0	0	0
0.833715	0.103496	0.53	0	0	0	0	0
0.884901	0.388411	0.27	0	0	0	0	0
0.995715	0.995671	0	0	0	0	0	0
0.991691	0.950819	0.01	0	0	0	0	0
0.997986	0.997707	0	0	0	0	0	0
0.06719	0.061944	0	0	0	0	0	0
0.981187	0.984608	0	0	0	0	0	0
0.994775	0.44803	0.41	0	0	0	0	0
0.986847	0.97715	0	0	0	0	0	0
0.986852	0.986192	0	0	0	0	0	0
0.039228	0.102767	0	0	0	0	0	0
0.99424	0.99008	0	0	0	0	0	0
0.993921	0.988506	0	0	0	5	0	0
0.996521	0.101047	0.82	0	0	0	1	0
0.009213	0.015102	0	0	0	0	0	0
0.99625	0.99257	0	0	0	0	0	0
0.996791	0.996355	0	0	0	0	0	0
0.966695	0.941181	0	0	0	0	0	0
0.929684	0.975678	0	0	0	0	0	0
0.94597	0.96602	0	0	0	0	0	0
0.009597	0.025959	0	0	0	0	0	0
0.993744	0.997828	0	0	0	0	0	0
0.009507	0.013974	0	0	0	0	0	0
0.985848	0.986205	0	0	0	0	0	0
0.994318	0.976068	0	0	0	0	0	0

0.995999	0.993746	0	0	0	0	0	0
0.996366	0.98069	0	0	0	0	0	0
0.687688	0.790142	0	0	0	0	0	0
0.920194	0.934022	0	0	0	0	0	0
0.01891	0.032184	0	0	0	0	0	0
0.996002	0.994394	0	0	0	0	0	0
0.995727	0.992306	0	0	0	0	0	0
0.996697	0.99702	0	0	0	0	0	0
0.99582	0.997312	0	0	0	0	0	0
0.911465	0.837066	0	0	0	0	0	0
0.69219	0.418864	0.12	0	0	0	0	0
0.982542	0.969865	0	0	0	0	0	0
0.982225	0.986039	0	0	0	0	0	0
0.984342	0.979932	0	0	0	0	0	0
0.986812	0.987613	0	0	0	0	0	0
0.985359	0.987695	0	0	0	0	0	0
0.98552	0.982025	0	0	0	0	0	0
0.778201	0.830153	0	0	0	0	0	0
0.981541	0.973792	0	0	0	0	0	0
0.941599	0.927205	0	0	0	0	0	0
0.993301	0.987507	0	0	0	0	0	0
0.993351	0.981943	0	0	0	0	0	0
0.995125	0.994323	0	0	0	0	0	0
0.008876	0.012968	0	0	0	0	0	0
0.990807	0.983096	0	0	0	0	0	0
0.992679	0.977059	0	0	0	0	0	0
0.971769	0.421807	0.33	0	0	0	0	0
0.991279	0.99034	0	0	0	0	0	0
0.98662	0.835013	0	0	0	0	0	0
0.983368	0.959096	0	0	0	0	0	0
0.981474	0.97991	0	0	0	0	0	0
0.980931	0.98034	0	0	0	0	0	0
0.981767	0.983087	0	0	0	0	0	0
0.976973	0.953055	0	0	0	0	0	0
0.984879	0.94289	0	0	0	0	0	0
0.99038	0.995874	0	0	0	0	0	0
0.015605	0.010662	0	0	0	0	0	0
0.992005	0.99033	0	0	0	0	0	0
0.973995	0.985234	0	0	0	0	1	7
0.008472	0.010734	0	0	0	0	0	0
0.995522	0.995763	0	0	0	0	0	0
0.974751	0.889195	0.02	0	0	0	0	0
0.009588	0.004338	0	0	0	0	0	0
0.008999	0.146568	0.07	0	0	0	0	0
0.99473	0.988398	0	0	0	0	0	0
0.989541	0.996917	0	0	0	0	0	0
0.996362	0.990207	0	0	0	0	0	0

0.891673	0.961761	0	0	0	0	0	0
0.895115	0.916731	0	0	0	0	0	0
0.890276	0.969652	0	0	0	0	0	0
0.998021	0.998084	0	0	0	0	0	0
0.00886	0.009269	0	0	0	0	0	0
0.99562	0.996781	0	0	0	0	0	0
0.016673	0.085963	0	0	0	0	0	0
0.014268	0.023803	0	0	0	0	0	0
0.980288	0.990716	0	0	0	0	0	0
0.957755	0.950847	0	0	0	0	0	0
0.938001	0.961212	0	0	0	0	0	0
0.974615	0.993494	0	0	0	0	0	0
0.992089	0.993913	0	0	0	0	0	0
0.993939	0.995121	0	0	0	0	0	0
0.015125	0.033601	0	0	0	0	0	0
0.994118	0.977775	0	0	0	0	0	0
0.177794	0.300215	0	0	0	0	0	0
0.597643	0.215333	0.18	0	0	0	0	0
0.246377	0.132056	0	0	0	0	0	0
0.98196	0.99321	0	0	0	0	0	0
0.997097	0.992074	0	0	0	0	0	0
0.989756	0.994832	0	0	0	0	0	0
0.988844	0.91241	0.02	0	0	0	0	0
0.995598	0.973316	0	0	0	0	0	0
0.952118	0.959927	0	0	0	0	0	0
0.946347	0.828777	0	0	0	0	0	0
0.951725	0.958125	0	0	0	0	0	0
0.945474	0.944724	0	0	0	0	0	0
0.916188	0.945853	0	0	0	0	0	0
0.963099	0.825851	0	0	0	0	0	0
0.943841	0.910027	0	0	0	0	0	0
0.970067	0.86984	0	0	0	0	0	0
0.973005	0.961684	0	0	0	0	0	0
0.73262	0.443069	0	0	0	0	0	0
0.96807	0.929856	0	0	0	0	0	0
0.972954	0.955843	0	0	0	0	0	0
0.007582	0.029393	0	0	0	0	0	0
0.976273	0.972354	0	0	0	0	0	0
0.995538	0.997469	0	0	0	0	0	0
0.007419	0.007346	0	0	0	0	0	0
0.994753	0.995834	0	0	0	0	0	0
0.996172	0.992098	0	0	0	0	0	0
0.004491	0.002317	0	0	0	0	0	0
0.963812	0.980977	0	0	0	0	0	0
0.879358	0.489953	0.05	0	0	0	0	0
0.95553	0.956592	0	0	0	0	0	0
0.9603	0.953863	0	0	0	0	0	0

0.972997	0.954134	0	0	0	0	0	0
0.976498	0.962775	0	0	0	0	0	0
0.97548	0.950385	0	0	0	0	0	0
0.148435	0.379494	0	0	0	0	0	0
0.996557	0.997028	0	0	0	0	0	0
0.996365	0.912751	0.02	0	0	0	0	0
0.991928	0.99108	0	0	0	0	0	0
0.018864	0.028099	0	0	0	0	0	0
0.940799	0.938772	0	0	0	0	0	0
0.997708	0.992957	0	0	0	0	0	0
0.004568	0.037837	0	0	0	0	0	0
0.002689	0.018644	0	0	0	0	0	0
0.995841	0.994515	0	0	0	0	0	0
0.998145	0.995296	0	0	0	0	0	0
0.99727	0.993424	0	0	0	0	0	0
0.276733	0.35382	0	0	0	0	0	0
0.997567	0.963964	0	0	0	0	0	0
0.006222	0.09838	0.03	0	0	0	0	0
0.516257	0.534617	0	0	0	6	0	0
0.980275	0.961589	0	0	0	0	0	0
0.013868	0.037117	0	0	0	0	0	0
0.991173	0.970782	0	0	0	0	0	0
0.992801	0.987418	0	0	0	0	0	0
0.012973	0.016759	0	0	0	0	0	0
0.014609	0.046979	0	0	0	0	0	0
0.992657	0.972121	0	0	0	0	0	0
0.0112	0.035254	0	0	0	0	0	0
0.022115	0.166923	0.02	0	0	0	0	0
0.987757	0.977687	0	0	0	0	0	0
0.013529	0.025889	0	0	0	0	0	0
0.022761	0.044793	0	0	0	0	0	0
0.992319	0.976614	0	0	0	0	0	0
0.993306	0.98423	0	0	0	0	0	0
0.994705	0.985585	0	0	0	0	0	0
0.993433	0.985326	0	0	0	0	0	0
0.995378	0.984057	0	0	0	0	0	0
0.951817	0.914355	0	0	0	0	0	0
0.986039	0.979222	0	0	0	0	0	0
0.021851	0.011374	0	0	0	0	0	0
0.012514	0.015314	0	0	0	0	0	0
0.958588	0.95847	0	0	0	0	0	0
0.975017	0.974506	0	0	0	0	0	0
0.972971	0.936361	0	0	0	0	0	0
0.96745	0.989564	0	0	0	0	0	0
0.957628	0.94997	0	0	0	0	0	0
0.099879	0.01315	0	0	0	0	0	0
0.28068	0.026049	0.07	0	0	0	0	0

0.486883	0.36129	0	0	0	0	0	0
0.939111	0.936434	0	0	0	0	0	0
0.973144	0.960689	0	0	0	0	0	0
0.949826	0.920741	0	0	0	0	0	0
0.992946	0.990952	0	1	0	0	0	0
0.993523	0.991282	0	0	0	0	0	0
0.993141	0.994066	0	0	0	0	0	0
0.992688	0.995732	0	0	0	0	0	0
0.994263	0.983967	0	0	0	0	0	0
0.971451	0.992454	0	0	0	0	0	0
0.991235	0.961968	0	0	0	0	0	0
0.993305	0.994357	0	0	0	0	0	0
0.994829	0.935907	0.02	0	0	0	0	0
0.019904	0.02742	0	0	0	0	0	0
0.976112	0.990328	0	0	0	0	0	0
0.871756	0.876875	0	0	0	0	0	0
0.980978	0.993388	0	0	0	0	0	0
0.034728	0.041774	0	0	0	0	0	0
0.991519	0.996305	0	0	0	0	0	0
0.991418	0.99843	0	0	0	0	0	0
0.012847	0.020178	0	0	0	0	0	0
0.988875	0.998621	0	0	0	0	0	0
0.993462	0.997353	0	0	0	0	0	0
0.994564	0.996683	0	0	0	0	0	0
0.930168	0.738973	0.09	0	0	0	0	0
0.991055	0.975952	0	0	0	0	0	0
0.90261	0.782785	0	0	0	0	0	0
0.99991	0.999922	0	0	0	0	12	0
0.998416	0.988446	0	0	0	0	0	0
0.000405	0.00746	0	0	0	0	0	0
0.996398	0.991337	0	0	0	0	0	0
0.999587	0.999558	0	0	0	0	0	0
0.972004	0.960594	0	0	0	0	0	0
0.044288	0.048041	0	0	0	0	0	0
0.975656	0.950036	0	0	0	0	0	0
0.967016	0.961264	0	0	0	0	0	0
0.888833	0.717865	0	0	0	0	0	0
0.012525	0.046614	0	0	0	0	0	0
0.990859	0.988134	0	0	0	0	0	0
0.996107	0.980054	0	0	0	0	0	0
0.997029	0.995985	0	0	0	0	0	0
0.99616	0.996964	0	0	0	0	0	0
0.994917	0.993326	0	0	0	0	0	0
0.923807	0.930574	0	0	0	0	0	0
0.980356	0.961378	0	0	0	0	0	0
0.092337	0.144936	0	0	0	0	0	0
0.959495	0.952158	0	0	0	0	0	0

0.974754	0.870762	0	0	0	0	0	0
0.995336	0.996301	0	0	0	0	0	0
0.307521	0.869299	0.43	0	0	0	0	0
0.995025	0.995737	0	0	0	0	0	0
0.996733	0.988527	0	0	0	0	0	0
0.064803	0.76468	0.48	0	0	0	0	0
0.994509	0.997531	0	0	0	0	0	0
0.013421	0.012606	0	0	0	0	0	0
0.997962	0.977028	0	0	0	0	0	0
0.997118	0.997012	0	0	0	0	0	0
0.984373	0.982596	0	0	0	0	0	0
0.999696	0.999719	0	0	0	0	0	0
0.999885	0.999911	0	0	0	0	0	0
0.992182	0.995221	0	0	0	0	0	0
0.998508	0.999199	0	0	0	0	0	0
0.02617	0.028577	0	0	0	0	0	0
0.010879	0.019898	0	0	0	0	0	0
0.97991	0.993275	0	0	0	0	0	0
0.019106	0.090938	0.04	0	0	0	0	0
0.06052	0.136469	0.06	0	0	0	0	0
0.000608	0.00392	0	0	0	0	0	0
0.006058	0.009645	0	0	0	0	0	0
0.637025	0.596755	0	0	0	0	0	0
0.869307	0.928073	0	0	0	0	0	0
0.993882	0.998567	0	0	0	0	0	0
0.088693	0.058914	0	0	0	0	0	0
0.005001	0.029695	0	0	0	0	0	0
0.993346	0.981318	0	0	0	0	0	0
0.992856	0.993349	0	0	0	0	0	0
0.998112	0.998262	0	0	0	0	0	0
0.994631	0.998846	0	0	0	0	0	0
0.994268	0.998648	0	0	0	0	0	0
0.003024	0.004599	0	0	0	0	0	0
0.996843	0.998312	0	0	0	0	0	0
0.995516	0.920684	0.04	0	0	0	0	0
0.010558	0.030546	0	0	0	0	0	0
0.996882	0.998494	0	0	0	0	0	0
0.996299	0.998348	0	0	0	0	0	0
0.996483	0.990076	0	0	0	0	0	0
0.99255	0.996497	0	0	0	0	0	0
0.994742	0.988741	0	0	0	0	0	0
0.999071	0.997398	0	0	0	0	0	0
0.995482	0.988101	0	0	0	0	0	0
0.022788	0.044874	0	0	0	0	0	0
0.969645	0.973353	0	0	0	0	0	0
0.017292	0.003186	0	0	0	0	0	0
0.993569	0.99588	0	0	0	0	0	0

0.993656	0.988855	0	0	0	0	0	0
0.975519	0.997541	0	0	0	0	0	0
0.00219	0.002919	0	0	0	0	0	0
0.761758	0.732722	0	0	0	0	0	0
0.999428	0.99954	0	0	0	0	0	0
0.023281	0.028116	0	0	0	0	0	0
0.015638	0.00734	0	0	0	0	0	0
0.353915	0.914271	0.46	0	0	0	0	0
0.375616	0.4696	0	0	0	0	0	0
0.992538	0.999231	0	0	0	0	0	0
0.958714	0.964861	0	0	0	0	0	0
0.967801	0.972063	0	0	0	0	0	0
0.965098	0.978096	0	0	0	0	0	0
0.826043	0.954423	0	0	0	0	0	0
0.953333	0.977335	0	0	0	0	0	0
0.958076	0.933465	0	0	0	0	0	0
0.990437	0.957961	0	0	0	0	0	0
0.992019	0.963929	0	0	0	0	0	0
0.977998	0.902648	0	0	0	0	0	0
0.022183	0.059922	0	0	0	0	0	0
0.991033	0.973155	0	0	0	0	0	0
0.990859	0.956926	0	0	0	0	0	0
0.990331	0.972627	0	0	0	0	0	0
0.979666	0.973619	0	0	0	0	0	0
0.901606	0.699788	0	0	0	0	0	0
0.992133	0.974156	0	0	0	0	0	0
0.985768	0.957354	0	0	0	0	0	0
0.988791	0.964672	0	0	0	0	0	0
0.266595	0.854352	0.41	0	0	0	0	0
0.922836	0.640157	0.05	0	0	0	0	0
0.990245	0.949438	0	0	0	0	0	0
0.993716	0.966928	0	0	0	0	0	0
0.969672	0.97197	0	0	0	0	0	0
0.973202	0.975646	0	0	0	0	0	0
0.983875	0.980473	0	0	0	0	0	0
0.97293	0.961632	0	0	0	0	0	0
0.986278	0.990114	0	0	0	0	0	0
0.944337	0.964564	0	0	0	0	0	0
0.978261	0.92789	0	0	0	0	0	0
0.941061	0.961862	0	0	0	0	0	0
0.949705	0.982681	0	0	0	0	0	0
0.937564	0.960278	0	0	0	0	0	0
0.975438	0.951625	0	0	0	0	0	0
0.972115	0.958786	0	0	0	0	0	0
0.033046	0.032663	0	0	0	0	0	0
0.983506	0.987734	0	0	0	0	0	0
0.99608	0.995466	0	0	0	0	0	0

0.991602	0.991042	0	0	0	0	0	0
0.021578	0.053673	0	0	0	0	0	0
0.02552	0.069093	0	0	0	0	0	0
0.095691	0.124895	0	0	0	0	0	0
0.531576	0.445842	0	0	0	0	0	0
0.990258	0.992389	0	0	0	0	0	0
0.836902	0.729489	0	0	0	0	0	0
0.973704	0.972171	0	0	0	0	0	0
0.991935	0.9837	0	0	0	0	0	0
0.989899	0.923148	0	0	0	0	0	0
0.98106	0.942928	0	0	0	0	0	0
0.973382	0.903573	0	0	0	0	0	0
0.980976	0.967637	0	0	0	0	0	0
0.927325	0.878297	0	0	0	0	0	0
0.968188	0.946834	0	0	0	0	0	0
0.984273	0.983269	0	0	0	0	0	0
0.009055	0.048268	0	0	0	0	0	0
0.997034	0.992452	0	0	0	0	0	0
0.976137	0.896196	0.03	0	0	0	0	0
0.980741	0.977253	0	0	0	0	0	0
0.821131	0.982793	0.02	0	0	0	0	0
0.99664	0.99623	0	0	0	0	0	0
0.97628	0.949042	0	0	0	0	0	0
0.926995	0.957088	0	0	0	0	0	0
0.832218	0.956042	0	0	0	0	0	0
0.968011	0.971599	0	0	0	0	0	0
0.976686	0.984986	0	0	0	0	0	0
0.958325	0.926967	0	0	0	0	0	0
0.968753	0.941428	0	0	0	0	0	0
0.939296	0.826428	0	0	0	0	0	0
0.844549	0.767253	0	0	0	0	0	0
0.942224	0.964151	0	0	0	0	0	0
0.93283	0.707552	0	0	0	0	0	0
0.973503	0.507656	0.22	0	0	0	0	0
0.986536	0.99389	0	0	0	0	0	0
0.981614	0.992316	0	0	0	0	0	0
0.08996	0.021346	0	0	0	0	0	0
0.987374	0.957047	0	0	0	5	0	0
0.981072	0.968396	0	0	0	0	0	0
0.979491	0.982544	0	0	0	0	0	0
0.990803	0.994459	0	0	0	0	0	0
0.985265	0.987289	0	0	0	0	0	0
0.98611	0.994317	0	0	0	0	0	0
0.990254	0.992063	0	0	0	0	0	0
0.984853	0.985438	0	0	0	0	0	0
0.992267	0.99296	0	0	0	0	0	0
0.959431	0.981499	0	0	0	0	0	0

0.975774	0.995721	0	0	0	0	0	0
0.974043	0.964163	0	0	0	0	0	0
0.982981	0.949726	0	0	0	0	0	0
0.977505	0.972339	0	0	0	0	0	0
0.971894	0.974782	0	0	0	0	0	0
0.851943	0.901209	0	0	0	0	0	0
0.969943	0.736389	0.02	0	0	0	0	0
0.986308	0.937898	0	0	0	0	0	0
0.987564	0.96945	0	0	0	0	0	0
0.984193	0.918613	0	0	0	0	0	0
0.981251	0.906888	0	0	0	0	0	0
0.98255	0.978789	0	0	0	0	0	0
0.011374	0.023947	0	0	0	0	0	0
0.010117	0.023824	0	0	0	0	0	0
0.016069	0.038112	0	0	0	0	0	0
0.994059	0.982432	0	0	0	0	0	0
0.962341	0.952817	0	0	0	0	0	0
0.929217	0.873079	0	0	0	0	0	0
0.492636	0.6362	0	0	0	0	0	0
0.986012	0.976235	0	0	0	0	0	0
0.990503	0.983696	0	0	0	0	0	0
0.993325	0.987774	0	0	0	0	0	0
0.310467	0.113824	0	0	0	0	0	0
0.040113	0.089986	0	0	0	0	0	0
0.849744	0.79323	0	0	0	0	0	0
0.971111	0.875422	0	0	0	0	0	0
0.969965	0.985476	0	0	0	0	0	0
0.945626	0.977152	0	0	0	0	0	0
0.87673	0.952066	0	0	0	0	0	0
0.071944	0.119781	0	0	0	0	0	0
0.047598	0.058069	0	0	0	0	0	0
0.963165	0.97656	0	0	0	0	0	0
0.499685	0.627363	0	0	0	0	0	0
0.010453	0.035269	0	0	0	0	0	0
0.997402	0.991534	0	0	0	0	0	0
0.215605	0.227429	0	0	0	0	7	7
0.00831	0.014081	0	1	0	0	0	0
0.156615	0.125366	0	4	0	0	0	0
0.991833	0.965848	0	0	0	0	0	0
0.997379	0.992119	0	0	0	0	0	0
0.982407	0.992336	0	0	0	0	0	0
0.191081	0.146013	0	4	0	0	0	0
0.990695	0.322708	0.48	0	0	0	6	0
0.954203	0.607525	0.15	0	0	0	0	0
0.997234	0.835228	0.07	0	0	0	8	8
0.995103	0.993409	0	0	0	0	0	0
0.997897	0.994894	0	0	0	0	0	0

0.996118	0.99649	0	0	0	0	0	0
0.995293	0.551274	0.38	0	0	0	13	20
0.598417	0.497601	0	9	16	16	20	21
0.990803	0.996593	0	0	9	9	0	0
0.968578	0.994204	0	0	0	0	0	0
0.956307	0.98297	0	0	0	0	0	0
0.982958	0.993384	0	0	0	0	0	0
0.983198	0.94732	0	0	0	0	0	0
0.988017	0.79026	0.06	0	0	0	0	0
0.987198	0.974343	0	0	0	0	0	0
0.04725	0.043848	0	0	0	0	0	0
0.029563	0.077495	0	0	0	0	0	0
0.026937	0.041036	0	0	0	0	0	0
0.902072	0.963243	0	0	0	0	0	0
0.988007	0.984094	0	0	0	0	0	0
0.98437	0.988306	0	0	0	0	0	0
0.985896	0.980888	0	0	0	0	0	0
0.990827	0.992002	0	0	0	0	0	0
0.96798	0.96789	0	0	0	0	0	0
0.961462	0.881684	0	0	0	0	0	0
0.880774	0.939234	0	0	0	0	0	0
0.176044	0.067376	0	0	0	0	0	0
0.917317	0.510869	0.05	0	0	0	0	0
0.968858	0.969905	0	0	0	0	0	0
0.965806	0.970074	0	0	0	0	0	0
0.939512	0.945451	0	0	0	0	0	0
0.930196	0.961755	0	0	0	0	0	0
0.994921	0.995203	0	0	0	0	0	0
0.994119	0.992382	0	0	0	0	0	0
0.999346	0.99931	0	0	0	0	0	0
0.990656	0.987604	0	0	0	0	0	0
0.976118	0.956595	0	0	0	0	0	0
0.979374	0.96884	0	0	0	0	0	0
0.007363	0.022709	0.01	0	0	0	0	0
0.993059	0.993099	0	0	0	0	0	0
0.993979	0.993723	0	0	0	0	0	0
0.993906	0.993119	0	0	0	0	0	0
0.998143	0.998875	0	0	0	0	0	0
0.997323	0.998991	0	0	0	0	0	0
0.995113	0.979121	0	0	1	1	0	0
0.9416	0.890222	0	0	0	0	2	2
0.943316	0.959757	0	0	0	0	0	0
0.999185	0.999669	0	0	0	0	0	0
0.989967	0.945898	0	0	0	0	0	0
0.994517	0.95168	0	0	0	0	0	0
0.208937	0.093158	0	0	0	0	0	0
0.787344	0.947182	0	0	0	0	0	0

0.962361	0.928104	0	0	0	0	0	0
0.926511	0.857685	0	0	0	0	0	0
0.961136	0.890509	0	0	0	0	0	0
0.98437	0.958103	0	0	0	0	0	0
0.981739	0.955921	0	0	0	0	0	0
0.007402	0.008375	0	0	0	0	0	0
0.946542	0.977882	0	0	0	0	0	0
0.014992	0.01458	0	0	0	0	0	0
0.994516	0.987735	0	0	0	0	0	0
0.247952	0.16771	0	0	0	0	0	0
0.961336	0.966355	0	0	0	0	0	0
0.992886	0.98671	0	0	0	0	0	0
0.956277	0.944433	0	0	0	0	0	0
0.958992	0.970238	0	0	0	0	0	0
0.969585	0.799457	0	0	0	0	0	0
0.995958	0.995404	0	0	0	0	0	0
0.994847	0.971181	0	0	0	0	0	0
0.994599	0.991165	0	0	0	0	0	0
0.921908	0.748816	0.06	0	0	0	0	0
0.924599	0.760798	0.01	0	0	0	0	0
0.788037	0.760726	0	0	0	0	0	0
0.978622	0.984209	0	0	0	0	0	0
0.966739	0.97659	0	0	0	0	0	0
0.977851	0.930941	0	0	0	0	0	0
0.972587	0.843849	0	0	0	0	0	0
0.981312	0.930941	0	0	0	0	0	0
0.985765	0.972084	0	0	0	0	0	0
0.97441	0.978787	0	0	0	0	0	0
0.007552	0.010803	0	0	0	0	0	0
0.01149	0.039767	0	0	0	0	0	0
0.986096	0.953271	0.01	0	0	0	0	0
0.996785	0.996592	0	0	0	0	0	0
0.997347	0.997247	0	0	0	0	0	0
0.969077	0.982455	0	0	0	0	0	0
0.996998	0.998182	0	0	0	0	0	0
0.99804	0.997837	0	0	0	0	0	0
0.013613	0.08771	0.02	0	0	0	0	0
0.024794	0.170891	0.09	0	0	0	0	0
0.99559	0.993041	0	0	0	0	0	0
0.999328	0.998754	0	0	0	0	0	0
0.993876	0.994329	0	0	0	0	0	0
0.946902	0.972653	0	0	0	0	0	0
0.997537	0.993677	0	0	0	0	0	0
0.99234	0.998459	0	0	0	0	0	0
0.998419	0.99768	0	0	0	0	0	0
0.998387	0.979221	0	0	0	0	0	0
0.983042	0.971536	0	0	0	0	0	0

0.997542	0.983345	0	0	0	0	0	0
0.995433	0.976171	0	0	0	0	0	0
0.215568	0.626642	0.21	0	0	0	0	0
0.999085	0.994679	0	0	0	0	0	0
0.993956	0.994727	0	0	0	0	0	0
0.974757	0.989391	0	0	0	0	0	0
0.885933	0.933455	0	0	0	0	0	0
0.976069	0.967543	0	0	0	0	0	0
0.99112	0.994389	0	0	0	0	0	0
0.987712	0.989057	0	0	0	0	0	0
0.927928	0.963512	0	0	0	0	0	0
0.971735	0.950538	0	0	0	0	0	0
0.977643	0.933631	0	0	0	0	0	0
0.967369	0.919505	0	0	0	0	0	0
0.974966	0.941779	0	0	0	0	0	0
0.958605	0.955506	0	0	0	0	0	0
0.969802	0.963628	0	0	0	0	0	0
0.994745	0.888328	0.11	0	0	0	0	0
0.056064	0.064533	0	0	0	0	0	0
0.967684	0.949343	0	0	0	0	0	0
0.979341	0.972919	0	0	0	0	0	0
0.897631	0.917744	0	0	0	0	0	0
0.968953	0.939621	0	0	0	0	0	0
0.97193	0.946672	0	0	0	0	0	0
0.013263	0.076111	0.02	7	13	38	7	2
0.033443	0.081132	0	0	12	0	3	3
0.983008	0.979617	0	0	9	0	3	18
0.972456	0.921272	0	0	0	0	0	0
0.034177	0.072435	0	0	0	0	0	0
0.983487	0.986461	0	0	0	0	0	0
0.977801	0.969439	0	0	0	0	0	0
0.038468	0.066623	0	0	0	0	0	0
0.025193	0.063792	0	0	0	0	0	0
0.993326	0.895102	0.01	0	0	0	0	0
0.99326	0.858843	0.07	0	0	0	0	2
0.99436	0.986243	0	0	0	0	0	0
0.989121	0.972104	0	0	0	0	0	0
0.02639	0.066839	0	0	0	0	0	0
0.990573	0.980283	0	0	0	0	0	0
0.031139	0.07281	0	0	0	0	0	0
0.962921	0.788447	0.01	0	0	0	0	0
0.984812	0.958448	0	0	0	0	0	0
0.979753	0.932982	0	0	0	0	0	0
0.056091	0.045828	0	0	0	0	0	0
0.015028	0.043214	0	0	0	0	0	0
0.989221	0.982297	0	0	0	0	0	0
0.983809	0.989962	0	0	0	0	0	0

0.97674	0.746246	0.05	0	0	0	0	0
0.964229	0.597375	0.12	0	0	0	0	0
0.979702	0.785083	0.05	0	0	0	0	0
0.990212	0.858137	0.04	0	0	0	0	0
0.955919	0.922846	0	0	0	0	0	0
0.924297	0.964855	0	0	0	0	0	0
0.309315	0.784204	0.34	0	0	0	0	0
0.738662	0.894292	0.01	0	0	0	0	0
0.24867	0.398217	0.02	0	0	0	0	0
0.259878	0.217531	0	0	0	0	0	0
0.212913	0.299939	0	0	0	0	0	0
0.047863	0.078662	0	0	0	0	0	0
0.01767	0.022434	0	0	0	0	0	0
0.987747	0.963701	0	0	0	0	0	0
0.030074	0.039108	0	0	0	0	0	0
0.990367	0.964224	0	0	0	0	0	0
0.986192	0.971281	0	0	0	0	0	0
0.010479	0.01612	0	0	0	0	0	0
0.969835	0.986863	0	0	0	0	0	0
0.970495	0.983381	0	0	0	0	0	0
0.981012	0.989782	0	0	0	0	0	0
0.94474	0.979828	0	0	0	0	0	0
0.989195	0.996146	0	0	0	0	0	0
0.981148	0.955548	0	0	0	0	0	0
0.998492	0.956585	0.01	0	0	0	0	0
0.99828	0.939547	0.02	0	0	0	0	0
0.980905	0.907511	0	0	0	0	0	0
0.984358	0.961305	0	0	0	0	0	0
0.954987	0.709634	0	0	0	0	0	0
0.988153	0.986026	0	0	0	0	0	0
0.992014	0.993883	0	0	0	0	0	0
0.998565	0.993497	0	0	0	0	0	0
0.998797	0.996186	0	0	0	0	0	0
0.068237	0.038359	0	0	1	0	0	0
0.979572	0.757882	0.02	0	0	0	0	0
0.984699	0.986137	0	0	0	0	0	0
0.95111	0.909512	0	0	0	0	0	0
0.975455	0.730086	0.09	0	0	0	0	0
0.959505	0.950016	0	0	0	0	0	0
0.966721	0.963774	0	0	0	0	0	0
0.957713	0.951728	0	0	0	0	0	0
0.942305	0.947348	0	0	0	0	0	0
0.95937	0.969998	0	0	0	0	0	0
0.972249	0.978562	0	0	0	0	0	0
0.980433	0.977921	0	0	0	0	0	0
0.980675	0.977997	0	0	0	0	0	0
0.1277	0.100379	0	0	0	0	0	0

0.981154	0.966125	0	0	0	0	0	0
0.935624	0.919407	0	0	0	0	0	0
0.104619	0.13904	0	0	0	0	0	0
0.952185	0.946445	0	0	0	0	0	0
0.954713	0.97918	0	0	0	0	0	0
0.951919	0.98479	0	0	0	0	0	0
0.945483	0.931844	0	0	0	0	0	0
0.995994	0.975716	0	0	0	0	0	0
0.990101	0.975939	0	0	0	0	0	0
0.052759	0.029871	0	0	0	0	0	0
0.982837	0.959726	0	0	0	0	0	0
0.977476	0.95305	0	0	0	0	0	0
0.97448	0.874714	0	0	0	0	0	0
0.973017	0.714383	0.03	0	0	0	0	0
0.02833	0.043337	0	0	0	0	0	0
0.012949	0.065992	0	0	0	0	0	0
0.99673	0.99004	0	0	0	0	0	0
0.014736	0.008725	0	0	0	0	0	0
0.988734	0.994697	0	0	0	0	0	0
0.985484	0.996021	0	0	0	0	0	0
0.979554	0.996339	0	0	0	0	0	0
0.025354	0.025985	0	0	0	0	0	0
0.984825	0.9843	0	0	0	0	0	0
0.300254	0.075429	0.03	0	0	0	0	0
0.811595	0.820369	0	0	0	0	0	0
0.055082	0.039331	0	0	0	0	0	0
0.989779	0.975091	0	0	0	0	0	0
0.98847	0.860371	0.02	0	0	0	0	0
0.97274	0.82299	0.01	0	0	0	0	0
0.957579	0.928464	0	0	0	0	0	0
0.991938	0.98484	0	0	0	0	0	0
0.742182	0.520302	0	0	0	0	0	0
0.117069	0.061647	0	0	0	0	0	0
0.353546	0.159797	0	0	0	0	0	0
0.957541	0.766849	0.02	0	0	0	0	0
0.994474	0.998985	0	0	0	0	0	0
0.009032	0.007574	0	0	0	0	0	0
0.987168	0.995667	0	0	0	0	0	0
0.950688	0.930466	0	0	0	0	0	0
0.975264	0.955867	0	0	0	0	0	0
0.988343	0.973514	0	0	0	0	0	0
0.049215	0.008324	0	0	0	0	0	0
0.988346	0.913375	0	0	0	0	0	0
0.971182	0.958848	0	0	0	0	0	0
0.984734	0.976014	0	0	0	0	0	0
0.984987	0.989019	0	0	0	0	0	0
0.029075	0.019794	0	0	0	0	0	0

0.980455	0.993622	0	0	0	0	0	0
0.970691	0.976268	0	0	0	0	0	0
0.539348	0.379282	0	0	0	0	0	0
0.374386	0.343064	0	0	0	0	0	0
0.049164	0.099203	0	0	0	0	0	0
0.048147	0.085799	0	0	0	0	0	0
0.980237	0.978917	0	0	0	0	0	0
0.766658	0.83557	0	0	0	0	0	0
0.766546	0.977936	0.02	0	0	0	0	0
0.806601	0.981254	0.02	0	0	0	0	0
0.79825	0.976245	0.01	0	0	0	0	0
0.775411	0.969213	0	0	0	0	0	0
0.812007	0.979936	0.02	0	0	0	0	0
0.907983	0.981556	0	0	0	0	0	0
0.950878	0.810762	0	0	0	0	0	0
0.993752	0.989636	0	0	0	0	0	0
0.990493	0.988639	0	0	0	0	0	0
0.92718	0.98442	0.02	1	0	0	0	0
0.941566	0.940938	0	0	0	0	0	0
0.930743	0.935037	0	0	0	0	0	0
0.822063	0.929704	0	0	0	0	0	0
0.010745	0.010205	0	0	0	0	0	0
0.990807	0.985046	0	0	0	0	0	0
0.994743	0.986606	0	0	0	0	0	0
0.956298	0.9852	0	0	0	0	0	0
0.984462	0.990373	0	0	0	0	0	0
0.991058	0.935984	0	0	0	0	0	0
0.991952	0.992712	0	0	0	0	0	0
0.96275	0.746132	0	0	0	0	0	0
0.978831	0.971435	0	0	0	0	0	0
0.057084	0.047456	0	0	0	0	0	0
0.012358	0.066573	0	0	0	0	0	0
0.982677	0.869088	0	0	0	0	0	0
0.951863	0.733938	0.06	0	0	0	0	0
0.996761	0.932736	0.01	0	0	0	0	0
0.99658	0.993181	0	0	0	0	0	0
0.996467	0.995657	0	0	0	0	0	0
0.996269	0.996004	0	0	0	0	0	0
0.996576	0.996579	0	0	0	0	0	0
0.01801	0.024703	0	0	0	3	0	0
0.997512	0.993647	0	0	0	0	0	0
0.990364	0.910304	0.02	0	0	0	0	0
0.92508	0.697912	0	4	0	0	0	0
0.963794	0.953882	0	0	0	0	0	0
0.969217	0.903804	0	0	0	0	0	0
0.957973	0.825646	0	0	0	0	0	0
0.959123	0.687487	0.05	0	0	0	0	0

0.967559	0.951423	0	0	0	0	0	0
0.979857	0.945589	0	0	0	0	0	0
0.985331	0.94602	0	0	0	0	0	0
0.984215	0.95333	0	0	0	0	0	0
0.980131	0.92842	0	0	0	0	0	0
0.022728	0.047056	0	0	0	0	0	0
0.017097	0.031254	0	0	0	0	0	0
0.987218	0.980409	0	0	0	0	0	0
0.981625	0.9666	0	0	0	0	0	0
0.990526	0.981995	0	0	0	0	0	0
0.978433	0.959692	0	0	0	0	0	0
0.985801	0.935413	0	0	0	0	0	0
0.721786	0.699273	0	0	0	0	0	0
0.991886	0.955265	0	0	0	0	0	0
0.991755	0.97381	0	0	0	0	0	0
0.986466	0.978298	0	0	0	0	0	0
0.965252	0.726103	0	0	0	0	0	0
0.758692	0.583087	0	0	0	0	0	0
0.045173	0.213723	0	0	0	0	0	0
0.03458	0.047393	0	0	0	0	0	0
0.957092	0.942847	0	0	0	0	0	0
0.943034	0.967947	0	0	0	0	0	0
0.967757	0.900499	0	0	0	0	0	0
0.94306	0.936068	0	0	0	0	0	0
0.974343	0.955504	0	0	0	0	0	0
0.986341	0.973558	0	0	0	0	0	0
0.133558	0.636523	0.27	0	0	0	0	0
0.987167	0.885665	0.01	0	0	0	0	0
0.053804	0.029847	0	0	0	0	0	0
0.978042	0.973151	0	0	0	0	0	0
0.990008	0.988976	0	0	0	0	0	0
0.988319	0.991956	0	0	0	0	0	0
0.212718	0.1255	0	0	0	0	0	0
0.432925	0.376312	0	0	0	0	0	0
0.991992	0.988972	0	0	0	0	0	0
0.973067	0.976871	0	0	0	0	0	0
0.966264	0.975712	0	0	0	0	0	0
0.962305	0.954129	0	0	0	0	0	0
0.920727	0.930695	0	0	0	0	0	0
0.995335	0.968281	0	0	0	0	0	0
0.753813	0.830895	0	0	0	0	1	1
0.998814	0.998809	0	0	0	0	0	0
0.998181	0.994188	0	0	0	0	0	0
0.003331	0.004478	0	0	0	0	0	0
0.975487	0.916823	0	0	0	0	0	0
0.993738	0.123464	0.84	0	0	0	0	0
0.992852	0.115929	0.84	0	0	0	0	0

0.949901	0.814634	0	0	0	0	0	0
0.999157	0.999637	0	0	0	0	0	0
0.806791	0.9168	0.05	0	0	0	0	0
0.75398	0.649736	0.02	0	0	0	0	0
0.99696	0.985959	0	0	0	0	0	0
0.216212	0.146386	0	0	0	0	0	0
0.932442	0.898136	0	0	0	0	0	0
0.960271	0.949245	0	0	0	0	0	0
0.991978	0.745561	0.02	0	0	0	0	0
0.993175	0.979529	0	0	0	0	0	0
0.991992	0.982749	0	0	0	0	0	0
0.974862	0.986732	0	0	0	0	3	3
0.981451	0.991941	0	0	0	0	0	0
0.98054	0.982945	0	0	0	0	0	0
0.974974	0.990355	0	0	0	0	0	0
0.054771	0.018277	0	0	0	0	0	0
0.967007	0.967573	0	0	0	0	0	5
0.122923	0.642934	0.27	0	0	0	0	0
0.983019	0.986709	0	0	0	0	0	0
0.964685	0.973115	0	0	0	0	0	0
0.008561	0.007158	0	0	0	0	0	0
0.981096	0.840946	0.08	0	0	0	0	0
0.967537	0.987184	0	0	0	0	0	0
0.034709	0.042307	0	0	0	0	0	0
0.621232	0.956138	0.17	0	0	0	0	0
0.914532	0.955085	0	0	0	0	0	0
0.97442	0.965928	0	0	0	0	0	0
0.979629	0.969853	0	0	0	0	0	0
0.418187	0.640961	0	0	0	0	0	0
0.989997	0.988289	0	0	0	0	0	0
0.992625	0.982812	0	0	0	0	0	0
0.993562	0.983722	0	0	0	0	0	0
0.978317	0.640329	0.14	0	0	0	0	0
0.996247	0.980673	0	0	0	0	0	0
0.992749	0.982471	0	0	0	0	0	0
0.991515	0.84538	0.07	0	0	0	0	0
0.994259	0.978509	0	0	0	0	0	0
0.941033	0.957959	0	0	0	0	0	0
0.992908	0.995288	0	0	0	0	0	0
0.961188	0.982138	0	0	0	0	0	0
0.972815	0.984597	0	0	0	0	0	0
0.968695	0.97428	0	0	0	0	0	0
0.977601	0.989725	0	0	0	0	0	0
0.961347	0.969878	0	0	0	0	0	0
0.049467	0.061866	0	0	0	0	0	0
0.968062	0.955336	0	0	0	0	0	0
0.047608	0.034306	0	0	0	0	0	0

0.970887	0.985124	0	0	0	0	0	0
0.905758	0.96813	0	0	0	0	0	0
0.965566	0.942913	0	0	0	0	0	0
0.964598	0.975311	0	0	0	0	0	0
0.994449	0.988947	0	0	0	0	0	0
0.026875	0.036434	0	0	0	0	0	0
0.98671	0.985957	0	0	0	0	0	0
0.980073	0.971655	0	0	0	0	0	0
0.99531	0.995099	0	0	0	0	0	0
0.01711	0.049925	0	0	0	0	0	0
0.163223	0.619156	0.24	0	0	0	0	0
0.981865	0.99737	0	0	0	0	0	0
0.035422	0.007498	0	0	0	0	0	0
0.990849	0.973554	0	0	0	0	0	0
0.982168	0.951024	0	0	0	0	0	0
0.979631	0.951824	0	0	0	0	0	0
0.988971	0.978935	0	0	0	0	0	0
0.978199	0.909965	0	0	0	0	0	0
0.935477	0.84074	0	0	0	0	0	0
0.204004	0.111706	0	0	0	0	0	0
0.817777	0.959421	0	0	0	0	0	0
0.983123	0.95747	0	0	0	0	0	0
0.988833	0.976702	0	0	0	0	0	0
0.952353	0.943728	0	0	0	0	0	0
0.997018	0.999137	0	0	0	0	0	0
0.894041	0.940226	0	0	0	0	0	0
0.991927	0.97866	0	0	0	0	0	0
0.044917	0.058062	0	0	0	0	0	0
0.972065	0.884673	0	0	0	0	0	0
0.971905	0.992066	0	0	0	0	0	0
0.971452	0.989355	0	0	0	0	0	0
0.979505	0.835359	0.02	0	0	0	0	0
0.96819	0.9811	0	0	0	0	0	0
0.969332	0.98421	0	0	0	0	0	0
0.902923	0.983708	0	0	0	0	0	0
0.967113	0.979176	0	0	0	0	0	0
0.96376	0.954658	0	0	0	0	0	0
0.970556	0.969892	0	0	0	0	0	0
0.978388	0.972537	0	0	0	0	0	0
0.040953	0.045126	0	0	0	0	0	0
0.956057	0.917209	0	0	0	0	0	0
0.981536	0.710189	0.08	0	0	0	0	0
0.980834	0.937656	0	0	0	0	0	0
0.05145	0.043593	0	0	0	0	0	0
0.970986	0.948275	0	0	0	0	0	0
0.965578	0.907804	0	0	0	0	0	0
0.891068	0.916013	0	0	0	0	0	0

0.959377	0.943875	0	0	0	0	0	0
0.977837	0.964137	0	0	0	0	0	0
0.971077	0.929046	0	0	0	0	0	0
0.968125	0.952468	0	0	0	0	0	0
0.971736	0.941592	0	0	0	0	0	0
0.960387	0.955601	0	0	0	0	0	0
0.977905	0.950234	0	0	0	0	0	0
0.9582	0.947192	0	0	0	0	0	0
0.959219	0.956819	0	0	0	0	0	0
0.971058	0.956204	0	0	0	0	0	0
0.034441	0.091996	0	0	0	0	0	0
0.988189	0.981622	0	0	0	0	0	0
0.987072	0.984256	0	0	0	0	0	0
0.980931	0.971087	0	0	0	0	0	0
0.985682	0.985702	0	0	0	0	0	0
0.973837	0.970118	0	0	0	0	0	0
0.045656	0.109424	0	0	0	0	0	0
0.964236	0.958918	0	0	0	0	0	0
0.96489	0.956054	0	0	0	0	0	0
0.963849	0.950482	0	0	0	0	0	0
0.976441	0.976054	0	0	0	0	0	0
0.941839	0.968582	0	0	0	0	0	0
0.647941	0.420918	0	0	0	0	0	0
0.977342	0.980931	0	0	0	0	0	0
0.576582	0.666804	0	0	0	0	0	0
0.978041	0.945878	0	0	0	0	0	0
0.997529	0.986953	0	0	0	0	0	0
0.997891	0.987823	0.01	0	0	0	0	0
0.997753	0.996255	0	0	0	0	0	0
0.992023	0.994429	0	0	0	0	0	0
0.023415	0.011687	0	0	0	0	0	0
0.93143	0.930428	0	0	0	0	0	0
0.949903	0.958585	0	0	0	0	0	0
0.003302	0.003566	0	0	0	0	0	0
0.998826	0.975319	0	0	0	0	0	0
0.985974	0.982032	0	0	0	0	0	0
0.020747	0.047318	0	0	0	0	0	0
0.990764	0.985099	0	0	0	0	0	0
0.988107	0.982798	0	0	0	0	0	0
0.989011	0.980366	0	0	0	0	0	0
0.968405	0.973718	0	0	0	0	0	0
0.991179	0.987756	0	0	0	0	0	0
0.009928	0.010729	0	0	0	0	0	0
0.254341	0.451307	0.05	0	0	0	0	0
0.985331	0.982455	0	0	0	0	0	0
0.988672	0.968064	0	0	0	0	0	0
0.420071	0.486525	0	0	0	0	0	0

0.993086	0.98262	0	0	0	0	0	0
0.98709	0.954515	0	0	0	0	0	0
0.052614	0.10575	0	0	0	0	0	0
0.022355	0.031107	0	0	0	0	0	0
0.596808	0.440421	0.02	0	0	0	0	0
0.997188	0.998623	0	0	0	0	0	0
0.023242	0.270418	0.08	0	0	0	0	0
0.969271	0.656613	0.11	0	0	0	0	0
0.002915	0.001077	0	0	0	0	0	0
0.999643	0.999392	0	0	0	0	0	0
0.018797	0.03985	0	0	0	0	0	0
0.990211	0.997586	0	0	2	0	0	0
0.997103	0.99866	0	0	0	0	0	0
0.998229	0.996186	0	0	0	0	0	0
0.002619	0.001786	0	0	0	0	0	0
0.997647	0.999261	0	0	0	0	0	0
0.990399	0.997388	0	0	2	0	0	0
0.99719	0.999279	0	0	2	0	0	0
0.997454	0.999386	0	0	2	0	0	0
0.998054	0.998748	0	0	2	0	0	0
0.991893	0.998787	0	0	0	0	0	0
0.945304	0.70287	0.03	0	0	0	0	0
0.990116	0.983705	0	0	0	0	0	0
0.993295	0.509781	0.34	0	0	0	0	0
0.95021	0.946953	0	0	0	0	0	0
0.00454	0.017834	0	0	0	0	0	0
0.997709	0.99025	0	0	0	0	0	0
0.974279	0.966125	0	0	0	0	0	0
0.963326	0.973817	0	0	0	0	0	0
0.970794	0.987193	0	0	0	0	0	0
0.994661	0.994126	0	0	0	0	0	0
0.951575	0.987783	0	0	0	0	0	0
0.954722	0.969908	0	0	0	0	0	0
0.972644	0.973375	0	0	0	0	0	0
0.994721	0.980927	0	0	0	0	0	0
0.993753	0.978672	0	0	0	0	0	0
0.01509	0.023066	0	0	0	0	0	0
0.040286	0.267712	0.13	0	0	0	0	0
0.995344	0.980877	0	0	0	0	0	0
0.990246	0.992541	0	0	0	0	0	0
0.991353	0.865261	0.04	0	0	0	0	0
0.977315	0.97102	0	0	0	0	0	0
0.978021	0.974632	0	0	0	0	0	0
0.992626	0.985732	0	0	3	0	0	0
0.992654	0.988501	0	0	0	0	0	0
0.992309	0.860013	0.02	0	0	0	0	0
0.840801	0.747109	0	0	0	0	0	0

0.805292	0.716927	0	0	0	0	0	0
0.997415	0.996836	0	0	0	0	0	0
0.127605	0.310206	0.04	0	0	0	0	0
0.665364	0.552644	0.01	0	0	0	0	0
0.124125	0.163428	0	0	0	5	0	0
0.979292	0.97106	0	0	0	0	0	0
0.99438	0.993666	0	0	0	0	0	0
0.367296	0.474537	0	0	0	0	0	0
0.991816	0.977774	0	0	0	0	0	0
0.975226	0.945044	0	0	0	0	0	0
0.976163	0.950926	0	0	0	0	0	0
0.981436	0.943798	0	0	0	0	0	0
0.972424	0.935996	0	0	0	0	0	0
0.972534	0.936361	0	0	0	0	0	0
0.109543	0.971737	0.63	0	0	0	0	0
0.996954	0.99649	0	0	0	0	0	0
0.930209	0.667634	0.13	0	0	0	0	0
0.997887	0.982664	0	0	0	0	0	0
0.957394	0.953399	0	0	0	0	0	0
0.99852	0.99279	0	0	0	0	0	0
0.004211	0.014558	0	0	0	0	0	0
0.98523	0.970499	0	0	0	0	0	0
0.98696	0.984571	0	0	0	0	0	0
0.061697	0.201287	0	0	0	0	0	0
0.90147	0.946432	0	0	0	0	0	0
0.997786	0.998716	0	0	0	0	0	0
0.986745	0.989193	0	0	0	0	0	0
0.997996	0.998267	0	0	0	0	0	0
0.99349	0.989094	0	0	0	0	0	0
0.998765	0.997463	0	0	0	0	4	0
0.997603	0.9979	0	0	0	0	0	0
0.995849	0.992859	0	0	0	0	0	0
0.991042	0.845248	0.07	0	0	0	0	0
0.902394	0.792578	0	0	0	0	0	0
0.936375	0.839097	0	0	0	0	0	0
0.112206	0.078277	0	0	0	0	0	0
0.975436	0.941778	0	0	0	0	0	0
0.892384	0.92079	0	0	0	0	0	0
0.959271	0.957633	0	0	0	0	0	0
0.996495	0.997617	0	0	0	0	0	0
0.009056	0.00527	0	0	0	0	0	0
0.009001	0.002559	0	0	0	0	0	0
0.024941	0.083602	0	0	0	0	0	0
0.983657	0.995114	0	0	0	0	0	0
0.996533	0.998281	0	0	0	0	0	0
0.997566	0.847467	0.1	0	0	0	0	0
0.998101	0.997471	0	0	0	0	0	0

0.996879	0.998301	0	0	0	0	0	0
0.003361	0.017125	0	0	0	0	0	0
0.012741	0.041768	0	0	0	0	0	0
0.987575	0.858386	0.06	0	0	0	0	0
0.884256	0.956549	0	0	0	0	0	0
0.981076	0.983644	0	0	0	0	0	0
0.968906	0.969239	0	0	0	0	0	0
0.986221	0.971479	0	0	0	0	0	0
0.976618	0.969883	0	0	0	0	0	0
0.48096	0.463335	0	0	0	0	0	0
0.9856	0.957193	0	0	0	0	0	0
0.958309	0.956055	0	0	0	0	0	0
0.107259	0.117021	0	0	0	0	0	0
0.300583	0.386227	0	0	0	0	0	0
0.004682	0.010274	0	0	0	0	0	0
0.990657	0.994764	0	0	0	0	0	0
0.035317	0.016849	0	0	0	0	0	0
0.026772	0.026011	0	0	0	0	0	0
0.397464	0.22345	0	0	0	0	0	0
0.049326	0.017068	0	0	0	0	0	0
0.05188	0.017915	0	0	0	0	0	0
0.084343	0.032926	0	0	0	0	0	0
0.377805	0.251198	0	0	0	0	0	0
0.988204	0.970202	0	0	0	0	0	0
0.91815	0.867897	0	0	0	0	0	0
0.024623	0.010852	0	0	0	0	0	0
0.034053	0.020754	0	0	0	0	0	0
0.982003	0.985541	0	0	0	0	0	0
0.97966	0.980034	0	0	0	0	0	0
0.011272	0.025195	0	0	0	0	0	0
0.021694	0.008457	0	0	0	0	0	0
0.996052	0.813662	0.12	0	0	0	0	0
0.961704	0.94003	0	0	0	0	0	0
0.942279	0.922927	0	0	0	0	0	0
0.981063	0.988566	0	0	0	0	0	0
0.91391	0.972586	0	0	0	0	0	0
0.968431	0.875547	0	0	0	0	0	0
0.977063	0.958525	0	0	0	0	0	0
0.975566	0.958077	0	0	0	0	0	0
0.978016	0.947749	0	0	0	0	0	0
0.988459	0.95587	0	0	0	0	0	0
0.97909	0.963192	0	0	0	0	0	0
0.983819	0.937192	0	0	0	0	0	0
0.986241	0.971164	0	0	0	0	0	0
0.981564	0.956398	0	0	0	0	0	0
0.989384	0.960569	0	0	0	0	0	0
0.986912	0.946753	0	0	0	0	0	0

0.01633	0.042002	0	0	0	0	0	0
0.988585	0.977519	0	0	0	0	0	0
0.993121	0.677826	0.15	0	0	0	0	0
0.996111	0.995535	0	0	0	0	0	0
0.995082	0.99324	0	0	0	0	0	0
0.055898	0.115922	0	0	0	0	0	0
0.986195	0.985336	0	0	0	0	0	0
0.996169	0.99629	0	0	0	0	0	0
0.973447	0.924222	0	0	0	0	0	0
0.979473	0.968063	0	0	0	0	0	0
0.980457	0.937899	0	0	0	0	0	0
0.95704	0.976262	0	0	0	0	0	0
0.942943	0.976846	0	0	0	0	0	0
0.945836	0.956223	0	0	0	0	0	0
0.94132	0.800124	0	0	0	0	0	0
0.995045	0.996921	0	0	0	0	0	0
0.996055	0.997116	0	0	0	0	0	0
0.995784	0.996816	0	0	0	0	0	0
0.997443	0.997916	0	0	0	0	0	0
0.005143	0.003856	0	0	0	0	0	0
0.994434	0.981858	0	0	0	0	0	0
0.040961	0.047564	0	0	0	0	0	0
0.99539	0.99759	0	0	0	0	0	0
0.029599	0.035989	0	0	0	0	0	0
0.98324	0.991164	0	0	0	0	0	0
0.962003	0.973469	0	0	0	0	0	0
0.958023	0.975995	0	0	0	0	0	0
0.019322	0.32738	0.16	0	0	0	0	0
0.948913	0.959921	0	0	0	0	0	0
0.943047	0.897706	0	0	0	0	0	0
0.950645	0.615997	0.1	0	0	0	0	0
0.995552	0.984726	0	0	0	0	0	0
0.980311	0.990091	0	0	0	0	0	0
0.991498	0.973642	0	0	0	0	0	0
0.990309	0.996993	0	0	0	0	0	0
0.987134	0.986022	0	0	0	0	0	0
0.011285	0.025415	0	0	0	0	0	0
0.592342	0.558355	0	0	0	0	0	6
0.94392	0.975633	0	0	0	0	0	0
0.921426	0.668003	0	0	0	0	0	0
0.939814	0.940761	0	0	0	0	0	0
0.847352	0.945684	0	0	0	0	0	0
0.926846	0.863323	0	0	0	0	0	0
0.951968	0.949214	0	0	0	0	0	0
0.022912	0.039128	0	0	0	0	0	0
0.843658	0.908293	0	0	0	0	0	0
0.990195	0.990948	0	0	0	0	0	0

0.01116	0.008691	0	0	0	0	0	0
0.993727	0.995141	0	0	0	0	0	0
0.995255	0.997396	0	0	0	0	0	0
0.989657	0.991668	0	0	0	0	0	0
0.988025	0.993272	0	0	0	0	0	0
0.99289	0.994923	0	0	0	0	0	0
0.959437	0.967103	0	0	0	0	0	0
0.968823	0.966255	0	0	0	0	0	0
0.020143	0.04114	0	0	0	0	0	0
0.008752	0.015526	0	0	0	0	0	0
0.964668	0.784119	0.11	0	0	0	0	0
0.013298	0.027553	0	0	0	0	0	0
0.9236	0.764814	0.16	0	0	0	0	0
0.001443	0.002288	0	0	0	0	0	0
0.951854	0.985277	0	0	0	0	0	0
0.985749	0.975948	0	0	0	0	0	0
0.985827	0.93042	0	0	0	0	0	0
0.990329	0.985473	0	0	0	0	0	0
0.984824	0.985944	0	0	0	0	0	0
0.983411	0.950032	0	0	0	0	0	0
0.983325	0.945005	0	0	0	0	0	0
0.106685	0.143377	0	0	0	0	0	0
0.437146	0.356519	0	0	0	0	0	0
0.973381	0.983845	0	0	0	0	0	0
0.997404	0.994767	0	0	0	0	0	0
0.993052	0.996942	0	0	0	0	0	0
0.986572	0.986478	0	0	0	0	0	0
0.011484	0.021862	0	0	0	0	0	0
0.997733	0.968376	0	0	0	0	0	0
0.003946	0.004896	0	0	0	0	0	0
0.986297	0.995124	0	0	0	0	0	0
0.987793	0.988136	0	0	0	0	0	0
0.649209	0.557021	0	3	0	0	0	0
0.996526	0.996889	0	0	0	0	0	0
0.993916	0.995183	0	0	0	0	0	0
0.993536	0.995086	0	0	0	0	0	0
0.993315	0.985843	0	0	0	0	3	3
0.940218	0.992584	0.01	0	0	0	0	0
0.989968	0.97071	0	0	0	0	0	0
0.024335	0.031804	0	0	0	0	0	0
0.987064	0.988657	0	0	0	0	0	0
0.989513	0.989039	0	0	0	0	0	0
0.992581	0.603996	0.22	0	0	0	0	0
0.983935	0.974238	0	0	0	0	0	0
0.119585	0.076662	0	0	0	0	0	0
0.019172	0.131082	0	0	0	0	0	0
0.991206	0.962824	0	0	0	0	0	0

0.993341	0.985237	0	0	0	0	0	0
0.982198	0.932812	0	0	0	0	0	0
0.722749	0.429085	0.11	0	0	0	0	0
0.885339	0.604055	0	0	0	0	0	0
0.147246	0.137222	0	0	0	6	0	0
0.015731	0.039026	0	0	0	0	0	0
0.028397	0.038458	0	0	0	0	0	0
0.982106	0.985724	0	0	0	0	0	0
0.986807	0.983611	0	0	0	0	0	0
0.945324	0.971105	0	0	0	0	0	0
0.977094	0.991275	0	0	0	0	0	0
0.38685	0.539339	0	0	0	0	0	0
0.836953	0.956068	0	0	0	0	0	0
0.017291	0.01045	0	0	0	0	0	0
0.994669	0.994376	0	0	0	0	0	0
0.995141	0.994276	0	0	0	0	0	0
0.022059	0.021919	0	0	0	0	0	0
0.990866	0.992681	0	0	0	0	0	0
0.983861	0.872981	0.04	0	0	0	0	0
0.989685	0.967128	0	0	0	0	0	0
0.929787	0.938305	0	0	0	0	0	0
0.946605	0.962752	0	0	0	0	0	0
0.994726	0.997885	0	0	0	0	0	0
0.997266	0.998631	0	0	0	0	0	0
0.991175	0.986587	0	0	0	0	0	0
0.942815	0.900305	0	0	0	0	0	0
0.651513	0.423814	0	0	0	0	0	0
0.018674	0.023657	0	0	0	0	0	0
0.998275	0.54564	0.34	0	0	0	2	0
0.01096	0.018711	0	0	0	0	0	0
0.00505	0.004268	0	0	0	0	0	0
0.19295	0.252014	0	0	0	0	0	0
0.594097	0.902862	0	0	0	0	0	0
0.993984	0.798223	0.09	0	0	0	0	0
0.995452	0.808355	0.11	0	0	0	0	0
0.0582	0.033464	0	0	0	0	0	0
0.089857	0.272175	0	0	0	0	0	0
0.036682	0.099609	0	0	0	0	0	0
0.503518	0.590734	0	0	0	0	0	0
0.994103	0.985755	0	0	0	0	0	0
0.995309	0.986043	0	0	0	0	0	0
0.993383	0.99113	0	0	0	0	0	0
0.020097	0.024455	0	0	0	0	0	0
0.023124	0.13286	0	0	0	0	0	0
0.991409	0.98083	0	0	0	0	0	0
0.027654	0.091628	0	0	0	0	0	0
0.007428	0.009321	0	0	0	0	0	0

0.998312	0.996185	0	0	0	0	0	0
0.995483	0.999145	0	0	0	0	0	0
0.002161	0.002604	0	0	0	0	0	0
0.989772	0.991789	0	0	0	0	0	0
0.020996	0.024914	0	0	0	0	0	0
0.994946	0.99661	0	0	0	0	0	0
0.988124	0.796778	0.11	0	0	0	0	0
0.015191	0.01198	0	0	0	4	0	0
0.992898	0.991804	0	0	0	0	0	0
0.01719	0.029046	0	0	0	0	0	0
0.955733	0.624662	0.19	0	0	5	4	0
0.709416	0.300164	0.23	0	0	0	0	0
0.936761	0.855345	0	0	0	0	0	0
0.032581	0.017269	0	0	0	0	0	0
0.99431	0.996941	0	0	0	0	0	0
0.992461	0.986177	0	0	0	0	0	0
0.994771	0.994313	0	0	0	0	0	0
0.996867	0.997671	0	0	0	0	0	0
0.993886	0.997363	0	0	0	0	0	0
0.008101	0.00331	0	0	0	0	0	0
0.993645	0.995389	0	0	0	0	0	0
0.995753	0.99667	0	0	0	0	0	0
0.011118	0.006531	0	0	0	0	0	0
0.996654	0.995182	0	0	0	0	0	0
0.991961	0.997503	0	0	0	0	0	0
0.873385	0.959411	0.03	0	0	0	0	0
0.141894	0.054842	0.02	0	0	0	0	0
0.991251	0.986849	0	0	0	0	0	0
0.99128	0.983075	0	0	0	0	0	0
0.993472	0.983053	0	0	0	0	0	0
0.993364	0.993059	0	0	0	0	0	0
0.995452	0.996349	0	0	0	0	0	0
0.990976	0.995795	0	0	0	0	0	0
0.007849	0.007719	0	0	0	0	0	0
0.019563	0.011914	0	0	0	0	0	0
0.04131	0.01465	0	0	0	0	0	0
0.071344	0.040639	0	0	0	0	0	0
0.003305	0.005019	0	0	6	2	5	9
0.002064	0.003628	0	0	0	0	0	0
0.107278	0.377051	0.21	0	0	0	0	0
0.005586	0.016171	0	0	0	0	0	0
0.993755	0.997956	0	0	0	0	0	0
0.019254	0.004557	0	0	0	0	0	0
0.992157	0.986446	0	0	0	0	0	0
0.008266	0.046202	0	0	0	0	0	0
0.989003	0.984752	0	0	0	0	0	0
0.762877	0.146749	0.42	0	0	0	0	0

0.960153	0.968491	0	0	0	0	0	0
0.967462	0.987032	0	0	0	0	0	0
0.962106	0.982214	0	0	0	0	0	0
0.980516	0.97465	0	0	0	0	0	0
0.965859	0.946279	0	0	0	0	0	0
0.996407	0.99662	0	0	0	0	0	0
0.346747	0.425428	0	0	0	0	0	0
0.994417	0.973654	0	0	0	0	0	0
0.980635	0.814312	0.07	0	0	0	0	0
0.987849	0.887527	0.03	0	0	0	0	0
0.988295	0.97239	0	0	0	0	0	0
0.974985	0.935477	0	0	0	0	0	0
0.035082	0.047202	0	0	0	0	0	0
0.030313	0.051331	0	0	0	0	0	0
0.836701	0.77968	0	0	0	0	0	0
0.769134	0.677293	0	0	0	0	0	0
0.81171	0.784531	0	0	0	0	0	0
0.940926	0.952815	0	0	0	0	0	0
0.986071	0.949561	0	0	0	0	0	0
0.986801	0.981796	0	0	0	0	0	0
0.994004	0.994174	0	0	0	0	0	0
0.985682	0.976721	0	0	0	0	0	0
0.953565	0.963827	0	0	0	0	0	0
0.984587	0.960527	0	0	0	0	0	0
0.988235	0.992965	0	0	0	0	4	0
0.979411	0.969088	0	0	0	0	0	0
0.98819	0.978107	0	0	0	0	0	0
0.96827	0.977014	0	0	0	0	0	0
0.988989	0.982993	0	0	0	0	0	0
0.983749	0.877835	0	0	0	0	0	0
0.937191	0.870738	0	0	0	0	0	0
0.983853	0.976945	0	0	0	0	0	0
0.944181	0.95389	0	0	0	0	0	0
0.823922	0.63509	0	0	0	0	0	0
0.923196	0.889731	0	0	0	0	0	0
0.995763	0.99401	0	0	0	0	0	0
0.994966	0.990275	0	0	0	0	0	0
0.995322	0.993947	0	0	0	0	0	0
0.995688	0.992963	0	0	0	0	0	0
0.008651	0.013602	0	0	0	0	0	0
0.995861	0.98026	0	0	0	0	0	0
0.993242	0.995738	0	0	0	0	0	0
0.997514	0.998687	0	0	0	0	0	0
0.997896	0.992687	0	0	0	0	1	0
0.006826	0.012258	0	0	0	0	0	0
0.002688	0.001085	0	0	0	0	0	0
0.985874	0.976244	0	0	0	0	0	0

0.980968	0.996165	0	0	0	0	0	0
0.951209	0.939981	0	0	0	0	0	0
0.980245	0.978077	0	0	0	0	0	0
0.977412	0.930714	0	0	0	0	2	2
0.973682	0.915486	0	0	0	0	0	0
0.954676	0.952323	0	0	0	0	0	0
0.158024	0.244327	0	0	0	0	0	0
0.975731	0.792724	0.05	0	0	0	0	0
0.922704	0.963768	0	0	0	0	0	0
0.986749	0.860225	0.01	0	0	0	0	0
0.941709	0.97036	0	0	0	0	0	0
0.971661	0.989699	0	0	0	0	0	0
0.993108	0.997615	0	0	0	0	0	0
0.980319	0.972531	0	0	0	0	0	0
0.974608	0.981019	0	0	0	0	0	0
0.981426	0.975771	0	0	0	0	0	0
0.983869	0.967056	0	0	0	0	0	0
0.434152	0.599505	0	0	0	0	0	0
0.200925	0.336358	0	0	0	0	0	0
0.828716	0.941409	0	0	0	0	0	0
0.694754	0.555056	0	0	0	0	0	0
0.826716	0.742267	0	0	0	0	0	0
0.807689	0.76577	0	0	0	0	0	0
0.997987	0.989859	0	0	0	0	0	0
0.947437	0.933845	0	0	0	0	0	0
0.975771	0.920045	0	0	0	0	0	0
0.024689	0.033308	0	0	0	0	0	0
0.022042	0.02047	0	0	0	0	0	0
0.986159	0.991267	0	0	0	0	0	0
0.989068	0.916941	0	0	0	0	0	0
0.984729	0.965653	0	0	0	0	0	0
0.989523	0.987711	0	0	0	0	0	0
0.074334	0.083751	0	0	0	0	0	0
0.986597	0.984811	0	0	0	0	0	0
0.975186	0.967689	0	0	0	0	0	0
0.027367	0.043707	0	0	0	0	0	0
0.988409	0.982485	0	0	0	0	0	0
0.990115	0.994959	0	0	0	0	0	0
0.990867	0.993336	0	0	0	0	0	0
0.990114	0.996713	0	0	0	0	0	0
0.99313	0.99751	0	0	0	0	0	0
0.990573	0.98126	0	0	0	0	0	0
0.950592	0.821429	0	0	0	0	0	0
0.799567	0.872982	0	0	0	0	0	0
0.982394	0.92464	0	0	0	0	0	0
0.479427	0.463484	0	0	0	0	0	0
0.946711	0.892034	0	0	0	0	0	0

0.993987	0.99449	0	0	0	0	0	0
0.0185	0.03279	0	0	0	0	0	0
0.777084	0.80178	0	0	0	0	0	0
0.960413	0.934377	0	0	0	0	0	0
0.994604	0.993208	0	0	0	0	0	0
0.994763	0.992049	0	0	0	0	0	0
0.950184	0.976142	0	0	0	0	0	0
0.934413	0.969255	0	0	0	0	0	0
0.943111	0.622081	0.03	0	0	0	0	0
0.010638	0.021768	0	0	0	0	0	0
0.985813	0.98745	0	0	0	0	0	0
0.992361	0.993175	0	0	0	0	0	0
0.997217	0.989809	0	0	0	0	0	0
0.980932	0.878285	0.05	0	0	0	0	4
0.999476	0.998413	0	0	0	0	0	0
0.001105	0.002327	0	0	0	0	0	0
0.001544	0.003752	0	0	0	0	0	0
0.999206	0.998526	0	0	0	0	0	0
0.967218	0.985047	0	0	0	0	0	0
0.988368	0.982661	0	0	0	0	0	0
0.038654	0.070941	0	0	0	0	0	0
0.030651	0.247647	0.01	0	0	0	0	0
0.992267	0.956192	0	0	0	0	0	0
0.712886	0.825963	0	0	0	0	0	0
0.065362	0.047483	0	0	0	0	0	0
0.08714	0.386628	0.05	0	0	0	0	0
0.983897	0.976121	0	0	0	0	0	0
0.987266	0.972836	0	0	0	0	0	0
0.993133	0.989019	0	0	0	0	0	0
0.93439	0.960717	0	0	0	0	0	0
0.986159	0.966224	0	0	0	0	0	0
0.996649	0.978348	0	0	0	0	0	0
0.004078	0.003501	0	0	0	0	0	0
0.998242	0.996014	0	0	0	0	0	0
0.973411	0.734773	0.02	0	0	0	0	0
0.97556	0.9415	0	0	0	0	0	0
0.052547	0.066855	0	0	0	0	0	0
0.98026	0.975695	0	0	0	0	0	0
0.986122	0.987753	0	0	0	0	0	0
0.988036	0.741978	0.12	0	0	0	0	0
0.990446	0.982342	0	0	0	0	0	0
0.999453	0.99811	0	0	0	0	0	0
0.960951	0.961807	0	0	0	0	0	0
0.043886	0.075962	0	0	0	0	0	0
0.753322	0.648763	0	0	0	0	0	0
0.976933	0.957695	0	0	0	0	0	0
0.989641	0.968827	0	0	0	0	1	0

0.951586	0.941509	0	0	0	0	0	0
0.971566	0.972104	0	0	0	0	0	0
0.955543	0.974307	0	0	0	0	0	0
0.026261	0.156713	0	0	0	0	0	0
0.938582	0.952089	0	0	0	0	0	0
0.997134	0.996664	0	0	0	0	0	0
0.997513	0.986515	0	0	0	0	0	0
0.997027	0.994342	0	0	0	0	0	0
0.997606	0.998818	0	0	0	0	0	0
0.996052	0.996378	0	0	0	0	0	0
0.996278	0.995279	0	0	0	0	0	0
0.957404	0.93403	0	0	1	0	0	0
0.984339	0.97374	0	0	0	0	0	0
0.085947	0.071061	0	0	0	0	0	0
0.983866	0.986919	0	0	0	0	0	0
0.016939	0.027929	0	0	0	0	0	0
0.986557	0.960898	0	0	0	0	0	0
0.074526	0.039193	0	0	0	0	0	0
0.018242	0.027725	0	0	0	0	0	0
0.920512	0.918912	0	0	0	0	0	0
0.913279	0.90634	0	0	0	0	0	0
0.992358	0.986205	0	0	0	0	0	0
0.993328	0.987698	0	0	0	0	0	0
0.991378	0.766079	0.11	0	0	0	0	0
0.923056	0.77541	0	0	0	0	0	0
0.965714	0.951043	0	0	0	0	0	0
0.963282	0.938854	0	0	0	0	0	0
0.975448	0.951974	0	0	0	0	0	0
0.979518	0.964771	0	0	0	0	0	0
0.026797	0.052451	0	0	0	0	0	0
0.970984	0.955309	0	0	0	0	0	0
0.959365	0.950905	0	0	0	0	0	0
0.037648	0.036124	0	0	0	0	0	0
0.950296	0.922816	0	0	0	0	0	0
0.969021	0.935739	0	0	0	0	0	0
0.966065	0.834711	0	0	0	0	0	0
0.047528	0.149843	0	0	0	0	0	0
0.978573	0.970634	0	0	0	0	0	0
0.995102	0.995369	0	0	0	0	0	0
0.972557	0.986905	0	0	0	0	0	0
0.974209	0.958217	0	0	0	0	0	0
0.035933	0.128825	0	0	0	0	0	0
0.980179	0.961299	0	0	0	0	0	0
0.976588	0.959543	0	0	0	0	0	0
0.976509	0.968291	0	0	0	0	0	0
0.958033	0.974896	0	0	0	0	0	0
0.047146	0.097521	0	0	0	0	0	0

0.012565	0.019376	0	0	0	0	0	0
0.013783	0.128224	0.02	0	0	0	0	0
0.962083	0.944362	0	0	0	0	0	0
0.974682	0.96916	0	0	0	0	0	0
0.949483	0.961341	0	0	0	0	0	0
0.949825	0.943109	0	0	0	0	0	0
0.815623	0.530465	0	0	0	0	0	0
0.661852	0.890033	0	0	0	0	0	0
0.953971	0.955417	0	0	0	0	0	0
0.940942	0.96602	0	0	0	0	0	0
0.856966	0.946095	0	0	0	0	0	0
0.857353	0.897777	0	0	0	0	0	0
0.051282	0.044877	0	0	0	0	0	0
0.955992	0.964959	0	0	0	0	0	0
0.965481	0.970677	0	0	0	0	0	0
0.974459	0.978849	0	0	0	0	0	0
0.961612	0.972556	0	0	0	0	0	0
0.949575	0.945125	0	0	0	0	0	0
0.972982	0.969875	0	0	0	0	0	0
0.976484	0.980281	0	0	0	0	0	0
0.986965	0.97959	0	0	0	0	0	0
0.968662	0.903496	0	0	0	0	0	0
0.922487	0.949962	0	0	0	0	0	0
0.947794	0.935255	0	0	0	0	0	0
0.976591	0.959629	0	0	0	0	0	0
0.983507	0.984772	0	0	0	0	0	0
0.939398	0.939696	0	0	0	0	0	0
0.936143	0.982552	0	0	0	0	0	0
0.933524	0.966206	0	0	0	0	0	0
0.959457	0.44521	0.45	0	0	0	0	0
0.946646	0.955203	0	0	0	0	0	0
0.992018	0.995038	0	0	0	0	0	0
0.989273	0.99342	0	0	0	0	0	0
0.107955	0.587206	0.2	0	0	0	0	0
0.974581	0.949316	0	0	0	0	0	0
0.989598	0.970135	0	0	0	0	0	0
0.977041	0.924058	0	0	0	0	0	0
0.981699	0.985115	0	0	0	0	0	0
0.257681	0.554978	0	0	0	0	0	0
0.987397	0.911533	0	0	0	0	0	0
0.074525	0.067394	0	0	0	0	0	0
0.98522	0.989175	0	0	0	0	0	0
0.970559	0.971015	0	0	0	0	0	0
0.939332	0.944764	0	0	0	0	0	0
0.958574	0.947592	0	0	0	0	0	0
0.68903	0.702818	0	0	0	0	0	0
0.702231	0.810091	0	0	0	0	0	0

0.99847	0.996838	0	0	0	0	0	0
0.098379	0.104651	0	0	0	0	0	0
0.988567	0.991559	0	0	0	0	0	0
0.993219	0.988898	0	0	0	0	0	0
0.024727	0.036084	0	0	0	0	0	0
0.016505	0.088075	0	0	0	0	0	0
0.016334	0.023932	0	0	0	0	0	0
0.991556	0.991479	0	0	0	0	0	0
0.994192	0.991707	0	0	0	0	0	0
0.972159	0.976463	0	0	0	0	0	0
0.966718	0.905033	0	0	0	0	0	0
0.945721	0.963359	0	0	0	0	0	0
0.988515	0.980637	0	0	0	0	0	0
0.987186	0.976066	0	0	0	0	0	0
0.065475	0.05921	0	0	0	0	0	0
0.01912	0.120923	0	0	0	0	0	0
0.989371	0.975165	0	0	0	0	0	0
0.981987	0.945508	0	0	0	0	0	0
0.994184	0.994794	0	0	0	0	0	0
0.988456	0.942969	0	0	0	0	0	0
0.987376	0.880394	0.03	0	0	0	0	0
0.027856	0.027235	0	0	0	0	0	0
0.021044	0.090184	0	0	0	0	0	0
0.987092	0.982647	0	0	0	0	0	0
0.986109	0.984007	0	0	0	0	0	0
0.987951	0.936244	0	0	0	0	0	0
0.605459	0.494839	0	0	0	0	0	0
0.987481	0.953005	0	0	0	0	0	0
0.983914	0.937217	0	0	0	0	0	0
0.795885	0.806462	0	0	0	0	0	0
0.850296	0.844317	0	0	0	0	0	0
0.902195	0.516403	0.18	0	0	0	0	0
0.997554	0.978163	0	0	0	0	0	0
0.996469	0.971714	0	0	0	0	0	0
0.384319	0.233225	0	0	0	0	0	0
0.237594	0.380979	0	0	3	0	0	0
0.749151	0.627517	0	0	3	0	0	0
0.980078	0.904961	0	0	0	0	0	0
0.995403	0.937992	0	0	0	0	0	0
0.006455	0.086839	0	0	0	0	0	0
0.256552	0.378947	0	0	0	0	0	0
0.691194	0.588172	0	0	0	0	0	0
0.989789	0.936841	0	0	0	0	0	0
0.987781	0.944476	0	0	0	5	1	1
0.986476	0.956003	0	0	0	0	0	0
0.766483	0.699876	0	0	0	0	0	0
0.995049	0.988438	0	0	0	0	0	0

0.994625	0.991653	0	0	0	0	4	4
0.530087	0.287946	0.05	0	0	0	0	0
0.992104	0.981971	0	0	0	0	0	0
0.997094	0.990485	0	0	0	0	0	0
0.007945	0.020288	0	0	0	0	0	0
0.06964	0.044781	0	0	0	0	0	0
0.983322	0.937962	0	0	0	0	0	0
0.927013	0.651228	0.07	0	0	0	0	0
0.968279	0.943259	0	0	0	0	0	0
0.997236	0.989262	0	0	0	0	9	9
0.997682	0.989854	0	2	0	0	0	0
0.955093	0.958965	0	0	0	0	0	0
0.963952	0.931615	0	0	0	0	0	0
0.947451	0.954375	0	0	0	0	0	0
0.972417	0.971085	0	0	2	2	0	0
0.989011	0.981597	0	0	0	0	0	0
0.035462	0.032617	0	0	0	0	0	0
0.96704	0.938341	0	0	0	0	0	0
0.98421	0.982523	0	0	0	0	0	0
0.962411	0.95659	0	0	0	0	0	0
0.981936	0.957917	0	0	0	0	0	0
0.65743	0.371751	0.02	0	0	0	0	0
0.98858	0.98965	0	0	0	0	0	0
0.95286	0.955692	0	0	0	0	0	0
0.954933	0.973942	0	0	0	0	0	0
0.934909	0.957588	0	0	0	0	0	0
0.949502	0.157434	0.47	0	0	0	0	0
0.428728	0.378789	0	0	0	0	0	0
0.994628	0.989144	0	0	0	0	0	0
0.996992	0.978148	0	0	0	0	0	0
0.64884	0.053672	0.33	0	0	0	0	0
0.812017	0.948416	0	0	0	0	0	0
0.949721	0.773467	0	0	0	0	0	0
0.00514	0.004991	0	0	0	0	0	0
0.065151	0.121987	0	0	0	0	0	0
0.98017	0.944142	0	0	0	0	0	0
0.977073	0.938382	0	0	0	0	0	0
0.498452	0.787108	0	0	0	0	0	0
0.989604	0.995376	0	0	0	0	0	0
0.927905	0.858059	0	0	0	0	9	9
0.114129	0.211168	0	0	0	0	0	0
0.007879	0.07899	0.02	0	0	0	0	0
0.99937	0.997543	0	0	0	0	0	0
0.99386	0.987432	0	0	0	0	0	0
0.983742	0.99311	0	0	0	0	0	0
0.964767	0.968068	0	0	0	0	0	0
0.894772	0.918678	0	0	0	0	0	0

0.999096	0.996955	0	0	0	0	0	0
0.533414	0.714073	0.11	0	0	0	0	0
0.476288	0.303851	0.08	0	0	0	0	0
0.993878	0.98865	0	0	0	0	0	0
0.996945	0.970871	0	0	0	0	0	0
0.996774	0.972383	0	0	0	0	0	0
0.007782	0.060987	0	0	0	0	0	0
0.817259	0.83775	0	0	0	0	0	0
0.978825	0.941357	0	0	0	0	0	0
0.272767	0.08056	0	0	0	0	0	0
0.229038	0.036437	0.01	0	0	0	0	0
0.361112	0.086764	0.03	0	0	0	0	0
0.975691	0.877266	0	0	0	0	0	0
0.998641	0.998127	0	0	0	0	0	0
0.997753	0.994621	0	0	0	0	0	0
0.720408	0.860701	0.05	4	0	0	0	0
0.998277	0.99236	0	0	0	0	0	0
0.998753	0.967769	0	0	0	0	0	0
0.00424	0.046778	0.01	0	0	0	0	0
0.015879	0.128618	0.05	0	0	0	0	0
0.171693	0.021636	0.11	0	0	3	0	0
0.052768	0.078539	0	0	0	13	0	0
0.407202	0.29036	0	0	0	0	0	0
0.024068	0.023744	0	4	0	0	0	0
0.225027	0.177665	0	0	0	0	0	0
0.994289	0.898772	0.02	0	0	1	1	0
0.009294	0.021436	0	0	0	0	0	0
0.99626	0.992046	0	0	0	0	0	0
0.99452	0.919972	0.02	0	0	0	0	0
0.137033	0.08533	0	0	0	0	0	0
0.385892	0.382839	0	0	0	0	0	0
0.316999	0.465091	0	0	0	0	0	0
0.997177	0.993862	0	0	0	0	0	0
0.994278	0.990518	0	0	0	0	0	0
0.006992	0.00903	0	0	0	0	0	0
0.939249	0.931496	0	0	0	0	0	0
0.211621	0.273348	0	0	0	0	0	0
0.822372	0.799601	0	0	0	0	0	0
0.047642	0.034822	0	0	0	0	0	0
0.991157	0.966501	0	0	0	0	0	0
0.985369	0.783996	0.05	0	0	0	0	0
0.983091	0.955493	0	0	0	0	0	0
0.824867	0.956416	0	0	0	0	0	0
0.085052	0.06868	0	0	0	0	0	0
0.017223	0.013999	0	0	0	0	0	0
0.04112	0.30858	0.07	0	0	0	0	0
0.956679	0.971029	0	0	0	0	0	0

0.932617	0.840287	0	0	0	0	0	0
0.002915	0.003829	0	0	0	0	0	0
0.997736	0.98974	0	0	0	0	0	0
0.96281	0.961778	0	0	0	0	0	0
0.003393	0.004048	0	0	0	0	0	0
0.005743	0.020711	0	0	0	0	0	0
0.095905	0.319716	0	0	0	0	0	0
0.002819	0.00167	0	0	0	0	0	0
0.884376	0.644891	0.17	0	0	0	0	0
0.996856	0.998331	0	0	0	0	0	0
0.996259	0.947063	0	0	0	0	0	0
0.996918	0.99242	0	0	0	0	0	0
0.00683	0.012984	0	0	0	0	0	0
0.004379	0.007905	0	0	0	0	0	0
0.817443	0.569148	0.06	0	0	0	0	0
0.997392	0.949361	0.02	0	0	0	0	0
0.016285	0.02517	0	0	0	0	0	0
0.992437	0.988464	0	0	0	0	0	0
0.987635	0.995818	0	0	0	0	0	0
0.995692	0.998064	0	0	0	0	0	0
0.00378	0.012879	0	0	0	0	0	0
0.013601	0.03821	0	0	0	0	0	0
0.995875	0.976747	0	0	0	0	0	0
0.997312	0.74396	0.12	0	0	0	0	0
0.997641	0.724044	0.14	0	0	0	0	0
0.030426	0.026746	0	0	0	0	0	0
0.029687	0.011132	0	0	0	0	0	0
0.998491	0.998579	0	0	0	0	0	0
0.999248	0.997081	0	0	0	0	0	0
0.99948	0.999657	0	0	0	0	0	0
0.017314	0.010539	0	0	0	0	0	0
0.997734	0.998332	0	0	0	0	0	0
0.001323	0.001369	0	0	0	0	0	0
0.997743	0.998687	0	0	0	0	0	0
0.991559	0.997439	0	0	0	0	0	0
0.98746	0.996672	0	0	0	0	0	0
0.994757	0.983738	0	0	0	0	0	0
0.994415	0.983237	0	0	0	0	0	0
0.973415	0.931437	0	0	0	0	0	0
0.986218	0.983804	0	0	0	0	0	0
0.979145	0.861761	0	0	0	0	0	0
0.978833	0.981178	0	0	0	0	0	0
0.978509	0.90128	0	0	0	0	0	0
0.998094	0.9983	0	0	0	0	0	0
0.998182	0.997358	0	0	0	0	0	0
0.010584	0.017315	0	0	0	0	0	0
0.995038	0.993699	0	0	0	0	0	0

0.997383	0.995041	0	0	0	0	0	0
0.027874	0.057917	0	0	0	0	0	0
0.996793	0.995859	0	0	0	0	0	0
0.996724	0.995533	0	0	0	0	0	0
0.996794	0.993423	0	0	0	0	0	0
0.996016	0.990569	0	0	0	0	0	0
0.981589	0.9891	0	0	0	0	0	0
0.990881	0.995186	0	0	0	0	0	0
0.987554	0.992009	0	0	0	0	0	0
0.99892	0.999716	0	0	0	0	0	0
0.999756	0.999843	0	0	0	0	0	0
0.002133	0.00163	0	0	0	0	0	0
0.997969	0.996262	0	0	0	0	0	0
0.998512	0.995207	0	0	0	0	0	0
0.005343	0.116725	0.05	0	0	0	0	0
0.978041	0.962084	0	0	0	0	0	0
0.981141	0.986599	0	0	0	0	0	0
0.969832	0.961931	0	0	0	0	0	0
0.978416	0.947814	0	0	0	0	0	0
0.878051	0.749484	0	0	0	0	0	0
0.975236	0.885668	0	0	0	0	0	0
0.971206	0.875978	0	0	0	0	0	0
0.998986	0.99919	0	0	0	0	2	2
0.996588	0.998035	0	0	0	0	0	0
0.89438	0.760157	0.1	0	0	0	0	0
0.984818	0.968818	0	0	0	0	0	0
0.740623	0.876242	0	0	0	0	0	0
0.93383	0.920176	0	0	0	0	0	0
0.545006	0.409705	0	0	0	0	0	0
0.985058	0.958106	0	0	0	0	0	0
0.977078	0.980029	0	0	0	0	0	0
0.995539	0.949035	0	0	0	0	0	0
0.954163	0.943977	0	0	0	0	0	0
0.081565	0.110771	0	0	0	0	0	0
0.987327	0.977178	0	0	0	0	0	0
0.991306	0.974891	0	0	0	0	0	0
0.988647	0.920393	0	0	0	0	0	0
0.990648	0.977091	0	0	0	0	0	0
0.986042	0.963412	0	0	0	0	0	0
0.992636	0.973144	0	0	0	0	0	0
0.027656	0.091018	0	0	0	0	0	0
0.958468	0.943444	0	0	0	0	0	0
0.929695	0.991887	0	0	0	0	0	0
0.944974	0.985966	0	0	0	0	0	0
0.056952	0.0499	0	0	0	0	0	0
0.945122	0.980534	0	0	0	0	0	0
0.300468	0.137033	0	0	0	0	0	0

0.825873	0.784727	0	0	0	0	0	0
0.050957	0.031322	0	0	0	0	0	0
0.966436	0.985909	0	0	0	0	0	0
0.851441	0.770705	0	0	0	0	0	0
0.967672	0.973703	0	0	0	0	0	0
0.934691	0.504	0.23	0	0	0	0	0
0.790262	0.965151	0.01	0	0	0	0	0
0.9903	0.999136	0	0	0	0	0	0
0.95371	0.981176	0	0	0	0	0	0
0.942258	0.944129	0	0	0	0	0	0
0.955923	0.957878	0	0	0	0	0	0
0.013082	0.062818	0	0	0	0	0	0
0.997896	0.987528	0	0	0	0	0	0
0.997055	0.975113	0	0	0	0	0	0
0.808309	0.946462	0	0	0	0	0	0
0.987359	0.94903	0	0	0	0	0	0
0.989323	0.957705	0	0	5	0	0	0
0.968516	0.933389	0	0	0	0	0	0
0.055225	0.035442	0	0	0	0	0	0
0.991193	0.993211	0	0	0	0	0	0
0.945648	0.946558	0	0	0	0	0	0
0.983388	0.971843	0	0	0	0	0	0
0.971992	0.968678	0	0	0	0	0	0
0.028385	0.011041	0	0	0	0	0	0
0.273204	0.134691	0	0	0	0	0	0
0.009738	0.016437	0	0	0	0	0	0
0.99705	0.996182	0	0	0	0	0	0
0.03527	0.021803	0	0	0	0	0	0
0.014815	0.018594	0	0	0	0	0	0
0.996852	0.99317	0	0	0	0	0	0
0.99767	0.996001	0	0	0	0	0	0
0.998544	0.998267	0	0	0	0	0	0
0.995811	0.989849	0	0	0	0	0	0
0.023299	0.071837	0	0	0	0	0	0
0.006794	0.02903	0	0	0	0	0	0
0.998063	0.996296	0	0	0	0	0	0
0.997519	0.993476	0	0	0	0	0	0
0.99664	0.992516	0	0	0	0	0	0
0.654051	0.824956	0	0	0	0	0	0
0.957799	0.831353	0	0	0	0	0	0
0.466187	0.452814	0	0	0	0	0	0
0.991557	0.994017	0	0	0	0	0	0
0.040738	0.06308	0	0	0	0	0	0
0.673556	0.798965	0	0	0	0	0	0
0.983293	0.941822	0	0	0	0	0	0
0.983225	0.924723	0	0	0	0	0	0
0.98547	0.977642	0	0	0	0	0	0

0.994934	0.981013	0	0	0	0	0	0
0.015245	0.03855	0	0	0	0	0	0
0.996071	0.975673	0	0	0	0	0	0
0.988422	0.956415	0	0	0	0	0	0
0.982951	0.970692	0	0	0	0	0	0
0.982726	0.961836	0	0	0	0	0	0
0.953318	0.936665	0	0	0	0	0	0
0.972518	0.962205	0	0	0	0	0	0
0.974067	0.966351	0	0	0	0	0	0
0.978974	0.86724	0	0	0	0	0	0
0.996328	0.98046	0	0	0	0	0	0
0.977936	0.977933	0	0	0	0	0	0
0.976891	0.986077	0	0	0	0	0	0
0.960259	0.951331	0	0	0	0	0	0
0.031639	0.033853	0	0	0	0	0	0
0.034384	0.020597	0	0	0	0	0	0
0.202689	0.665919	0.12	0	0	0	0	0
0.881862	0.715521	0	0	0	0	0	0
0.993056	0.984786	0	0	0	0	0	0
0.988941	0.963056	0	0	0	0	0	0
0.99615	0.990749	0	0	0	0	0	0
0.903075	0.770623	0	0	0	0	0	0
0.044276	0.05468	0	0	0	0	0	0
0.952671	0.961288	0	0	0	0	0	0
0.937361	0.781866	0	0	0	0	0	0
0.966641	0.961731	0	0	0	0	0	0
0.974248	0.961974	0	0	0	0	0	0
0.926388	0.925712	0	0	0	0	0	0
0.19612	0.171392	0	0	0	0	0	0
0.953166	0.974494	0	0	0	0	0	0
0.906672	0.910765	0	0	0	0	0	0
0.795963	0.913418	0	0	0	0	0	0
0.849078	0.958824	0	0	0	0	0	0
0.990069	0.969428	0	0	0	0	0	0
0.014573	0.055643	0	0	0	0	0	0
0.984902	0.970759	0	0	0	0	0	0
0.039209	0.047998	0	0	0	0	0	0
0.982386	0.983442	0	0	0	0	0	0
0.987285	0.982951	0	0	0	0	0	0
0.976663	0.901821	0	0	0	0	0	0
0.949103	0.960885	0	0	0	0	0	0
0.894389	0.958499	0	0	0	0	0	0
0.945971	0.873372	0	0	0	0	0	0
0.927752	0.96759	0	0	0	0	0	0
0.029976	0.042451	0	0	0	0	0	0
0.982501	0.96818	0	0	0	0	0	0
0.98776	0.987351	0	0	0	0	0	0

0.025794	0.054889	0	0	0	0	0	0
0.989075	0.952073	0	0	0	0	0	0
0.000166	0.000284	0	0	0	0	0	0
0.996987	0.994999	0	0	0	0	0	0
0.998075	0.997307	0	0	0	0	0	0
0.999198	0.999475	0	0	0	0	0	0
0.005337	0.040183	0.01	0	0	0	0	0
0.997758	0.989699	0	0	0	0	0	0
0.998595	0.998829	0	0	0	0	0	0
0.029594	0.032605	0	0	0	0	0	0
0.950202	0.965277	0	0	0	0	0	0
0.996129	0.967097	0	0	0	0	0	0
0.995814	0.995455	0	0	0	0	0	0
0.993386	0.989862	0	0	0	0	0	0
0.903719	0.237988	0.52	0	0	0	0	0
0.985483	0.987821	0	0	0	0	0	0
0.990369	0.938291	0	0	0	0	0	0
0.99262	0.925617	0	0	0	0	0	0
0.991132	0.984351	0	0	0	0	0	0
0.999518	0.996167	0	0	0	0	0	0
0.788319	0.96196	0.06	0	0	0	0	0
0.971438	0.9824	0	0	0	0	0	0
0.872249	0.760212	0	0	0	0	0	0
0.916396	0.821537	0	0	0	0	0	0
0.927476	0.866304	0	0	0	0	0	0
0.052566	0.028419	0	0	0	0	0	0
0.081124	0.098786	0	0	0	0	0	0
0.139309	0.192426	0	0	0	0	0	0
0.995436	0.99399	0	0	0	0	0	0
0.013595	0.023725	0	0	0	0	0	0
0.024869	0.014551	0	0	0	0	0	0
0.992436	0.99708	0	0	0	0	0	0
0.991462	0.99168	0	0	0	0	0	0
0.907999	0.980206	0	0	0	0	0	0
0.899091	0.964813	0	0	0	0	3	3
0.989133	0.984454	0	0	0	0	0	0
0.620873	0.57706	0	0	0	0	0	0
0.913753	0.697841	0	0	0	0	0	0
0.941373	0.899713	0	0	0	0	0	0
0.979064	0.946602	0	0	0	0	0	0
0.408496	0.523679	0	0	0	0	0	0
0.989389	0.977116	0	0	0	0	0	0
0.971181	0.962123	0	0	0	0	0	0
0.942439	0.971556	0	0	0	0	0	0
0.978914	0.987762	0	0	0	0	0	0
0.967178	0.982081	0	0	0	0	0	0
0.970109	0.98159	0	0	0	0	0	0

0.265105	0.222337	0	0	0	0	0	0
0.978777	0.847928	0	0	0	0	0	0
0.98311	0.992005	0	0	0	0	0	0
0.020271	0.010642	0	0	0	0	0	0
0.988324	0.995932	0	0	0	0	0	0
0.977597	0.978719	0	0	0	0	0	0
0.985689	0.988739	0	0	0	0	0	0
0.770342	0.594669	0	0	0	0	0	0
0.166313	0.062785	0	0	0	0	0	0
0.965422	0.778532	0.03	0	0	0	0	0
0.964208	0.905482	0	0	0	0	0	0
0.831372	0.939902	0	0	0	0	0	0
0.982988	0.989214	0	0	0	0	0	0
0.038451	0.024917	0	0	0	0	0	0
0.995231	0.990015	0	0	0	0	0	0
0.995388	0.992173	0	0	0	0	0	0
0.99463	0.992472	0	0	0	0	0	0
0.953105	0.959478	0	0	0	0	0	0
0.984531	0.999136	0	0	0	0	0	0
0.008576	0.010511	0	0	0	0	0	0
0.986253	0.983746	0	0	0	0	0	0
0.986796	0.991856	0	0	0	0	0	0
0.986469	0.995102	0	0	0	0	0	0
0.992259	0.982067	0	0	0	0	0	0
0.990323	0.99266	0	0	0	0	0	0
0.010513	0.052661	0.01	0	0	0	0	0
0.849874	0.59447	0.14	0	0	0	0	0
0.969165	0.901635	0	0	0	0	0	0
0.232285	0.139121	0	0	0	0	0	0
0.98872	0.955509	0	0	0	0	0	0
0.940371	0.870693	0	0	0	0	0	0
0.960797	0.941743	0	0	0	0	0	0
0.991119	0.947058	0	0	0	0	0	0
0.991329	0.982457	0	0	0	0	0	0
0.987499	0.98002	0	0	0	0	0	0
0.985994	0.981471	0	0	0	0	0	0
0.979704	0.976663	0	0	0	0	0	0
0.991554	0.882996	0.01	0	0	0	0	0
0.988714	0.996251	0	0	0	0	0	0
0.021148	0.020697	0	0	0	0	0	0
0.990481	0.992073	0	0	0	0	0	0
0.020592	0.017471	0	0	0	0	0	0
0.991806	0.99345	0	0	0	0	0	0
0.936341	0.991927	0	0	0	0	0	0
0.992262	0.988594	0	0	0	0	0	0
0.991255	0.99377	0	0	0	0	0	0
0.986219	0.958273	0	0	0	0	0	0

0.987847	0.970784	0	0	0	0	0	0
0.983455	0.940469	0	0	0	0	0	0
0.044539	0.074679	0	0	0	0	0	0
0.955866	0.963438	0	0	0	0	0	0
0.016103	0.136875	0.01	0	0	0	0	0
0.996873	0.988833	0	0	0	0	0	0
0.996358	0.984231	0	0	0	0	0	0
0.996334	0.992982	0	0	0	0	0	0
0.995885	0.994775	0	0	0	0	0	0
0.996638	0.99828	0	0	0	0	0	0
0.996585	0.994057	0	0	0	0	0	0
0.019793	0.012842	0	0	0	0	0	0
0.988507	0.919532	0.01	0	0	0	0	0
0.923545	0.928754	0	0	0	0	2	0
0.994533	0.976375	0	0	0	0	12	0
0.993391	0.993527	0	0	0	0	0	0
0.978011	0.949301	0	0	0	0	0	0
0.987957	0.930714	0.01	0	0	0	0	0
0.066755	0.073407	0	0	0	0	0	0
0.97056	0.982435	0	0	0	0	0	0
0.984257	0.997467	0	0	0	0	0	0
0.989716	0.997024	0	0	0	0	0	0
0.996234	0.9907	0	0	0	0	0	0
0.005246	0.006528	0	0	0	0	0	0
0.016433	0.008439	0	0	0	0	0	0
0.991173	0.99756	0	0	0	0	0	0
0.063936	0.044264	0	0	0	0	0	0
0.012559	0.016671	0	0	0	0	0	0
0.987014	0.991605	0	0	0	0	0	0
0.968883	0.991161	0	0	0	0	0	0
0.984419	0.978715	0	0	0	0	0	0
0.987764	0.986724	0	0	0	0	0	0
0.984886	0.981083	0	0	0	0	0	0
0.985737	0.985602	0	0	0	0	0	0
0.979529	0.985923	0	0	0	0	0	0
0.993309	0.99331	0	0	0	0	0	0
0.983715	0.993678	0	0	0	0	0	0
0.008676	0.014797	0	0	0	0	0	0
0.988667	0.979001	0	0	0	0	0	0
0.991188	0.950889	0	0	0	0	0	0
0.994955	0.984904	0	0	0	0	0	0
0.919563	0.965382	0	0	0	0	0	0
0.936567	0.891535	0	0	0	0	0	0
0.933707	0.955415	0	0	0	0	0	0
0.930532	0.939595	0	0	0	0	0	0
0.941312	0.941474	0	0	0	0	0	0
0.948029	0.975405	0	0	0	0	0	0

0.050202	0.020723	0	0	0	0	0	0
0.292257	0.715445	0.11	0	0	0	0	0
0.316643	0.828207	0.26	0	0	0	0	0
0.991117	0.929877	0	0	0	0	0	0
0.988385	0.946398	0	0	0	0	0	0
0.094383	0.257574	0	0	0	0	0	0
0.988677	0.972576	0	0	0	0	0	0
0.990712	0.954227	0	0	0	0	0	0
0.951144	0.932438	0	0	0	0	0	0
0.985746	0.933973	0	0	0	0	0	0
0.019112	0.06283	0	0	0	0	0	0
0.979475	0.940442	0	0	0	0	0	0
0.981629	0.966953	0	0	0	0	0	0
0.323027	0.249568	0	0	3	0	0	0
0.071008	0.079352	0	0	0	0	0	0
0.977303	0.989672	0	0	0	0	0	0
0.949064	0.796601	0.02	0	0	0	0	0
0.049374	0.024919	0	0	0	0	0	0
0.936034	0.60936	0.17	0	0	0	0	0
0.987583	0.969932	0	0	0	0	0	0
0.985905	0.951453	0	0	0	0	0	0
0.98725	0.962403	0	0	0	0	0	0
0.990721	0.883905	0.02	0	0	0	0	0
0.984593	0.976584	0	0	0	0	0	0
0.993864	0.924399	0	0	0	0	0	0
0.978297	0.964634	0	0	0	0	0	0
0.98639	0.963602	0	0	0	0	0	0
0.986494	0.960244	0	0	0	0	0	0
0.986794	0.950246	0	0	0	0	0	0
0.982431	0.95593	0	0	0	0	0	0
0.971929	0.943577	0	0	0	0	0	0
0.979365	0.971476	0	0	0	0	0	0
0.939098	0.975509	0	0	0	0	0	0
0.928234	0.961903	0	0	0	0	0	0
0.892465	0.9403	0	0	0	0	0	0
0.797769	0.380163	0	0	0	0	0	0
0.786375	0.532557	0	0	0	0	0	0
0.927873	0.53839	0.09	0	0	0	0	0
0.880658	0.548306	0.08	0	0	0	0	0
0.795441	0.410698	0.01	0	0	0	0	0
0.841928	0.174455	0.35	0	0	0	0	0
0.661537	0.177144	0.13	0	0	0	0	0
0.038245	0.032047	0	0	0	0	0	0
0.045525	0.028279	0	0	0	0	0	0
0.978566	0.985961	0	0	0	0	0	0
0.853765	0.931852	0	0	0	0	0	0
0.958037	0.960493	0	0	0	0	0	0

0.950609	0.932047	0	0	0	0	0	0
0.997788	0.985892	0	0	0	0	0	0
0.996148	0.954156	0	0	0	0	0	0
0.022926	0.117217	0	0	0	0	0	0
0.998572	0.937202	0	0	0	0	0	0
0.998871	0.992907	0	0	0	0	0	0
0.010901	0.040313	0	0	0	0	0	0
0.997588	0.9862	0	0	0	0	0	0
0.990566	0.978953	0	0	0	0	0	0
0.908105	0.841641	0	0	0	0	0	0
0.002405	0.05552	0	0	0	0	0	0
0.89141	0.977984	0	0	0	0	0	0
0.95903	0.942449	0	0	0	0	0	0
0.665844	0.835804	0	0	0	0	0	0
0.980331	0.816909	0	0	0	0	0	0
0.964146	0.961908	0	0	0	0	0	0
0.957813	0.955038	0	0	0	0	0	0
0.094323	0.525177	0.1	0	0	0	0	0
0.763983	0.690903	0	0	0	0	0	0
0.173121	0.063447	0	0	0	0	0	0
0.858207	0.828581	0	0	0	0	0	0
0.967738	0.807938	0	0	0	0	0	0
0.971155	0.946547	0	0	0	0	0	0
0.086337	0.120831	0	0	0	0	0	0
0.983092	0.983747	0	0	0	0	0	0
0.983907	0.91028	0	0	0	0	0	0
0.937314	0.98326	0	0	0	0	0	0
0.876972	0.987815	0.01	0	0	0	0	0
0.901219	0.862765	0	0	0	0	0	0
0.959923	0.96164	0	0	0	0	0	0
0.972191	0.942085	0	0	0	0	0	0
0.924023	0.99084	0	0	0	0	0	0
0.886829	0.911246	0	0	0	0	0	0
0.734478	0.389931	0	0	0	0	0	0
0.595156	0.707879	0	0	0	0	0	0
0.038455	0.113371	0	0	0	0	0	0
0.99533	0.985034	0	0	0	0	0	0
0.995705	0.95565	0	0	0	0	0	0
0.042872	0.033797	0	0	0	0	0	0
0.993395	0.979188	0	0	0	0	0	0
0.987669	0.970208	0	0	0	0	0	0
0.085689	0.350541	0.07	0	0	0	0	0
0.994782	0.96244	0	0	0	0	0	0
0.016747	0.017641	0	0	0	0	0	0
0.007231	0.015103	0	0	0	0	0	0
0.991904	0.996594	0	0	0	0	0	0
0.011198	0.009955	0	0	0	0	0	0

0.993395	0.993798	0	0	0	0	0	0
0.991077	0.921053	0	0	0	0	0	0
0.011259	0.01033	0	0	0	0	0	0
0.7858	0.491023	0.13	0	0	0	0	0
0.991285	0.981268	0	0	0	0	0	0
0.031799	0.701973	0.4	0	0	0	0	0
0.992078	0.988332	0	0	0	0	0	0
0.978542	0.970854	0	0	0	0	0	0
0.965133	0.974607	0	0	0	0	0	0
0.959728	0.969887	0	0	0	0	0	0
0.08848	0.067709	0	0	0	0	0	0
0.149579	0.115521	0	0	0	0	0	0
0.955039	0.953024	0	0	0	0	0	0
0.992462	0.997326	0	0	0	0	0	0
0.994339	0.996296	0	0	0	0	0	0
0.011305	0.039641	0	0	0	0	0	0
0.258643	0.054729	0.09	0	0	0	0	0
0.947122	0.968764	0	0	0	0	0	0
0.973324	0.981221	0	0	0	0	0	0
0.982542	0.836318	0	0	0	0	0	0
0.987498	0.973228	0	0	0	0	0	0
0.949305	0.942591	0	0	0	0	0	0
0.917687	0.852664	0	0	0	0	0	0
0.958367	0.940411	0	0	0	0	0	0
0.801077	0.79843	0	0	0	0	0	0
0.829043	0.845063	0	0	0	0	0	0
0.986646	0.939081	0	0	0	0	0	0
0.968422	0.941828	0	0	0	0	0	0
0.003668	0.002259	0	0	0	0	0	0
0.999118	0.99931	0	0	0	0	0	0
0.998653	0.995962	0	0	0	0	0	0
0.003858	0.003788	0	0	0	0	0	0
0.998418	0.998327	0	0	0	0	0	0
0.129444	0.044234	0	0	0	0	0	0
0.997252	0.995944	0	0	0	4	0	0
0.99243	0.995567	0	0	0	0	0	0
0.98881	0.991108	0	0	4	0	0	0
0.956968	0.783555	0	0	0	0	0	0
0.935736	0.712971	0	0	0	0	0	0
0.010005	0.007604	0	0	0	0	0	0
0.946168	0.845599	0	0	0	0	0	0
0.981787	0.96775	0	0	0	0	0	0
0.99214	0.989931	0	0	0	0	0	0
0.990545	0.997556	0	0	0	0	0	0
0.984467	0.941977	0	0	0	0	0	0
0.985294	0.981974	0	0	0	0	0	0
0.66469	0.859998	0	0	0	0	0	0

0.982354	0.919255	0	0	0	0	0	0
0.979697	0.918819	0	0	0	0	0	0
0.984391	0.641627	0.19	0	0	0	0	0
0.984879	0.933919	0	0	0	0	0	0
0.991419	0.965857	0	0	0	0	0	0
0.971522	0.968349	0	0	0	0	0	0
0.826563	0.896945	0	0	0	0	0	0
0.82186	0.903103	0	0	0	0	0	0
0.897011	0.895314	0	0	0	0	0	0
0.876028	0.81757	0	0	0	0	0	0
0.828672	0.906042	0	0	0	0	0	0
0.682816	0.893112	0	0	0	0	0	0
0.114887	0.554194	0.13	0	0	0	0	0
0.993499	0.993847	0	0	0	0	0	0
0.991814	0.993039	0	0	0	0	0	0
0.02204	0.013833	0	0	0	0	0	0
0.050835	0.020706	0	0	0	0	0	0
0.989668	0.987725	0	0	0	0	0	0
0.990912	0.990311	0	0	0	0	0	0
0.935545	0.76517	0.07	0	0	0	0	0
0.931305	0.770279	0.06	0	0	0	0	0
0.483735	0.300944	0	0	0	0	0	0
0.700865	0.746847	0	0	0	0	0	0
0.950942	0.958993	0	0	0	0	0	0
0.936422	0.943977	0	0	0	0	0	0
0.937894	0.955705	0	0	0	0	0	0
0.929899	0.967417	0	0	0	0	0	0
0.936826	0.922485	0	0	0	0	3	3
0.368993	0.335988	0	0	0	0	0	0
0.993679	0.995632	0	0	0	0	0	0
0.008869	0.020059	0	0	0	0	0	0
0.332896	0.325044	0	0	0	0	0	0
0.990696	0.993961	0	0	0	0	0	0
0.829925	0.551115	0.06	0	0	0	0	0
0.974673	0.797847	0.03	0	0	0	0	0
0.965877	0.981784	0	0	0	0	0	0
0.977236	0.991598	0	0	0	0	0	0
0.953361	0.953479	0	0	0	0	0	0
0.090046	0.260622	0	0	0	0	0	0
0.804745	0.937178	0	0	0	0	0	0
0.970183	0.940728	0	0	0	0	0	0
0.832556	0.941168	0	0	0	0	0	0
0.983825	0.926588	0	0	0	0	0	0
0.943186	0.719709	0	0	0	0	0	0
0.010891	0.008235	0	0	0	0	0	0
0.992629	0.993087	0	0	0	0	0	0
0.994341	0.98202	0	0	0	0	0	0

0.160963	0.530394	0.08	0	0	0	0	0
0.985903	0.938551	0	0	0	0	0	0
0.973589	0.979562	0	0	0	0	0	0
0.967608	0.981636	0	0	0	0	0	0
0.040921	0.028676	0	0	0	0	0	0
0.985952	0.978327	0	0	0	0	0	0
0.982556	0.988589	0	0	0	0	0	0
0.022221	0.024339	0	0	0	0	0	0
0.023393	0.033802	0	0	0	0	0	0
0.975387	0.986321	0	0	0	0	0	0
0.974962	0.967624	0	0	0	0	0	0
0.966413	0.820039	0	0	0	0	0	0
0.139643	0.124661	0	0	0	0	0	0
0.00473	0.02435	0	0	0	0	0	0
0.988752	0.931371	0	0	0	0	0	0
0.941562	0.953661	0	0	0	0	0	0
0.947932	0.944336	0	0	0	0	0	0
0.947162	0.954682	0	0	0	0	0	0
0.955812	0.948405	0	0	0	0	0	0
0.949856	0.938344	0	0	0	0	0	0
0.957992	0.967234	0	0	0	0	0	0
0.967118	0.969719	0	0	0	0	0	0
0.968966	0.976865	0	0	0	0	0	0
0.852346	0.775061	0	0	0	0	0	0
0.967012	0.831424	0	0	0	0	0	0
0.913529	0.951784	0	0	0	0	0	0
0.934319	0.943708	0	0	0	0	0	0
0.964204	0.977929	0	0	0	0	0	0
0.944386	0.988165	0	0	0	0	0	0
0.97099	0.940236	0	0	0	0	0	0
0.971626	0.953415	0	0	0	0	0	0
0.962782	0.944449	0	0	0	0	0	0
0.116163	0.249197	0	0	0	0	0	0
0.99508	0.998882	0	0	0	0	0	0
0.993874	0.995219	0	0	0	0	0	0
0.998709	0.999113	0	0	0	0	0	0
0.004178	0.002585	0	0	0	0	0	0
0.003195	0.015878	0	0	0	0	0	0
0.998049	0.997619	0	0	0	0	0	0
0.994986	0.981675	0	0	0	0	0	0
0.997411	0.99351	0	0	0	0	0	0
0.038952	0.155478	0.01	0	0	0	0	0
0.008065	0.082004	0	0	0	0	0	0
0.976326	0.993218	0	0	0	0	0	0
0.988298	0.992033	0	0	0	0	0	0
0.984144	0.98437	0	0	0	0	0	0
0.980229	0.976988	0	0	0	0	0	0

0.983464	0.9756	0	0	0	0	0	0
0.985397	0.985329	0	0	0	0	0	0
0.980839	0.941174	0	0	0	0	0	0
0.028762	0.070562	0	0	0	0	0	0
0.27172	0.279009	0	0	0	0	0	0
0.004446	0.0205	0	0	0	0	0	0
0.994753	0.987932	0	0	0	0	0	0
0.96388	0.992044	0	0	0	0	0	0
0.078999	0.032045	0	0	0	0	0	0
0.964545	0.992274	0	0	0	0	0	0
0.05255	0.056992	0	0	0	0	0	0
0.95475	0.980646	0	0	0	0	0	0
0.04851	0.041794	0	0	0	0	0	0
0.900845	0.927813	0	0	0	0	0	0
0.966623	0.988508	0	0	0	0	0	0
0.955159	0.965296	0	0	0	0	0	0
0.328642	0.570096	0	0	0	0	0	0
0.051803	0.014742	0	0	0	0	0	0
0.986759	0.979084	0	0	0	0	0	0
0.994223	0.998028	0	0	0	0	0	0
0.986972	0.983235	0	0	0	0	0	0
0.954007	0.995092	0	0	0	0	0	0
0.008814	0.010058	0	0	0	0	0	0
0.881051	0.927492	0	0	0	0	0	0
0.974075	0.977358	0	0	0	0	0	0
0.977283	0.979941	0	0	0	0	0	0
0.991575	0.986687	0	0	0	0	0	0
0.935851	0.975555	0	0	0	0	0	0
0.583434	0.685697	0	0	0	0	0	0
0.969837	0.830214	0.03	0	0	0	0	0
0.981877	0.992262	0	0	0	0	0	0
0.970189	0.983457	0	0	0	0	0	0
0.054097	0.050063	0	0	0	0	0	0
0.069415	0.045712	0	0	0	0	0	0
0.914118	0.958559	0	0	0	0	0	0
0.06812	0.098682	0	0	0	0	0	0
0.995685	0.997734	0	0	0	0	0	0
0.994788	0.996678	0	0	0	0	0	0
0.974961	0.993268	0	0	0	0	0	0
0.958323	0.888214	0	0	0	0	0	0
0.946772	0.807992	0	0	0	0	0	0
0.88415	0.926376	0	0	0	0	0	0
0.946369	0.944849	0	0	0	0	0	0
0.962975	0.996156	0.02	0	0	0	0	0
0.994468	0.954566	0	0	0	0	0	0
0.993472	0.977524	0	0	0	0	0	0
0.994117	0.922809	0	0	0	0	0	0

0.986968	0.679083	0.21	0	0	0	0	0
0.9939	0.842076	0.1	0	0	0	0	0
0.004001	0.006144	0	0	0	0	0	0
0.997253	0.99691	0	0	0	0	0	0
0.019968	0.014462	0	0	8	8	0	0
0.064984	0.080077	0	0	8	0	0	0
0.002299	0.005257	0	0	0	0	0	0
0.966001	0.717698	0.01	0	0	0	0	0
0.991827	0.963811	0	0	0	5	0	0
0.996769	0.996967	0	0	0	0	0	0
0.996006	0.996969	0	0	0	0	0	0
0.968246	0.975654	0	0	0	0	0	0
0.155752	0.027367	0	0	3	3	0	0
0.568356	0.659653	0	0	0	0	0	0
0.044596	0.019453	0	0	0	0	0	0
0.465187	0.572306	0	0	0	0	9	3
0.881866	0.745106	0	0	7	7	8	8
0.722093	0.793607	0	4	0	0	10	5
0.085317	0.259723	0.02	0	0	0	0	0
0.960711	0.985808	0	0	0	0	0	0
0.9745	0.979246	0	0	0	0	0	0
0.981025	0.833793	0.04	0	0	0	0	0
0.984144	0.989313	0	0	0	0	0	0
0.03825	0.038264	0	0	0	2	5	5
0.108903	0.134208	0	0	0	0	0	0
0.979478	0.989029	0	0	0	0	0	0
0.992294	0.987627	0	0	0	0	0	0
0.97913	0.988965	0	0	0	0	0	0
0.985988	0.978513	0	0	0	0	0	0
0.011538	0.031269	0	0	0	0	0	0
0.003968	0.003069	0	0	0	0	0	0
0.998474	0.998882	0	0	0	0	0	0
0.004248	0.006268	0	0	0	0	0	0
0.004423	0.009848	0	0	0	0	0	0
0.993044	0.989522	0	0	0	0	0	0
0.993132	0.993432	0	0	0	0	0	0
0.996498	0.989187	0	0	0	0	0	0
0.996084	0.991362	0	0	0	0	0	0
0.996568	0.997455	0	0	0	0	0	0
0.982632	0.988477	0	0	0	0	0	0
0.975076	0.990603	0	0	0	0	0	0
0.970996	0.99236	0	0	0	0	0	0
0.997329	0.998424	0	0	0	0	0	0
0.998918	0.999188	0	0	0	0	0	0
0.999042	0.99949	0	0	0	0	0	0
0.945895	0.947149	0	0	0	0	0	0
0.991034	0.994752	0	0	0	0	0	0

0.010206	0.005887	0	0	0	0	0	0
0.994736	0.98519	0	0	0	0	0	0
0.934074	0.957679	0	0	0	0	0	0
0.994635	0.981638	0	0	0	0	0	0
0.998095	0.996401	0	0	0	0	0	0
0.972946	0.866534	0	0	0	0	0	0
0.97849	0.869509	0	0	0	0	0	0
0.96393	0.95515	0	0	0	0	0	0
0.001869	0.001741	0	0	0	0	0	0
0.988632	0.858353	0.09	0	0	0	0	0
0.007556	0.034687	0	0	0	0	0	0
0.446284	0.52145	0	0	0	0	0	0
0.995775	0.985934	0	0	0	0	0	0
0.969724	0.947535	0	0	0	0	0	0
0.973248	0.947359	0	0	0	0	0	0
0.996561	0.997449	0	0	0	0	0	0
0.062098	0.051537	0	0	0	0	0	0
0.963964	0.982206	0	0	0	0	0	0
0.218062	0.262355	0	0	0	0	0	0
0.93909	0.932722	0	0	0	0	0	0
0.025147	0.02133	0	0	0	0	0	0
0.952375	0.966112	0	0	0	0	0	0
0.992825	0.997709	0	0	0	0	0	0
0.11264	0.201769	0	0	0	0	0	0
0.958771	0.964799	0	0	0	0	0	0
0.999796	0.999746	0	0	0	0	0	0
0.599381	0.680931	0.05	0	0	0	0	0
0.954052	0.980504	0	0	0	0	0	0
0.882593	0.928544	0	0	0	0	0	0
0.982922	0.968078	0	0	0	0	0	0
0.983951	0.984076	0	0	0	0	0	0
0.987397	0.967568	0	0	0	0	0	0
0.745431	0.562285	0	0	0	0	0	0
0.935615	0.898125	0	0	0	0	0	0
0.056152	0.006285	0	0	0	0	0	0
0.06736	0.076452	0	0	0	0	0	0
0.0516	0.006531	0	0	0	0	0	0
0.053718	0.011753	0	0	0	0	0	0
0.056298	0.010817	0	0	0	2	0	0
0.055795	0.012411	0	0	0	0	0	0
0.054574	0.011469	0	0	0	0	0	0
0.054521	0.016867	0	0	0	0	0	0
0.053001	0.013967	0	0	0	0	0	0
0.05446	0.006965	0	0	0	0	0	0
0.00386	0.003766	0	0	0	0	0	0
0.003717	0.004807	0	0	0	0	0	0
0.996213	0.998319	0	0	0	0	0	0

0.11836	0.345792	0.15	0	0	0	0	0
0.354996	0.117339	0.14	0	0	0	0	0
0.995279	0.993691	0	0	0	0	0	0
0.045125	0.253798	0.13	0	0	0	0	0
0.005247	0.041055	0	0	0	0	0	0
0.973363	0.989744	0	0	0	0	0	0
0.061813	0.11883	0	0	0	0	0	0
0.064331	0.049428	0	0	0	0	0	0
0.977027	0.975397	0	0	0	0	0	0
0.971075	0.99048	0	0	0	0	0	0
0.961469	0.967296	0	0	0	0	0	0
0.960156	0.97522	0	0	0	0	0	0
0.014603	0.022385	0	0	0	0	0	0
0.983466	0.970074	0	0	0	0	0	0
0.972603	0.959684	0	0	0	0	0	0
0.046982	0.033816	0	0	0	0	0	0
0.988916	0.985833	0	0	0	0	0	0
0.991466	0.996466	0	0	0	0	0	0
0.988861	0.852482	0.05	0	0	0	0	0
0.945075	0.983159	0	0	0	0	0	0
0.957131	0.976479	0	0	0	0	0	0
0.959558	0.833655	0	0	0	0	0	0
0.801202	0.488364	0.01	0	0	0	0	0
0.951945	0.898665	0	0	0	0	0	0
0.998232	0.999485	0	0	0	0	0	0
0.240826	0.139149	0.05	0	0	0	0	0
0.952186	0.900579	0	0	0	0	0	0
0.658895	0.952543	0.05	0	0	0	0	0
0.990036	0.991492	0	0	0	0	0	0
0.853401	0.886697	0	0	0	0	0	0
0.980468	0.935662	0	0	0	0	0	0
0.941071	0.939451	0	0	0	0	0	0
0.940318	0.951672	0	0	0	0	0	0
0.934075	0.982433	0	0	0	0	0	0
0.958987	0.990893	0	0	0	0	0	0
0.940816	0.976325	0	0	0	0	0	0
0.97467	0.936153	0	0	0	0	0	0
0.987396	0.971947	0	0	0	0	0	0
0.980095	0.979038	0	0	0	0	0	0
0.367326	0.507288	0	0	0	0	0	0
0.758962	0.841765	0	0	0	0	0	0
0.046535	0.019806	0	0	0	0	0	0
0.998004	0.997974	0	0	0	0	0	0
0.998104	0.997918	0	0	0	0	0	0
0.006972	0.029307	0	0	0	0	0	0
0.993338	0.997014	0	0	0	0	0	0
0.414741	0.681502	0.17	0	0	0	0	0

0.954377	0.97704	0	0	0	0	0	0
0.793164	0.724815	0	0	0	0	0	0
0.993554	0.998263	0	0	0	0	0	0
0.905098	0.955549	0	0	0	0	0	0
0.994474	0.998572	0	0	0	0	0	0
0.008921	0.007663	0	0	0	0	0	0
0.997608	0.998792	0	0	0	0	0	0
0.026496	0.018253	0	0	0	0	0	0
0.995761	0.997478	0	0	0	0	0	0
0.974157	0.946743	0	0	0	0	0	0
0.044411	0.194151	0	0	0	0	0	0
0.983617	0.945654	0	0	0	0	0	0
0.983871	0.981922	0	0	0	0	0	0
0.983092	0.977422	0	0	0	0	0	0
0.988802	0.939348	0	0	0	0	0	0
0.984949	0.958698	0	0	0	0	0	0
0.980252	0.95348	0	0	0	0	0	0
0.734424	0.888909	0	0	0	0	0	0
0.014461	0.004731	0	0	0	0	0	0
0.998701	0.957443	0	0	0	0	0	0
0.997954	0.999336	0	0	0	0	0	0
0.96883	0.997632	0	0	0	0	0	0
0.997456	0.998932	0	0	0	0	0	0
0.995015	0.998046	0	0	0	0	0	0
0.942441	0.952682	0	0	0	0	0	0
0.951619	0.958975	0	0	0	0	0	0
0.846507	0.875509	0	0	0	0	0	0
0.043299	0.127915	0	0	0	0	0	0
0.975043	0.94137	0	0	0	0	0	0
0.931169	0.930339	0	0	0	0	0	0
0.96916	0.945873	0	0	0	0	0	0
0.959736	0.897771	0	0	0	0	0	0
0.044726	0.156841	0	0	0	0	0	0
0.699015	0.886847	0	0	0	0	0	0
0.274871	0.31641	0	0	0	0	0	0
0.18322	0.410798	0	0	0	0	0	0
0.973511	0.952033	0	0	0	0	0	0
0.99599	0.997957	0	0	0	0	0	0
0.99332	0.979444	0	1	0	0	0	0
0.979631	0.918789	0	0	0	0	0	0
0.008147	0.010075	0	0	0	0	0	0
0.99413	0.977703	0	0	0	0	0	0
0.990506	0.98811	0	0	0	0	0	0
0.97258	0.970963	0	0	0	0	0	0
0.970591	0.947707	0	0	0	0	0	0
0.955118	0.903664	0	0	0	0	0	0
0.962259	0.934031	0	0	0	0	0	0

0.987323	0.978748	0	0	0	0	0	0
0.970616	0.958154	0	0	0	0	0	0
0.966912	0.956819	0	0	0	0	0	0
0.94758	0.935411	0	0	0	0	0	0
0.210792	0.375671	0	0	0	0	0	0
0.939473	0.962553	0	0	0	0	0	0
0.95361	0.959422	0	0	0	0	0	0
0.947468	0.952303	0	0	0	0	0	0
0.917366	0.941115	0	0	0	0	0	0
0.931367	0.909071	0	0	0	0	0	0
0.983459	0.951262	0	0	0	0	0	0
0.984343	0.990593	0	0	0	0	0	0
0.990522	0.994926	0	0	0	0	0	0
0.942662	0.802725	0.01	0	0	0	0	0
0.985994	0.97898	0	0	0	0	0	0
0.987884	0.790997	0.04	0	0	0	0	0
0.982077	0.846721	0.02	0	0	0	0	0
0.989721	0.9869	0	0	0	0	0	0
0.990198	0.99027	0	0	0	0	0	0
0.518481	0.569675	0	0	0	0	0	0
0.001179	0.001988	0	0	0	0	0	0
0.99898	0.998134	0	0	0	0	0	0
0.004169	0.005234	0	0	0	0	0	0
0.131405	0.171121	0	0	0	0	0	0
0.993015	0.994621	0	0	0	0	0	0
0.998931	0.997963	0	0	0	0	0	0
0.027162	0.012889	0	0	0	0	0	0
0.9949	0.997677	0	0	0	0	0	0
0.993811	0.994373	0	0	0	0	0	0
0.025227	0.060054	0.01	0	0	0	0	0
0.002849	0.000909	0	0	0	0	0	0
0.960484	0.899874	0	0	0	0	0	0
0.987642	0.985121	0	0	0	0	0	0
0.989957	0.979771	0	0	0	0	0	0
0.986615	0.978664	0	0	0	0	0	0
0.995522	0.997079	0	0	0	0	0	0
0.015569	0.038066	0	0	0	0	0	0
0.256411	0.575921	0.1	0	0	0	0	0
0.013371	0.01917	0	0	0	0	0	0
0.024911	0.037503	0	0	0	0	0	0
0.984638	0.970606	0	0	0	0	0	0
0.988748	0.87811	0.05	0	0	0	0	0
0.568606	0.070673	0.39	0	0	0	0	0
0.995652	0.990542	0	0	0	0	0	0
0.054593	0.073747	0	0	0	0	0	0
0.378932	0.128315	0.11	0	0	0	1	1
0.032765	0.016272	0	0	0	0	0	0

0.996568	0.996905	0	0	0	0	0	0
0.96426	0.885925	0.02	0	0	0	0	0
0.99349	0.989548	0	0	0	0	0	0
0.992367	0.989121	0	0	0	0	0	0
0.991617	0.993738	0	0	0	0	0	0
0.989616	0.978083	0	0	0	0	0	0
0.9905	0.969769	0	0	0	0	0	0
0.088657	0.079724	0	0	0	0	0	0
0.991192	0.981513	0	0	0	0	0	0
0.014095	0.014304	0	0	0	0	0	0
0.986688	0.992727	0	0	0	0	0	0
0.982493	0.982797	0	0	0	0	0	0
0.974362	0.973971	0	0	0	0	0	0
0.991345	0.974767	0	0	0	0	0	0
0.997093	0.594474	0.2	0	0	0	0	0
0.009828	0.076914	0	0	0	0	0	0
0.007446	0.014082	0	0	0	0	0	0
0.95653	0.931004	0	0	0	0	0	0
0.01348	0.012005	0	0	0	0	0	0
0.946124	0.905049	0	0	0	0	0	0
0.00726	0.01671	0	0	0	0	0	0
0.923292	0.985379	0	0	0	0	0	0
0.935295	0.875926	0	0	0	0	0	0
0.956337	0.919139	0	0	0	0	0	0
0.94505	0.971528	0	0	0	0	0	0
0.95595	0.958186	0	0	0	0	0	0
0.950143	0.83155	0	0	0	0	0	0
0.934415	0.952764	0	0	0	0	0	0
0.023218	0.029421	0	0	0	0	0	0
0.993105	0.990806	0	0	0	0	0	0
0.017802	0.032208	0	0	0	0	0	0
0.969861	0.989145	0	0	0	0	0	0
0.991864	0.995441	0	0	0	0	0	0
0.995347	0.993407	0	0	0	0	0	0
0.926887	0.949941	0	0	0	0	0	0
0.998675	0.993251	0	0	0	0	0	0
0.017647	0.089745	0.01	0	0	0	0	0
0.992795	0.989857	0	0	0	0	0	0
0.993217	0.992692	0	0	0	0	0	0
0.557746	0.210475	0	0	0	0	0	0
0.971209	0.95621	0	0	0	0	0	0
0.992492	0.991487	0	0	0	0	0	0
0.990355	0.918673	0	0	0	0	0	0
0.901149	0.963907	0	0	0	0	0	0
0.997932	0.991236	0	0	0	0	0	0
0.012447	0.023142	0	0	0	0	0	0
0.985566	0.902853	0.05	0	0	0	0	0

0.008744	0.003767	0	0	0	0	0	0
0.991492	0.951862	0.01	0	0	0	0	0
0.140934	0.284036	0.04	0	0	0	0	0
0.971384	0.998017	0	0	0	0	0	0
0.256905	0.306668	0	0	0	0	0	0
0.953143	0.967971	0	0	0	0	0	0
0.634483	0.641179	0	0	0	7	0	0
0.015525	0.035467	0	0	0	0	0	0
0.016967	0.040444	0	0	0	0	0	0
0.022184	0.090424	0	0	0	0	0	0
0.98067	0.984413	0	0	0	0	0	0
0.01666	0.023569	0	0	0	5	0	0
0.991152	0.979986	0	0	0	0	0	0
0.989798	0.980992	0	0	0	5	0	0
0.991276	0.987391	0	0	0	0	0	0
0.946533	0.950926	0	0	0	0	0	0
0.963707	0.939273	0	0	0	0	0	0
0.007501	0.0138	0	0	0	0	0	0
0.999139	0.999484	0	0	0	0	0	0
0.998994	0.998223	0	0	0	0	0	0
0.02763	0.052545	0	0	0	0	0	0
0.051827	0.018098	0	0	0	0	0	0
0.992456	0.993789	0	0	0	0	0	0
0.990521	0.99075	0	0	0	0	0	0
0.993576	0.983135	0	0	0	0	0	0
0.942359	0.927158	0	0	0	0	0	0
0.99076	0.958541	0	0	0	0	0	0
0.995967	0.987081	0	0	0	0	0	0
0.976083	0.939472	0	0	0	0	0	0
0.987308	0.977925	0	0	0	0	0	0
0.980852	0.965265	0	0	0	0	0	0
0.030791	0.047233	0	0	0	0	0	0
0.989045	0.961959	0	0	0	0	0	0
0.987119	0.961655	0	0	0	0	0	0
0.855838	0.771183	0	0	0	0	0	0
0.983733	0.926309	0	0	0	0	0	0
0.96831	0.96687	0	0	0	0	0	0
0.976587	0.978384	0	0	0	0	0	0
0.354686	0.252547	0	0	0	0	0	0
0.033665	0.314028	0.04	0	0	0	0	0
0.960787	0.968758	0	0	0	0	0	0
0.940779	0.963125	0	0	0	0	0	0
0.964475	0.961228	0	0	0	0	0	0
0.857779	0.829193	0	0	0	0	0	0
0.964777	0.978942	0	0	0	0	0	0
0.986597	0.97877	0	0	0	0	0	0
0.994574	0.989704	0	0	0	0	0	0

0.992816	0.953569	0	0	0	0	0	0
0.992588	0.987708	0	0	0	0	0	0
0.995291	0.982861	0	0	0	0	0	0
0.841313	0.852109	0	0	0	0	0	0
0.986471	0.980036	0	0	0	0	0	0
0.061625	0.098185	0	0	0	0	0	0
0.968394	0.950083	0	0	0	0	0	0
0.962268	0.951909	0	0	0	0	0	0
0.975919	0.987708	0	0	0	0	0	0
0.977152	0.984891	0	0	0	0	0	0
0.976491	0.951801	0	0	0	0	0	0
0.09293	0.090535	0	0	0	0	0	0
0.978196	0.962859	0	0	0	0	0	0
0.93531	0.900595	0	0	0	0	0	0
0.931839	0.957839	0	0	0	0	0	0
0.966752	0.974165	0	0	0	0	0	0
0.974414	0.979315	0	0	0	0	0	0
0.974223	0.982611	0	0	0	0	0	0
0.946379	0.961771	0	0	0	0	0	0
0.961164	0.950383	0	0	0	0	0	0
0.828059	0.956709	0	0	0	0	0	0
0.81756	0.954149	0	0	0	0	0	0
0.807404	0.948989	0	0	0	0	0	0
0.780209	0.913842	0	0	0	0	0	0
0.99335	0.971606	0	0	0	0	0	0
0.977901	0.941047	0	0	0	0	0	0
0.971651	0.887687	0	0	0	0	0	0
0.968811	0.943155	0	0	0	0	0	0
0.995363	0.994767	0	0	0	0	0	0
0.010424	0.013244	0	0	0	0	0	0
0.995141	0.983293	0	0	0	0	0	0
0.988733	0.936216	0	0	0	0	0	0
0.99358	0.989329	0	0	0	0	0	0
0.98419	0.927001	0	0	0	0	0	0
0.9727	0.77492	0.12	0	0	0	0	0
0.976344	0.839933	0.03	0	0	0	0	0
0.022267	0.031842	0	0	0	0	0	0
0.970863	0.973626	0	0	0	0	0	0
0.910527	0.915335	0	0	0	0	0	0
0.937952	0.949607	0	0	0	0	0	0
0.709232	0.648344	0	0	0	0	0	0
0.671075	0.953355	0	0	0	0	0	0
0.941571	0.972793	0	0	0	0	0	0
0.995846	0.997749	0	0	0	0	0	0
0.989276	0.956219	0	0	0	0	0	0
0.985538	0.983353	0	0	0	0	0	0
0.017791	0.0316	0	0	0	0	0	0

0.985398	0.981675	0	0	0	0	0	0
0.010726	0.023718	0	0	0	0	0	0
0.052924	0.163709	0	0	0	0	0	0
0.987753	0.97897	0	0	0	0	0	0
0.987442	0.972825	0	0	0	0	0	0
0.954944	0.948749	0	0	0	0	0	0
0.042876	0.089297	0	0	0	0	0	0
0.962543	0.975514	0	0	0	0	0	0
0.982539	0.910872	0	0	0	0	0	0
0.298669	0.633412	0.1	0	0	0	0	0
0.95694	0.981106	0	0	0	0	0	0
0.27201	0.598201	0.05	0	0	0	0	0
0.98309	0.988741	0	0	0	0	0	0
0.971463	0.992381	0	0	0	0	0	0
0.987244	0.996306	0	0	0	0	0	0
0.547824	0.726499	0	0	0	0	0	0
0.061188	0.013825	0	0	0	0	0	0
0.705354	0.482027	0	0	0	0	0	0
0.989791	0.966722	0	0	0	0	0	0
0.989144	0.988745	0	0	0	0	0	0
0.992229	0.980938	0	0	0	0	0	0
0.009464	0.068649	0	0	0	0	0	0
0.970305	0.946838	0	0	0	0	0	0
0.977675	0.927467	0	0	0	0	0	0
0.983922	0.987521	0	0	0	0	0	0
0.957308	0.960885	0	0	0	0	0	0
0.927995	0.923146	0	0	0	0	0	0
0.083225	0.061919	0	0	0	0	0	0
0.932846	0.936777	0	0	0	0	0	0
0.119778	0.361755	0	0	0	0	0	0
0.545194	0.58853	0	0	0	0	0	0
0.995919	0.998853	0	0	0	0	0	0
0.994497	0.998409	0	0	0	0	0	0
0.012637	0.009561	0	0	0	0	0	6
0.981043	0.807492	0.02	0	3	0	0	0
0.957509	0.952082	0	0	0	0	0	0
0.116118	0.209853	0	0	0	0	0	0
0.95432	0.960868	0	0	0	0	0	0
0.951712	0.928543	0	0	0	0	0	0
0.910465	0.888576	0	0	0	0	0	0
0.95841	0.948465	0	0	0	0	0	0
0.958281	0.934719	0	0	0	0	0	0
0.962558	0.810209	0	0	0	0	0	0
0.980605	0.955988	0	0	0	0	0	0
0.224107	0.456718	0	0	0	0	0	0
0.110561	0.385439	0.01	0	0	0	0	0
0.995852	0.998887	0	0	0	0	0	0

0.972959	0.846685	0	0	0	0	0	0
0.973922	0.930505	0	0	0	0	0	0
0.714024	0.693282	0	0	0	0	0	0
0.970289	0.967268	0	0	0	0	0	0
0.030137	0.027197	0	0	0	0	0	0
0.996925	0.909522	0.03	0	0	0	0	0
0.936051	0.982518	0	0	0	0	0	0
0.99441	0.973401	0	0	0	0	0	0
0.0059	0.015042	0	0	0	0	0	0
0.997772	0.985822	0	0	0	0	0	0
0.041655	0.149116	0.04	0	0	0	0	0
0.021664	0.066	0	0	0	0	0	0
0.261075	0.321918	0	0	0	0	0	0
0.964825	0.892898	0.04	0	0	0	0	0
0.995933	0.99692	0	0	0	0	0	0
0.99553	0.996703	0	0	0	0	0	0
0.182793	0.233749	0	0	0	0	0	0
0.994527	0.982908	0	0	0	0	0	0
0.874992	0.862062	0	0	0	0	0	0
0.960856	0.949027	0	0	0	0	0	0
0.007148	0.006284	0	0	0	0	0	0
0.472128	0.225322	0.13	0	0	6	0	0
0.36595	0.178089	0.07	0	0	0	0	0
0.004273	0.009453	0	0	0	0	0	0
0.998619	0.994658	0	0	0	0	0	0
0.998601	0.996069	0	0	0	0	0	0
0.132424	0.096485	0	0	0	0	0	0
0.040984	0.052159	0	0	0	0	0	0
0.975863	0.896685	0	0	0	0	0	0
0.98479	0.936999	0	0	6	0	0	0
0.958002	0.974269	0	0	0	0	0	0
0.897117	0.916434	0	0	0	0	0	0
0.970418	0.946172	0	0	0	0	0	0
0.958562	0.944736	0	0	0	0	0	0
0.979453	0.967929	0	0	0	0	0	0
0.934571	0.928256	0	0	0	0	0	0
0.949012	0.964589	0	0	0	0	0	0
0.962805	0.943693	0	0	0	0	0	0
0.958091	0.872771	0	0	0	0	0	0
0.89196	0.822022	0	0	0	0	0	0
0.693826	0.733163	0	0	0	0	0	0
0.965051	0.982347	0	0	0	0	0	0
0.725491	0.392546	0.02	0	0	0	0	0
0.011013	0.075722	0	0	0	0	0	0
0.830123	0.533857	0.05	0	0	0	0	0
0.820821	0.520923	0.07	0	0	0	0	0
0.694777	0.321887	0.05	0	0	0	0	0

0.046149	0.09749	0	0	0	0	0	0
0.981621	0.984016	0	0	0	0	0	0
0.979231	0.984013	0	0	0	0	0	0
0.989269	0.985241	0	0	0	0	0	0
0.978758	0.956228	0	0	0	0	0	0
0.976187	0.992841	0	0	0	0	0	0
0.059697	0.037127	0	0	0	0	0	0
0.954124	0.945826	0	0	0	0	0	0
0.943189	0.949907	0	0	0	0	0	0
0.702101	0.797254	0	0	0	0	0	0
0.97594	0.987444	0	0	0	0	0	0
0.973939	0.978235	0	0	0	0	0	0
0.808131	0.818136	0	0	0	0	0	0
0.960571	0.962296	0	0	0	0	0	0
0.017551	0.059567	0	0	0	0	0	0
0.838638	0.968665	0	0	0	0	0	0
0.123096	0.065998	0	0	0	0	0	0
0.975678	0.97218	0	0	0	0	0	0
0.050169	0.039122	0	0	0	0	0	0
0.954283	0.71492	0	0	0	0	0	0
0.971143	0.953674	0	0	0	0	0	0
0.987408	0.986574	0	0	0	0	0	0
0.977824	0.98495	0	0	0	0	0	0
0.242844	0.059335	0	0	0	0	0	0
0.955815	0.929616	0	0	0	0	0	0
0.929694	0.879016	0	0	0	0	0	0
0.97058	0.896007	0	0	0	0	0	0
0.97549	0.954694	0	0	0	0	0	0
0.985727	0.985295	0	0	0	0	0	0
0.92211	0.97292	0	0	0	0	0	0
0.985683	0.978365	0	0	0	0	0	0
0.987549	0.942451	0	0	0	0	0	0
0.875348	0.931205	0	0	0	0	0	0
0.90198	0.87544	0	0	0	0	0	0
0.989008	0.974802	0	0	0	0	0	0
0.018222	0.080802	0	0	0	0	0	0
0.994296	0.918729	0	0	0	0	0	0
0.960096	0.935506	0	0	0	0	0	0
0.993585	0.984748	0	0	0	0	0	0
0.995242	0.987431	0	0	0	0	0	0
0.990056	0.980575	0	0	0	0	0	0
0.992394	0.988632	0	0	0	0	0	0
0.072484	0.129409	0	0	0	0	0	0
0.937738	0.936386	0	0	0	0	0	0
0.966454	0.956256	0	0	0	0	0	0
0.96657	0.967645	0	0	0	0	0	0
0.062838	0.056648	0	0	0	0	0	0

0.974203	0.849091	0	0	0	0	0	0
0.974035	0.982546	0	0	0	0	0	0
0.890724	0.776093	0	0	0	0	0	0
0.91006	0.931821	0	0	0	0	0	0
0.971673	0.95911	0	0	0	0	0	0
0.058267	0.045543	0	0	0	0	0	0
0.970544	0.954614	0	0	0	0	0	0
0.968597	0.969379	0	0	0	0	0	0
0.98178	0.959785	0	0	0	0	0	0
0.776026	0.33367	0.08	0	0	0	0	0
0.895006	0.492251	0.11	0	0	0	0	0
0.957941	0.87835	0	0	0	0	0	0
0.776146	0.339066	0	0	0	0	0	0
0.726539	0.269146	0.03	0	0	0	0	0
0.670317	0.28552	0	0	0	0	0	0
0.963986	0.984474	0	0	0	0	0	0
0.980177	0.922484	0	0	0	0	0	0
0.942838	0.951098	0	0	0	0	0	0
0.974574	0.980723	0	0	0	0	0	0
0.082888	0.073741	0	0	0	0	0	0
0.35706	0.272736	0	0	0	0	0	0
0.396961	0.486774	0	0	0	0	0	0
0.950434	0.842291	0	0	0	0	0	0
0.056538	0.059229	0	0	0	0	0	0
0.053309	0.049979	0	0	0	0	0	0
0.955612	0.969517	0	0	0	0	0	0
0.966777	0.944886	0	0	0	0	0	0
0.94843	0.958339	0	0	0	0	0	0
0.968729	0.968366	0	0	0	0	0	0
0.968241	0.935925	0	0	0	0	0	0
0.966902	0.926692	0	0	0	0	0	0
0.977152	0.950571	0	0	0	0	0	0
0.956177	0.967893	0	0	0	0	0	0
0.973274	0.962732	0	0	0	0	0	0
0.957862	0.949588	0	0	0	0	0	0
0.979877	0.95656	0	0	0	0	0	0
0.979918	0.911829	0	0	0	0	0	0
0.966733	0.949695	0	0	0	0	0	0
0.948348	0.698476	0.07	0	0	0	0	0
0.922477	0.826041	0	0	0	0	0	0
0.971082	0.986155	0	0	0	0	0	0
0.966725	0.905762	0	0	0	0	0	0
0.955035	0.936623	0	0	0	0	0	0
0.947938	0.938434	0	0	0	0	0	0
0.936587	0.967878	0	0	0	0	0	0
0.93244	0.966194	0	0	0	0	0	0
0.97134	0.968764	0	0	0	0	0	0

0.959622	0.965686	0	0	0	0	0	0
0.959414	0.941172	0	0	0	0	0	0
0.97833	0.976319	0	0	0	0	0	0
0.965342	0.9599	0	0	0	0	0	0
0.983535	0.988727	0	0	0	0	0	0
0.974668	0.976762	0	0	0	0	0	0
0.96842	0.994887	0	0	0	0	0	0
0.965106	0.979759	0	0	0	0	0	0
0.737052	0.754972	0	0	0	0	0	0
0.988847	0.977656	0	0	0	0	0	0
0.030087	0.059091	0	0	0	0	0	0
0.987401	0.981024	0	0	0	0	0	0
0.984558	0.974782	0	0	0	0	0	0
0.797567	0.672805	0	0	0	0	0	0
0.964991	0.969705	0	0	0	0	0	0
0.959148	0.949719	0	0	0	0	0	0
0.937324	0.90691	0	0	0	0	0	0
0.969415	0.958834	0	0	0	0	0	0
0.966291	0.962096	0	0	0	0	0	0
0.123573	0.245406	0	0	0	0	0	0
0.998022	0.99538	0	0	0	0	0	0
0.305648	0.354008	0	0	0	0	0	0
0.00696	0.00444	0	0	0	0	0	0
0.997846	0.998721	0	0	0	0	0	0
0.007423	0.010835	0	0	0	0	0	0
0.021399	0.012149	0	0	0	0	0	0
0.226039	0.305632	0	0	0	0	0	0
0.996457	0.996691	0	0	0	0	0	0
0.998018	0.997814	0	0	0	0	0	0
0.983261	0.975532	0	0	0	0	0	0
0.99013	0.961396	0	0	0	0	0	0
0.996557	0.992829	0	0	0	0	0	0
0.955191	0.752637	0.08	0	0	0	0	0
0.995235	0.981403	0	0	0	0	0	0
0.971666	0.949808	0	0	0	0	0	0
0.922169	0.918557	0	0	0	0	0	0
0.9837	0.968125	0	0	0	0	0	0
0.986652	0.964063	0	0	0	0	0	0
0.968554	0.954381	0	0	0	0	0	0
0.9762	0.96316	0	0	0	0	0	0
0.971534	0.975862	0	0	0	0	0	0
0.974181	0.960806	0	0	0	0	0	0
0.982184	0.970892	0	0	0	0	0	0
0.039602	0.038677	0	0	0	0	0	0
0.979561	0.981568	0	0	0	0	0	0
0.960055	0.946968	0	0	0	0	0	0
0.882094	0.859015	0	0	0	0	0	0

0.974357	0.952006	0	0	0	0	0	0
0.908315	0.953004	0	0	0	0	0	0
0.971979	0.915614	0	0	0	0	0	0
0.939008	0.932706	0	0	0	0	0	0
0.961015	0.916055	0	0	0	0	0	0
0.978304	0.974583	0	0	0	0	0	0
0.036628	0.134538	0	0	0	0	0	0
0.032868	0.137802	0	0	0	0	0	0
0.952615	0.759025	0	0	0	0	0	0
0.960035	0.96949	0	0	0	0	0	0
0.971612	0.787196	0	0	0	0	0	0
0.971159	0.960985	0	0	0	0	0	0
0.991805	0.97709	0	0	0	0	0	3
0.378064	0.405205	0	0	0	0	0	0
0.605997	0.707057	0	0	0	0	0	0
0.951244	0.969629	0	0	0	0	0	0
0.942096	0.872352	0	0	0	0	0	0
0.004222	0.008394	0	0	0	0	0	0
0.008249	0.013624	0	0	0	0	0	0
0.996581	0.992363	0	0	0	0	0	0
0.99616	0.991129	0	0	0	0	0	0
0.952839	0.955892	0	0	0	2	0	0
0.951905	0.939529	0	0	0	0	0	0
0.996522	0.991885	0	0	0	0	0	0
0.99892	0.997656	0	0	0	0	0	0
0.086225	0.020912	0.02	0	0	0	0	0
0.017586	0.015378	0	0	0	0	0	0
0.005466	0.004362	0	0	0	0	0	0
0.98436	0.922383	0	0	0	0	0	0
0.993135	0.977571	0	0	0	0	0	0
0.984053	0.956079	0	0	0	0	0	0
0.991004	0.986123	0	0	0	0	0	0
0.972178	0.995184	0	0	0	0	0	0
0.981402	0.995034	0	0	0	1	0	0
0.98582	0.993675	0	0	0	0	0	0
0.983542	0.997727	0	0	0	0	0	0
0.993327	0.979056	0	0	0	0	0	0
0.991914	0.991791	0	0	0	0	0	0
0.773958	0.891891	0	0	0	0	0	0
0.857261	0.884244	0	0	0	0	0	0
0.95611	0.946629	0	0	0	0	0	0
0.938819	0.966517	0	0	0	0	0	0
0.95328	0.959245	0	0	0	0	0	0
0.001365	0.003595	0	0	0	0	0	0
0.007249	0.00488	0	0	0	0	0	0
0.998766	0.997288	0	0	0	0	0	0
0.000228	0.000403	0	0	0	0	0	0

0.876078	0.918349	0	0	0	0	0	0
0.994555	0.975792	0	0	0	0	0	0
0.993249	0.9747	0	0	0	0	0	0
0.994314	0.977521	0	0	0	0	0	0
0.911542	0.964793	0	0	0	0	0	0
0.992487	0.974606	0	0	0	0	0	0
0.993121	0.995542	0	0	0	0	0	0
0.084747	0.033778	0.01	0	0	0	0	0
0.998863	0.997719	0	0	0	0	0	0
0.998847	0.998229	0	0	0	0	0	0
0.979167	0.987726	0	0	0	0	0	0
0.985414	0.990811	0	0	0	0	0	0
0.979395	0.992925	0	0	0	0	0	0
0.95476	0.983975	0	0	0	0	0	0
0.989039	0.97872	0	0	0	0	0	0
0.98378	0.988854	0	0	0	0	0	0
0.987954	0.994929	0	0	0	0	0	0
0.012057	0.010484	0	0	0	0	0	0
0.991792	0.991464	0	0	0	0	0	0
0.978495	0.985556	0	0	0	0	0	0
0.983222	0.992638	0	0	0	0	0	0
0.995059	0.995594	0	0	0	0	0	0
0.987437	0.9584	0	0	6	0	0	0
0.987308	0.985604	0	0	0	0	0	0
0.983288	0.985354	0	0	0	0	0	0
0.9901	0.992985	0	0	0	0	0	0
0.990795	0.992889	0	0	0	0	0	0
0.978559	0.943552	0	0	0	0	0	0
0.982022	0.941345	0	0	0	0	0	0
0.991636	0.990868	0	0	1	0	0	0
0.987291	0.870243	0.03	3	3	0	2	3
0.973871	0.967455	0	0	0	0	0	0
0.991315	0.976414	0	0	0	0	0	0
0.986972	0.984993	0	0	0	0	0	0
0.988203	0.968392	0	0	0	0	0	0
0.949311	0.982042	0	0	0	0	0	0
0.93758	0.951109	0	0	0	5	0	0
0.010535	0.009261	0	0	0	3	0	0
0.989947	0.93067	0	0	0	0	0	0
0.754429	0.767266	0	0	0	0	0	0
0.120046	0.052007	0	0	0	0	0	0
0.989535	0.955267	0	0	0	0	0	0
0.989476	0.983789	0	0	0	0	0	0
0.942691	0.855949	0	0	0	0	0	0
0.998283	0.998576	0	0	0	0	0	0
0.997989	0.995141	0	0	0	0	0	0
0.9985	0.998589	0	0	0	0	0	0

0.99861	0.994861	0	0	0	0	0	0
0.997988	0.994086	0	0	0	0	0	0
0.942985	0.823773	0	0	0	0	0	0
0.099874	0.196786	0	0	0	0	0	0
0.986171	0.93095	0	0	0	0	0	0
0.940559	0.935101	0	0	0	0	0	0
0.948533	0.940399	0	0	0	0	0	0
0.956628	0.955157	0	0	0	0	0	0
0.979744	0.954555	0	0	0	0	0	0
0.973447	0.948559	0	0	0	0	0	0
0.987335	0.943911	0	0	0	0	0	0
0.984585	0.96189	0	0	0	0	0	0
0.985021	0.960238	0	0	0	0	0	0
0.98636	0.975396	0	0	0	0	0	0
0.990669	0.974149	0	0	0	0	0	0
0.95472	0.817686	0	0	0	0	0	0
0.993064	0.984378	0	0	0	0	0	0
0.992821	0.985093	0	0	0	0	0	0
0.994967	0.987234	0	0	0	0	0	0
0.995282	0.988335	0	0	0	0	0	0
0.995744	0.992355	0	0	0	0	0	0
0.987075	0.920489	0.01	0	0	0	0	0
0.057325	0.054628	0	0	0	0	0	0
0.976756	0.983528	0	0	0	0	0	0
0.983015	0.962741	0	0	0	0	0	0
0.979854	0.958625	0	0	0	0	0	0
0.98294	0.966868	0	0	0	0	0	0
0.983956	0.973403	0	0	0	0	0	0
0.984771	0.981602	0	0	0	0	0	0
0.984934	0.983696	0	0	0	0	0	0
0.982796	0.978722	0	0	0	0	0	0
0.983517	0.981009	0	0	0	0	0	0
0.978569	0.982373	0	0	0	0	0	0
0.978011	0.980016	0	0	0	0	0	0
0.983469	0.964155	0	0	0	0	0	0
0.97742	0.979036	0	0	0	0	0	0
0.980576	0.977705	0	0	0	0	0	0
0.979398	0.981687	0	0	0	0	0	0
0.979085	0.983929	0	0	0	0	0	0
0.971702	0.979465	0	0	0	0	0	0
0.974161	0.97467	0	0	0	0	0	0
0.989639	0.991475	0	0	0	0	0	0
0.976884	0.950167	0	0	0	0	0	0
0.977328	0.959503	0	0	0	0	0	0
0.977446	0.91197	0	0	0	0	0	0
0.977528	0.957996	0	0	0	0	0	0
0.978511	0.959081	0	0	0	0	0	0

0.98638	0.972104	0	0	0	0	0	0
0.985977	0.970589	0	0	0	0	0	0
0.02693	0.034123	0	0	0	0	0	0
0.98695	0.979474	0	0	0	0	0	0
0.988335	0.9857	0	0	0	0	0	0
0.979335	0.972932	0	0	0	0	0	0
0.018024	0.054162	0	0	0	0	0	0
0.969365	0.936147	0	0	0	0	0	0
0.975481	0.957863	0	0	0	0	0	0
0.979217	0.847715	0	0	0	0	0	0
0.9671	0.93928	0	0	0	0	0	0
0.968702	0.960524	0	0	0	0	0	0
0.970212	0.938081	0	0	0	0	0	0
0.964454	0.946855	0	0	0	0	0	0
0.963155	0.906143	0	0	0	0	0	0
0.991008	0.994851	0	0	0	0	0	0
0.99626	0.99609	0	0	0	0	0	0
0.994564	0.906751	0	0	0	0	0	0
0.995215	0.994862	0	0	0	0	0	0
0.988862	0.98573	0	0	0	0	0	0
0.030905	0.086397	0	0	0	0	0	0
0.038396	0.259581	0	0	0	0	0	0
0.987258	0.994295	0	0	0	0	0	0
0.962817	0.468583	0.33	0	0	0	0	0
0.986322	0.978442	0	0	0	5	0	0
0.98971	0.978379	0	0	0	0	0	0
0.040508	0.380835	0.15	0	0	0	0	0
0.98155	0.971347	0	0	0	0	0	0
0.993643	0.994727	0	0	0	0	0	0
0.967295	0.978995	0	0	0	0	0	0
0.992058	0.996372	0	0	0	0	0	0
0.996621	0.999455	0	0	0	0	0	0
0.970307	0.939436	0.03	0	0	0	0	0
0.995338	0.990158	0	0	0	0	0	0
0.997814	0.976693	0.02	0	0	0	0	0
0.986637	0.978782	0	0	0	0	0	0
0.05252	0.054086	0	0	0	0	0	0
0.057542	0.241694	0.01	0	0	0	0	0
0.846919	0.881811	0	0	0	0	0	0
0.056742	0.162604	0	0	0	0	0	0
0.997339	0.958896	0.01	0	1	1	0	0
0.989407	0.981418	0	0	0	0	0	0
0.974803	0.963119	0	0	0	0	0	0
0.958448	0.96027	0	0	0	0	0	0
0.96105	0.952006	0	0	0	0	0	0
0.976961	0.979916	0	0	0	0	0	0
0.955734	0.960799	0	0	0	0	0	0

0.977837	0.979645	0	0	0	0	0	0
0.970228	0.951196	0	0	0	0	0	0
0.924542	0.952908	0	0	0	0	0	0
0.991638	0.996136	0	0	0	0	0	0
0.02716	0.058297	0	0	0	0	0	0
0.981411	0.98411	0	0	0	0	0	0
0.997771	0.970563	0	0	0	0	0	0
0.994959	0.99739	0	0	0	0	0	0
0.997654	0.998482	0	0	0	0	0	0
0.997432	0.998299	0	0	0	0	0	0
0.040119	0.035256	0	0	0	0	0	0
0.008133	0.005453	0	0	0	0	0	0
0.995151	0.996692	0	0	0	0	0	0
0.996768	0.99708	0	0	0	0	0	0
0.964575	0.987171	0	0	0	0	0	0
0.986592	0.986851	0	0	0	0	0	0
0.985442	0.989972	0	0	0	0	0	0
0.914546	0.935273	0	0	0	0	0	0
0.826767	0.881556	0	0	0	0	0	0
0.995526	0.996133	0	0	0	0	0	0
0.996936	0.996961	0	0	0	0	0	0
0.012004	0.0756	0	0	0	0	0	0
0.996472	0.985839	0	0	0	0	0	0
0.058686	0.035837	0	0	0	0	0	0
0.975	0.920267	0	0	0	0	0	0
0.952746	0.96977	0	0	0	0	0	0
0.999713	0.999754	0	0	0	0	0	0
0.000794	0.000905	0	0	0	0	0	0
0.995324	0.998475	0	0	0	0	0	0
0.000501	0.000609	0	0	0	0	0	0
0.970023	0.985882	0	0	0	0	0	0
0.999122	0.999089	0	0	0	0	0	0
0.837888	0.789904	0	0	0	0	0	0
0.968499	0.983324	0	0	0	0	0	0
0.954499	0.803986	0	0	0	0	0	0
0.94527	0.847536	0	0	0	0	0	0
0.875598	0.822529	0	0	0	0	0	0
0.941337	0.941894	0	0	0	0	0	0
0.942714	0.90524	0	0	0	0	0	0
0.11201	0.031609	0	0	0	0	0	0
0.978389	0.969285	0	0	0	0	0	0
0.099619	0.073849	0	0	0	0	0	0
0.95721	0.924976	0	0	0	0	0	0
0.944215	0.934452	0	0	0	0	0	0
0.963562	0.988973	0	0	0	0	0	0
0.97175	0.987285	0	0	0	0	0	0
0.994453	0.939467	0.02	0	0	0	0	0

0.995641	0.99507	0	0	0	0	0	0
0.954545	0.9674	0	0	0	0	0	0
0.991456	0.997729	0	0	0	0	0	0
0.99764	0.99855	0	0	0	0	0	0
0.987081	0.997559	0	0	0	0	0	0
0.850559	0.926748	0.01	0	0	0	0	0
0.889526	0.96842	0.03	0	0	0	0	0
0.996033	0.992437	0	0	0	0	0	0
0.996172	0.997497	0	0	0	0	0	0
0.989256	0.992551	0	0	0	0	0	0
0.986639	0.952898	0	0	0	0	0	0
0.987983	0.995632	0	0	0	0	0	0
0.952608	0.945914	0	0	0	0	0	0
0.005615	0.00882	0	0	0	0	0	0
0.994505	0.982471	0	0	0	0	0	0
0.016939	0.015809	0	0	0	0	0	0
0.947472	0.814032	0.06	0	0	0	0	0
0.998349	0.984344	0	0	0	0	0	0
0.994395	0.997105	0	0	0	0	0	0
0.995969	0.999177	0	0	0	0	0	0
0.011114	0.024318	0	0	0	0	0	0
0.995213	0.955282	0	0	0	0	0	0
0.994197	0.97645	0	0	0	0	0	0
0.958445	0.963877	0	0	0	0	0	0
0.929444	0.863698	0	0	0	0	0	0
0.996141	0.994386	0	0	0	0	0	0
0.013338	0.010844	0	0	0	0	0	0
0.945929	0.921714	0	0	0	0	0	0
0.974124	0.944125	0	0	0	0	0	0
0.962711	0.815783	0.03	0	0	0	0	0
0.952099	0.815674	0	0	0	0	0	0
0.970523	0.913291	0	0	0	0	0	0
0.990658	0.94871	0	0	0	0	0	0
0.992088	0.959352	0	0	0	0	0	0
0.993796	0.975292	0	0	0	0	0	0
0.994631	0.966807	0	0	0	0	0	0
0.012831	0.035344	0	0	0	0	0	0
0.993653	0.972715	0	0	0	0	0	0
0.992195	0.974209	0	0	0	0	0	0
0.994568	0.977087	0	0	0	0	0	0
0.994778	0.977892	0	0	0	0	0	0
0.993491	0.978189	0	0	0	0	0	0
0.996257	0.992455	0	0	0	0	0	0
0.995722	0.994695	0	0	0	0	0	0
0.007388	0.019097	0	0	0	0	0	0
0.994373	0.988067	0	0	0	0	0	0
0.999172	0.999157	0	0	0	0	0	0

0.998272	0.999342	0	0	0	0	0	0
0.999643	0.998243	0	0	0	0	0	0
0.050955	0.118654	0	0	0	0	0	0
0.999184	0.994283	0	0	0	0	0	0
0.998951	0.939699	0.03	0	0	0	0	0
0.019242	0.137655	0.05	0	0	0	0	0
0.001958	0.007943	0.01	0	0	0	0	0
0.997675	0.996329	0	0	0	0	0	0
0.989618	0.978034	0	0	0	0	0	0
0.013132	0.032942	0	0	0	0	0	0
0.071206	0.575621	0.33	0	0	0	0	0
0.992254	0.960057	0	0	0	0	0	0
0.997405	0.98942	0	0	0	0	0	0
0.017742	0.089524	0.02	0	0	0	0	0
0.932431	0.86895	0	0	0	0	0	0
0.429268	0.169275	0.16	0	0	2	0	0
0.007874	0.003358	0	0	0	0	0	0
0.019016	0.027223	0.02	0	0	0	0	0
0.00959	0.101307	0.04	0	0	1	0	0
0.993777	0.963813	0	0	0	0	0	0
0.009095	0.047808	0	0	0	0	0	0
0.862747	0.905781	0	0	0	0	0	0
0.264201	0.078893	0	0	0	0	0	0
0.997294	0.993106	0	0	0	0	0	0
0.99273	0.939691	0	0	0	0	0	0
0.983661	0.781925	0.04	0	0	0	0	0
0.980755	0.957287	0	0	0	0	0	0
0.983867	0.947871	0	0	0	0	0	0
0.007555	0.050032	0	0	0	0	0	0
0.96913	0.96901	0	0	0	0	0	0
0.089071	0.107649	0	0	0	0	0	0
0.005992	0.055924	0	0	0	0	0	0
0.970818	0.976217	0	0	0	0	0	0
0.967919	0.976279	0	0	0	0	0	0
0.01138	0.072348	0	0	0	0	0	0
0.968481	0.97578	0	0	0	0	0	0
0.007045	0.04199	0	0	0	0	0	0
0.962689	0.979814	0	0	0	0	0	0
0.995807	0.978116	0	0	0	0	0	0
0.994429	0.978651	0	0	0	0	0	0
0.994807	0.966067	0	0	0	0	0	0
0.962955	0.959703	0	0	0	0	0	0
0.963329	0.962758	0	0	0	0	0	0
0.959371	0.961105	0	0	0	0	0	0
0.991905	0.986189	0	0	0	0	0	0
0.020908	0.012719	0	0	0	0	0	0
0.992686	0.991624	0	0	0	0	0	0

0.043677	0.019256	0	0	0	0	0	0
0.055585	0.024587	0	0	0	0	0	0
0.987379	0.98424	0	0	0	0	0	0
0.984891	0.880567	0	0	0	0	0	0
0.989909	0.956474	0	0	0	0	0	0
0.995701	0.997387	0	0	0	0	0	0
0.998052	0.996852	0	0	0	0	0	0
0.007267	0.007231	0	0	0	0	0	0
0.006604	0.011281	0	0	0	0	0	0
0.007431	0.00835	0	0	0	0	0	0
0.982948	0.972993	0	0	0	0	0	0
0.974082	0.937883	0	0	0	0	0	0
0.952639	0.942765	0	0	0	0	0	0
0.951605	0.960643	0	0	0	0	0	0
0.961479	0.964916	0	0	0	0	0	0
0.642016	0.887358	0	0	0	0	0	0
0.957725	0.965155	0	0	0	0	0	0
0.963126	0.552697	0.05	0	0	0	0	0
0.520117	0.309992	0	0	0	0	0	0
0.99506	0.981354	0	0	0	0	0	0
0.995313	0.983155	0	0	0	0	0	0
0.995183	0.980005	0	0	0	0	0	0
0.083338	0.203356	0.01	0	0	0	0	0
0.995753	0.945836	0	0	0	0	0	0
0.988455	0.990449	0	0	0	0	0	0
0.882954	0.841545	0	0	0	0	0	0
0.978144	0.966597	0	0	0	0	0	0
0.99627	0.456785	0.39	0	0	0	0	0
0.03199	0.037148	0	0	0	0	0	0
0.97468	0.969223	0	0	0	0	0	0
0.045385	0.05731	0	0	0	0	0	0
0.963128	0.824574	0	0	0	0	0	0
0.983246	0.94622	0	0	0	0	0	0
0.944212	0.943944	0	0	0	0	0	0
0.968326	0.982756	0	0	0	0	0	0
0.991838	0.987308	0	0	0	0	0	0
0.99324	0.991226	0	0	0	0	0	0
0.993538	0.991019	0	0	0	0	0	0
0.993283	0.988461	0	0	0	0	3	3
0.993207	0.981563	0	0	0	0	0	0
0.995204	0.993542	0	0	0	0	0	0
0.018662	0.097904	0	0	0	0	0	0
0.992523	0.991844	0	0	0	0	0	0
0.9947	0.861523	0.05	0	0	0	0	0
0.992254	0.993578	0	0	0	0	0	0
0.983199	0.951869	0	0	0	0	0	0
0.941525	0.983875	0	0	0	0	0	0

0.028447	0.066376	0	0	0	0	0	0
0.991921	0.990256	0	0	0	0	0	0
0.983598	0.962884	0	0	0	0	0	0
0.940419	0.978019	0	0	0	0	0	0
0.010305	0.005608	0	0	0	0	0	0
0.034093	0.078061	0	0	0	0	0	0
0.989968	0.964356	0	0	0	0	0	0
0.988674	0.989058	0	0	0	0	0	0
0.989093	0.990129	0	0	0	0	0	0
0.955016	0.968767	0	0	0	0	0	0
0.963418	0.965658	0	0	0	0	0	0
0.964144	0.963294	0	0	0	0	0	0
0.965007	0.953334	0	0	0	0	0	0
0.809402	0.774034	0	0	0	0	0	0
0.016476	0.060688	0	0	0	0	0	0
0.996329	0.99484	0	0	0	0	0	0
0.112476	0.133342	0	0	0	0	0	0
0.994731	0.996712	0	0	0	0	0	0
0.960834	0.995792	0	0	0	0	0	0
0.849545	0.947681	0	0	0	0	0	0
0.993412	0.996925	0	0	0	0	0	0
0.992478	0.99613	0	0	0	0	0	0
0.992459	0.906454	0.04	0	0	0	0	0
0.120043	0.022116	0.04	0	0	0	0	0
0.991156	0.990729	0	0	0	0	0	0
0.995003	0.997704	0	0	0	0	0	0
0.9398	0.903767	0	0	0	0	0	0
0.105774	0.213771	0	0	0	0	0	0
0.958465	0.729046	0.09	0	0	0	0	0
0.949414	0.963997	0	0	0	0	0	0
0.874576	0.945385	0	0	0	0	0	0
0.94615	0.975253	0	0	0	0	0	0
0.95498	0.768499	0	0	0	0	0	0
0.952042	0.862568	0	0	0	0	0	0
0.998478	0.995549	0	0	0	0	0	0
0.989408	0.992983	0	0	0	0	0	0
0.977855	0.922705	0.02	0	0	0	0	0
0.997321	0.994516	0	0	0	0	0	0
0.999415	0.997868	0	0	0	0	0	0
0.999264	0.998748	0	0	0	0	0	0
0.998217	0.999614	0	0	0	0	0	0
0.483473	0.079747	0.34	0	0	0	0	0
0.008364	0.002717	0	0	0	0	0	0
0.981683	0.974374	0	0	0	0	0	0
0.918629	0.908507	0	0	0	0	0	0
0.997136	0.999008	0	0	0	0	0	0
0.001656	0.001052	0	0	0	0	0	0

0.868017	0.852731	0	0	0	0	0	0
0.265676	0.750706	0.4	0	0	0	0	0
0.971557	0.964429	0	0	0	0	0	0
0.977726	0.95566	0	0	0	0	0	0
0.106632	0.096777	0	0	0	0	0	0
0.982056	0.956701	0	0	0	0	0	0
0.961117	0.956754	0	0	0	0	0	0
0.945796	0.95983	0	0	0	0	0	0
0.997064	0.988584	0	0	0	0	0	0
0.99775	0.994999	0	0	0	0	0	0
0.9814	0.966207	0	0	0	23	0	0
0.000992	0.001096	0	0	0	0	0	0
0.822971	0.836275	0.02	0	0	0	0	0
0.968218	0.985705	0	0	0	0	0	0
0.953906	0.985161	0.01	0	0	5	0	0
0.997478	0.984017	0	0	0	0	2	11
0.984466	0.994027	0	0	0	0	1	7
0.664308	0.905752	0.11	2	10	6	0	0
0.068944	0.088815	0	0	0	0	0	0
0.887157	0.861096	0	0	0	14	14	14
0.966304	0.76831	0.12	0	0	0	4	7
0.989528	0.990406	0	0	0	0	0	0
0.992333	0.988897	0	0	0	0	0	0
0.686642	0.748075	0	0	0	4	0	0
0.978687	0.977242	0	0	0	0	0	2
0.581276	0.827155	0.11	4	0	6	0	0
0.27658	0.656025	0.24	1	0	0	0	0
0.059101	0.273571	0.11	1	0	0	0	0
0.109576	0.20835	0	1	0	2	0	0
0.984304	0.986689	0	0	0	0	0	0
0.978175	0.987382	0	0	0	0	0	0
0.982568	0.967205	0	0	0	0	0	0
0.948075	0.934327	0	0	0	0	0	0
0.986906	0.987404	0	0	0	0	0	0
0.981744	0.949077	0	0	0	0	0	0
0.038262	0.046946	0	0	0	0	0	0
0.990028	0.945666	0	0	0	0	0	0
0.986591	0.991953	0	0	0	0	0	0
0.016229	0.03548	0	0	0	0	0	0
0.995103	0.994734	0	0	0	0	0	0
0.018951	0.040067	0	0	0	0	0	0
0.996242	0.994062	0	0	0	0	0	0
0.996464	0.865919	0.06	0	0	0	0	0
0.062988	0.102043	0	0	0	0	0	0
0.995936	0.994418	0	0	0	0	0	0
0.024624	0.042655	0	0	0	0	0	0
0.980948	0.980559	0	0	0	0	0	0

0.990426	0.986281	0	0	0	0	0	0
0.99162	0.926732	0	0	0	0	0	0
0.991548	0.98945	0	0	0	0	0	0
0.061063	0.052746	0	0	0	0	0	0
0.98475	0.965811	0	0	0	0	0	0
0.045915	0.26896	0	2	0	0	0	0
0.975553	0.938619	0	0	0	0	0	0
0.988292	0.969416	0	0	0	0	0	0
0.991147	0.983502	0	0	0	0	0	0
0.97259	0.946492	0	0	0	0	3	3
0.980012	0.906935	0	0	0	0	0	0
0.002378	0.002902	0	0	0	0	0	0
0.998474	0.997062	0	0	0	0	0	0
0.992448	0.990494	0	0	0	0	0	0
0.014905	0.075023	0.03	0	0	0	0	0
0.998669	0.99857	0	0	0	0	0	0
0.999087	0.997421	0	0	0	0	0	0
0.998841	0.995731	0	0	0	0	0	0
0.003703	0.004432	0	0	0	0	0	0
0.005322	0.004449	0	0	0	0	0	0
0.996403	0.997243	0	0	0	0	0	0
0.996172	0.997699	0	0	0	0	0	0
0.997926	0.994857	0	0	0	0	0	0
0.997085	0.985422	0	0	0	0	0	0
0.998617	0.99878	0	0	0	0	0	0
0.999335	0.997819	0	0	0	0	0	0
0.972914	0.990553	0	0	0	0	0	0
0.740369	0.938376	0.14	0	0	0	0	0
0.987634	0.961943	0.03	0	0	0	0	0
0.729815	0.513988	0.01	0	0	0	0	0
0.993674	0.981709	0	0	0	0	0	0
0.052306	0.064534	0	0	0	0	0	0
0.362024	0.365084	0	0	0	0	0	0
0.001247	0.003597	0	0	0	0	0	0
0.998124	0.997182	0	0	0	0	0	0
0.998518	0.998086	0	0	0	0	0	0
0.02857	0.005439	0	0	0	0	0	0
0.99563	0.992877	0	0	0	0	0	0
0.01127	0.017869	0	0	0	0	0	0
0.996576	0.991386	0	0	0	0	0	0
0.003681	0.011091	0	0	0	0	0	0
0.004498	0.004612	0	0	0	0	0	0
0.659767	0.163073	0.36	0	0	0	0	0
0.01264	0.00739	0	0	0	0	0	0
0.020411	0.011402	0	0	0	0	0	0
0.042023	0.15842	0.04	0	0	0	0	0
0.030186	0.00901	0	0	0	0	0	0

0.986967	0.992473	0	0	0	0	0	0
0.945223	0.944122	0	0	0	0	0	0
0.999331	0.998501	0	0	0	0	0	0
0.001368	0.001026	0	0	0	0	0	0
0.995394	0.986653	0	0	0	0	0	0
0.994003	0.984131	0.01	0	0	0	0	0
0.993269	0.983385	0	0	0	0	0	0
0.992927	0.986243	0	0	0	0	0	0
0.997	0.998901	0	0	0	0	0	0
0.997417	0.99877	0	0	0	0	0	0
0.979841	0.995374	0	0	0	0	0	0
0.991558	0.994518	0	0	0	0	0	0
0.983127	0.976229	0	0	0	0	0	0
0.997835	0.995969	0	0	0	0	0	0
0.005863	0.042092	0.01	0	0	0	0	0
0.009037	0.071156	0.02	0	0	0	0	0
0.019412	0.040873	0	0	0	0	0	0
0.996043	0.997926	0	0	0	0	0	0
0.013849	0.090904	0.05	0	0	0	0	0
0.087266	0.060512	0	0	0	0	0	0
0.030852	0.158446	0	0	0	0	0	0
0.984513	0.95787	0	0	0	0	0	0
0.038784	0.096255	0	0	0	0	0	0
0.988585	0.994396	0	0	0	0	0	0
0.013794	0.009688	0	0	0	0	0	0
0.971051	0.961457	0	0	0	0	0	0
0.968429	0.800473	0.04	0	0	0	0	0
0.997603	0.996177	0	0	0	0	0	0
0.040676	0.009832	0.03	0	0	0	0	0
0.996381	0.987993	0	0	0	0	0	0
0.998314	0.996769	0	0	0	0	0	0
0.002083	0.001631	0	0	0	0	0	0
0.99346	0.990408	0	0	0	0	0	0
0.997427	0.967187	0.01	0	0	0	0	0
0.94493	0.983859	0	0	0	0	0	0
0.96192	0.993317	0	0	0	0	0	0
0.969288	0.985446	0	0	0	0	0	0
0.960073	0.971907	0	0	0	0	0	0
0.008316	0.040058	0	0	0	0	0	0
0.996291	0.991301	0	0	0	0	0	0
0.976952	0.927468	0	0	0	0	0	0
0.974066	0.948362	0	0	0	0	0	0
0.979513	0.950968	0	0	0	0	0	0
0.073138	0.060665	0	0	0	0	0	0
0.883162	0.867878	0	0	0	0	0	0
0.992387	0.959133	0	0	0	0	0	0
0.96164	0.865523	0	0	0	0	0	0

0.598429	0.180151	0.15	0	0	0	0	0
0.99582	0.975686	0	0	0	0	0	0
0.996146	0.987213	0	0	0	0	0	0
0.996253	0.986359	0	0	0	0	0	0
0.993993	0.990468	0	0	0	0	0	0
0.996103	0.988627	0	0	0	0	0	0
0.997066	0.989807	0	0	0	0	0	0
0.967141	0.918033	0	0	0	0	0	0
0.988188	0.981086	0	0	0	0	0	0
0.996551	0.987679	0	0	0	0	0	0
0.008321	0.009518	0	0	0	0	0	0
0.995789	0.996325	0	0	0	0	0	0
0.996048	0.996455	0	0	0	0	0	0
0.047292	0.018105	0	0	0	0	0	0
0.014145	0.009005	0	0	0	0	0	0
0.990519	0.994137	0	0	0	0	0	0
0.992203	0.993737	0	0	0	0	0	0
0.993768	0.997324	0	0	0	0	0	0
0.981409	0.976861	0	0	0	0	0	0
0.91011	0.929417	0	0	0	0	0	0
0.996362	0.995484	0	0	0	0	0	0
0.995457	0.99447	0	0	0	0	0	0
0.012544	0.025755	0	0	0	0	0	0
0.845673	0.717286	0	0	0	0	0	0
0.946124	0.98921	0	0	0	0	0	0
0.021805	0.06107	0	0	0	0	0	0
0.950001	0.973348	0	0	0	0	0	0
0.145783	0.328229	0.03	0	0	0	0	0
0.78595	0.334411	0.31	0	0	0	0	0
0.791463	0.356512	0.32	0	0	0	0	0
0.803724	0.703773	0	0	0	0	0	0
0.091178	0.234836	0	0	0	0	0	0
0.069377	0.057337	0	0	0	0	0	0
0.994755	0.990373	0	0	0	0	0	0
0.988129	0.969955	0	0	0	0	0	0
0.019073	0.187985	0.03	0	0	0	0	0
0.020517	0.05727	0	0	0	0	0	0
0.961861	0.957761	0	0	0	0	0	0
0.581534	0.163234	0.19	0	0	0	0	0
0.98445	0.807697	0.04	0	0	0	0	0
0.981611	0.947946	0	0	0	0	0	0
0.984166	0.975946	0	0	0	0	0	0
0.988638	0.980002	0	0	0	0	0	0
0.988662	0.983058	0	0	0	0	0	0
0.976587	0.98442	0	0	0	0	0	0
0.99063	0.994311	0	0	0	0	0	0
0.992523	0.996578	0	0	0	0	0	0

0.99158	0.969727	0	0	0	0	0	0
0.031236	0.052834	0	0	0	0	0	0
0.992248	0.963846	0	0	0	0	0	0
0.994762	0.986679	0	0	0	0	0	0
0.993054	0.953361	0	0	0	0	0	0
0.991404	0.959317	0	0	0	0	0	0
0.006568	0.021662	0	0	0	0	0	0
0.027922	0.089843	0.02	0	0	0	0	0
0.997415	0.998581	0	0	0	0	0	0
0.990514	0.983405	0	0	0	0	0	0
0.994982	0.963542	0	0	0	0	0	0
0.998049	0.998871	0	0	0	0	0	0
0.987592	0.940468	0	0	0	4	0	0
0.017389	0.077151	0	0	0	0	0	0
0.960191	0.859238	0	0	0	0	0	0
0.997362	0.99203	0	0	0	0	0	0
0.992766	0.982644	0	0	0	0	0	0
0.906621	0.949204	0	0	0	0	0	0
0.965149	0.969977	0	0	0	0	0	0
0.911731	0.94842	0	0	0	0	0	0
0.960046	0.952017	0	0	0	0	0	0
0.972026	0.971073	0	0	0	0	0	0
0.952871	0.945813	0	0	0	0	0	0
0.971549	0.950503	0	0	0	0	0	0
0.880823	0.978146	0	0	0	0	0	0
0.967027	0.958215	0	0	0	0	0	0
0.972197	0.92511	0	0	0	0	0	0
0.966288	0.948109	0	0	0	0	0	0
0.993142	0.998972	0	0	0	0	0	0
0.921026	0.304616	0.5	0	0	0	0	0
0.994258	0.986749	0	0	0	0	0	0
0.02216	0.029065	0	0	0	0	0	0
0.782263	0.787314	0	0	0	0	0	0
0.259993	0.32861	0	0	0	0	0	0
0.997133	0.993186	0	0	0	0	0	0
0.189896	0.289572	0.01	0	0	0	0	0
0.994604	0.983534	0	0	0	0	0	0
0.933951	0.891401	0	0	0	0	0	0
0.157759	0.039255	0.03	0	0	0	0	0
0.94575	0.871375	0	0	0	0	0	0
0.025006	0.068265	0	0	0	0	0	0
0.997788	0.9615	0.01	0	0	0	0	0
0.985595	0.997784	0	0	0	0	0	0
0.986857	0.962344	0	0	0	0	0	0
0.986166	0.963836	0	0	0	0	0	0
0.991213	0.997303	0	0	0	0	0	0
0.99445	0.993932	0	0	0	0	0	0

0.990969	0.959258	0	0	0	0	0	0
0.989879	0.968579	0	0	0	0	0	0
0.993204	0.980402	0	0	0	0	0	0
0.993812	0.994203	0	0	0	0	0	0
0.98831	0.989457	0	0	0	0	0	0
0.973408	0.991082	0	0	0	0	0	0
0.987288	0.978224	0	0	0	0	0	0
0.989238	0.992676	0	0	0	0	0	0
0.984037	0.977676	0	0	0	0	0	0
0.99094	0.987036	0	0	0	0	0	0
0.990463	0.958936	0	0	0	0	0	0
0.997233	0.998386	0	0	0	0	0	0
0.998322	0.981375	0	0	0	0	0	0
0.998049	0.999152	0	0	0	0	0	0
0.994227	0.99346	0	0	0	0	0	0
0.993024	0.986824	0	0	0	0	0	0
0.990027	0.911481	0.08	0	0	0	0	0
0.007267	0.042164	0	0	0	0	0	0
0.994749	0.988263	0	0	0	0	0	0
0.014435	0.05189	0	0	0	0	0	0
0.994609	0.865721	0.01	0	0	0	0	0
0.995594	0.988202	0	0	0	0	0	0
0.995041	0.981165	0	0	0	0	0	0
0.995842	0.994684	0	0	0	0	0	0
0.990732	0.982832	0	0	0	0	0	0
0.992735	0.962156	0	0	0	0	0	0
0.990916	0.992	0	0	0	0	0	0
0.988064	0.989743	0	0	0	0	0	0
0.987603	0.986223	0	0	0	0	0	0
0.959001	0.930327	0	0	0	0	0	0
0.00462	0.012187	0	0	0	0	0	0
0.998166	0.995225	0	0	0	0	0	0
0.995785	0.961425	0	0	0	0	0	0
0.998691	0.975225	0	0	0	0	0	0
0.990176	0.993482	0	0	0	0	0	0
0.991789	0.990429	0	0	0	0	0	0
0.991443	0.990646	0	0	0	0	0	0
0.695629	0.417028	0	0	0	0	0	0
0.995944	0.993445	0	0	0	0	0	0
0.996151	0.985997	0	0	0	0	0	0
0.868888	0.866018	0	0	0	0	0	0
0.994964	0.9715	0	0	0	0	0	0
0.996301	0.802016	0.12	0	0	0	0	0
0.994925	0.988449	0	0	0	0	0	0
0.992324	0.991677	0	0	0	0	0	0
0.996384	0.978525	0	0	0	0	0	0
0.98897	0.979761	0	0	0	0	0	0

0.965907	0.881424	0	0	0	0	0	0
0.976293	0.976666	0	0	0	0	0	0
0.976633	0.973649	0	0	0	0	0	0
0.973177	0.974241	0	0	0	0	0	0
0.954117	0.950871	0	0	0	0	0	0
0.99457	0.990562	0	0	0	0	0	0
0.995987	0.997636	0	0	0	0	0	0
0.9882	0.978541	0	0	0	0	0	0
0.062737	0.048477	0	0	0	0	0	0
0.934475	0.956006	0	0	0	0	0	0
0.947358	0.946873	0	0	0	0	0	0
0.321232	0.431094	0	0	0	0	0	0
0.947897	0.902059	0	0	0	0	0	0
0.0638	0.056335	0	0	0	0	0	0
0.92752	0.948854	0	0	0	0	0	0
0.964305	0.93807	0	0	0	0	0	0
0.995493	0.993053	0	0	0	0	0	0
0.993536	0.98018	0	0	0	0	0	0
0.991372	0.990107	0	0	0	0	0	0
0.988256	0.988888	0	0	0	0	0	0
0.987567	0.989934	0	0	0	0	0	0
0.989727	0.988365	0	0	0	0	0	0
0.9891	0.991335	0	0	0	0	0	0
0.991836	0.992195	0	0	0	0	0	0
0.990966	0.992697	0	0	0	0	0	0
0.992916	0.994275	0	0	0	0	0	0
0.989933	0.990516	0	0	0	0	0	0
0.991383	0.991906	0	0	0	0	0	0
0.99302	0.992452	0	0	0	0	0	0
0.992895	0.991366	0	0	0	0	0	0
0.992322	0.992415	0	0	0	0	0	0
0.99179	0.991455	0	0	0	0	0	0
0.976578	0.993335	0	0	0	0	0	0
0.978575	0.991658	0	0	0	0	0	0
0.994289	0.994266	0	0	0	0	0	0
0.99377	0.992921	0	0	0	0	0	0
0.994944	0.994267	0	0	0	0	0	0
0.982628	0.98446	0	0	0	0	0	0
0.940662	0.987693	0	0	0	0	0	0
0.945213	0.943834	0	0	0	0	0	0
0.951434	0.974772	0	0	0	0	0	0
0.889888	0.563238	0.01	0	0	0	0	0
0.926408	0.945342	0	0	0	0	0	0
0.955772	0.939154	0	0	0	0	0	0
0.94901	0.950755	0	0	0	0	0	0
0.994756	0.991809	0	0	0	0	0	0
0.994808	0.995948	0	0	0	0	0	0

0.996734	0.994491	0	0	0	0	0	0
0.995433	0.990602	0	0	0	0	0	0
0.995756	0.996964	0	0	0	0	0	0
0.988572	0.990237	0	0	0	0	0	0
0.997942	0.998137	0	0	0	0	0	0
0.998545	0.999217	0	0	0	0	0	0
0.996699	0.997236	0	0	0	0	0	0
0.00374	0.001172	0	0	0	0	0	0
0.99739	0.997793	0	0	0	0	0	0
0.994864	0.98619	0	0	0	0	0	0
0.995021	0.996313	0	0	0	0	0	0
0.995643	0.951327	0.01	0	0	0	0	0
0.995534	0.996142	0	0	0	0	0	0
0.018847	0.024943	0	0	0	0	0	0
0.832523	0.879586	0	0	0	0	0	0
0.99497	0.99653	0	0	0	0	0	0
0.991208	0.991777	0	0	0	0	0	0
0.994079	0.994232	0	0	0	0	0	0
0.988997	0.982375	0	0	0	0	0	0
0.994068	0.991736	0	0	0	0	0	0
0.994636	0.99059	0	0	0	0	0	0
0.938523	0.862563	0	0	0	0	0	0
0.988598	0.987757	0	0	0	0	0	0
0.991671	0.984986	0	0	0	0	0	0
0.969967	0.963741	0	0	0	0	0	0
0.97339	0.972572	0	0	0	0	0	0
0.98076	0.960051	0	0	0	0	0	0
0.969397	0.930663	0	0	0	0	0	0
0.980769	0.970577	0	0	0	0	0	0
0.988888	0.982187	0	0	0	0	0	0
0.981663	0.97723	0	0	0	0	0	0
0.694674	0.718208	0	0	0	0	0	0
0.989573	0.985052	0	0	0	0	0	0
0.973221	0.977553	0	0	0	0	0	0
0.063776	0.03036	0	0	0	0	0	0
0.979236	0.973266	0	0	0	0	0	0
0.966631	0.947162	0	0	0	0	0	0
0.968142	0.970573	0	0	0	0	0	0
0.982851	0.978094	0	0	0	0	0	0
0.968232	0.983074	0	0	0	0	0	0
0.974611	0.937685	0	0	0	0	0	0
0.974657	0.979089	0	0	0	0	0	0
0.971147	0.963886	0	0	0	0	0	0
0.990074	0.975925	0	0	0	0	0	0
0.995135	0.992473	0	0	0	0	0	0
0.070828	0.048905	0	0	0	0	0	0
0.976797	0.956275	0	0	0	0	0	0

0.984825	0.994475	0	0	0	0	0	0
0.959678	0.936101	0	0	0	0	0	0
0.118401	0.531158	0.11	0	0	0	0	0
0.952487	0.951169	0	0	0	0	0	0
0.092011	0.723948	0.27	0	0	0	0	0
0.973673	0.976561	0	0	0	0	0	0
0.983406	0.968592	0	0	0	0	0	1
0.911576	0.93423	0	0	0	0	0	0
0.98564	0.968244	0	0	0	0	0	0
0.975251	0.959627	0	0	0	0	0	0
0.021176	0.05798	0	0	0	0	0	0
0.982969	0.9592	0	0	0	0	0	0
0.994487	0.994672	0	0	0	0	0	0
0.010028	0.050707	0.02	0	0	0	0	0
0.022835	0.015471	0	0	0	0	0	0
0.991877	0.994064	0	0	0	0	0	0
0.010406	0.016617	0	0	0	0	0	0
0.982406	0.99096	0	0	0	0	0	0
0.965378	0.969694	0	0	0	0	2	2
0.919992	0.765554	0.01	0	0	0	0	0
0.879922	0.730725	0	0	0	0	0	0
0.997952	0.999392	0	0	0	0	0	0
0.997818	0.998985	0	0	0	0	0	0
0.995451	0.982445	0	0	0	0	0	0
0.99688	0.965974	0.01	0	0	0	0	0
0.910148	0.785832	0.03	0	0	0	0	0
0.046506	0.051367	0	0	0	0	0	0
0.033694	0.018314	0	0	0	0	0	0
0.988217	0.982446	0	0	0	0	0	0
0.012851	0.020427	0	0	0	0	0	0
0.982327	0.951667	0	0	0	0	0	0
0.030721	0.054875	0	0	0	0	0	0
0.969974	0.965774	0	0	0	0	0	0
0.985446	0.996991	0	0	0	0	0	0
0.999677	0.979021	0.01	0	0	0	1	0
0.439057	0.762702	0.23	0	0	0	0	0
0.998361	0.896248	0.06	0	0	0	0	0
0.992696	0.868585	0.07	0	0	0	1	0
0.987454	0.995999	0	0	0	0	0	0
0.985727	0.987685	0	0	0	0	0	0
0.986835	0.980111	0	0	0	0	0	0
0.98317	0.980752	0	0	0	0	0	0
0.988737	0.991167	0	0	0	0	0	0
0.008721	0.125503	0.06	0	0	0	0	0
0.007387	0.004256	0	0	0	0	0	0
0.998928	0.999483	0	0	0	0	0	0
0.997875	0.999281	0	0	0	0	0	0

0.99876	0.997084	0	0	0	0	0	0
0.996543	0.991095	0	0	0	0	0	0
0.997781	0.999254	0	0	0	0	0	0
0.994836	0.990776	0	0	0	0	0	0
0.994933	0.99598	0	0	0	0	0	0
0.994341	0.990804	0	0	0	0	0	0
0.994833	0.995505	0	0	0	0	0	0
0.994359	0.99353	0	0	0	0	0	0
0.994031	0.991189	0	0	0	0	0	0
0.995339	0.992177	0	0	0	0	0	0
0.993716	0.990369	0	0	0	0	0	0
0.99145	0.970224	0	0	0	0	0	0
0.993233	0.988506	0	0	0	0	0	0
0.994605	0.991604	0	0	0	0	0	0
0.01614	0.025797	0	0	0	0	0	0
0.993338	0.996295	0	0	0	0	0	0
0.004434	0.002252	0	0	0	0	0	0
0.992101	0.997129	0	0	0	0	0	0
0.99751	0.986461	0	0	0	0	0	0
0.998104	0.988818	0	0	0	0	0	0
0.00444	0.002658	0	0	0	0	0	0
0.002137	0.003104	0	0	0	0	0	0
0.002434	0.001233	0	0	0	0	0	0
0.995537	0.992818	0	0	0	0	0	0
0.961128	0.97368	0	0	0	0	0	0
0.998907	0.995701	0	0	0	0	0	1
0.926328	0.960337	0.01	0	0	0	0	0
0.9985	0.957152	0.01	1	0	0	0	0
0.901344	0.872165	0.03	0	0	0	0	0
0.977791	0.957473	0	0	0	0	0	0
0.994595	0.997449	0	0	0	0	0	0
0.021906	0.01797	0	0	0	0	0	0
0.828694	0.947403	0	0	0	0	0	0
0.013794	0.016219	0	0	0	0	0	0
0.936806	0.952817	0	0	0	0	0	0
0.986004	0.98964	0	0	0	0	0	0
0.957203	0.961141	0	0	0	0	0	0
0.997854	0.972915	0	0	0	0	0	0
0.984428	0.989826	0	0	0	0	0	0
0.996524	0.993847	0	0	0	0	0	0
0.035903	0.053304	0	0	0	0	0	0
0.998913	0.962554	0.01	0	0	0	0	0
0.99869	0.885188	0.09	0	0	0	0	0
0.973341	0.961809	0	0	0	0	0	0
0.997802	0.988052	0	0	0	0	0	0
0.961731	0.979928	0	0	0	0	0	0
0.00698	0.005665	0	0	0	0	0	0

0.998481	0.998474	0	0	2	0	0	0
0.998825	0.998733	0	0	0	0	0	0
0.993051	0.995858	0	0	0	0	0	0
0.999118	0.993689	0	0	0	0	0	0
0.998725	0.998112	0	0	0	0	0	0
0.99315	0.983924	0	0	0	0	0	0
0.996589	0.988694	0	0	0	0	0	0
0.998781	0.99652	0	0	0	0	0	0
0.997483	0.996964	0	0	0	0	0	0
0.999023	0.998088	0	0	0	0	0	0
0.999756	0.999597	0	0	0	0	0	0
0.999849	0.996156	0	0	0	0	0	0
0.986577	0.976345	0	0	0	0	0	0
0.996062	0.83581	0.02	0	0	0	0	0
0.998715	0.984081	0	0	0	0	0	0
0.993216	0.9563	0	0	0	0	0	0
0.994642	0.973582	0	0	0	0	0	0
0.966304	0.997943	0	0	0	0	0	0
0.993912	0.953012	0.01	0	0	0	0	0
0.993838	0.979121	0	0	0	0	0	0
0.99235	0.995246	0	0	0	0	0	0
0.975046	0.953085	0	0	0	0	0	0
0.982017	0.975454	0	0	0	0	0	0
0.984705	0.964804	0	0	0	0	0	0
0.980436	0.967331	0	0	0	0	0	0
0.986894	0.764544	0.17	0	2	13	0	0
0.058045	0.128606	0.02	0	0	0	0	0
0.998484	0.953753	0.02	0	0	0	0	0
0.961668	0.980842	0	0	0	0	0	0
0.978477	0.988018	0	0	0	0	0	0
0.987239	0.970865	0	0	0	0	0	0
0.970163	0.970762	0	0	0	0	0	0
0.988133	0.982054	0	0	0	0	0	0
0.945843	0.955094	0	0	0	0	0	0
0.980303	0.979327	0	0	0	0	0	0
0.039525	0.048569	0	0	0	0	0	0
0.058089	0.064993	0	0	0	0	0	0
0.981659	0.9723	0	0	0	0	0	0
0.977329	0.968717	0	0	0	0	0	0
0.97778	0.962791	0	0	0	0	3	3
0.908772	0.847478	0	0	0	0	0	0
0.988505	0.985694	0	0	0	0	0	0
0.992013	0.977314	0	0	0	0	0	0
0.011592	0.022938	0.01	0	0	0	0	0
0.993137	0.994324	0	0	0	0	0	0
0.884739	0.680189	0.01	0	0	0	0	0
0.985333	0.989254	0	0	0	0	0	0

0.00835	0.016273	0	0	0	0	0	0
0.997589	0.997726	0	0	0	0	0	0
0.008544	0.004583	0	0	0	0	0	0
0.985852	0.984595	0	0	0	0	0	0
0.984714	0.983611	0	0	0	0	0	0
0.018939	0.012536	0	0	0	0	0	0
0.035507	0.006377	0	0	0	0	0	0
0.980593	0.97954	0	0	0	0	0	0
0.981448	0.979626	0	0	0	0	0	0
0.997966	0.995697	0	0	0	1	0	0
0.987707	0.99297	0	0	0	0	0	0
0.970132	0.984312	0	0	0	0	0	0
0.954051	0.973994	0	0	0	0	0	0
0.237969	0.084285	0	0	0	0	0	0
0.997644	0.960137	0.02	0	0	0	0	0
0.961885	0.970547	0	0	0	0	0	0
0.997544	0.986692	0	0	0	0	0	0
0.98122	0.992852	0	0	0	0	0	0
0.948033	0.947486	0	0	0	0	0	0
0.996536	0.979489	0	0	0	0	0	0
0.996178	0.994387	0	0	0	0	0	0
0.996304	0.992713	0	0	0	0	0	0
0.991865	0.969349	0	0	0	0	0	0
0.987281	0.983923	0	0	0	0	0	0
0.99332	0.956274	0	0	0	0	0	0
0.983882	0.947476	0	0	0	0	0	0
0.951545	0.659077	0.08	0	0	0	0	0
0.527625	0.408239	0	0	0	0	0	0
0.951417	0.968373	0	0	0	0	0	0
0.060862	0.217525	0	0	0	0	0	0
0.997148	0.99035	0	0	0	0	0	0
0.683646	0.715117	0	0	0	0	0	0
0.01031	0.005194	0	0	0	0	0	0
0.983711	0.99255	0	0	0	0	0	0
0.962442	0.983583	0	0	0	0	0	0
0.962096	0.977445	0	0	0	0	0	0
0.961829	0.972774	0	0	0	0	0	0
0.920351	0.927587	0	0	0	0	0	0
0.988063	0.978241	0	0	0	0	0	0
0.025697	0.047134	0	0	0	0	0	0
0.942647	0.94553	0	0	0	0	0	0
0.961814	0.966381	0	0	0	0	0	0
0.596405	0.712405	0	0	0	0	0	0
0.033732	0.088043	0	0	0	0	0	0
0.004496	0.018304	0	0	0	0	0	0
0.978826	0.861891	0.06	0	0	0	0	0
0.994963	0.987086	0	0	0	0	0	0

0.993705	0.98953	0	0	0	0	0	0
0.994555	0.998271	0	0	0	0	0	0
0.996907	0.996538	0	0	0	0	0	0
0.99216	0.958266	0	0	0	0	0	0
0.96465	0.96891	0	0	0	0	0	0
0.008922	0.015627	0	0	0	0	0	0
0.008038	0.009108	0	0	0	0	0	0
0.993634	0.994216	0	0	0	0	0	0
0.008407	0.009285	0	0	0	0	0	0
0.97945	0.942192	0	0	0	0	0	0
0.985545	0.988657	0	0	0	0	0	0
0.989707	0.990891	0	0	0	0	0	0
0.991949	0.99382	0	0	0	0	0	0
0.989023	0.957298	0	0	0	0	0	0
0.969727	0.955081	0	0	0	0	0	0
0.021893	0.013045	0	0	0	0	0	0
0.993795	0.992111	0	0	0	0	0	0
0.994712	0.961874	0	0	0	0	0	0
0.995334	0.868883	0.06	0	0	0	1	0
0.019377	0.010104	0	0	1	1	5	5
0.075349	0.2583	0.02	0	0	0	0	0
0.024892	0.043838	0	0	0	0	0	0
0.990219	0.994711	0	0	0	7	6	6
0.989427	0.995508	0	0	0	0	0	0
0.097954	0.19032	0	0	3	3	0	0
0.110079	0.13612	0	0	3	3	0	0
0.990301	0.992067	0	0	3	0	0	0
0.990253	0.996158	0	0	0	0	0	0
0.023198	0.056334	0	0	0	0	0	0
0.996361	0.989921	0	0	0	0	0	0
0.995328	0.984594	0	0	0	0	0	0
0.995593	0.985095	0	0	0	0	0	0
0.993736	0.975553	0	0	0	0	0	0
0.989674	0.991484	0	0	0	0	0	0
0.947069	0.976581	0	0	0	0	0	0
0.952293	0.929846	0	0	0	0	0	0
0.934333	0.939735	0	0	0	0	0	0
0.986303	0.970919	0	0	0	0	0	0
0.932002	0.954371	0	0	0	0	0	0
0.984251	0.985836	0	0	0	0	0	0
0.986092	0.978895	0	0	0	0	0	0
0.706164	0.631956	0	0	0	0	0	0
0.980398	0.838404	0	0	0	0	0	0
0.934709	0.90348	0	0	0	0	0	0
0.982911	0.950815	0	0	0	0	0	0
0.991009	0.893818	0.02	0	0	0	0	0
0.987372	0.972778	0	0	0	0	0	0

0.002987	0.001302	0	0	0	0	0	0
0.999584	0.99913	0	0	0	0	0	0
0.999849	0.998093	0	0	0	0	0	0
0.002374	0.001364	0	0	0	0	0	0
0.9971	0.997396	0	0	0	0	0	0
0.948052	0.694409	0.15	0	0	0	0	0
0.993308	0.992748	0	0	0	0	0	0
0.97904	0.9957	0	0	0	0	0	0
0.925347	0.913395	0	0	0	0	0	0
0.016663	0.032482	0	0	0	0	0	0
0.021111	0.182555	0	0	0	0	0	0
0.974327	0.975353	0	0	0	0	0	0
0.933497	0.945951	0	0	0	0	0	0
0.883421	0.750718	0	0	0	0	0	0
0.992523	0.953282	0	0	0	0	0	0
0.989544	0.883444	0	0	0	0	0	0
0.993318	0.939743	0	0	0	0	0	0
0.975402	0.941713	0	0	0	0	0	0
0.969216	0.965221	0	0	0	0	0	0
0.979669	0.980821	0	0	0	0	0	0
0.03354	0.015804	0	0	0	0	0	0
0.989298	0.989544	0	0	0	0	0	0
0.935352	0.846374	0	0	0	0	0	0
0.965029	0.955562	0	0	0	0	0	0
0.040819	0.038838	0	0	0	0	0	0
0.943468	0.712184	0	0	0	0	0	0
0.986668	0.983033	0	0	0	0	0	0
0.978601	0.916857	0.01	0	0	0	0	0
0.997729	0.996165	0	0	0	0	0	0
0.993899	0.995902	0	0	0	0	0	0
0.993737	0.991696	0	0	0	0	0	0
0.995069	0.99716	0	0	0	0	0	0
0.994625	0.990294	0	0	0	0	0	0
0.253448	0.649111	0.18	0	0	0	0	0
0.125363	0.110507	0	0	0	0	0	0
0.941752	0.92121	0	0	0	0	0	0
0.050775	0.048432	0	0	0	0	0	0
0.040432	0.039241	0	0	0	0	0	0
0.128899	0.057161	0	0	0	0	0	0
0.673244	0.788847	0	0	0	0	0	0
0.730402	0.762759	0	0	0	0	0	0
0.143181	0.119004	0	0	0	0	0	0
0.085924	0.19242	0	0	0	0	0	0
0.952238	0.98801	0	0	0	0	0	0
0.996656	0.917866	0.03	0	0	0	0	0
0.96633	0.973314	0	0	0	0	0	0
0.992258	0.931798	0.02	0	0	0	0	0

0.996069	0.996068	0	0	0	0	0	0
0.993742	0.989039	0	0	0	0	0	0
0.275648	0.307662	0	0	0	0	0	0
0.865351	0.976399	0.02	0	0	0	0	0
0.892386	0.979124	0.01	0	0	0	0	0
0.996724	0.973511	0	0	0	0	0	0
0.987987	0.944478	0	0	0	0	0	0
0.999939	0.999877	0	0	0	0	0	0
0.999946	0.999848	0	0	0	0	0	0
0.999898	0.999884	0	0	0	1	15	0
0.999893	0.999664	0	0	0	0	0	0
0.994252	0.993165	0	0	0	0	0	0
0.993328	0.984265	0	0	0	0	0	0
0.996787	0.986999	0	0	0	0	0	0
0.974529	0.93901	0	0	0	0	0	0
0.896855	0.915667	0	0	0	0	0	0
0.965555	0.972853	0	0	0	0	0	0
0.893603	0.820428	0	0	0	0	0	0
0.009784	0.008073	0	0	0	0	0	0
0.978911	0.928075	0	0	0	0	0	0
0.978889	0.929774	0	0	0	0	0	0
0.984477	0.888027	0.03	0	0	0	0	0
0.971407	0.962337	0	0	0	0	0	0
0.968594	0.948642	0	0	0	0	0	0
0.973847	0.958045	0	0	0	0	0	0
0.977843	0.962577	0	0	0	0	0	0
0.978535	0.912322	0	0	0	0	0	0
0.980104	0.962151	0	0	0	0	0	0
0.966149	0.812682	0	0	0	0	0	0
0.966862	0.953895	0	0	0	0	0	0
0.970859	0.943508	0	0	0	0	0	0
0.9915	0.950906	0	0	0	0	0	0
0.021131	0.049908	0	0	0	0	0	0
0.019021	0.049323	0	0	0	0	0	0
0.010522	0.050017	0	0	0	0	0	0
0.994552	0.969222	0	0	0	0	0	0
0.997548	0.993619	0	0	0	0	0	0
0.98437	0.9925	0	0	0	0	0	0
0.981735	0.975823	0	0	0	0	0	0
0.979474	0.970219	0	0	0	0	0	0
0.956203	0.828025	0	0	0	0	0	0
0.948683	0.819329	0	0	0	0	0	0
0.932239	0.801788	0	0	0	0	0	0
0.942992	0.79314	0	0	0	0	0	0
0.985314	0.946701	0	0	0	0	0	0
0.982251	0.979848	0	0	0	0	0	0
0.985645	0.989022	0	0	0	0	0	0

0.938397	0.879999	0	0	0	0	0	0
0.917941	0.841957	0	0	0	0	0	0
0.914833	0.82163	0	0	0	0	0	0
0.703245	0.778187	0	0	0	0	0	0
0.967836	0.773069	0.07	0	0	0	0	0
0.992193	0.848281	0.05	0	0	0	0	0
0.104621	0.097379	0	0	0	0	0	0
0.979662	0.937578	0	0	0	0	0	0
0.987668	0.940831	0	0	0	0	0	0
0.044102	0.134671	0	0	0	0	0	0
0.98617	0.991417	0	0	0	0	0	0
0.044879	0.029758	0	0	0	0	0	0
0.994707	0.975348	0	0	0	0	0	0
0.015009	0.020404	0	0	0	0	0	0
0.954201	0.966437	0	0	0	0	0	0
0.935015	0.959404	0	0	0	0	0	0
0.990045	0.993182	0	0	0	0	0	0
0.993511	0.970444	0	0	0	0	0	0
0.994336	0.987248	0	0	0	0	0	0
0.888181	0.982783	0.01	0	0	0	0	0
0.993973	0.990605	0	0	0	0	0	0
0.996366	0.995685	0	0	0	0	0	0
0.047513	0.049065	0	0	0	0	0	0
0.98286	0.973936	0	0	0	0	0	0
0.047642	0.049227	0	0	0	0	0	0
0.982079	0.9827	0	0	0	0	0	0
0.988628	0.983226	0	0	0	0	0	0
0.994046	0.970517	0	0	0	0	0	0
0.960086	0.917134	0	0	0	0	0	0
0.97194	0.964833	0	0	0	0	0	0
0.985392	0.985492	0	0	0	0	0	0
0.049153	0.039458	0	0	0	0	0	0
0.99256	0.996264	0	0	0	0	0	0
0.977047	0.975387	0	0	0	0	0	0
0.945255	0.981657	0	0	0	0	0	0
0.904388	0.925586	0	0	0	0	0	0
0.912527	0.971151	0	0	0	0	0	0
0.912963	0.969439	0	0	0	0	0	0
0.991863	0.968073	0	0	0	0	0	0
0.986262	0.972866	0	0	0	0	0	0
0.990824	0.994195	0	0	0	0	0	0
0.868104	0.863249	0	0	0	0	0	0
0.975361	0.906503	0	0	0	0	0	0
0.929193	0.951879	0	0	0	0	0	0
0.934962	0.958749	0	0	0	0	0	0
0.754031	0.912279	0	0	0	0	0	0
0.952233	0.983146	0	0	0	0	0	0

0.106945	0.127667	0	0	0	0	0	0
0.001701	0.00587	0	0	0	0	0	0
0.903203	0.827014	0.02	0	0	0	6	6
0.568185	0.078955	0.43	0	0	0	6	0
0.995705	0.993786	0	0	0	0	0	0
0.993618	0.993012	0	0	0	0	0	0
0.992769	0.993355	0	0	0	0	0	0
0.994982	0.994149	0	0	0	0	0	0
0.995816	0.982541	0	0	0	0	0	0
0.996117	0.996015	0	0	0	0	0	0
0.984803	0.976397	0	0	0	0	0	0
0.997573	0.99629	0	0	0	0	0	0
0.98835	0.992058	0	0	0	0	0	0
0.988263	0.994839	0	0	0	0	0	0
0.995577	0.996584	0	0	0	0	0	0
0.994791	0.995538	0	0	0	0	0	0
0.995211	0.983529	0	0	0	0	6	0
0.980151	0.985575	0	0	0	15	0	0
0.037631	0.084837	0	0	0	0	0	0
0.990567	0.993286	0	0	0	0	0	0
0.993783	0.993202	0	0	0	0	0	0
0.987445	0.996694	0	0	0	0	0	0
0.756953	0.865979	0	0	0	0	0	0
0.935341	0.831057	0	0	0	0	0	0
0.861778	0.809376	0	0	0	0	0	0
0.95139	0.844153	0	0	0	0	0	0
0.945284	0.950356	0	0	0	0	0	0
0.951765	0.963861	0	0	0	0	0	0
0.98721	0.99099	0	0	0	0	0	0
0.991407	0.986561	0	0	0	0	0	0
0.986387	0.987717	0	0	0	0	0	0
0.991679	0.993063	0	0	0	0	0	0
0.975586	0.974543	0	0	0	0	0	0
0.084001	0.16878	0	0	0	0	0	0
0.999311	0.991096	0	0	0	0	0	0
0.185956	0.208548	0	0	0	0	0	0
0.137661	0.117237	0	0	0	0	0	0
0.993583	0.948257	0.01	0	0	0	0	0
0.012802	0.009624	0	0	0	0	0	0
0.041682	0.125606	0.01	0	0	0	0	0
0.04011	0.055384	0	0	0	0	0	0
0.948169	0.954806	0	0	0	0	0	0
0.943146	0.892872	0	0	0	0	0	0
0.904585	0.821065	0	0	0	0	0	0
0.758422	0.963354	0	0	0	0	0	0
0.965951	0.967105	0	0	0	0	0	0
0.074854	0.267652	0	0	0	0	0	0

0.962464	0.949359	0	0	0	0	0	0
0.863693	0.953809	0	0	0	0	0	0
0.008635	0.008801	0	0	0	0	0	0
0.979645	0.702958	0.19	0	0	0	6	6
0.983351	0.736642	0.17	1	0	0	0	0
0.039424	0.036079	0	0	0	0	0	0
0.975962	0.989158	0	0	0	0	0	0
0.537157	0.306125	0.03	0	0	0	0	0
0.92718	0.918085	0	0	0	0	0	0
0.979219	0.98884	0	0	0	0	0	0
0.980749	0.991555	0	0	0	0	0	0
0.975189	0.986183	0	0	0	0	0	0
0.986842	0.995371	0	0	0	0	0	0
0.990467	0.994566	0	0	0	0	0	0
0.446644	0.576724	0	0	0	0	0	0
0.996559	0.99533	0	0	0	0	0	0
0.991593	0.994404	0	0	0	0	0	0
0.988531	0.995752	0	0	0	0	0	0
0.995859	0.989787	0	0	0	0	0	0
0.974443	0.995775	0	0	0	0	0	0
0.836321	0.99181	0.08	0	0	0	0	0
0.806843	0.990637	0.08	0	0	0	0	0
0.968038	0.930294	0	0	0	0	0	0
0.862846	0.901416	0	0	0	0	0	0
0.916736	0.869913	0	0	0	0	0	0
0.909547	0.931447	0	0	0	0	0	0
0.653774	0.527386	0	0	0	0	0	0
0.90592	0.911279	0	0	0	0	0	0
0.944103	0.875289	0	0	0	0	0	0
0.935811	0.962478	0	0	0	0	0	0
0.952852	0.967616	0	0	0	0	0	0
0.950286	0.942929	0	0	0	0	0	0
0.997492	0.997122	0	0	0	0	0	0
0.018933	0.014049	0	0	0	0	0	0
0.996273	0.979115	0	0	0	0	0	0
0.993118	0.991829	0	0	0	0	0	0
0.011673	0.009475	0	0	0	0	0	0
0.994128	0.976611	0	0	0	0	0	0
0.951571	0.96947	0	0	0	0	0	0
0.990541	0.982428	0	0	0	0	0	0
0.992541	0.961708	0	0	0	0	0	0
0.99251	0.964668	0	0	0	0	0	0
0.994627	0.996748	0	0	0	0	0	0
0.995498	0.997047	0	0	0	0	0	0
0.991578	0.990835	0	0	0	0	0	0
0.061943	0.143882	0	0	0	0	0	0
0.047109	0.110286	0	0	0	0	0	0

0.990692	0.998959	0	0	0	0	0	0
0.978681	0.984603	0	0	0	0	0	0
0.98426	0.989225	0	0	0	0	0	0
0.959729	0.953523	0	0	0	0	0	0
0.981112	0.967615	0	0	0	0	0	0
0.98255	0.865309	0.03	0	0	0	0	0
0.998712	0.997398	0	0	0	0	0	0
0.996828	0.992331	0	0	0	0	0	0
0.005843	0.017652	0	0	0	0	0	0
0.987025	0.930722	0	0	0	0	0	0
0.139616	0.465746	0.21	0	0	0	0	0
0.827956	0.59537	0.13	0	0	0	0	0
0.980162	0.979635	0	0	0	0	0	0
0.08211	0.294432	0.13	0	0	0	0	0
0.010741	0.016023	0	0	0	0	0	0
0.764992	0.834886	0.02	0	0	0	0	0
0.995212	0.996503	0	0	0	0	0	0
0.995054	0.982954	0	0	0	0	0	0
0.976792	0.977408	0	0	0	0	0	0
0.024279	0.055039	0	0	0	0	0	0
0.837747	0.769628	0	0	0	0	0	0
0.015075	0.014128	0	0	0	0	0	0
0.016826	0.01388	0	0	0	0	0	0
0.02982	0.045795	0	0	0	0	0	0
0.797934	0.822164	0	0	0	0	0	0
0.958572	0.936386	0	0	0	0	0	0
0.995597	0.982397	0	0	0	0	0	0
0.996363	0.992013	0	0	0	0	0	0
0.990202	0.992331	0	0	0	0	0	0
0.088415	0.012381	0	0	0	0	0	0
0.926269	0.92018	0	0	0	0	0	0
0.98553	0.995877	0	0	0	0	0	0
0.950032	0.81629	0.01	0	0	0	0	0
0.991123	0.994765	0	0	0	0	0	0
0.99906	0.997643	0	0	0	0	0	0
0.884126	0.95212	0	0	0	0	0	0
0.040514	0.024475	0	0	0	0	0	0
0.95577	0.825068	0	0	0	0	0	0
0.932942	0.96821	0	0	0	0	0	0
0.040828	0.014494	0	0	0	0	5	0
0.983583	0.995544	0	0	0	0	0	0
0.794065	0.556882	0	0	0	0	0	0
0.997014	0.986481	0.01	0	0	0	0	0
0.005949	0.0453	0	0	0	0	0	0
0.99856	0.997336	0	0	0	0	0	0
0.001638	0.021851	0.02	0	0	0	0	0
0.9991	0.997261	0	0	0	0	0	0

0.965224	0.961093	0	0	0	0	0	0
0.988997	0.950118	0	0	0	0	0	0
0.995945	0.981355	0	0	0	0	0	0
0.993447	0.965476	0	0	0	0	0	0
0.018517	0.057586	0	0	0	0	0	0
0.993999	0.96041	0	0	0	0	0	0
0.014562	0.237152	0.06	0	0	0	0	0
0.982192	0.959038	0	0	0	0	0	0
0.996904	0.957608	0.01	0	0	0	0	0
0.015326	0.041399	0	0	0	0	0	0
0.990721	0.992859	0	0	0	0	0	0
0.989844	0.993602	0	0	0	0	0	0
0.989534	0.989108	0	0	0	0	0	0
0.317855	0.246195	0	0	0	0	0	0
0.942912	0.902664	0	0	0	0	0	0
0.99548	0.994023	0	0	0	0	0	0
0.993599	0.98805	0	0	0	0	0	0
0.997643	0.997309	0	0	0	0	0	0
0.201992	0.144592	0	0	0	0	0	0
0.008736	0.014328	0	0	0	0	0	0
0.711406	0.854145	0.03	0	0	0	0	0
0.997674	0.993359	0	0	0	0	0	0
0.38236	0.442917	0	0	0	0	0	0
0.026224	0.057001	0	0	0	0	0	0
0.083894	0.056115	0	0	0	0	0	0
0.971966	0.703369	0.02	0	0	0	0	0
0.986667	0.96472	0	0	0	0	0	0
0.039439	0.092784	0	0	0	0	0	0
0.986632	0.922829	0	0	0	0	0	0
0.984281	0.956956	0	0	0	0	0	0
0.944928	0.862745	0	0	0	0	0	0
0.994775	0.993276	0	0	0	0	0	0
0.948079	0.943177	0	0	0	0	0	0
0.978309	0.978913	0	0	0	0	0	0
0.064597	0.060195	0	0	0	0	0	0
0.980672	0.978269	0	0	0	0	0	0
0.986735	0.970659	0	0	0	0	0	0
0.991088	0.994444	0	0	0	0	0	0
0.870564	0.739903	0	0	0	0	0	0
0.992012	0.985642	0	0	0	0	6	10
0.994844	0.995723	0	0	0	0	0	0
0.03641	0.057697	0	0	0	0	0	0
0.993502	0.997418	0	0	0	0	0	0
0.968403	0.979003	0	0	0	0	0	0
0.974688	0.983574	0	0	0	0	0	0
0.99631	0.997888	0	0	0	0	0	0
0.997077	0.997424	0	0	0	0	0	0

0.019313	0.053086	0	0	0	0	0	0
0.934826	0.976937	0	0	0	0	0	0
0.992101	0.98878	0	0	0	0	0	0
0.028785	0.048439	0	0	0	0	0	0
0.96705	0.991479	0	0	0	0	0	0
0.007706	0.012363	0	0	0	0	0	0
0.950071	0.986251	0	0	0	0	0	0
0.048837	0.035891	0	0	0	0	0	0
0.990705	0.978554	0	0	0	0	0	0
0.984841	0.842819	0	0	0	0	0	0
0.993157	0.968557	0	0	0	0	0	0
0.984196	0.967915	0	0	0	0	0	0
0.997067	0.99912	0	0	0	0	0	0
0.996505	0.998804	0	0	0	0	0	0
0.99694	0.998455	0	0	0	0	0	0
0.997558	0.956327	0.02	0	0	0	0	0
0.988308	0.899987	0.02	0	0	0	0	0
0.926634	0.685672	0.12	0	0	0	0	0
0.031499	0.078485	0	0	0	0	0	0
0.987181	0.977537	0	0	0	0	0	0
0.866194	0.923538	0	0	0	0	0	0
0.985553	0.980571	0	0	0	0	0	0
0.947619	0.947665	0	0	0	0	0	0
0.985404	0.994103	0	0	0	0	0	0
0.904042	0.960833	0	0	0	0	0	0
0.998027	0.993111	0	0	0	0	0	0
0.999304	0.999482	0	0	0	0	0	0
0.066893	0.132486	0	0	0	0	0	0
0.003728	0.006948	0	0	0	0	0	0
0.998261	0.99833	0	0	0	0	0	0
0.990457	0.954235	0	0	0	0	0	0
0.994646	0.989914	0	0	0	0	0	0
0.997661	0.997957	0	0	0	0	0	0
0.989801	0.993953	0	0	0	0	0	0
0.994824	0.993505	0	0	0	0	0	0
0.996688	0.995617	0	0	0	0	0	0
0.03668	0.027299	0	0	0	0	0	0
0.994555	0.99599	0	0	0	0	0	0
0.997838	0.997995	0	0	0	0	0	0
0.99714	0.996415	0	0	0	0	0	0
0.996492	0.939269	0.03	0	0	0	0	0
0.005448	0.016694	0	0	0	0	0	0
0.999036	0.995691	0	0	0	0	0	0
0.007484	0.031964	0	0	0	0	0	0
0.998365	0.996342	0	0	0	0	0	0
0.998847	0.981972	0	0	0	0	0	0
0.976625	0.988875	0	0	0	0	5	5

0.994746	0.852226	0.08	5	0	0	0	0
0.996106	0.881762	0.05	0	0	0	0	0
0.98631	0.99728	0	0	0	0	0	0
0.991565	0.997995	0	0	0	0	0	0
0.994393	0.99485	0	0	0	0	0	0
0.013908	0.021758	0	0	0	0	0	0
0.993045	0.997306	0	0	0	0	0	0
0.993022	0.997863	0	0	0	0	0	0
0.973661	0.987991	0	0	0	0	0	0
0.992866	0.982386	0	0	0	0	0	0
0.964786	0.863235	0	0	0	0	0	0
0.992506	0.991616	0	0	0	0	0	0
0.989376	0.944052	0	0	0	0	0	0
0.993269	0.967442	0	0	0	0	0	0
0.992128	0.970304	0	0	0	0	0	0
0.992677	0.933091	0	0	0	0	0	0
0.992932	0.954423	0	0	0	0	0	0
0.989021	0.77663	0.03	0	0	0	0	0
0.984684	0.891352	0	0	0	0	0	0
0.990306	0.985002	0	0	0	0	0	0
0.989913	0.978149	0	0	0	0	0	0
0.903881	0.909434	0	0	0	0	0	0
0.990671	0.989792	0	0	0	0	0	0
0.986818	0.854681	0	0	0	0	0	0
0.95582	0.794522	0.01	0	0	0	0	0
0.998822	0.995036	0	0	0	0	0	0
0.549215	0.671609	0.04	0	0	0	0	0
0.990632	0.992099	0	0	0	0	0	0
0.987158	0.979592	0	0	0	0	0	0
0.995637	0.993326	0	0	0	0	0	0
0.997183	0.997408	0	0	0	0	0	0
0.995998	0.996817	0	0	0	0	0	0
0.998863	0.997773	0	0	0	0	0	0
0.993199	0.991779	0	0	0	0	0	0
0.026782	0.026117	0	0	0	0	4	0
0.019666	0.032262	0	0	0	0	0	0
0.033651	0.036166	0	0	0	0	0	0
0.038716	0.04586	0	0	0	0	0	0
0.036725	0.04927	0	0	0	0	0	0
0.027366	0.036356	0	0	0	0	0	0
0.029416	0.042385	0	0	0	0	0	0
0.018497	0.028778	0	0	0	0	0	0
0.790317	0.944143	0	0	0	0	0	0
0.982007	0.948636	0	0	0	0	0	0
0.898226	0.882521	0	0	0	0	0	0
0.998751	0.999418	0	0	0	0	1	1
0.540134	0.428648	0	0	0	0	0	0

0.007597	0.018815	0	0	0	0	0	0
0.008868	0.061522	0	0	0	0	0	0
0.992829	0.994319	0	0	0	0	0	0
0.995354	0.994394	0	0	0	0	0	0
0.992327	0.993698	0	0	0	0	0	0
0.993694	0.994369	0	0	0	0	0	0
0.976805	0.97773	0	0	0	0	0	0
0.972604	0.979641	0	0	0	0	0	0
0.0398	0.03388	0	0	0	0	0	0
0.977089	0.984145	0	0	0	0	0	0
0.983691	0.937117	0	0	0	0	0	0
0.990574	0.98757	0	0	0	0	0	0
0.992359	0.986011	0	0	0	0	0	0
0.971684	0.950267	0	0	0	0	0	0
0.010242	0.007745	0	0	0	0	0	0
0.01817	0.014892	0	0	0	0	0	0
0.988052	0.947647	0	0	0	0	0	0
0.984742	0.993688	0	0	0	0	0	0
0.056312	0.066166	0	0	0	0	0	0
0.026925	0.021989	0	0	0	0	0	0
0.993216	0.863241	0.05	0	0	0	0	0
0.992205	0.958078	0	0	0	0	0	0
0.990281	0.992254	0	0	0	0	0	0
0.418951	0.17052	0	0	0	0	0	0
0.983297	0.992381	0	0	0	0	0	0
0.980848	0.994213	0	0	0	0	0	0
0.986268	0.946493	0	0	0	0	0	0
0.940733	0.975501	0	0	0	0	0	0
0.970621	0.948223	0	0	0	0	0	0
0.947414	0.704222	0.01	0	0	0	0	0
0.987009	0.993644	0	0	0	0	0	0
0.991909	0.980324	0	0	0	0	0	0
0.997189	0.998427	0	0	0	0	0	0
0.996308	0.988789	0	0	0	0	0	0
0.96603	0.953339	0	0	0	0	0	0
0.969423	0.966098	0	0	0	0	0	0
0.006544	0.001866	0	0	0	0	0	0
0.014325	0.005444	0	0	0	0	0	0
0.99395	0.996887	0	0	0	0	0	0
0.013625	0.009225	0	0	0	0	0	0
0.989241	0.995822	0	0	0	0	0	0
0.009005	0.005488	0	0	0	0	0	0
0.015977	0.004679	0	0	0	0	0	0
0.994444	0.997807	0	0	0	0	0	0
0.903262	0.968899	0	0	0	0	0	0
0.968451	0.900455	0.03	0	0	0	0	0
0.936716	0.765002	0	0	0	0	0	0

0.56059	0.693303	0	0	0	0	0	0
0.988277	0.917491	0	0	0	0	0	0
0.991626	0.978059	0	0	0	0	0	0
0.931909	0.975408	0	0	0	0	0	0
0.99525	0.991059	0	0	0	0	0	0
0.023018	0.067868	0	0	0	0	0	0
0.029877	0.028267	0	0	0	0	0	0
0.983258	0.991403	0	0	0	0	0	0
0.993943	0.996261	0	0	0	0	0	0
0.001885	0.004655	0	0	0	0	0	0
0.063179	0.262801	0.13	0	0	0	0	0
0.997564	0.988144	0	0	0	0	0	0
0.049081	0.018674	0	0	0	0	0	0
0.209903	0.362352	0	0	0	0	0	0
0.966107	0.837754	0.03	0	0	0	0	0
0.452882	0.397315	0	0	0	0	0	0
0.495717	0.504311	0	0	0	0	0	0
0.989203	0.974349	0	0	0	0	0	0
0.025299	0.035059	0	0	0	0	0	0
0.988643	0.98956	0	0	0	0	0	0
0.982269	0.956125	0	0	0	0	0	0
0.981372	0.975754	0	0	0	0	0	0
0.91356	0.669877	0.05	0	0	0	0	0
0.94472	0.920446	0	0	0	0	0	0
0.991824	0.983921	0	0	0	0	0	0
0.956875	0.798181	0	0	0	0	0	0
0.974894	0.985636	0	0	0	0	0	0
0.986115	0.985951	0	0	0	0	0	0
0.416395	0.459947	0	0	0	0	0	0
0.967293	0.963136	0	0	0	0	0	0
0.043605	0.063693	0	0	0	0	0	0
0.98525	0.971571	0	0	0	0	0	0
0.981862	0.977212	0	0	0	0	0	0
0.986929	0.949586	0	0	0	0	0	0
0.990471	0.938374	0	0	0	0	0	0
0.98893	0.951572	0	0	0	0	0	0
0.986249	0.932728	0	0	0	0	0	0
0.956605	0.938415	0	0	0	0	0	0
0.044112	0.05566	0	0	0	0	0	0
0.185074	0.052766	0	0	0	0	0	0
0.981653	0.942068	0	0	0	0	0	0
0.960437	0.701829	0.06	0	0	0	0	0
0.934797	0.86011	0	0	0	0	0	0
0.219162	0.152776	0	0	0	0	0	0
0.921191	0.82831	0	0	0	0	0	0
0.852457	0.799655	0	0	0	0	0	0
0.734054	0.943938	0	0	0	0	0	0

0.870755	0.948526	0	0	0	0	0	0
0.932653	0.992755	0	0	0	0	0	0
0.917529	0.95301	0	0	0	0	0	0
0.997797	0.999242	0	0	8	0	0	0
0.857092	0.950725	0	0	0	0	0	0
0.951415	0.861938	0	0	0	0	0	0
0.952444	0.930753	0	0	0	0	0	0
0.688038	0.83415	0.03	0	0	0	0	0
0.006462	0.022073	0	0	0	0	0	0
0.997755	0.999217	0	0	0	0	0	0
0.993699	0.997958	0	0	0	0	0	0
0.911822	0.907511	0	0	0	0	0	0
0.996161	0.997519	0	0	0	0	0	0
0.989826	0.990234	0	0	0	0	0	0
0.026426	0.011728	0	0	0	0	0	0
0.993927	0.972114	0	0	0	0	0	0
0.045532	0.041042	0	0	0	0	0	0
0.063168	0.049325	0	0	0	0	0	0
0.970227	0.991473	0	0	0	0	0	0
0.10872	0.150209	0	0	0	0	0	0
0.957425	0.966079	0	0	0	0	0	0
0.942874	0.985287	0	0	0	0	0	0
0.956837	0.979451	0	0	0	0	0	0
0.936968	0.941283	0	0	0	0	0	0
0.04718	0.070615	0	0	0	0	0	0
0.993798	0.981739	0	0	0	0	0	0
0.990657	0.980895	0	0	0	0	0	0
0.992241	0.98738	0	0	0	0	0	0
0.992017	0.989125	0	0	0	0	0	0
0.992225	0.975701	0	0	0	0	0	0
0.01236	0.017804	0	0	0	0	0	0
0.017983	0.02128	0	0	0	0	0	0
0.998805	0.998073	0	0	0	0	0	0
0.99459	0.990982	0	0	0	0	0	0
0.992772	0.99213	0	0	0	0	0	0
0.997084	0.997402	0	0	0	0	0	0
0.981466	0.981419	0	0	0	0	0	0
0.31125	0.205156	0	0	4	0	0	0
0.891185	0.95097	0	0	0	0	0	0
0.834086	0.719009	0	0	0	0	0	0
0.239494	0.138199	0	0	0	0	0	0
0.975158	0.956361	0	0	0	0	0	0
0.058606	0.059372	0	0	0	0	0	0
0.952845	0.858075	0	0	0	0	0	0
0.976943	0.941506	0	0	0	0	0	0
0.25081	0.582909	0	0	0	0	0	0
0.893457	0.956444	0	0	0	0	0	0

0.984867	0.947792	0	0	0	0	0	0
0.968333	0.90895	0	0	0	0	0	0
0.95221	0.953599	0	0	0	0	0	0
0.958611	0.723954	0.09	0	0	0	0	0
0.985341	0.994791	0	0	0	0	0	0
0.958847	0.70313	0.12	0	0	0	0	0
0.073521	0.090321	0	0	0	0	0	0
0.998094	0.950911	0.02	0	0	0	0	0
0.996629	0.996115	0	0	0	0	0	0
0.995822	0.9964	0	0	0	0	0	0
0.007256	0.006558	0	0	0	0	0	0
0.967981	0.858196	0	0	0	0	0	0
0.989701	0.976304	0	0	0	0	0	0
0.987576	0.969826	0	0	0	0	0	0
0.97575	0.955212	0	0	0	0	0	0
0.988999	0.821989	0.03	0	0	0	0	0
0.992213	0.95728	0	0	0	0	0	0
0.983979	0.891281	0	0	0	0	0	0
0.986775	0.946459	0	0	0	0	0	0
0.987989	0.912533	0	0	0	0	0	0
0.98795	0.992496	0	0	0	0	0	0
0.987201	0.974092	0	0	0	0	0	0
0.98785	0.930427	0	0	0	0	0	0
0.096042	0.037127	0	0	0	0	0	0
0.94618	0.954751	0	0	0	0	0	0
0.837537	0.953289	0.03	0	0	0	0	0
0.95565	0.971333	0	0	0	0	0	0
0.969841	0.981785	0	0	0	0	0	0
0.006299	0.012186	0	0	0	0	0	0
0.081375	0.063974	0	0	0	0	0	0
0.481413	0.579792	0	0	0	0	0	0
0.995162	0.888746	0.04	0	0	0	0	0
0.993179	0.99809	0	0	0	0	0	0
0.997015	0.986855	0	0	0	0	0	0
0.339956	0.364292	0	0	0	0	0	0
0.989612	0.976916	0	0	0	0	0	0
0.987845	0.954944	0	0	0	0	0	0
0.989735	0.993184	0	0	0	0	0	0
0.967691	0.89551	0	0	0	0	0	0
0.985105	0.994587	0	0	0	0	0	0
0.985837	0.983234	0	0	0	0	0	0
0.921368	0.95698	0	0	0	0	0	0
0.005588	0.024441	0	0	0	0	0	0
0.991227	0.982281	0	0	0	0	0	0
0.995821	0.990874	0	0	0	0	0	0
0.903108	0.874592	0	0	0	0	0	0
0.915888	0.940745	0	0	0	0	0	0

0.995726	0.991169	0	0	0	0	0	0
0.828051	0.972347	0.05	0	0	0	0	0
0.993432	0.977531	0	0	0	0	0	0
0.040563	0.024458	0	0	0	0	0	0
0.031343	0.020694	0	0	0	0	0	0
0.564345	0.441651	0	0	0	0	0	0
0.666207	0.571464	0	0	0	0	0	0
0.966939	0.975562	0	0	0	0	0	0
0.976524	0.972629	0	0	0	0	0	0
0.947786	0.96509	0	0	0	0	0	0
0.987538	0.981282	0	0	0	0	0	0
0.984126	0.964231	0	0	0	0	0	0
0.98225	0.977474	0	0	0	0	0	0
0.03993	0.045061	0	0	0	0	0	0
0.983196	0.966957	0	0	0	0	1	1
0.941407	0.945125	0	0	0	0	0	0
0.986722	0.950636	0	0	0	0	0	0
0.984861	0.962031	0	0	0	0	0	0
0.957468	0.951387	0	0	0	0	0	0
0.013335	0.012864	0	0	0	0	0	0
0.034265	0.026166	0	0	0	0	0	0
0.452312	0.545711	0.01	0	0	0	0	0
0.995286	0.954208	0.01	0	0	0	0	0
0.999691	0.999062	0	0	0	0	0	0
0.011016	0.87353	0.87	11	42	40	4	4
0.012114	0.604204	0.61	11	42	27	6	6
0.010482	0.144069	0.07	0	0	0	0	0
0.978064	0.913814	0	0	0	0	0	0
0.971486	0.937308	0	0	0	0	0	0
0.94566	0.953327	0	0	0	0	0	0
0.940569	0.962782	0	0	0	0	0	0
0.968394	0.961077	0	0	0	0	0	0
0.968267	0.959606	0	0	0	0	0	0
0.948783	0.94008	0	0	0	0	0	0
0.955616	0.954307	0	0	0	0	0	0
0.957504	0.945415	0	0	0	0	0	0
0.897907	0.970742	0	0	0	0	0	0
0.777288	0.931083	0	0	0	0	0	0
0.01567	0.019772	0	0	0	0	0	0
0.97692	0.986873	0	0	0	0	0	0
0.021885	0.014261	0	0	0	0	0	0
0.992532	0.990494	0	0	0	0	0	0
0.975519	0.912286	0	0	0	0	2	2
0.995717	0.997497	0	0	0	0	0	0
0.01435	0.027049	0	0	0	0	0	0
0.99208	0.985701	0	0	0	0	0	0
0.990881	0.987572	0	0	0	0	0	0

0.986328	0.913864	0.01	0	0	0	0	0
0.976955	0.976111	0	0	0	0	0	0
0.987287	0.96978	0	0	0	0	0	0
0.010379	0.020429	0	0	0	0	0	0
0.008399	0.029719	0	0	0	0	0	0
0.014607	0.015133	0	0	0	0	0	0
0.023951	0.01939	0	9	0	0	0	0
0.991475	0.995456	0	9	0	0	0	0
0.709338	0.152026	0.43	0	0	0	0	0
0.944136	0.974232	0	0	0	0	0	0
0.994393	0.99097	0	0	0	0	0	0
0.995543	0.991702	0	0	0	0	0	0
0.980889	0.972349	0	0	0	0	0	0
0.980189	0.975417	0	0	0	0	0	0
0.982061	0.975742	0	0	0	0	0	0
0.973877	0.988314	0	0	0	0	0	0
0.990016	0.966644	0	0	0	0	0	0
0.990041	0.975258	0	0	0	0	0	0
0.912489	0.906449	0	0	0	0	0	0
0.023596	0.071981	0	0	0	0	0	0
0.985521	0.982747	0	0	0	0	0	0
0.994365	0.982813	0	0	0	0	0	0
0.977343	0.955467	0	0	0	0	0	0
0.972644	0.911494	0	0	0	0	0	0
0.815287	0.852885	0	0	0	0	0	0
0.990738	0.971862	0	0	0	0	0	0
0.99142	0.929433	0	0	0	0	0	0
0.993861	0.968202	0	0	0	0	0	0
0.996263	0.982721	0	0	0	0	0	0
0.00412	0.042209	0	0	0	0	0	0
0.997526	0.887949	0.03	0	0	0	0	0
0.917159	0.470105	0.24	0	0	0	0	0
0.010681	0.03619	0	0	1	0	0	0
0.996686	0.992997	0	0	1	0	0	0
0.995568	0.993605	0	0	0	0	0	0
0.996455	0.995623	0	3	0	0	0	0
0.995735	0.996045	0	0	0	0	0	0
0.005233	0.023188	0	0	0	0	0	0
0.950704	0.945602	0	0	0	0	0	0
0.963607	0.945467	0	0	0	0	0	0
0.028573	0.06978	0	0	0	0	0	0
0.993907	0.997615	0	0	0	0	0	0
0.898909	0.922039	0	0	0	0	0	0
0.841468	0.688522	0.02	0	0	0	0	0
0.992189	0.993682	0	0	0	0	0	0
0.009902	0.011493	0	0	0	0	0	0
0.993355	0.993145	0	0	0	0	0	0

0.975495	0.96523	0	0	0	0	0	0
0.962291	0.816679	0.01	0	0	0	0	0
0.963479	0.631936	0.25	0	0	0	0	0
0.976663	0.861723	0	0	0	0	0	0
0.98793	0.920634	0	0	0	0	0	0
0.958932	0.935293	0	0	0	0	0	0
0.969575	0.945901	0	0	0	0	0	0
0.008034	0.012529	0	0	0	0	0	0
0.026755	0.112767	0.02	0	0	0	0	0
0.971305	0.937676	0	0	0	0	5	5
0.984376	0.935111	0	0	0	0	0	0
0.017162	0.025697	0	0	0	0	0	0
0.975796	0.968374	0	0	0	0	0	0
0.984254	0.964444	0	0	4	0	0	0
0.929448	0.757184	0	0	0	0	0	0
0.950978	0.917817	0	0	0	0	0	0
0.986703	0.985818	0	0	0	0	0	0
0.985861	0.986551	0	0	0	0	0	0
0.990345	0.99272	0	0	0	0	0	0
0.247635	0.242368	0	0	0	0	0	0
0.986013	0.990223	0	0	0	0	0	0
0.985422	0.9837	0	0	0	0	0	0
0.9966	0.997239	0	0	0	0	0	0
0.987551	0.989386	0	0	0	0	0	0
0.991381	0.5956	0.28	0	0	0	0	0
0.97425	0.91968	0.01	0	0	0	0	0
0.999197	0.99664	0	0	0	0	0	0
0.97694	0.983595	0.01	0	0	0	0	0
0.994759	0.986976	0	0	0	0	0	0
0.995969	0.987725	0.01	0	0	0	0	0
0.981348	0.975087	0.01	0	0	0	0	0
0.948808	0.955484	0	0	0	0	0	0
0.993112	0.990246	0	0	0	0	0	0
0.992825	0.990588	0	0	0	0	0	0
0.994973	0.990287	0	0	0	0	0	0
0.995218	0.988939	0	0	0	0	0	0
0.996236	0.991938	0	0	0	0	0	0
0.995841	0.9831	0	0	0	0	0	0
0.964929	0.885314	0	0	0	0	0	0
0.989792	0.925317	0.03	0	0	0	0	0
0.051891	0.038388	0	0	0	0	0	0
0.770777	0.791689	0	0	0	0	0	0
0.950068	0.971983	0	0	0	0	0	0
0.964545	0.982648	0	0	0	0	0	0
0.967286	0.98912	0	0	0	0	0	0
0.941749	0.851552	0	0	0	0	0	0
0.965295	0.987092	0	0	0	0	0	0

0.004272	0.003545	0	0	0	0	0	0
0.006975	0.002863	0	0	0	0	0	0
0.998656	0.998998	0	0	0	0	0	0
0.011722	0.013796	0	0	0	0	0	0
0.997946	0.9976	0	0	0	0	0	0
0.994958	0.989793	0	0	0	0	0	0
0.95904	0.881423	0	0	0	0	0	0
0.989293	0.989009	0	0	0	0	0	0
0.994658	0.978035	0	0	0	0	0	0
0.995658	0.966717	0	0	0	0	0	0
0.005837	0.024264	0	0	8	9	0	0
0.68144	0.785958	0.01	0	8	0	6	6
0.999667	0.999702	0	0	0	0	0	0
0.028208	0.007315	0	0	0	0	0	0
0.971619	0.989675	0	0	0	0	0	0
0.02885	0.00758	0	0	0	0	0	0
0.050126	0.055114	0	0	0	0	0	0
0.991623	0.963951	0	0	0	0	0	0
0.856556	0.444945	0.04	0	0	0	0	0
0.970775	0.981892	0	0	0	0	0	0
0.907693	0.799247	0	0	0	0	0	0
0.995633	0.995977	0	0	0	0	0	0
0.977352	0.962683	0	0	0	0	0	0
0.97603	0.948413	0	0	0	0	0	0
0.035869	0.012006	0	0	0	0	0	0
0.988373	0.995657	0	0	0	0	0	0
0.023875	0.023801	0	0	0	0	0	0
0.158286	0.064168	0	0	0	0	0	0
0.889304	0.940834	0	0	0	0	0	0
0.989044	0.880604	0.05	0	0	0	0	0
0.998349	0.998013	0	0	0	0	0	0
0.003212	0.003678	0	0	0	0	0	0
0.999354	0.999428	0	0	0	0	0	0
0.221666	0.222123	0	0	0	0	0	0
0.994851	0.995775	0	0	0	0	0	0
0.011945	0.003949	0	0	0	0	0	0
0.996706	0.997967	0	0	0	0	0	0
0.99291	0.996708	0	0	0	0	0	0
0.992857	0.997575	0	0	0	0	0	0
0.992509	0.985234	0	0	0	0	0	0
0.99302	0.993782	0	0	0	0	0	0
0.98874	0.895059	0	0	0	0	0	0
0.060842	0.05172	0	0	0	0	0	0
0.967459	0.700949	0.05	0	0	0	0	0
0.987619	0.805784	0.02	0	0	0	0	0
0.979082	0.964162	0	0	0	0	0	0
0.973218	0.974082	0	0	0	0	0	0

0.917941	0.964026	0	0	0	0	0	0
0.573017	0.748798	0	0	0	0	0	0
0.980233	0.94574	0	0	0	0	0	0
0.970653	0.903308	0	0	0	0	0	0
0.969877	0.904978	0	0	0	0	0	0
0.993873	0.984295	0	0	0	0	0	0
0.99145	0.980176	0	0	0	0	0	0
0.994168	0.991007	0	0	0	0	0	0
0.995675	0.982477	0	0	0	0	0	0
0.01737	0.058688	0	0	0	0	0	0
0.995271	0.992594	0	0	0	0	0	0
0.996055	0.983155	0	0	0	0	0	0
0.993685	0.987169	0	0	0	0	0	0
0.012629	0.032713	0	0	0	0	0	0
0.004912	0.005726	0	0	0	0	0	0
0.004479	0.007923	0	0	0	0	0	0
0.042674	0.031684	0	0	0	0	0	0
0.998953	0.997654	0	0	0	0	0	0
0.00239	0.005802	0	0	0	0	0	0
0.997016	0.997951	0	0	0	0	0	0
0.99861	0.996505	0	0	0	0	0	0
0.979757	0.935279	0.01	0	0	0	0	0
0.988703	0.975167	0	0	0	0	0	0
0.991	0.993236	0	0	0	0	0	0
0.570064	0.170331	0.29	0	0	0	0	0
0.629218	0.422359	0.05	0	0	0	0	0
0.993106	0.991223	0	0	0	0	0	0
0.998544	0.998458	0	0	0	0	0	0
0.996967	0.995298	0	0	0	0	0	0
0.998364	0.97303	0.02	0	1	0	0	0
0.992315	0.955911	0	0	0	0	0	0
0.002553	0.005243	0	0	0	0	0	0
0.774397	0.988749	0.06	0	0	0	0	0
0.107418	0.036372	0	0	0	0	0	0
0.943722	0.939981	0	0	0	0	0	0
0.943807	0.807254	0	0	0	0	0	0
0.964715	0.966111	0	0	0	0	0	0
0.975897	0.963166	0	0	0	0	0	0
0.911002	0.798128	0	0	0	0	0	0
0.061801	0.054968	0	0	0	0	0	0
0.046694	0.025982	0	0	0	0	0	0
0.978635	0.977452	0	0	0	0	0	0
0.950337	0.932376	0	0	0	0	0	0
0.983753	0.984474	0	0	0	0	0	0
0.968657	0.978197	0	0	0	0	0	0
0.96393	0.972081	0	0	0	0	0	0
0.980376	0.967875	0	0	0	0	0	0

0.002164	0.007325	0	0	0	0	0	0
0.998665	0.997637	0	0	0	0	0	0
0.000321	0.00035	0	0	0	0	0	0
0.997441	0.99484	0	0	0	0	0	0
0.999754	0.999509	0	0	0	0	0	0
0.984777	0.906611	0	0	0	0	0	0
0.931466	0.937955	0	0	0	0	0	0
0.975699	0.962271	0	0	0	0	0	0
0.970253	0.978306	0	0	0	0	0	0
0.056199	0.038733	0	0	0	0	0	0
0.880003	0.906428	0	0	0	0	0	0
0.934398	0.86906	0	0	0	0	0	0
0.951972	0.947476	0	0	0	0	0	0
0.998966	0.999038	0	0	0	0	0	0
0.982646	0.871811	0	0	0	0	0	0
0.980153	0.962932	0	0	0	0	0	0
0.787725	0.722355	0	0	0	0	0	0
0.690777	0.573829	0	0	0	0	0	0
0.960565	0.997191	0	0	0	0	0	0
0.063452	0.013057	0	0	0	0	0	0
0.959596	0.252191	0.56	0	0	0	0	0
0.817322	0.869349	0	0	0	0	3	3
0.907862	0.993474	0	0	4	0	0	0
0.943105	0.994607	0	0	4	0	0	0
0.962327	0.892747	0	0	0	0	0	0
0.964993	0.980124	0	0	0	0	0	0
0.996235	0.997328	0	0	0	0	0	0
0.007155	0.004471	0	0	0	0	0	0
0.997089	0.992467	0	0	0	0	0	0
0.942606	0.93596	0	0	0	0	0	0
0.99831	0.997728	0	0	0	0	0	0
0.012905	0.011055	0	0	0	0	0	0
0.998527	0.574287	0.3	0	0	0	2	1
0.022437	0.021465	0	0	0	0	0	0
0.990625	0.973562	0	0	0	0	0	0
0.675687	0.801813	0	0	0	0	0	0
0.989493	0.976966	0.01	0	0	0	0	0
0.004753	0.005672	0	0	0	0	0	0
0.966017	0.964214	0	0	0	0	0	0
0.378313	0.260158	0	0	0	0	0	0
0.996376	0.995357	0	0	0	0	0	0
0.978462	0.975872	0	0	0	0	0	0
0.997797	0.99812	0	0	0	0	0	0
0.012783	0.013204	0	0	0	0	0	0
0.997123	0.998439	0	0	0	0	0	0
0.953712	0.933747	0	0	0	0	0	0
0.979973	0.98357	0	0	0	0	0	0

0.937827	0.924359	0	0	0	0	0	0
0.883073	0.880668	0	0	0	0	0	0
0.026959	0.023861	0	0	0	0	0	0
0.981308	0.991464	0	0	0	0	0	0
0.988208	0.993561	0	0	0	0	0	0
0.028562	0.01239	0	0	0	0	0	0
0.109877	0.05452	0	0	0	0	0	0
0.956845	0.993573	0	0	0	0	0	0
0.036971	0.018196	0	0	0	0	0	0
0.975043	0.969873	0	0	0	0	0	0
0.984203	0.978034	0	0	0	0	0	0
0.979338	0.883484	0.01	0	0	0	0	0
0.003746	0.00576	0	0	0	0	0	0
0.017515	0.00778	0	0	0	0	0	0
0.946075	0.975566	0.01	0	0	0	0	0
0.28263	0.711366	0.35	0	0	0	0	0
0.010851	0.006733	0	0	0	0	0	0
0.981009	0.974529	0	0	0	0	0	0
0.84596	0.881192	0	0	0	0	0	0
0.994041	0.989679	0	0	0	0	0	0
0.964519	0.974433	0	0	0	0	0	0
0.994967	0.994638	0	0	0	0	0	0
0.002249	0.014464	0	0	0	0	0	0
0.972933	0.957754	0	0	0	0	0	0
0.997911	0.994483	0	0	0	0	0	0
0.999052	0.997608	0	0	0	0	0	0
0.999238	0.975379	0.01	0	0	0	0	0
0.999056	0.99786	0	0	0	0	0	0
0.017642	0.038628	0	0	0	0	0	0
0.968265	0.858191	0	0	0	0	0	0
0.964646	0.981962	0	0	0	0	0	0
0.527403	0.484638	0	0	0	0	0	0
0.895544	0.841358	0	0	0	0	0	0
0.932715	0.757511	0	0	0	0	0	0
0.751907	0.366705	0.15	0	0	0	0	0
0.980534	0.967305	0	0	0	0	0	0
0.992256	0.897111	0.01	0	0	0	5	4
0.987948	0.990042	0	0	0	0	0	0
0.983536	0.990941	0	0	0	0	0	0
0.982274	0.988753	0	0	0	0	0	0
0.976018	0.911591	0	0	0	0	0	0
0.024105	0.025497	0	0	0	0	0	0
0.126367	0.145037	0	0	0	0	0	0
0.951785	0.94624	0	0	0	0	0	0
0.085322	0.036384	0	0	0	0	0	0
0.04588	0.034613	0	0	0	0	0	0
0.68353	0.172692	0.19	0	0	0	0	0

0.027001	0.100107	0	0	0	0	0	0
0.98995	0.91655	0	0	0	0	0	0
0.01441	0.129685	0	0	0	0	0	0
0.016869	0.130675	0	0	0	0	0	0
0.991642	0.924096	0	0	0	0	0	0
0.984108	0.97963	0	0	0	0	0	0
0.976788	0.980205	0	0	0	0	0	0
0.99134	0.968005	0	0	0	0	0	0
0.962374	0.957675	0	0	0	0	0	0
0.976322	0.949954	0	0	0	0	0	0
0.991071	0.975391	0	0	0	0	0	0
0.020369	0.057277	0	0	0	0	0	0
0.994176	0.98785	0	0	0	0	0	0
0.99075	0.989893	0	0	0	0	0	0
0.990728	0.993963	0	0	0	0	0	0
0.947909	0.991539	0	0	0	0	0	0
0.129697	0.763974	0.4	0	0	0	0	0
0.992901	0.993233	0	0	0	0	0	0
0.716947	0.693115	0	0	0	0	0	0
0.998142	0.996652	0	0	0	0	0	0
0.018608	0.023242	0	0	0	0	0	0
0.127694	0.121245	0	0	0	0	0	0
0.989475	0.988725	0	0	0	0	0	0
0.975857	0.952496	0	0	0	0	0	0
0.978327	0.944086	0	0	0	0	0	0
0.948032	0.954385	0	0	0	0	0	2
0.97995	0.943234	0	2	0	0	0	0
0.013178	0.006068	0	0	0	0	0	0
0.010789	0.008349	0	0	0	0	0	0
0.99784	0.998592	0	0	0	0	0	0
0.983652	0.990318	0	0	0	0	0	0
0.942177	0.951982	0	0	0	0	0	0
0.95349	0.960096	0	0	0	0	0	0
0.007993	0.004155	0	0	7	7	0	11
0.059483	0.238244	0.08	0	7	68	15	14
0.943505	0.319706	0.44	0	7	66	36	9
0.987986	0.998011	0	0	0	0	0	0
0.997189	0.992099	0	0	0	0	0	0
0.991225	0.987623	0	0	0	0	0	0
0.992163	0.987844	0	0	0	0	0	0
0.023424	0.048072	0	0	0	0	0	0
0.987239	0.98566	0	0	0	0	0	0
0.982158	0.989479	0	0	0	0	0	0
0.988122	0.99133	0	0	0	0	0	0
0.982603	0.985805	0	0	0	0	0	0
0.987735	0.98974	0	0	0	0	0	0
0.987358	0.992094	0	0	0	0	0	0

0.995253	0.998325	0	0	0	0	0	0
0.994949	0.998924	0	0	0	0	0	0
0.987381	0.972139	0	0	0	0	0	0
0.991744	0.950369	0	0	0	0	0	0
0.953843	0.930508	0	0	0	0	0	0
0.94321	0.825602	0	0	0	0	0	0
0.618811	0.680416	0	0	0	0	0	0
0.988108	0.974266	0	0	0	4	0	0
0.991457	0.993458	0	0	0	0	0	0
0.984607	0.989604	0	0	0	0	0	0
0.986477	0.989184	0	0	0	0	0	0
0.977372	0.883786	0	0	0	0	0	0
0.958061	0.968914	0	0	0	0	0	0
0.963538	0.9382	0	0	0	0	0	0
0.956358	0.944472	0	0	0	0	0	0
0.975928	0.989307	0	0	0	0	0	0
0.943835	0.960894	0	0	0	0	0	0
0.949118	0.898699	0	0	0	0	0	0
0.950399	0.938244	0	0	0	0	0	0
0.949258	0.952675	0	0	0	0	0	0
0.964922	0.953493	0	0	0	0	0	0
0.049046	0.127156	0	0	0	0	0	0
0.951067	0.738352	0	0	0	0	0	0
0.048263	0.014316	0	0	0	0	0	0
0.003876	0.004188	0	4	54	39	11	21
0.998877	0.998966	0	0	0	0	0	0
0.007988	0.100153	0.02	0	0	0	0	0
0.96375	0.923337	0	0	0	0	0	0
0.990888	0.987703	0	0	0	0	0	0
0.989851	0.993544	0	0	0	0	0	0
0.990404	0.994088	0	0	0	0	0	0
0.988322	0.991824	0	0	0	0	0	0
0.008253	0.031484	0	0	0	0	0	0
0.99308	0.992736	0	0	0	0	0	0
0.986905	0.971217	0	0	0	0	0	0
0.9833	0.953263	0	0	0	0	0	0
0.019227	0.029523	0	0	0	0	0	0
0.103615	0.032018	0	0	0	0	0	0
0.995979	0.992761	0	0	0	0	0	0
0.99619	0.996152	0	0	0	0	0	0
0.916091	0.854331	0	0	0	0	0	0
0.989002	0.989883	0	0	0	0	0	0
0.98543	0.966304	0	0	0	0	0	0
0.995671	0.997422	0	0	0	0	0	0
0.994834	0.997013	0	0	0	0	0	0
0.996077	0.994771	0	0	0	0	0	0
0.991905	0.998193	0	0	0	0	0	0

0.995677	0.992971	0	0	0	0	0	0
0.088474	0.078611	0	0	0	0	0	0
0.377578	0.201273	0	0	0	0	0	0
0.192623	0.58968	0.25	0	0	0	0	0
0.992286	0.992429	0	0	0	0	0	0
0.986225	0.993428	0	0	0	0	0	0
0.984522	0.983469	0	0	0	0	0	0
0.985134	0.984444	0	0	0	0	0	0
0.982945	0.98764	0	0	0	0	0	0
0.988061	0.990293	0	0	0	0	0	0
0.992335	0.984019	0	0	0	0	0	0
0.996735	0.999118	0	0	0	0	0	0
0.982519	0.984119	0	0	0	0	0	0
0.989126	0.993203	0	0	0	0	0	0
0.964045	0.846259	0	0	0	0	0	0
0.973215	0.951157	0	0	0	0	0	0
0.952498	0.968319	0	0	0	0	0	0
0.983187	0.969576	0	0	0	0	0	0
0.985208	0.971492	0	0	0	0	0	0
0.973551	0.981451	0	0	0	0	0	0
0.984218	0.938054	0	0	0	0	0	0
0.040465	0.025851	0	0	0	0	0	0
0.991643	0.993576	0	0	0	0	0	0
0.869699	0.915715	0	0	0	0	0	0
0.984671	0.948325	0	0	0	0	0	0
0.986614	0.923509	0	0	0	0	0	0
0.064507	0.143065	0	0	0	0	0	0
0.943828	0.94885	0	0	0	0	0	0
0.95389	0.935905	0	0	0	0	0	0
0.99039	0.929955	0	0	0	0	0	0
0.04761	0.090657	0	0	0	0	0	0
0.253825	0.322788	0	0	0	0	0	0
0.037915	0.019142	0	0	0	0	0	0
0.846363	0.72227	0	0	0	0	0	0
0.991512	0.883838	0.01	0	0	0	0	0
0.992379	0.832854	0.01	0	0	0	0	0
0.000321	0.001503	0	0	0	0	0	0
0.992107	0.966102	0	0	0	0	0	0
0.995545	0.972746	0	0	0	0	0	0
0.994746	0.973063	0	0	0	0	0	0
0.985896	0.962173	0	0	0	0	0	0
0.965266	0.96	0	0	0	0	0	0
0.497772	0.54263	0	0	0	0	0	0
0.056911	0.165289	0.02	0	0	0	0	0
0.993826	0.989598	0	0	0	0	0	0
0.948331	0.961484	0	0	0	0	0	0
0.017298	0.056127	0	0	0	0	0	0

0.997727	0.99723	0	0	0	0	0	0
0.019272	0.064273	0	0	0	0	0	0
0.013941	0.031273	0	0	0	0	0	0
0.99726	0.997367	0	1	0	0	0	0
0.996834	0.996502	0	0	0	0	0	0
0.980828	0.991744	0	0	0	0	0	0
0.996914	0.989813	0	0	0	0	0	0
0.008248	0.009464	0	0	0	0	0	0
0.024769	0.063675	0	0	0	0	0	0
0.019741	0.03165	0	0	0	0	0	0
0.032064	0.050843	0	0	0	0	0	0
0.911264	0.937562	0	0	0	0	0	0
0.465636	0.54788	0	0	0	0	0	0
0.03076	0.032791	0	0	0	0	0	0
0.009855	0.011639	0	0	0	0	0	0
0.011828	0.019437	0	0	0	0	0	0
0.865632	0.691286	0	0	0	0	0	0
0.989953	0.985225	0	0	0	0	0	0
0.981752	0.971115	0	0	0	0	0	0
0.980384	0.982402	0	0	0	0	0	0
0.986603	0.960763	0	0	0	0	0	0
0.990944	0.978956	0	0	0	0	3	3
0.037904	0.041937	0	0	0	0	0	0
0.908198	0.743375	0	0	0	0	0	0
0.984212	0.878143	0.01	0	0	0	0	0
0.987395	0.980729	0	0	0	0	0	0
0.987884	0.975177	0	0	0	0	0	0
0.986622	0.982685	0	0	0	0	0	0
0.97621	0.97564	0	0	0	0	0	0
0.964316	0.972314	0	0	0	0	0	0
0.971631	0.973499	0	0	0	0	0	0
0.974336	0.981312	0	0	0	0	0	0
0.943574	0.939807	0	0	0	0	0	0
0.850747	0.922702	0	0	0	0	0	0
0.915549	0.934733	0	0	0	0	0	0
0.852045	0.928874	0	0	0	0	0	0
0.896877	0.949396	0	0	0	0	0	0
0.941351	0.936696	0	0	0	0	0	0
0.969258	0.936882	0	0	0	0	0	0
0.055461	0.148772	0	0	0	0	0	0
0.965708	0.961339	0	0	0	0	0	0
0.971615	0.967725	0	0	0	0	0	0
0.941354	0.933245	0	0	0	0	0	0
0.950691	0.905326	0	0	0	0	0	0
0.808701	0.917841	0	0	0	0	0	0
0.938358	0.976975	0	0	0	0	0	0
0.973473	0.958943	0	0	0	0	0	0

0.961347	0.954558	0	0	0	0	0	0
0.982817	0.970876	0	0	0	0	0	0
0.973936	0.953471	0	0	0	0	0	0
0.972809	0.965496	0	0	0	0	0	0
0.947332	0.940115	0	0	0	0	1	0
0.969186	0.848411	0	0	0	0	0	0
0.974198	0.95571	0	0	0	0	0	0
0.086582	0.078706	0	0	0	0	0	0
0.979394	0.979733	0	0	0	0	0	0
0.897165	0.940249	0	0	0	0	0	0
0.049442	0.041679	0	0	0	0	0	0
0.936805	0.825243	0	0	0	0	0	0
0.943877	0.97604	0	0	0	0	0	0
0.962635	0.972438	0	0	0	0	0	0
0.94878	0.975834	0	0	0	0	0	0
0.052044	0.01973	0	0	0	0	0	0
0.970593	0.993296	0	0	0	0	0	0
0.962023	0.973987	0	0	0	0	0	0
0.060811	0.11334	0	0	0	0	0	0
0.960305	0.945777	0	0	0	0	0	0
0.964101	0.989687	0	0	0	0	0	0
0.911428	0.980801	0	0	0	0	0	0
0.997153	0.99287	0	0	0	0	0	0
0.994307	0.993293	0	0	0	0	0	0
0.997397	0.995884	0	0	0	0	0	0
0.997406	0.99675	0	0	0	0	0	0
0.050059	0.126896	0	0	0	0	0	0
0.017914	0.106622	0	0	0	0	0	0
0.98747	0.970328	0	0	0	0	0	0
0.989997	0.963779	0	0	0	0	0	0
0.948986	0.797191	0	0	0	0	0	0
0.982227	0.935287	0	0	0	0	0	0
0.993446	0.980279	0	0	0	0	0	0
0.992779	0.940663	0	0	0	0	0	0
0.082994	0.318804	0.06	0	0	0	0	0
0.998851	0.997595	0	0	0	0	0	0
0.998865	0.998005	0	0	0	0	0	0
0.997837	0.995154	0	0	0	0	0	0
0.993987	0.940707	0.01	0	0	0	0	0
0.983887	0.977509	0	0	0	0	0	0
0.987128	0.980718	0	0	0	0	0	0
0.97998	0.964749	0	0	0	0	0	0
0.98228	0.973117	0	0	0	0	0	0
0.97174	0.981376	0	0	0	0	0	0
0.980932	0.976917	0	0	0	0	0	0
0.968249	0.947848	0	0	0	0	0	0
0.978058	0.939267	0	0	0	0	0	0

0.951413	0.954672	0	0	0	0	5	0
0.00802	0.015683	0	0	0	0	0	0
0.980515	0.968086	0	0	0	0	0	0
0.995665	0.995117	0	0	0	0	0	0
0.958144	0.954762	0	0	0	0	0	0
0.970838	0.964395	0	0	0	0	0	0
0.975655	0.953439	0	0	0	0	0	0
0.971399	0.987165	0	0	0	4	0	0
0.987908	0.982525	0	0	0	0	0	0
0.982042	0.955391	0	0	0	0	0	0
0.041513	0.022218	0	0	0	0	0	0
0.977364	0.949933	0	0	0	0	0	0
0.409346	0.48807	0	0	0	0	0	0
0.981263	0.991444	0	0	0	0	0	0
0.986039	0.985517	0	0	0	0	0	0
0.928707	0.835211	0	0	0	0	0	0
0.981551	0.970069	0	0	0	0	0	0
0.987274	0.991782	0	0	0	0	0	0
0.861204	0.316766	0.29	0	0	0	0	0
0.027104	0.014934	0	0	0	0	0	0
0.966367	0.978849	0	0	0	0	0	0
0.98715	0.950739	0	0	0	0	0	0
0.887414	0.944629	0	0	0	0	0	0
0.964987	0.949837	0	0	0	0	0	0
0.946375	0.884766	0	0	0	0	0	0
0.03041	0.042817	0	0	0	0	0	0
0.972235	0.956044	0	0	0	0	0	0
0.975949	0.953862	0	0	0	0	0	0
0.978494	0.959729	0	0	0	0	0	0
0.982445	0.958178	0	0	0	0	0	0
0.947543	0.952282	0	0	0	0	0	0
0.983418	0.951085	0	0	0	0	0	0
0.97068	0.837301	0	0	0	0	0	0
0.016659	0.003881	0	0	0	0	0	0
0.755036	0.709848	0	0	0	0	0	0
0.383935	0.110938	0.13	0	0	0	0	0
0.004688	0.005827	0	0	0	0	0	0
0.023027	0.020366	0	0	0	0	0	0
0.566574	0.211585	0.08	0	0	0	0	0
0.461036	0.61553	0	0	0	0	0	0
0.586214	0.249542	0.04	0	0	0	0	0
0.017521	0.022098	0	0	0	0	0	0
0.990634	0.971842	0	0	0	0	0	0
0.988989	0.992754	0	0	0	0	0	0
0.992422	0.993759	0	0	0	0	0	0
0.9931	0.994291	0	0	0	0	0	0
0.995234	0.995982	0	0	0	0	0	0

0.972004	0.980827	0	0	0	0	0	0
0.983094	0.988093	0	0	0	0	0	0
0.989894	0.989547	0	0	0	0	0	0
0.98713	0.983496	0	0	0	0	0	0
0.991424	0.900685	0.04	0	0	0	0	0
0.997205	0.996621	0	0	0	0	0	0
0.998585	0.996475	0	0	0	0	0	0
0.988448	0.886388	0.05	0	0	0	0	0
0.989199	0.911513	0.03	0	0	0	0	0
0.994458	0.997657	0	0	0	0	0	0
0.048264	0.142756	0	0	0	0	0	0
0.985874	0.969667	0	0	0	0	0	0
0.028134	0.019397	0	0	0	0	0	0
0.981775	0.979173	0	0	0	0	0	0
0.979242	0.993207	0	0	0	0	0	0
0.046879	0.090768	0	0	0	0	0	0
0.054446	0.062897	0	0	0	0	0	0
0.982641	0.862394	0	0	0	0	0	0
0.982996	0.986988	0	0	0	0	0	0
0.970891	0.980648	0	0	0	0	0	0
0.966184	0.88185	0	0	0	0	0	0
0.990481	0.898624	0	0	0	0	0	0
0.970235	0.984273	0	0	0	0	0	0
0.933874	0.955082	0	1	0	0	0	0
0.937496	0.727874	0.05	0	0	0	0	0
0.981163	0.886478	0	0	0	0	0	0
0.994672	0.996693	0	0	0	0	0	0
0.995415	0.984167	0	0	0	0	0	0
0.954822	0.977519	0	0	0	0	0	0
0.971299	0.982991	0	0	0	0	0	0
0.989563	0.993068	0	0	0	0	0	0
0.987943	0.922395	0	0	0	0	0	0
0.994295	0.960615	0	0	0	0	0	0
0.994527	0.964792	0	0	0	0	0	0
0.983261	0.972612	0	0	0	0	0	0
0.989535	0.970819	0	0	0	0	0	0
0.949411	0.947527	0	0	0	0	0	0
0.191823	0.262299	0	0	0	0	0	0
0.938176	0.920183	0	0	0	0	0	0
0.962553	0.936424	0	0	0	0	0	0
0.956054	0.943885	0	0	0	0	0	0
0.95795	0.893528	0	0	0	0	0	0
0.976399	0.951208	0	0	0	0	0	0
0.955822	0.946566	0	0	0	0	0	0
0.158632	0.15901	0	0	0	0	0	0
0.971131	0.931155	0	0	0	0	0	0
0.996141	0.977979	0	0	0	0	0	0

0.997537	0.989269	0	0	0	0	0	0
0.997779	0.989798	0	0	0	0	0	0
0.994496	0.939519	0	0	0	1	0	0
0.305445	0.057058	0.03	0	0	0	0	0
0.994052	0.94178	0	0	0	0	0	0
0.003592	0.013368	0	0	0	0	0	0
0.998051	0.995927	0	0	0	0	0	0
0.970931	0.945616	0	0	0	0	0	0
0.014614	0.069267	0.01	0	0	0	0	0
0.995339	0.949433	0	0	0	0	0	0
0.915	0.903734	0	0	0	0	0	0
0.988935	0.842554	0	0	0	0	0	0
0.974046	0.739209	0.01	0	0	0	0	0
0.960312	0.800651	0	0	0	0	0	0
0.994949	0.994016	0	0	0	0	0	0
0.01083	0.026303	0	0	0	0	0	0
0.995329	0.994674	0	0	0	0	0	0
0.008242	0.031323	0	0	0	0	0	0
0.994784	0.985726	0	0	0	0	0	0
0.995056	0.954987	0	0	0	0	0	0
0.048907	0.115041	0	0	0	0	0	0
0.994132	0.969381	0	0	0	0	0	0
0.997327	0.984169	0	0	0	0	0	0
0.987072	0.896105	0	0	0	0	0	0
0.95859	0.989728	0	0	0	0	0	0
0.040312	0.011462	0	0	0	0	0	0
0.924344	0.954239	0	0	0	0	0	0
0.99537	0.985827	0	0	0	0	0	0
0.994636	0.992921	0	0	0	0	0	0
0.975884	0.96635	0	0	0	0	0	0
0.991382	0.980249	0	0	0	0	0	0
0.996346	0.993488	0	0	0	0	0	0
0.010876	0.011313	0	0	0	0	0	0
0.013752	0.014087	0	0	0	0	0	0
0.995471	0.979606	0	0	0	0	0	0
0.99558	0.980786	0	0	0	0	0	0
0.96663	0.978398	0	0	0	0	0	0
0.964667	0.986053	0	0	0	0	0	0
0.994226	0.99889	0	0	0	0	0	0
0.996249	0.884233	0.12	0	0	0	0	0
0.058877	0.061531	0	0	0	0	0	0
0.967555	0.944672	0	0	0	0	0	0
0.941257	0.873297	0	0	0	0	0	0
0.99901	0.984607	0	0	0	0	0	0
0.999249	0.990866	0	0	0	0	0	0
0.959235	0.930333	0	0	0	0	0	0
0.983368	0.975781	0	0	0	0	0	0

0.999187	0.998058	0	0	0	0	0	0
0.995032	0.998446	0	0	0	0	0	0
0.999171	0.999115	0	0	0	0	0	0
0.998405	0.986826	0	0	0	0	0	0
0.986961	0.981891	0	0	0	0	0	0
0.019502	0.010399	0	0	0	0	0	0
0.009118	0.009729	0	0	0	0	0	0
0.979649	0.929774	0	0	0	0	0	0
0.995562	0.992659	0	0	0	0	0	0
0.809493	0.568356	0.1	0	0	0	0	0
0.878143	0.703216	0.07	0	0	0	0	0
0.67637	0.654337	0	0	0	0	0	0
0.274621	0.259789	0	0	0	0	0	0
0.997567	0.998645	0	0	0	0	0	0
0.995648	0.912073	0.03	0	0	0	0	0
0.988452	0.969567	0	0	0	0	0	0
0.986529	0.98403	0	0	0	0	0	0
0.991365	0.956329	0	0	0	0	0	0
0.975654	0.996809	0	0	0	0	0	0
0.99217	0.992181	0	0	0	0	0	0
0.989678	0.990678	0	0	0	0	0	0
0.991995	0.993637	0	0	0	0	0	0
0.99717	0.99676	0	0	0	0	0	0
0.996565	0.996181	0	0	0	0	0	0
0.995667	0.980637	0	0	0	0	0	0
0.995583	0.995818	0	0	0	0	0	0
0.99634	0.997492	0	0	0	0	0	0
0.992681	0.975632	0	0	0	0	0	0
0.98121	0.95556	0	0	0	4	0	0
0.991732	0.975981	0	0	0	0	0	0
0.194928	0.21374	0	0	0	0	0	0
0.976819	0.859011	0	0	0	0	0	0
0.040389	0.064456	0	0	0	0	0	0
0.995756	0.995652	0	0	0	0	0	0
0.99558	0.99789	0	0	0	0	0	0
0.995433	0.99913	0	0	0	0	0	0
0.983596	0.977679	0	0	0	0	0	0
0.985293	0.980703	0	0	0	0	0	0
0.950704	0.941309	0	0	0	0	0	0
0.940133	0.968523	0	0	0	0	0	0
0.98579	0.984188	0	0	0	0	0	0
0.986483	0.973243	0	0	0	0	0	0
0.950252	0.923527	0	0	0	0	0	0
0.857397	0.848971	0	0	0	0	0	0
0.046727	0.047158	0	0	0	0	0	0
0.017255	0.116712	0	0	0	0	0	0
0.050327	0.053472	0	0	0	0	0	0

0.988037	0.968148	0	0	0	0	0	0
0.987914	0.966159	0	0	0	0	0	0
0.982631	0.977146	0	0	0	0	0	0
0.98561	0.979519	0	0	0	0	0	0
0.98482	0.974696	0	0	0	0	0	0
0.953993	0.985056	0	0	0	0	0	0
0.97014	0.976916	0	0	0	0	0	0
0.978077	0.952756	0	0	0	0	0	0
0.98558	0.963089	0	0	0	0	0	0
0.982405	0.988824	0	0	0	0	0	0
0.988744	0.966592	0	0	0	0	0	0
0.986428	0.949668	0	0	0	0	0	0
0.990467	0.942208	0	0	0	0	0	0
0.989224	0.975215	0	0	0	0	0	0
0.991481	0.979055	0	0	0	0	0	0
0.981151	0.970418	0	0	0	0	0	0
0.988207	0.982547	0	0	0	0	0	0
0.980432	0.971089	0	0	0	0	0	0
0.992003	0.989174	0	0	0	0	0	0
0.991399	0.969951	0	0	0	0	0	0
0.970064	0.997703	0.01	0	0	0	0	0
0.992754	0.994532	0	0	0	0	0	0
0.994326	0.993868	0	0	0	0	0	0
0.988125	0.99017	0	0	0	0	0	0
0.031952	0.057791	0	0	0	0	0	0
0.021956	0.022482	0	0	0	0	0	0
0.990712	0.992629	0	0	0	0	0	0
0.021345	0.0456	0	0	0	0	0	0
0.990487	0.993829	0	0	0	0	0	0
0.019953	0.016417	0	0	0	0	0	0
0.993884	0.997166	0	0	0	0	0	0
0.992721	0.994207	0	0	0	0	0	0
0.990713	0.994363	0	0	0	0	0	0
0.989168	0.997698	0	0	0	0	0	0
0.988532	0.992404	0	0	0	0	0	0
0.991083	0.986288	0	0	0	0	0	0
0.994686	0.998074	0	0	0	0	0	0
0.978895	0.992336	0	0	0	0	0	0
0.918967	0.874204	0	0	0	0	0	0
0.994758	0.996144	0	0	0	0	0	0
0.974944	0.967847	0	0	0	0	0	0
0.947331	0.963797	0	0	0	0	0	0
0.041245	0.032485	0	0	0	0	0	0
0.090987	0.071729	0	0	0	0	0	0
0.983033	0.98269	0	0	0	0	0	0
0.055071	0.04636	0	0	0	0	0	0
0.985481	0.988558	0	0	0	0	0	0

0.982665	0.957521	0	0	0	0	0	0
0.978814	0.965743	0	0	0	0	0	0
0.079928	0.061492	0	0	0	0	0	0
0.981395	0.954234	0	0	0	0	0	0
0.969617	0.906173	0	0	0	0	0	0
0.808712	0.936517	0	0	0	0	0	0
0.956573	0.965346	0	0	0	0	0	0
0.938578	0.915664	0	0	0	0	0	0
0.982242	0.97289	0	0	0	0	0	0
0.022069	0.013143	0	0	0	0	0	0
0.987474	0.968926	0	0	0	0	0	0
0.979786	0.993936	0	0	0	0	0	0
0.956371	0.96743	0	0	0	0	0	0
0.99787	0.999237	0	0	0	0	0	0
0.995667	0.993044	0	0	0	0	0	0
0.916916	0.926951	0	0	0	0	0	0
0.111165	0.641484	0.41	0	0	0	0	0
0.999048	0.991075	0	0	0	0	0	0
0.998129	0.997887	0	0	0	0	0	0
0.998501	0.998209	0	0	0	0	0	0
0.99824	0.997848	0	0	0	0	0	0
0.024435	0.023472	0	0	0	0	0	0
0.981723	0.990453	0	0	0	0	0	0
0.035613	0.043762	0	0	0	0	0	0
0.975639	0.796652	0.01	0	0	0	0	0
0.97924	0.965364	0	0	0	0	0	0
0.976167	0.967947	0	0	0	0	0	0
0.096718	0.460219	0	0	0	0	0	0
0.879869	0.454115	0.13	0	0	0	0	0
0.970504	0.969466	0	0	0	0	0	0
0.976737	0.966946	0	0	0	0	0	0
0.974571	0.966962	0	0	0	0	0	0
0.960185	0.968175	0	0	0	0	0	0
0.966443	0.97214	0	0	0	0	0	0
0.971378	0.973228	0	0	0	0	0	0
0.972856	0.974728	0	0	0	0	0	0
0.979016	0.98207	0	0	0	0	0	0
0.975931	0.980293	0	0	0	0	0	0
0.975328	0.973668	0	0	0	0	0	0
0.977527	0.966586	0	0	0	0	0	0
0.977468	0.975804	0	0	0	0	0	0
0.984182	0.976256	0	0	0	0	0	0
0.968863	0.98494	0	0	0	0	0	0
0.961076	0.982004	0	0	0	0	0	0
0.967703	0.985953	0	0	0	0	0	0
0.971278	0.967596	0	0	0	0	0	0
0.961956	0.969624	0	0	0	0	0	0

0.973916	0.970595	0	0	0	0	0	0
0.977892	0.974725	0	0	0	0	0	0
0.990481	0.948507	0	0	0	0	0	0
0.989404	0.981518	0	0	0	0	0	0
0.988867	0.866315	0.05	0	0	0	0	0
0.945656	0.971516	0	0	0	0	0	0
0.831262	0.860182	0	0	0	0	0	0
0.785012	0.81433	0	0	0	0	0	0
0.43554	0.730372	0	0	0	0	0	0
0.986831	0.984971	0	0	0	0	0	0
0.976389	0.980528	0	0	0	0	0	0
0.980656	0.983387	0	0	0	0	0	0
0.024615	0.036602	0	0	0	0	0	0
0.99089	0.984997	0	0	0	0	0	0
0.994455	0.954316	0	0	0	0	0	0
0.97872	0.969852	0	0	0	0	0	0
0.084161	0.13064	0	0	0	0	0	0
0.989491	0.676833	0.2	0	0	0	0	0
0.96649	0.955829	0	0	0	0	0	0
0.950657	0.94258	0	0	0	0	0	0
0.976663	0.962757	0	0	0	0	0	0
0.969152	0.961586	0	0	0	0	0	0
0.974319	0.956269	0	0	0	0	0	0
0.979767	0.972261	0	0	0	0	0	0
0.978295	0.974154	0	0	0	0	0	0
0.982609	0.982661	0	0	0	0	0	0
0.084171	0.043248	0	0	0	0	0	0
0.836254	0.936496	0	0	0	0	0	0
0.933772	0.788613	0	0	0	0	0	0
0.765672	0.82191	0	0	0	0	0	0
0.986981	0.975011	0	0	0	0	0	0
0.976538	0.981108	0	0	0	0	0	0
0.265815	0.024392	0.06	0	0	0	0	0
0.980629	0.988881	0	0	0	0	0	0
0.964942	0.980726	0	0	0	0	0	0
0.991037	0.967768	0	0	0	0	0	0
0.979288	0.945313	0	0	0	0	0	0
0.987711	0.982789	0	0	0	0	0	0
0.764109	0.722987	0	0	0	0	0	0
0.989477	0.948799	0	0	0	0	0	0
0.992185	0.96207	0	0	0	0	0	0
0.980405	0.960925	0	0	0	0	0	0
0.992746	0.969945	0	0	0	0	0	0
0.977918	0.973723	0	0	0	0	0	0
0.981995	0.966903	0	0	0	0	0	0
0.996828	0.990811	0	0	0	0	0	0
0.052334	0.153723	0	0	0	0	0	0

0.995588	0.901344	0	0	0	0	0	0
0.995454	0.968981	0	0	0	0	0	0
0.250735	0.38867	0	0	0	0	0	0
0.998091	0.989805	0	0	0	0	0	0
0.997813	0.997699	0	0	0	0	0	0
0.988517	0.99219	0	0	0	0	0	0
0.95855	0.994259	0	0	0	0	0	0
0.198784	0.228918	0	0	0	0	0	0
0.957841	0.977491	0	0	0	0	0	0
0.997332	0.99148	0	0	0	0	0	0
0.996499	0.989918	0	0	0	0	0	0
0.031652	0.055137	0	0	0	0	0	0
0.992367	0.9888	0	0	0	0	0	0
0.973002	0.922612	0	0	0	0	0	0
0.989922	0.942448	0	0	0	0	0	0
0.268105	0.313471	0	0	0	0	0	0
0.983559	0.934603	0	0	0	0	0	0
0.988412	0.974386	0	0	0	0	0	0
0.983834	0.974442	0	0	0	0	0	0
0.988121	0.979937	0	0	0	0	0	0
0.969256	0.981309	0	0	0	0	0	0
0.668528	0.726716	0	0	0	0	0	0
0.077254	0.109175	0	0	0	0	0	0
0.968631	0.968308	0	0	0	0	0	0
0.990197	0.926134	0	0	0	0	0	0
0.880135	0.884949	0	0	0	0	0	0
0.808178	0.789527	0	0	0	0	0	0
0.973068	0.791029	0.02	0	0	0	0	0
0.927102	0.956374	0	0	0	0	0	0
0.96922	0.980645	0	0	0	0	0	0
0.972325	0.985341	0	0	0	0	0	0
0.168381	0.417639	0.08	0	0	0	0	0
0.992716	0.979981	0	0	0	0	0	0
0.998335	0.982771	0	0	0	0	0	0
0.000818	0.004719	0	0	0	0	0	0
0.997503	0.948098	0.02	0	0	0	0	0
0.992726	0.966538	0	0	0	0	0	0
0.995933	0.983981	0	0	0	0	0	0
0.999581	0.999344	0	0	0	0	0	0
0.984165	0.984412	0	0	0	0	0	0
0.970432	0.982787	0	0	10	0	0	0
0.939718	0.888642	0	0	0	0	0	0
0.981511	0.972911	0	0	0	0	0	0
0.990949	0.988262	0	0	0	0	0	0
0.996348	0.993333	0	0	0	0	0	0
0.994541	0.9936	0	0	0	0	0	0
0.996788	0.978723	0	0	0	0	0	0

0.991534	0.995137	0	0	7	0	0	0
0.996096	0.990412	0	0	0	0	0	0
0.979337	0.930419	0	0	0	0	0	0
0.031373	0.02323	0	0	0	0	0	0
0.996425	0.997456	0	0	0	0	0	0
0.700985	0.641945	0	0	0	0	0	0
0.977772	0.882647	0.01	0	0	0	0	0
0.059053	0.280879	0.13	0	0	0	0	0
0.544746	0.537436	0	0	0	0	0	0
0.963265	0.952178	0	0	0	0	0	0
0.956462	0.950648	0	0	0	0	0	0
0.969436	0.961404	0	0	0	0	0	0
0.980704	0.801182	0.03	0	0	0	0	0
0.959676	0.880585	0	0	0	0	0	0
0.818966	0.727397	0	0	0	0	0	0
0.976598	0.907037	0	0	0	0	0	0
0.951426	0.942633	0	0	0	0	0	0
0.991506	0.997192	0	0	0	0	0	0
0.000467	0.002156	0	0	0	0	0	0
0.998575	0.998645	0	0	0	0	0	0
0.998453	0.999001	0	0	0	0	0	0
0.984363	0.992533	0.01	0	0	0	0	0
0.8839	0.913894	0	0	0	0	0	0
0.990947	0.990406	0	4	0	1	6	6
0.988192	0.978736	0	0	0	0	0	0
0.985427	0.961016	0	0	0	0	0	0
0.832014	0.861281	0	0	0	0	1	1
0.975672	0.988438	0	0	0	0	0	0
0.993689	0.994017	0	0	0	0	0	0
0.991085	0.993304	0	0	0	0	0	0
0.990498	0.99184	0	0	0	0	0	0
0.98946	0.992146	0	0	0	0	0	0
0.984802	0.963492	0	0	0	0	0	0
0.993751	0.991064	0	0	0	0	0	1
0.994059	0.991281	0	0	0	0	0	0
0.989186	0.986954	0	0	0	0	0	0
0.992166	0.993715	0	0	0	0	0	0
0.995247	0.993556	0	0	0	0	0	0
0.991646	0.988669	0	0	0	0	0	0
0.991698	0.968087	0	0	0	0	0	0
0.990432	0.988803	0	0	0	0	0	0
0.922619	0.988094	0	0	0	0	0	0
0.98974	0.993058	0	0	0	0	0	0
0.906856	0.986146	0	0	0	0	0	0
0.966928	0.992027	0	0	0	0	0	0
0.988637	0.979397	0	0	0	0	0	0
0.984446	0.990675	0	0	0	0	0	0

0.927993	0.948574	0	0	0	0	0	0
0.994163	0.982006	0	0	0	0	0	0
0.996321	0.995914	0	0	0	0	0	0
0.991516	0.987579	0	0	0	0	0	0
0.999406	0.988597	0	0	0	0	0	0
0.993588	0.996406	0	0	11	11	0	0
0.995014	0.99654	0	5	0	0	0	0
0.939117	0.936326	0	0	0	0	0	0
0.99735	0.991832	0	0	0	28	3	3
0.039345	0.179502	0	0	0	0	0	0
0.988525	0.975615	0	0	0	0	0	0
0.952748	0.901406	0	0	0	0	0	0
0.974356	0.982298	0	0	0	0	0	0
0.512227	0.601945	0	0	0	0	0	0
0.986931	0.983746	0	0	0	0	0	0
0.970226	0.955981	0	0	0	0	0	0
0.943087	0.917871	0	0	0	0	0	0
0.987207	0.980664	0	0	0	0	0	0
0.998222	0.968451	0.01	0	0	3	4	0
0.64681	0.29828	0.25	0	0	0	0	0
0.971123	0.957619	0	0	0	0	0	0
0.97486	0.969194	0	0	0	0	0	0
0.023369	0.053745	0	0	0	0	0	0
0.983167	0.964311	0	0	0	0	0	0
0.987398	0.974037	0	0	0	0	0	0
0.012037	0.033359	0	0	0	0	0	0
0.065199	0.056825	0	0	0	0	0	0
0.990375	0.989909	0	0	0	0	0	0
0.988845	0.945202	0	0	0	0	0	0
0.990721	0.903877	0.01	0	0	0	0	0
0.976098	0.932186	0	0	0	0	0	0
0.939371	0.916651	0	0	0	0	0	0
0.941789	0.361098	0.35	0	0	0	0	0
0.982359	0.969806	0	0	0	0	0	0
0.942223	0.717311	0	0	0	0	0	0
0.9844	0.944211	0	0	0	0	0	0
0.985618	0.927107	0	0	0	0	0	0
0.985798	0.971756	0	0	0	0	0	0
0.02909	0.23468	0	0	0	0	0	0
0.989442	0.97941	0	0	0	0	0	0
0.991174	0.991005	0	0	0	0	0	0
0.990592	0.919471	0	0	0	0	0	0
0.963481	0.639369	0.15	0	0	0	0	0
0.992754	0.988287	0	0	0	0	0	0
0.981674	0.967509	0	0	0	0	0	0
0.988768	0.986016	0	0	0	0	0	0
0.979643	0.901207	0	0	0	0	0	0

0.944485	0.95389	0	0	0	0	0	0
0.996386	0.992704	0	0	0	0	0	0
0.196702	0.161223	0	0	0	0	0	0
0.964544	0.998728	0.01	0	0	0	0	0
0.990429	0.995723	0	0	0	0	0	0
0.994665	0.99786	0	0	0	0	0	0
0.992772	0.99575	0	0	0	0	0	0
0.839394	0.95497	0.04	0	0	0	0	0
0.999097	0.997487	0	0	0	0	0	0
0.997563	0.997313	0	0	0	0	0	0
0.073852	0.025104	0	0	0	0	0	0
0.091354	0.036333	0	0	0	0	0	0
0.076109	0.16149	0	0	0	0	0	0
0.999331	0.994718	0	0	0	0	0	0
0.952595	0.8675	0	0	0	0	0	0
0.597498	0.532521	0	0	0	0	0	0
0.975759	0.994599	0	0	0	0	0	0
0.020978	0.009029	0	0	0	0	0	0
0.021588	0.014895	0	0	0	0	0	0
0.991984	0.97919	0	0	0	0	0	0
0.982216	0.958913	0	0	0	0	0	0
0.991999	0.978445	0	0	0	0	0	0
0.992274	0.980601	0	0	0	0	0	0
0.991887	0.958746	0	0	0	0	0	0
0.990751	0.986299	0	0	0	0	0	0
0.992957	0.993009	0	0	0	0	0	0
0.008035	0.01095	0	0	0	0	0	0
0.991981	0.993226	0	0	0	0	0	0
0.992791	0.996308	0	0	0	0	0	0
0.998098	0.99881	0	0	0	0	0	0
0.998411	0.990913	0	0	0	0	0	0
0.995939	0.988625	0	0	0	0	0	0
0.992724	0.968977	0	0	0	0	0	0
0.992118	0.988902	0	0	0	0	0	0
0.991794	0.977068	0	0	0	0	0	0
0.993369	0.982682	0	0	0	0	0	0
0.983053	0.958411	0	0	0	0	0	0
0.989175	0.952215	0	0	0	0	0	0
0.98619	0.966843	0	0	0	0	0	0
0.994285	0.982501	0	0	0	0	0	0
0.989488	0.961652	0	0	0	0	2	0
0.989492	0.969209	0	0	0	0	0	0
0.993261	0.98533	0	0	0	0	0	0
0.990145	0.975171	0	0	0	0	0	0
0.99106	0.983269	0	0	0	0	0	0
0.992771	0.921813	0.02	0	0	0	0	0
0.993349	0.990981	0	0	0	0	0	0

0.994751	0.993508	0	0	0	0	0	0
0.993298	0.973758	0	0	0	0	0	0
0.993145	0.953408	0	0	0	0	0	0
0.990761	0.932687	0	0	0	0	0	0
0.646924	0.182529	0	0	0	0	0	0
0.980537	0.945321	0	0	0	0	0	0
0.93565	0.896551	0	0	0	0	0	0
0.991849	0.991142	0	0	0	0	0	0
0.034892	0.012512	0	0	0	0	0	0
0.056809	0.051559	0	0	0	0	0	0
0.033811	0.138164	0.04	0	4	0	0	0
0.001723	0.001625	0	0	0	0	0	0
0.999478	0.997195	0	0	0	0	0	0
0.00321	0.001084	0	0	0	0	0	0
0.970541	0.968649	0	0	0	0	0	0
0.977869	0.979144	0	0	0	0	0	0
0.991643	0.98043	0	0	0	0	0	0
0.99108	0.970853	0	0	0	0	0	0
0.989607	0.972309	0	0	0	0	0	0
0.985495	0.959772	0	0	0	0	0	0
0.99533	0.993019	0	0	0	0	0	0
0.888053	0.712402	0.01	0	0	0	0	0
0.975223	0.838154	0.04	0	0	0	0	0
0.991991	0.990031	0	0	0	0	0	0
0.159332	0.396066	0.1	0	0	0	0	0
0.630732	0.806016	0	0	0	0	0	0
0.890161	0.926953	0	0	0	0	0	0
0.960873	0.947909	0	0	0	0	0	0
0.94853	0.962065	0	0	0	0	0	0
0.813677	0.903794	0	0	0	0	0	0
0.135258	0.119348	0	0	0	0	0	0
0.881553	0.186368	0.28	0	0	0	0	0
0.987929	0.98267	0	0	0	0	0	0
0.02634	0.073409	0	0	0	0	0	0
0.988764	0.990588	0	0	0	0	0	0
0.947177	0.926551	0	0	0	0	0	0
0.996291	0.998809	0	0	0	0	0	0
0.013677	0.004318	0	0	0	0	0	0
0.008963	0.024268	0	0	0	0	0	0
0.975291	0.988058	0	0	0	0	0	0
0.975518	0.89153	0.01	0	0	0	0	0
0.99826	0.997844	0	0	0	0	0	0
0.054007	0.240828	0.1	0	0	0	0	0
0.008473	0.04031	0	0	0	0	0	0
0.104184	0.446108	0.25	0	0	0	0	0
0.004161	0.008721	0	0	0	0	0	0
0.998849	0.997139	0	0	0	0	6	6

0.99925	0.999504	0	0	0	0	0	0
0.049025	0.007716	0.02	0	0	0	0	0
0.002196	0.002578	0	0	0	0	0	0
0.172635	0.191568	0	0	0	0	0	0
0.907453	0.897954	0	0	0	0	0	0
0.941201	0.890213	0	0	0	0	0	0
0.993617	0.977155	0	0	0	0	0	0
0.963879	0.971096	0	0	0	0	0	0
0.982739	0.981929	0	0	0	0	0	0
0.937939	0.946499	0	0	0	0	0	0
0.068833	0.054004	0	0	0	0	0	0
0.948863	0.958165	0	0	0	0	0	0
0.996812	0.986049	0	0	0	0	0	0
0.997398	0.981214	0	0	0	0	0	0
0.323316	0.093898	0.1	0	0	0	0	0
0.991021	0.985265	0	0	0	0	0	0
0.582587	0.858042	0.17	0	0	0	0	0
0.597547	0.857971	0.12	0	0	0	0	0
0.579915	0.876349	0.14	0	0	0	0	0
0.586599	0.882025	0.18	0	0	0	0	0
0.619701	0.915207	0.19	0	0	0	0	0
0.964121	0.927375	0	0	0	0	0	0
0.128362	0.036819	0	0	0	3	0	0
0.845412	0.917946	0	0	0	0	0	0
0.680287	0.70567	0	0	0	0	0	0
0.908391	0.708347	0.13	0	0	0	0	0
0.978012	0.949018	0	0	0	0	0	0
0.03825	0.051423	0	0	0	0	0	0
0.956245	0.940177	0	0	0	0	0	0
0.315732	0.167091	0	0	0	0	0	0
0.002366	0.036691	0	0	0	0	0	0
0.002299	0.010296	0	0	0	0	0	0
0.994741	0.986933	0	0	0	0	0	0
0.060513	0.044634	0	0	0	0	0	0
0.406247	0.446411	0	0	0	0	0	0
0.194539	0.583743	0.25	0	0	0	0	0
0.024672	0.255462	0.09	0	0	0	0	0
0.993372	0.866527	0.04	0	0	0	0	0
0.99119	0.987498	0	0	0	0	0	0
0.953366	0.984755	0	0	0	0	0	0
0.995824	0.973096	0	0	0	0	0	0
0.62608	0.29267	0.15	0	0	0	0	0
0.99723	0.998587	0	0	0	0	0	0
0.998387	0.999124	0	0	0	0	0	0
0.997593	0.998033	0	0	0	0	0	0
0.997342	0.998668	0	0	0	0	0	0
0.194103	0.428696	0.07	0	0	0	0	0

0.38577	0.656633	0.09	0	0	0	0	0
0.962359	0.936921	0	0	0	0	0	0
0.959472	0.951432	0	0	0	0	0	0
0.98027	0.974481	0	0	0	0	0	0
0.98237	0.966846	0	0	0	0	0	0
0.980594	0.9165	0	0	0	0	0	0
0.041041	0.050654	0	0	0	0	0	0
0.975092	0.948866	0	0	0	0	0	0
0.976082	0.944755	0	0	0	0	0	0
0.983272	0.966102	0	0	0	0	0	0
0.983654	0.968427	0	0	0	0	0	0
0.985127	0.969775	0	0	0	0	0	0
0.987312	0.981103	0	0	0	0	0	0
0.981914	0.983419	0	0	0	0	0	0
0.97461	0.943829	0	0	0	0	0	0
0.990421	0.975469	0	0	0	0	0	0
0.993711	0.990237	0	0	0	0	0	0
0.991421	0.995371	0	0	0	0	0	0
0.994152	0.977581	0	0	0	0	0	0
0.991699	0.986841	0	0	0	0	0	0
0.992284	0.983559	0	0	0	0	0	0
0.993533	0.990058	0	0	0	0	0	0
0.998453	0.999029	0	0	0	0	0	0
0.998179	0.998961	0	0	0	0	0	0
0.998425	0.997376	0	0	0	0	0	0
0.002351	0.001182	0	0	0	0	0	0
0.995486	0.989681	0	0	0	0	0	0
0.022261	0.009693	0	0	0	0	0	0
0.010279	0.003434	0	0	0	0	0	0
0.993986	0.96588	0	1	0	0	0	0
0.993586	0.996752	0	0	0	0	0	0
0.996345	0.998817	0	0	0	0	0	0
0.994181	0.998736	0	0	0	0	0	0
0.988816	0.962882	0	0	0	0	0	0
0.000772	0.001153	0	0	0	0	0	0
0.988741	0.987853	0	0	0	0	0	0
0.988103	0.969817	0	0	0	0	0	0
0.984555	0.938364	0	0	0	0	0	0
0.98581	0.985624	0	0	0	0	0	0
0.976772	0.869039	0	0	0	0	0	0
0.987595	0.970002	0	0	0	0	0	0
0.976373	0.957643	0	0	0	0	0	0
0.987123	0.976315	0	0	0	0	0	0
0.93125	0.902031	0	0	0	0	0	0
0.939533	0.952335	0	0	0	3	0	0
0.953906	0.984353	0	0	0	0	0	0
0.941258	0.944555	0	0	0	0	0	0

0.068327	0.106557	0	0	0	0	0	0
0.161592	0.022368	0	0	0	0	0	0
0.935842	0.89126	0	0	0	0	0	0
0.946452	0.964086	0	0	0	0	0	0
0.956306	0.956201	0	0	0	0	0	0
0.954142	0.911892	0	0	0	0	0	0
0.965962	0.939609	0	0	0	0	0	0
0.967131	0.964016	0	0	0	0	0	0
0.975348	0.97321	0	0	0	0	0	0
0.04857	0.139499	0	0	0	0	0	0
0.951704	0.932569	0	0	0	0	0	0
0.973179	0.955637	0	0	0	0	0	0
0.02832	0.057965	0	0	0	0	0	0
0.943286	0.965712	0	0	0	0	0	0
0.968847	0.959049	0	0	0	0	0	0
0.98156	0.96505	0	0	0	0	0	0
0.984544	0.971328	0	0	0	0	0	0
0.987003	0.950616	0	0	0	0	0	0
0.99078	0.954036	0	0	0	0	0	0
0.022152	0.044105	0	0	0	0	0	0
0.980983	0.966019	0	0	0	0	0	0
0.993907	0.984671	0	0	0	0	0	0
0.994981	0.988242	0	0	0	0	0	0
0.821156	0.933671	0.02	0	0	0	0	0
0.989722	0.96825	0	0	0	0	0	0
0.997446	0.997248	0	0	0	0	0	0
0.99709	0.997018	0	0	0	0	0	0
0.962943	0.954191	0	0	0	0	0	0
0.991376	0.974332	0	0	0	0	0	0
0.989737	0.977923	0	0	0	0	0	0
0.914882	0.926226	0	0	0	0	0	0
0.199422	0.258567	0	0	0	0	0	0
0.99061	0.959833	0	0	0	0	0	0
0.963083	0.933941	0	0	0	0	0	0
0.974042	0.947025	0	0	0	0	0	0
0.980741	0.967472	0	0	0	0	0	0
0.979753	0.969003	0	0	0	0	0	0
0.031583	0.069205	0	0	0	0	0	0
0.97545	0.968839	0	0	0	0	0	0
0.772899	0.444543	0	0	0	0	0	0
0.976698	0.966628	0	0	0	0	0	0
0.98944	0.965791	0	0	0	0	0	0
0.989225	0.975133	0	0	0	0	0	0
0.982242	0.929332	0	0	0	0	0	0
0.972903	0.937207	0	0	0	0	0	0
0.984591	0.954752	0	0	0	0	0	0
0.985539	0.949283	0	0	0	0	0	0

0.982792	0.964995	0	0	0	0	0	0
0.984964	0.948119	0	0	0	0	0	0
0.026735	0.128278	0	0	0	0	0	0
0.019522	0.052531	0	0	0	0	0	0
0.990211	0.980462	0	0	0	0	0	0
0.01803	0.080322	0	0	0	0	0	0
0.020549	0.014269	0	0	0	0	0	0
0.994789	0.993006	0	0	0	0	0	0
0.007582	0.008248	0	0	0	0	0	0
0.013886	0.045403	0	0	0	0	0	0
0.065481	0.094236	0	0	0	0	0	0
0.985593	0.965517	0	0	0	0	0	0
0.346703	0.158854	0	0	0	0	0	0
0.496936	0.345902	0	0	0	0	0	0
0.936209	0.906063	0	0	0	0	0	0
0.991974	0.920914	0.02	0	0	0	0	0
0.954115	0.982918	0	0	0	0	0	0
0.952359	0.986439	0	0	0	0	0	0
0.959619	0.975638	0	0	0	0	0	0
0.060049	0.070778	0	0	0	0	0	0
0.939253	0.979818	0	0	0	0	0	0
0.996298	0.957302	0	0	0	0	0	0
0.989187	0.910213	0.01	0	0	0	0	0
0.988914	0.979131	0	0	0	0	0	0
0.995098	0.977328	0	0	0	0	0	0
0.985996	0.973466	0	0	0	0	0	0
0.989008	0.979633	0	0	0	0	0	0
0.980956	0.829098	0.03	6	0	0	0	0
0.982119	0.807968	0.06	0	0	0	0	0
0.097675	0.052023	0	0	0	0	0	0
0.10775	0.050583	0	0	0	0	0	0
0.946816	0.958949	0	0	0	0	0	0
0.970811	0.934525	0	0	0	0	0	0
0.976481	0.963092	0	0	0	0	0	0
0.980634	0.939342	0	0	0	0	0	0
0.113632	0.16493	0	0	0	0	0	0
0.981895	0.939726	0	0	0	0	0	0
0.983155	0.884566	0	0	0	0	0	0
0.986125	0.986197	0	0	0	0	0	0
0.99086	0.918489	0.01	0	0	0	0	0
0.989831	0.981706	0	0	0	0	0	0
0.972966	0.955467	0	0	0	0	0	0
0.980272	0.951503	0	0	0	0	0	0
0.989572	0.991078	0	0	0	0	0	0
0.979637	0.992962	0	0	0	0	0	0
0.051266	0.017615	0	0	0	0	0	0
0.074836	0.053354	0	0	0	0	0	0

0.045576	0.062126	0	0	0	0	0	0
0.062496	0.053874	0	0	0	0	0	0
0.976915	0.939432	0	0	0	0	0	0
0.926221	0.891492	0	0	0	0	0	0
0.983749	0.973221	0	0	0	0	0	0
0.936732	0.947829	0	0	0	0	0	0
0.94689	0.951101	0	0	0	0	0	0
0.959274	0.969038	0	0	0	0	0	0
0.985879	0.972937	0	0	0	0	0	0
0.061056	0.048505	0	0	0	0	0	0
0.987131	0.96688	0	0	0	0	0	0
0.994476	0.992479	0	0	0	0	0	0
0.995894	0.913159	0.02	0	0	0	0	0
0.996045	0.982472	0	0	0	0	0	0
0.987559	0.981903	0	0	0	0	0	0
0.993398	0.983829	0	0	0	0	0	0
0.996163	0.798754	0.05	0	0	0	0	0
0.99178	0.628333	0.26	0	0	0	0	0
0.1738	0.088579	0	0	0	0	0	0
0.165331	0.06249	0	0	0	5	0	0
0.01016	0.0125	0	0	0	0	0	0
0.928002	0.699679	0.11	0	0	0	0	0
0.993231	0.980533	0	0	0	0	0	0
0.006811	0.004407	0	0	0	0	0	0
0.996239	0.990548	0	0	0	0	0	0
0.009802	0.021524	0	0	0	0	0	0
0.996239	0.894285	0	0	0	0	0	0
0.995616	0.964822	0	0	0	0	0	0
0.992398	0.941351	0	0	0	0	0	0
0.986991	0.975929	0	0	0	0	0	0
0.978478	0.975415	0	0	0	0	0	0
0.998036	0.995824	0	0	0	0	0	0
0.804047	0.751944	0	0	0	0	0	0
0.9907	0.980452	0	0	0	0	0	0
0.990006	0.973482	0	0	0	0	0	0
0.989707	0.957552	0	0	0	0	0	0
0.919276	0.85838	0	0	0	0	0	0
0.987215	0.946101	0	0	0	0	0	0
0.990963	0.993067	0	0	0	0	0	0
0.987075	0.99444	0	0	0	0	0	0
0.979317	0.988651	0	0	0	0	0	0
0.986545	0.990604	0	0	0	0	0	0
0.98197	0.994009	0	0	0	0	0	0
0.978416	0.99388	0	0	0	0	0	0
0.979217	0.963104	0	0	0	0	0	0
0.990208	0.994837	0	0	0	0	0	0
0.981163	0.977031	0	0	0	0	0	0

0.988357	0.991351	0	0	0	0	0	0
0.999053	0.999622	0	0	0	0	0	0
0.999057	0.999535	0	0	0	0	0	0
0.997159	0.994747	0	0	0	0	0	0
0.998126	0.99634	0	0	0	0	0	0
0.99309	0.991674	0	0	0	0	0	0
0.990801	0.701487	0.22	0	0	0	0	0
0.995599	0.99655	0	0	0	0	0	0
0.957508	0.944377	0	0	0	0	0	0
0.944936	0.934273	0	0	0	0	0	0
0.966221	0.98643	0	0	0	0	0	0
0.906066	0.574341	0	0	0	0	0	0
0.964062	0.976154	0	0	0	0	0	0
0.932867	0.936037	0	0	0	0	0	0
0.997949	0.995561	0	0	0	0	0	0
0.995569	0.991941	0	0	0	0	0	0
0.978301	0.957969	0	0	7	0	0	0
0.989619	0.985202	0	0	0	0	0	0
0.996835	0.995512	0	0	0	0	0	0
0.993863	0.978807	0	0	0	0	0	0
0.995004	0.99292	0	0	0	0	0	0
0.057755	0.08517	0	0	0	0	0	0
0.997238	0.995938	0	0	0	0	0	0
0.023183	0.004618	0	0	0	0	0	0
0.996426	0.998849	0	0	0	0	0	0
0.004579	0.010305	0	0	0	0	0	0
0.997881	0.993711	0	0	0	0	0	0
0.059947	0.054267	0	0	0	0	0	0
0.994949	0.975326	0	0	0	0	0	0
0.942622	0.948467	0	0	0	0	0	0
0.955852	0.927503	0	0	0	0	0	0
0.963603	0.947621	0	0	0	0	0	0
0.955309	0.93855	0	0	0	0	0	0
0.963427	0.956685	0	0	0	0	0	0
0.946397	0.949861	0	0	0	0	0	0
0.967796	0.968409	0	0	0	0	0	0
0.971304	0.9641	0	0	0	0	0	0
0.046428	0.043383	0	0	0	0	0	0
0.978607	0.984374	0	0	0	0	0	0
0.041678	0.07298	0	0	0	0	0	0
0.984415	0.973523	0	0	0	0	0	0
0.961821	0.990426	0	0	0	0	0	0
0.987833	0.872945	0.02	0	0	0	0	0
0.10653	0.243938	0	0	0	0	0	0
0.954335	0.991588	0	0	0	0	0	0
0.989817	0.995651	0	0	0	0	0	0
0.967122	0.935985	0	0	0	0	0	0

0.969742	0.938546	0	0	0	0	0	0
0.975171	0.950497	0	0	0	0	0	0
0.971391	0.93459	0	0	0	0	0	0
0.970178	0.941155	0	0	0	0	0	0
0.971958	0.831277	0	0	0	0	0	0
0.006654	0.019803	0	0	0	0	0	0
0.017459	0.026072	0	0	0	0	0	0
0.963468	0.926827	0	0	0	0	0	0
0.963651	0.823802	0.08	0	0	0	0	0
0.996154	0.99876	0	0	0	0	0	0
0.946989	0.654884	0.17	0	0	0	0	0
0.950296	0.700796	0.13	0	0	0	0	0
0.996555	0.997493	0	0	0	0	0	0
0.997984	0.996294	0	0	0	0	0	0
0.987954	0.999412	0	0	0	0	0	0
0.992652	0.997828	0	0	0	0	0	0
0.995296	0.994063	0	0	0	0	0	0
0.990549	0.988439	0	0	0	0	0	0
0.993865	0.993667	0	0	0	0	0	0
0.991831	0.987136	0	0	0	0	0	0
0.994422	0.993606	0	0	0	0	0	0
0.995397	0.994297	0	0	0	0	0	0
0.992848	0.995627	0	0	0	0	0	0
0.980845	0.984831	0	0	0	0	0	0
0.021769	0.02149	0	0	0	0	0	0
0.997154	0.990845	0	0	0	0	0	0
0.994294	0.983967	0	0	0	0	0	0
0.572484	0.955581	0.24	0	0	0	0	0
0.99682	0.974122	0	0	0	0	0	0
0.997051	0.997711	0	0	0	0	0	0
0.961344	0.981657	0	0	0	0	0	0
0.951194	0.897849	0	0	0	0	0	0
0.977793	0.921722	0	0	0	0	0	0
0.02331	0.118473	0	0	0	0	0	0
0.942901	0.954434	0	0	5	0	0	0
0.999359	0.995173	0	0	0	0	0	0
0.005326	0.003751	0	0	0	0	0	0
0.725206	0.376616	0	0	6	0	0	0
0.965017	0.979265	0	0	0	0	0	0
0.960327	0.935402	0	0	0	0	0	0
0.990828	0.981442	0	0	0	0	0	0
0.985613	0.985217	0	0	0	0	0	0
0.019821	0.030069	0	0	0	1	0	0
0.989956	0.968447	0	0	0	0	0	0
0.986149	0.975908	0	0	0	0	0	0
0.996244	0.989463	0	0	0	0	0	0
0.988874	0.731667	0.16	0	0	0	12	0

0.968368	0.939276	0	0	0	0	0	0
0.995077	0.982253	0	0	0	0	0	0
0.997025	0.995956	0	0	0	0	0	0
0.994593	0.99034	0	0	0	0	0	0
0.995139	0.995508	0	0	0	0	0	0
0.997347	0.997144	0	0	0	0	0	0
0.998958	0.99918	0	0	0	0	0	0
0.998881	0.998958	0	0	0	0	0	0
0.999016	0.998364	0	0	0	0	0	0
0.999027	0.998451	0	0	0	0	0	0
0.999007	0.998415	0	0	0	0	0	0
0.998909	0.998331	0	0	0	0	0	0
0.997358	0.998178	0	0	0	0	0	0
0.997505	0.998218	0	0	0	0	0	0
0.996588	0.998409	0	0	0	0	0	0
0.997647	0.999316	0	0	0	0	0	0
0.998689	0.998914	0	0	0	0	0	0
0.997454	0.99937	0	0	0	0	0	0
0.99824	0.999334	0	0	0	0	0	0
0.998334	0.999424	0	0	0	0	0	0
0.998342	0.999061	0	0	0	0	0	0
0.997223	0.999242	0	0	0	0	0	0
0.994013	0.930308	0.03	0	0	0	0	0
0.996405	0.999172	0	0	0	0	0	0
0.874457	0.491124	0.23	0	0	6	0	0
0.998002	0.998897	0	0	0	5	0	0
0.998187	0.813625	0.13	0	0	0	0	0
0.998008	0.997737	0	0	0	0	0	0
0.998445	0.997849	0	0	0	0	0	0
0.998908	0.998554	0	0	0	0	0	0
0.99892	0.998789	0	0	0	0	0	0
0.998884	0.998826	0	0	0	0	0	0
0.998814	0.998898	0	0	0	0	0	0
0.998957	0.998922	0	0	0	0	0	0
0.999698	0.999542	0	0	0	0	0	0
0.027326	0.008161	0	0	0	0	0	0
0.989112	0.989026	0	0	0	0	0	0
0.989215	0.990975	0	0	0	0	0	0
0.990106	0.99278	0	0	0	0	0	0
0.987727	0.946241	0	0	0	0	0	0
0.995674	0.988161	0	0	0	0	0	0
0.996662	0.98804	0	0	0	0	0	0
0.994543	0.990924	0	0	0	0	0	0
0.996778	0.999198	0	0	0	0	0	0
0.995231	0.994374	0	0	0	0	0	0
0.007509	0.026771	0	0	0	0	0	0
0.982385	0.984656	0	0	0	0	0	0

0.967695	0.975142	0	0	0	0	0	0
0.001601	0.000559	0	0	0	0	0	0
0.806059	0.635469	0	0	0	0	0	0
0.006929	0.009122	0	0	0	0	0	0
0.989256	0.991306	0	0	0	0	0	0
0.996061	0.995947	0	0	0	0	0	0
0.995307	0.996417	0	0	0	0	0	0
0.899132	0.731008	0.05	0	0	0	0	0
0.900926	0.753605	0.02	0	0	0	0	0
0.956663	0.893946	0	0	0	0	0	0
0.949622	0.932837	0	0	0	0	0	0
0.945945	0.95397	0	0	0	0	0	0
0.953076	0.881048	0	0	0	0	0	0
0.714636	0.486136	0	0	0	0	0	0
0.96383	0.882599	0	0	0	0	0	0
0.940224	0.94479	0	0	0	0	0	0
0.95928	0.948301	0	0	0	0	0	0
0.964966	0.955372	0	0	0	0	0	0
0.029487	0.113944	0.04	0	0	0	0	0
0.028081	0.018764	0	0	0	0	0	0
0.998662	0.997224	0	0	0	0	0	0
0.964151	0.953052	0	0	0	0	0	0
0.961141	0.95449	0	0	0	0	0	0
0.971335	0.963148	0	0	0	0	0	0
0.967546	0.957155	0	0	0	0	0	0
0.987949	0.983764	0	0	0	0	0	0
0.99437	0.992556	0	0	0	0	0	0
0.002385	0.001255	0	0	0	0	0	0
0.850005	0.773411	0	0	3	0	0	0
0.676081	0.502063	0	0	0	0	0	0
0.978813	0.964442	0	0	0	0	0	0
0.980977	0.979691	0	0	0	0	0	0
0.044506	0.031993	0	0	0	0	0	0
0.926176	0.92447	0	0	0	0	0	0
0.165765	0.340834	0	0	0	0	0	0
0.309442	0.285742	0	0	0	0	0	0
0.993517	0.720596	0.2	0	0	0	0	0
0.994526	0.643077	0.26	0	0	0	5	0
0.986184	0.950408	0	0	0	0	0	0
0.987263	0.956147	0	0	0	0	0	0
0.029944	0.053515	0	0	0	0	0	0
0.992145	0.975475	0	0	0	0	0	0
0.952885	0.986894	0	0	0	0	0	0
0.98803	0.994535	0	0	0	0	0	0
0.989204	0.994295	0	0	0	0	0	0
0.989768	0.994147	0	0	0	0	0	0
0.984552	0.967087	0	0	0	0	0	0

0.979814	0.98801	0	0	0	0	0	0
0.980966	0.987738	0	0	0	0	0	0
0.943823	0.910105	0	0	0	0	0	0
0.9727	0.938903	0	0	0	0	0	0
0.73699	0.911186	0.04	0	0	0	0	0
0.040631	0.061008	0	0	0	0	0	0
0.984355	0.985098	0	0	0	0	0	0
0.954963	0.976918	0	0	0	0	0	0
0.957764	0.970017	0	0	0	0	0	0
0.997945	0.991881	0	0	0	0	0	0
0.967134	0.877179	0	0	0	0	0	0
0.978275	0.987334	0	0	0	0	0	0
0.28835	0.102272	0.05	0	0	0	0	0
0.987611	0.807765	0.06	0	0	0	0	0
0.986573	0.762969	0.12	0	0	0	0	0
0.986236	0.980309	0	0	0	0	0	0
0.981975	0.966329	0	0	0	0	0	0
0.042585	0.029077	0	0	0	0	0	0
0.992843	0.993374	0	0	0	0	0	0
0.015366	0.045849	0	0	0	0	0	0
0.991121	0.981211	0	0	0	0	0	0
0.010426	0.009205	0	0	0	0	0	0
0.985321	0.991336	0	0	0	0	0	0
0.986755	0.996419	0	0	0	0	0	0
0.020154	0.013215	0	0	0	0	0	0
0.994126	0.996783	0	0	0	0	0	0
0.959904	0.98723	0	0	0	0	0	0
0.996473	0.994427	0	0	0	0	0	0
0.747139	0.458064	0.21	0	0	0	0	0
0.987966	0.830682	0.08	0	0	0	0	0
0.990567	0.9229	0	0	0	0	0	0
0.996094	0.982496	0	0	0	0	0	0
0.00959	0.029853	0	0	0	0	0	0
0.997559	0.995781	0	0	0	0	0	0
0.996435	0.995919	0	0	0	0	0	0
0.998115	0.989327	0	0	0	0	0	0
0.823365	0.874273	0	0	0	0	0	0
0.003804	0.005248	0	0	0	0	0	0
0.997027	0.989415	0	0	0	0	0	0
0.994095	0.98371	0	0	0	0	0	0
0.996359	0.99076	0	0	0	0	0	0
0.003813	0.00458	0	0	0	0	0	0
0.998791	0.997553	0	0	0	0	0	0
0.002773	0.006381	0	0	0	0	0	0
0.996987	0.996188	0	0	0	0	0	0
0.981528	0.993523	0	0	0	0	0	0
0.996631	0.991543	0	0	0	0	0	0

0.997704	0.992858	0	0	0	0	0	0
0.93065	0.893099	0	0	0	0	0	0
0.998336	0.996611	0	0	0	0	0	0
0.982212	0.994339	0	0	0	0	0	0
0.978891	0.988348	0	0	0	0	0	0
0.967966	0.989572	0	0	0	0	0	0
0.982108	0.985378	0	0	0	0	0	0
0.976816	0.977201	0	0	0	0	0	0
0.997517	0.990888	0	0	0	0	0	0
0.996967	0.990876	0	0	0	0	0	0
0.991798	0.922473	0	0	0	0	0	0
0.996	0.980289	0	0	0	0	0	0
0.998156	0.998126	0	0	0	0	0	0
0.998704	0.99868	0	0	0	0	0	0
0.995942	0.981085	0	0	0	0	0	0
0.998657	0.999225	0	0	0	0	0	0
0.993513	0.990476	0	0	0	0	0	0
0.005952	0.009668	0	0	0	0	0	0
0.002462	0.004105	0	0	0	0	0	0
0.002731	0.002916	0	0	0	0	0	0
0.996434	0.99693	0	0	0	0	0	0
0.996217	0.99229	0	0	0	0	0	0
0.996267	0.997446	0	0	0	0	0	0
0.965	0.990201	0	0	0	0	0	0
0.023061	0.010159	0	0	0	0	0	0
0.00348	0.01154	0	0	0	0	0	0
0.978071	0.997206	0	0	0	0	0	0
0.944471	0.932092	0	0	0	0	0	0
0.92513	0.980421	0	0	0	0	0	0
0.95597	0.980291	0	0	0	0	0	0
0.944966	0.433542	0.25	0	0	0	0	0
0.93211	0.98741	0	0	0	0	0	0
0.964501	0.94853	0	0	0	0	0	0
0.963899	0.943947	0	0	0	0	0	0
0.000999	0.0032	0	0	0	0	0	0
0.999265	0.998649	0	0	3	3	0	0
0.998111	0.994568	0	0	0	0	0	0
0.959148	0.986064	0	0	0	0	0	0
0.993	0.98453	0	0	0	0	0	0
0.996432	0.982341	0	0	0	0	0	0
0.788891	0.396441	0.2	0	0	0	0	0
0.956526	0.950483	0	0	0	0	0	0
0.983101	0.805746	0.01	0	0	0	1	1
0.019486	0.098359	0	0	0	0	0	0
0.985173	0.983998	0	0	0	0	0	0
0.983981	0.984337	0	0	0	0	0	0
0.994066	0.994633	0	0	0	0	0	0

0.99479	0.994603	0	0	0	0	8	0
0.979295	0.931817	0	0	5	0	0	0
0.991584	0.978941	0	0	0	0	0	0
0.142932	0.139673	0	0	0	0	0	0
0.996995	0.93643	0.01	0	0	0	0	0
0.998448	0.998234	0	0	0	0	0	0
0.996862	0.994756	0	0	0	0	0	0
0.383402	0.373061	0	0	0	0	0	0
0.479064	0.664105	0.05	0	3	1	0	0
0.121929	0.090384	0	0	0	0	0	0
0.946307	0.944774	0	0	0	0	0	0
0.95687	0.941278	0	0	0	0	0	0
0.962258	0.888149	0	0	0	0	0	0
0.071959	0.054032	0	0	0	0	0	0
0.94744	0.965666	0	0	0	0	0	0
0.063715	0.044355	0	0	0	0	0	0
0.966396	0.988675	0	0	0	0	0	0
0.06897	0.012106	0	0	0	0	0	0
0.951194	0.987537	0	0	0	0	0	0
0.948209	0.98764	0	0	0	0	0	0
0.918315	0.924531	0	0	0	0	0	0
0.941898	0.987342	0	0	0	0	0	0
0.100171	0.035431	0	0	0	0	0	0
0.398965	0.151533	0.06	0	0	0	0	0
0.962461	0.978849	0	0	0	0	0	0
0.958427	0.986971	0	0	0	0	0	0
0.878654	0.967007	0	0	0	0	0	0
0.96711	0.949488	0	0	0	0	0	0
0.990356	0.846543	0.03	0	0	0	0	0
0.882504	0.867232	0	0	0	0	0	0
0.86057	0.684044	0	0	0	0	0	0
0.868267	0.74525	0	0	0	0	0	0
0.057321	0.142831	0	0	0	0	0	0
0.838117	0.87287	0	0	0	0	0	0
0.059712	0.095585	0	0	0	0	0	0
0.067499	0.173812	0	0	0	0	0	0
0.12518	0.193569	0	0	0	0	0	0
0.398725	0.43964	0	0	0	0	0	0
0.301614	0.207659	0	0	0	0	0	0
0.218782	0.470571	0.04	0	0	0	0	0
0.070545	0.104956	0	0	0	0	0	0
0.945747	0.948656	0	0	0	0	0	0
0.955625	0.946462	0	0	0	0	0	0
0.992818	0.988326	0	0	0	0	0	0
0.987789	0.941893	0	0	0	0	0	0
0.037458	0.139765	0	0	0	0	0	0
0.925861	0.865671	0	0	0	0	0	0

0.987222	0.98301	0	0	0	0	0	0
0.996964	0.998754	0	0	0	0	0	0
0.071611	0.098907	0	0	0	0	0	0
0.108341	0.135349	0	0	0	0	0	0
0.978815	0.970803	0	0	0	0	0	0
0.969311	0.961305	0	0	0	0	0	0
0.998638	0.997395	0	0	0	0	0	0
0.006925	0.023726	0	0	0	0	0	0
0.421127	0.580763	0	0	0	0	0	0
0.993982	0.976098	0	0	0	0	0	0
0.890357	0.926266	0	0	0	0	0	0
0.994966	0.995642	0	0	0	0	0	0
0.986597	0.990418	0	0	0	0	0	0
0.007753	0.004454	0	0	0	0	0	0
0.007269	0.00317	0	0	0	0	0	0
0.009562	0.008462	0	0	0	0	0	0
0.993615	0.994273	0	0	0	0	0	0
0.968783	0.969323	0	0	0	0	0	0
0.990793	0.99249	0	0	0	0	0	0
0.991626	0.995066	0	0	0	0	0	0
0.991066	0.983182	0	0	0	0	0	0
0.398372	0.718129	0	0	0	0	0	0
0.394244	0.240704	0	0	0	0	0	0
0.997207	0.975706	0.02	0	0	0	0	0
0.997237	0.99735	0	0	0	0	0	0
0.989074	0.987178	0	0	0	0	0	0
0.984559	0.993352	0	0	0	0	0	0
0.987768	0.993767	0	0	0	0	0	0
0.995271	0.996909	0	0	0	0	0	0
0.994008	0.98429	0	0	0	0	0	0
0.985763	0.979033	0	0	0	0	0	0
0.961603	0.955337	0	0	0	0	0	0
0.970026	0.954623	0	0	0	0	0	0
0.966975	0.935891	0	0	0	0	0	0
0.962318	0.942949	0	0	0	0	0	0
0.147413	0.045207	0	0	0	0	0	0
0.962633	0.936324	0	0	0	0	0	0
0.858585	0.671193	0	0	0	0	0	0
0.933811	0.939775	0	0	0	0	0	0
0.980895	0.976377	0	0	0	0	0	0
0.992593	0.996894	0	0	0	0	0	0
0.995933	0.995368	0	0	0	0	0	0
0.994483	0.989135	0	0	0	0	0	0
0.995756	0.993913	0	0	0	0	0	0
0.975094	0.933207	0	0	0	0	1	1
0.98148	0.969852	0	0	0	0	0	0
0.004179	0.005518	0	0	0	0	0	0

0.996476	0.996635	0	0	0	0	0	0
0.994178	0.990325	0	0	0	0	0	0
0.008452	0.01479	0	0	0	0	0	0
0.882622	0.907456	0	0	0	0	0	0
0.997977	0.985324	0	0	0	0	0	0
0.998322	0.994008	0	0	0	0	0	0
0.997817	0.988094	0	0	0	0	0	0
0.998148	0.99502	0	0	0	0	0	0
0.99531	0.995769	0	0	0	0	0	0
0.998732	0.998769	0	0	0	0	0	0
0.993249	0.978367	0	0	0	0	0	0
0.994756	0.994185	0	0	0	0	0	0
0.979043	0.988885	0	0	0	0	0	0
0.985915	0.995549	0	0	0	0	0	0
0.982067	0.99451	0	0	0	0	0	0
0.953796	0.986835	0	0	0	0	0	0
0.98196	0.698816	0.06	0	0	0	0	0
0.989479	0.997699	0	0	0	0	0	0
0.879808	0.967207	0.02	0	0	0	0	0
0.990343	0.936126	0	0	0	0	0	0
0.023531	0.011492	0	0	0	0	0	0
0.971944	0.956424	0	0	0	0	0	0
0.999392	0.999432	0	0	0	0	0	0
0.968119	0.955489	0	0	0	0	0	0
0.057291	0.105922	0	0	0	0	0	0
0.051185	0.191501	0	0	0	0	0	0
0.862482	0.578959	0.11	0	0	0	0	0
0.992066	0.978255	0	0	0	0	0	0
0.989508	0.967941	0	0	0	0	0	0
0.988469	0.981527	0	0	0	0	0	0
0.993574	0.463867	0.43	0	0	0	0	0
0.978358	0.992022	0	0	0	0	0	0
0.050894	0.045414	0	0	0	0	0	0
0.042032	0.011085	0	0	0	0	0	0
0.987792	0.990037	0	0	0	0	0	0
0.982492	0.990717	0	0	0	0	0	0
0.088597	0.047992	0	0	0	0	0	0
0.988761	0.976507	0	0	0	0	0	0
0.989067	0.933753	0	0	0	0	0	0
0.986484	0.987145	0	0	0	0	0	0
0.986336	0.989038	0	0	0	0	0	0
0.010979	0.009857	0	0	0	0	0	0
0.992497	0.994514	0	0	0	0	0	0
0.990475	0.996441	0	0	0	0	0	0
0.010886	0.010732	0	0	0	0	0	0
0.973415	0.987856	0	0	0	0	0	0
0.95459	0.844956	0	0	0	0	0	0

0.032645	0.343023	0.1	0	0	0	0	0
0.989705	0.981038	0	0	0	0	0	0
0.990454	0.98897	0	0	0	0	0	0
0.994865	0.993543	0	0	0	0	0	0
0.994573	0.996988	0	0	0	0	0	0
0.991261	0.984844	0	0	0	0	0	0
0.993483	0.996866	0	0	0	0	0	0
0.995335	0.98937	0	0	0	0	0	0
0.936422	0.941008	0	0	0	0	0	0
0.244674	0.353039	0.04	0	0	0	0	0
0.952624	0.970998	0	0	0	0	0	0
0.993016	0.996655	0	0	0	0	0	0
0.988722	0.982297	0	0	0	0	0	0
0.996656	0.979727	0	0	0	0	0	0
0.997946	0.996236	0	0	0	0	0	0
0.015751	0.070376	0	0	0	0	0	0
0.990328	0.969748	0	0	0	0	0	0
0.967139	0.925277	0	0	0	0	0	0
0.982574	0.939798	0	0	0	0	0	0
0.984056	0.93788	0	0	0	0	0	0
0.836579	0.654496	0.07	0	0	0	0	0
0.928667	0.903769	0	0	0	0	0	0
0.992859	0.989756	0	0	0	0	0	0
0.963236	0.986279	0	0	0	0	0	0
0.980474	0.987071	0	0	0	0	0	0
0.98215	0.990764	0	0	0	0	0	0
0.076574	0.057371	0	0	0	0	0	0
0.958659	0.914706	0	0	0	0	0	0
0.985408	0.886281	0	0	0	0	0	0
0.957698	0.972775	0	0	0	0	0	0
0.971359	0.989476	0	0	0	0	0	0
0.947006	0.877579	0.01	0	0	0	0	0
0.99422	0.988739	0	0	0	0	0	0
0.994386	0.97132	0	0	0	0	0	0
0.06639	0.09768	0	0	0	0	0	0
0.989027	0.995925	0	0	0	0	0	0
0.995479	0.997661	0	0	0	0	0	0
0.985997	0.986469	0	0	0	0	0	0
0.974082	0.97971	0	0	0	0	0	0
0.897547	0.806852	0	0	0	0	0	0
0.975133	0.974448	0	0	0	0	0	0
0.974917	0.948703	0	0	0	0	0	0
0.942972	0.98432	0	0	0	0	0	0
0.977765	0.987982	0	0	0	0	0	0
0.965595	0.993182	0	0	0	0	0	0
0.996593	0.997528	0	0	0	0	0	0
0.998629	0.997218	0	0	0	0	0	0

0.002187	0.002437	0	0	0	0	0	0
0.002215	0.002455	0	0	0	0	0	0
0.998045	0.992575	0	0	0	0	0	0
0.041421	0.126372	0	0	0	0	0	0
0.97254	0.976235	0	0	0	0	0	0
0.962004	0.983407	0	0	0	0	0	0
0.968123	0.942274	0	0	0	0	0	0
0.965828	0.955019	0	0	0	0	0	0
0.807419	0.833076	0	0	0	0	0	0
0.879236	0.854145	0	0	0	0	0	0
0.979531	0.986685	0	0	0	0	0	0
0.995647	0.994657	0	0	0	0	0	0
0.989635	0.990484	0	0	0	0	0	0
0.840753	0.915767	0	0	0	0	0	0
0.036128	0.052932	0	0	0	0	0	0
0.325107	0.352207	0	0	0	0	0	0
0.972968	0.935445	0	0	0	0	0	0
0.00567	0.085549	0	0	0	0	0	0
0.998064	0.62097	0.18	0	0	0	0	0
0.014025	0.031916	0	0	0	0	0	0
0.992006	0.996282	0	0	0	0	0	0
0.007431	0.003674	0	0	0	0	0	0
0.995311	0.996684	0	0	0	0	0	0
0.025981	0.046482	0	0	0	0	0	0
0.007388	0.003773	0	0	0	0	0	0
0.01356	0.005128	0	0	0	0	0	0
0.993723	0.997205	0	0	0	0	0	0
0.988986	0.966283	0	0	0	0	0	0
0.985338	0.972592	0	0	0	0	0	0
0.957866	0.953571	0	0	0	0	0	0
0.046035	0.054851	0	0	0	0	0	0
0.053996	0.063511	0	0	0	0	0	0
0.977077	0.707642	0.07	0	0	0	0	0
0.910096	0.402628	0.13	0	0	0	0	0
0.958072	0.940837	0	0	0	0	0	0
0.966001	0.943181	0	0	0	0	0	0
0.909554	0.895367	0	0	0	0	0	0
0.945979	0.955689	0	0	0	0	0	0
0.975724	0.947012	0	0	0	0	0	0
0.981467	0.951806	0	0	0	0	0	0
0.020809	0.010989	0	0	0	0	0	0
0.975751	0.957222	0	0	0	0	0	0
0.973347	0.973797	0	0	0	0	0	0
0.977888	0.94053	0	0	0	0	0	0
0.978346	0.954247	0	0	0	0	0	0
0.982663	0.973524	0	0	0	0	0	0
0.983981	0.96733	0	0	0	0	0	0

0.991208	0.992521	0	0	0	0	0	0
0.995571	0.997507	0	0	0	0	0	0
0.99318	0.993473	0	0	0	0	0	0
0.971772	0.954013	0	0	0	0	0	0
0.979782	0.950672	0	0	0	0	0	0
0.007598	0.006805	0	0	0	0	0	0
0.973133	0.881718	0	0	0	0	0	0
0.90957	0.743157	0.05	0	0	0	0	0
0.990393	0.915262	0	0	0	0	0	0
0.998804	0.995763	0	0	0	0	0	0
0.972463	0.958275	0	0	0	0	0	0
0.997269	0.990745	0	0	0	0	0	0
0.956265	0.950867	0	0	0	0	0	0
0.998041	0.995755	0	0	0	0	0	0
0.998441	0.997485	0	0	0	0	0	0
0.998816	0.995712	0	0	0	0	0	0
0.00855	0.010192	0	0	0	0	0	0
0.998375	0.987461	0	4	0	0	0	0
0.307602	0.325224	0	0	0	0	0	0
0.998564	0.998173	0	0	0	0	0	0
0.972268	0.937199	0	0	0	0	0	0
0.992223	0.997512	0	0	0	0	0	0
0.004108	0.081532	0	0	0	0	0	0
0.360746	0.338767	0	0	0	0	0	0
0.999292	0.997852	0	0	0	0	0	0
0.999415	0.998844	0	0	0	0	0	0
0.98928	0.989458	0	0	0	0	5	0
0.821504	0.649255	0.07	0	0	0	0	0
0.973435	0.997576	0.02	0	0	0	0	0
0.614713	0.577064	0	0	0	0	0	0
0.998408	0.995753	0	0	5	0	0	0
0.987735	0.989059	0	0	0	0	0	0
0.94706	0.852433	0.01	0	0	0	0	0
0.031834	0.040886	0	0	0	0	0	0
0.718361	0.558364	0	0	0	0	0	0
0.06723	0.471089	0.1	0	0	0	0	0
0.279196	0.353654	0	0	0	0	0	0
0.989118	0.970317	0	0	0	0	0	0
0.991164	0.984378	0	0	0	0	0	0
0.959532	0.98486	0	0	0	0	0	0
0.991973	0.977074	0	0	0	0	0	0
0.992207	0.986906	0	0	0	0	0	0
0.973134	0.966614	0	0	0	0	0	0
0.936216	0.872905	0	0	0	0	0	0
0.985568	0.969455	0	0	0	0	0	0
0.984645	0.981533	0	0	0	0	0	0
0.985756	0.979737	0	0	0	0	0	0

0.986919	0.883364	0.01	0	0	0	0	0
0.98475	0.912447	0	0	0	0	0	0
0.98949	0.928291	0	0	0	0	0	0
0.861566	0.783916	0	0	0	0	0	0
0.995228	0.994682	0	0	0	0	0	0
0.996736	0.997127	0	0	0	0	3	3
0.997151	0.995794	0	0	0	0	0	4
0.995541	0.988808	0	0	0	0	0	0
0.986954	0.974582	0	0	0	0	0	0
0.80488	0.386907	0.29	0	0	0	0	0
0.948558	0.910319	0	0	0	0	0	0
0.99665	0.994502	0	0	0	0	0	0
0.015261	0.06241	0	0	0	0	0	0
0.988122	0.885449	0.03	0	0	0	0	0
0.994385	0.989346	0	0	0	0	0	0
0.997413	0.996889	0	0	0	0	0	0
0.997778	0.998859	0	0	0	0	0	0
0.996173	0.9978	0	0	0	0	0	0
0.008651	0.009877	0	0	0	0	0	0
0.95	0.803862	0.09	0	0	0	0	0
0.996917	0.998227	0	0	0	0	0	0
0.907806	0.626523	0.22	0	0	0	0	0
0.993358	0.99698	0	0	0	0	0	0
0.996123	0.997494	0	0	0	0	0	0
0.996515	0.996305	0	0	0	0	0	0
0.979074	0.952049	0	0	0	0	0	0
0.977864	0.96178	0	0	0	0	0	0
0.969969	0.974811	0	0	0	0	0	0
0.974567	0.98525	0	0	0	0	0	0
0.970085	0.986016	0	0	0	0	0	0
0.086722	0.109139	0	0	0	0	0	0
0.975685	0.97668	0	0	0	0	0	0
0.969435	0.971492	0	0	0	0	0	0
0.981346	0.991205	0	0	0	0	0	0
0.977514	0.988988	0	0	0	0	0	0
0.976538	0.961608	0	0	0	0	0	0
0.959319	0.987756	0	0	0	0	0	0
0.921065	0.933336	0	0	0	0	0	0
0.758377	0.973417	0.07	0	0	0	0	0
0.837819	0.872634	0	0	0	0	0	0
0.083305	0.108785	0	0	0	0	0	0
0.641597	0.802526	0	0	0	0	0	0
0.638594	0.908458	0	0	0	0	0	0
0.53697	0.829182	0	0	0	0	0	0
0.993182	0.903212	0.03	0	0	0	0	0
0.996036	0.997527	0	0	0	0	0	0
0.958556	0.44473	0.44	0	0	0	0	0

0.994524	0.993578	0	0	0	0	0	0
0.950633	0.98183	0	0	0	0	0	0
0.997388	0.994435	0	0	0	0	0	0
0.005104	0.003163	0	0	0	0	0	0
0.998614	0.996265	0	0	0	0	0	0
0.982943	0.954313	0	0	0	0	0	0
0.979547	0.951405	0	0	0	0	0	0
0.982526	0.949344	0	0	0	0	0	0
0.985124	0.959616	0	0	0	0	0	0
0.955558	0.95586	0	0	0	0	0	0
0.969125	0.7079	0.03	0	0	0	0	0
0.112417	0.0944	0	0	0	0	0	0
0.947996	0.94554	0	0	0	0	0	0
0.969357	0.949832	0	0	0	0	0	0
0.948702	0.912765	0	0	0	0	0	0
0.953337	0.847573	0	0	0	0	0	0
0.975574	0.945911	0	0	0	0	0	0
0.973766	0.940412	0	0	0	0	0	0
0.982239	0.971028	0	0	0	0	0	0
0.085373	0.071597	0	0	0	0	0	0
0.96101	0.838276	0	0	0	0	0	0
0.941133	0.705859	0	0	0	0	0	0
0.988449	0.958894	0	0	0	0	0	0
0.935895	0.803152	0	0	0	0	0	0
0.996879	0.997348	0	0	0	0	0	0
0.996642	0.979142	0	0	0	0	0	0
0.991912	0.997583	0	0	0	0	0	0
0.945537	0.965924	0	0	0	0	0	0
0.953105	0.646886	0.25	0	0	0	0	0
0.997306	0.997262	0	0	0	0	0	0
0.997328	0.997854	0	0	0	0	0	0
0.982803	0.981511	0	0	0	0	0	0
0.997643	0.997407	0	0	0	0	0	0
0.996863	0.998693	0	0	0	0	0	0
0.016898	0.014044	0	0	0	0	0	0
0.979409	0.980965	0	0	0	0	0	0
0.995317	0.991508	0	0	0	0	0	0
0.997461	0.988691	0	0	4	4	0	0
0.998234	0.996618	0	0	0	0	0	0
0.999204	0.999289	0	0	0	0	0	0
0.998647	0.990319	0	0	0	0	0	0
0.998372	0.996526	0	0	0	0	0	0
0.998664	0.999506	0	0	0	0	0	0
0.998213	0.998991	0	0	0	0	0	0
0.998827	0.998911	0	0	0	0	0	0
0.998611	0.999404	0	0	0	0	0	0
0.998591	0.999061	0	0	0	0	0	0

0.998004	0.99472	0	0	0	0	0	0
0.998864	0.999359	0	0	0	0	0	0
0.998704	0.998253	0	0	0	0	0	0
0.997918	0.99914	0	0	0	0	0	0
0.991306	0.977367	0.01	0	0	0	0	0
0.997988	0.996613	0	0	0	0	0	0
0.988039	0.997991	0	0	0	0	0	0
0.996982	0.996772	0	0	0	0	0	0
0.998188	0.998705	0	0	0	0	0	0
0.889015	0.866737	0.03	0	0	0	0	0
0.999595	0.999101	0	0	0	0	0	0
0.004606	0.003453	0	0	0	0	0	0
0.991215	0.991506	0	0	0	0	0	0
0.993592	0.983217	0	0	0	0	0	0
0.510523	0.370079	0.02	0	0	0	0	0
0.226581	0.230895	0	0	0	0	0	0
0.996557	0.993288	0	0	0	0	0	0
0.127313	0.658165	0.15	0	0	0	0	0
0.996916	0.993446	0	0	0	0	0	0
0.997151	0.99213	0	0	0	0	0	0
0.99835	0.995373	0	0	0	0	0	0
0.003891	0.007614	0	0	0	0	0	0
0.996936	0.995975	0	0	0	0	0	0
0.996557	0.995231	0	0	0	0	0	0
0.606105	0.349375	0.12	0	0	0	0	0
0.982725	0.868371	0	0	0	0	0	0
0.990286	0.916807	0	0	0	0	0	0
0.988141	0.92869	0	0	0	0	0	0
0.994212	0.906997	0.04	0	0	0	0	0
0.965964	0.907485	0.02	0	0	0	0	0
0.999139	0.998936	0	0	0	0	0	0
0.951684	0.904564	0.01	0	0	0	0	0
0.998288	0.954467	0.02	0	0	0	0	0
0.993997	0.996765	0	0	0	0	0	0
0.999124	0.998416	0	0	0	0	0	0
0.970446	0.923357	0	0	0	0	0	0
0.998578	0.99765	0	0	0	0	0	0
0.001433	0.002206	0	0	0	0	0	0
0.998918	0.97719	0.01	0	0	0	1	0
0.999874	0.960765	0.01	0	73	0	7	5
0.999836	0.999806	0	0	0	0	0	0
0.999602	0.979035	0.01	0	0	0	0	0
0.997074	0.99674	0	0	0	5	6	6
0.967085	0.790711	0.1	0	0	0	0	0
0.007028	0.035898	0	0	0	0	0	0
0.010746	0.028938	0	0	0	0	0	0
0.992562	0.968191	0	0	0	0	0	0

0.988026	0.981355	0	0	0	0	0	0
0.99561	0.996883	0	0	0	0	0	0
0.996287	0.997034	0	0	0	0	0	0
0.0158	0.045008	0	0	0	0	0	0
0.928837	0.916143	0	0	0	0	0	0
0.9901	0.989578	0	0	0	0	0	0
0.986328	0.99245	0	0	0	0	0	0
0.569945	0.527338	0	6	0	0	0	0
0.940176	0.931753	0	0	0	0	0	0
0.069201	0.169679	0	0	0	0	0	0
0.257752	0.27217	0	0	0	0	0	0
0.0146	0.038331	0	0	0	0	0	0
0.987136	0.968534	0	0	0	0	0	0
0.987498	0.967264	0	0	0	0	0	0
0.969656	0.964788	0	0	0	0	6	6
0.994304	0.996242	0	0	0	0	0	0
0.999288	0.993253	0	0	0	0	0	0
0.303139	0.894521	0.54	0	0	0	0	0
0.996161	0.993877	0	0	0	0	0	0
0.004701	0.003895	0	0	0	0	0	0
0.004457	0.009944	0	0	0	0	0	0
0.95238	0.95602	0	0	0	0	0	0
0.039899	0.013733	0.01	0	0	0	0	0
0.003113	0.002442	0	0	0	0	0	0
0.998844	0.997379	0	0	0	0	0	0
0.998779	0.999399	0	0	0	0	0	0
0.995818	0.997467	0	0	0	0	0	0
0.984631	0.943491	0	0	0	0	0	0
0.288793	0.274211	0	0	0	0	0	0
0.993224	0.991198	0	0	0	0	0	0
0.014216	0.024635	0	0	0	0	0	0
0.015947	0.024117	0	0	0	0	0	0
0.997412	0.97778	0	0	0	0	0	0
0.005446	0.038636	0	0	0	0	0	0
0.109696	0.167816	0	0	0	0	0	0
0.983021	0.959472	0	0	0	0	0	0
0.969948	0.788181	0	0	0	0	0	0
0.991703	0.981359	0	0	0	0	0	0
0.995072	0.987946	0	0	0	0	0	0
0.99502	0.990247	0	0	0	0	0	0
0.049426	0.129529	0	0	0	0	0	0
0.020834	0.121556	0.02	0	0	0	0	0
0.942292	0.564085	0.11	0	0	0	0	0
0.983586	0.978053	0	0	0	0	0	0
0.923127	0.862271	0	0	0	0	0	0
0.060662	0.06531	0	0	0	0	0	0
0.761697	0.284152	0.33	0	0	0	0	0

0.985573	0.968606	0	0	0	0	0	0
0.987718	0.96887	0	0	0	0	0	0
0.97231	0.828939	0.05	0	0	0	0	0
0.963851	0.986884	0	0	0	0	0	0
0.990836	0.983715	0	0	0	0	0	0
0.98556	0.994902	0	0	0	0	0	0
0.990392	0.992849	0	0	0	0	0	0
0.993017	0.988116	0	0	0	0	0	0
0.967737	0.95168	0	0	0	0	0	0
0.961671	0.939746	0	0	0	0	0	0
0.970252	0.961768	0	0	0	0	0	0
0.974934	0.969906	0	0	0	0	0	0
0.978582	0.973919	0	0	0	0	0	0
0.970631	0.975115	0	0	0	0	0	0
0.043334	0.063993	0	0	0	0	0	0
0.975451	0.95635	0	0	0	0	0	0
0.983387	0.96646	0	0	0	0	0	0
0.988701	0.986139	0	0	0	0	0	0
0.989245	0.986019	0	0	0	0	0	0
0.032766	0.044658	0	0	0	0	0	0
0.016631	0.025251	0	0	0	0	0	0
0.99111	0.98371	0	0	0	0	0	0
0.875618	0.954822	0	0	0	0	0	0
0.942541	0.939484	0	0	0	0	0	0
0.717092	0.906704	0	0	0	6	0	0
0.995927	0.988876	0	0	0	0	0	0
0.995064	0.98291	0	0	0	0	0	0
0.994181	0.977837	0	0	0	0	0	0
0.988101	0.993384	0	0	0	0	0	0
0.25526	0.30801	0	0	0	0	0	0
0.988468	0.98476	0	0	0	0	0	0
0.96876	0.980418	0	0	0	0	0	0
0.986384	0.947692	0	0	0	0	0	0
0.990041	0.949724	0	0	0	0	0	0
0.019185	0.023696	0	0	0	0	0	0
0.992576	0.979348	0	0	0	0	0	0
0.994296	0.992753	0	0	0	0	0	0
0.99697	0.995259	0	0	0	0	0	0
0.968193	0.98568	0	0	0	0	0	0
0.964328	0.872361	0	0	0	0	0	0
0.991997	0.988452	0	0	0	0	0	0
0.985437	0.982166	0	0	0	0	0	0
0.996045	0.993613	0	0	0	0	0	0
0.995569	0.994512	0	0	0	0	0	0
0.958123	0.970829	0	0	0	0	0	0
0.987212	0.985753	0	0	0	0	0	0
0.988829	0.986443	0	0	0	0	0	0

0.953695	0.927025	0	0	0	0	0	0
0.868725	0.755573	0	0	0	0	0	0
0.997208	0.957616	0	0	0	0	0	0
0.992876	0.991078	0	0	0	0	0	0
0.985888	0.886284	0.02	0	0	0	0	0
0.938197	0.87377	0	0	0	0	0	0
0.990815	0.995296	0	0	0	0	0	0
0.992079	0.996186	0	0	0	0	0	0
0.939701	0.947207	0	0	0	0	0	0
0.786206	0.629946	0	0	0	0	0	0
0.955781	0.944214	0	0	0	0	0	0
0.942248	0.951925	0	0	0	0	0	0
0.982881	0.906309	0	0	0	0	0	0
0.997805	0.988729	0	0	0	0	0	0
0.985635	0.980844	0	0	0	0	0	0
0.996317	0.966224	0	0	0	0	0	0
0.960987	0.961958	0	0	0	0	0	0
0.775901	0.357044	0.21	0	0	0	0	0
0.992767	0.959326	0	0	0	0	0	0
0.996135	0.992135	0	0	0	0	0	0
0.996001	0.993151	0	0	0	0	0	0
0.95722	0.969773	0	0	0	0	0	0
0.997164	0.976622	0	0	0	0	0	0
0.996286	0.983034	0	0	0	0	0	0
0.970583	0.978205	0	0	0	0	0	0
0.986731	0.971744	0	0	0	0	0	0
0.981911	0.986112	0	0	0	0	0	0
0.986932	0.985819	0	0	0	0	0	0
0.978683	0.97063	0	0	0	0	0	0
0.973733	0.974428	0	0	0	0	0	0
0.984086	0.962769	0	0	0	0	0	0
0.971958	0.753158	0.04	0	0	0	0	0
0.988403	0.985337	0	0	0	0	0	0
0.974546	0.977147	0	0	0	0	0	0
0.957758	0.97187	0	0	0	0	0	0
0.975594	0.979981	0	0	0	0	0	0
0.976418	0.978847	0	0	0	0	0	0
0.654689	0.553582	0	0	0	0	0	0
0.826635	0.947439	0	0	0	0	0	0
0.946032	0.949212	0	0	0	0	0	0
0.948467	0.971601	0	0	0	0	0	0
0.958342	0.969936	0	0	0	0	0	0
0.951922	0.968164	0	0	0	0	0	0
0.952394	0.956603	0	0	0	0	0	0
0.955237	0.975966	0	0	0	0	0	0
0.960695	0.955266	0	0	0	0	0	0
0.962193	0.977918	0	0	0	0	0	0

0.901295	0.971743	0	0	0	0	0	0
0.871381	0.775884	0	0	0	0	0	0
0.946296	0.948021	0	0	0	0	0	0
0.954914	0.961611	0	0	0	0	0	0
0.966011	0.977703	0	0	0	0	0	0
0.964942	0.97104	0	0	0	0	0	0
0.975933	0.974731	0	0	0	0	0	0
0.968913	0.962869	0	0	0	0	0	0
0.977335	0.953348	0	0	0	0	0	0
0.97463	0.980816	0	0	0	0	0	0
0.939969	0.890296	0	0	0	0	0	0
0.952921	0.87019	0	0	0	0	0	0
0.947461	0.855569	0	0	0	0	0	0
0.961499	0.855006	0	0	0	0	0	0
0.977959	0.971563	0	0	0	0	0	0
0.978914	0.990301	0	0	0	0	0	0
0.972276	0.929343	0	0	0	0	0	0
0.984334	0.972634	0	0	0	0	0	0
0.874864	0.315469	0.43	0	0	0	0	0
0.99838	0.999329	0	0	0	9	0	0
0.001866	0.012041	0	0	0	0	0	0
0.315145	0.040026	0.2	0	0	11	26	21
0.974521	0.852278	0.07	0	0	0	0	0
0.997673	0.998772	0	0	0	0	0	0
0.008811	0.04022	0.01	0	0	7	0	0
0.997309	0.99815	0	0	0	0	0	0
0.001461	0.001897	0	0	0	0	0	0
0.998693	0.99936	0	0	0	0	0	0
0.997427	0.995139	0	0	0	0	0	0
0.998973	0.998501	0	0	0	0	0	0
0.958562	0.943462	0	0	0	0	0	0
0.976806	0.955722	0	0	0	0	0	0
0.970743	0.924955	0	0	0	0	0	0
0.998711	0.982733	0	0	0	1	0	0
0.996688	0.991497	0	0	0	0	0	0
0.000397	0.000718	0	0	0	0	0	0
0.99994	0.99981	0	0	0	0	0	0
0.990795	0.952544	0	0	0	0	0	0
0.92502	0.959736	0	0	0	0	0	0
0.988134	0.985947	0	0	0	0	0	0
0.984227	0.988117	0	0	0	0	0	0
0.788496	0.954782	0	0	0	0	0	0
0.430062	0.190392	0.03	0	0	0	0	0
0.871193	0.911149	0	0	0	0	0	0
0.942481	0.907767	0	0	0	0	0	0
0.948751	0.95919	0	0	0	0	0	0
0.969601	0.942562	0	0	0	0	0	0

0.958093	0.93403	0	0	0	0	0	0
0.948394	0.946742	0	0	0	0	0	0
0.989184	0.927887	0	0	0	0	0	0
0.992628	0.987756	0	0	0	0	0	0
0.986016	0.962997	0	0	0	0	0	0
0.991816	0.951193	0.04	0	0	0	0	0
0.971788	0.974195	0	0	0	0	0	0
0.977523	0.979637	0	0	0	0	0	0
0.987279	0.989298	0	0	0	0	0	0
0.990874	0.955427	0	0	0	0	0	0
0.934647	0.899529	0	0	0	0	0	0
0.999199	0.998304	0	0	0	0	0	0
0.999317	0.994084	0	0	0	0	0	0
0.012477	0.116189	0.02	0	0	0	0	0
0.994504	0.996842	0	0	0	0	0	0
0.998965	0.997958	0	0	0	0	0	0
0.965028	0.907841	0	0	0	0	0	0
0.688355	0.913668	0.13	0	0	0	0	0
0.011518	0.046046	0	0	0	0	0	0
0.993807	0.977439	0	0	0	0	0	0
0.042027	0.083904	0	0	0	0	0	0
0.991524	0.960254	0	0	0	0	0	0
0.994818	0.982106	0	0	0	0	0	0
0.992086	0.947333	0	0	0	0	0	0
0.988338	0.90997	0	0	0	0	0	0
0.99137	0.978907	0	0	0	0	0	0
0.001946	0.001135	0	0	7	7	0	0
0.221342	0.15302	0	0	0	0	0	0
0.989825	0.968666	0	0	0	0	0	0
0.985338	0.971526	0	0	0	0	0	0
0.983062	0.973699	0	0	0	0	0	0
0.990711	0.982998	0	0	0	0	0	0
0.991141	0.984908	0	0	0	0	0	0
0.990712	0.991688	0	0	0	0	0	0
0.929959	0.700518	0	0	0	0	0	0
0.990521	0.965026	0	0	0	0	0	0
0.989007	0.960347	0	0	0	0	0	0
0.985701	0.964309	0	0	0	0	0	0
0.965403	0.960649	0	0	0	0	0	0
0.986896	0.914949	0	0	0	0	0	0
0.985966	0.9509	0	0	0	0	0	0
0.97995	0.927936	0	0	0	0	0	0
0.956525	0.954974	0	0	0	0	0	0
0.986815	0.88536	0	0	0	0	0	0
0.986593	0.952767	0	0	0	0	0	0
0.978305	0.902138	0	0	0	0	0	0
0.989305	0.97442	0	0	0	0	0	0

0.04593	0.166187	0	0	0	0	0	0
0.035191	0.043304	0	0	0	0	0	0
0.976692	0.874571	0	0	0	0	0	0
0.993207	0.986824	0	0	0	0	0	0
0.976556	0.794244	0	0	0	0	0	0
0.98146	0.81286	0.01	0	0	0	0	0
0.430258	0.254426	0	0	0	0	0	0
0.052354	0.319603	0.05	0	0	0	0	0
0.976517	0.467449	0.27	0	0	0	0	0
0.057885	0.029023	0	0	0	0	0	0
0.972999	0.990619	0	0	0	0	0	0
0.68372	0.376375	0	0	0	0	0	0
0.997395	0.995249	0	0	0	0	0	0
0.997842	0.99071	0	0	0	0	0	0
0.463057	0.107172	0.26	6	0	0	0	0
0.211751	0.013704	0.14	6	0	0	0	0
0.028652	0.083396	0	0	0	0	0	0
0.015703	0.009829	0	0	0	0	0	0
0.870263	0.710766	0.08	0	0	0	0	0
0.979054	0.966893	0	0	0	0	0	0
0.042851	0.047577	0	0	0	0	0	0
0.044638	0.057179	0	0	0	0	0	0
0.043863	0.042447	0	0	0	0	0	0
0.978945	0.973466	0	0	0	0	0	0
0.041133	0.269608	0.04	0	0	0	0	0
0.663854	0.674532	0	0	0	0	0	0
0.972368	0.977432	0	0	0	0	0	0
0.981915	0.985171	0	0	0	0	0	0
0.984431	0.967911	0	0	0	0	0	0
0.993168	0.98618	0	0	0	0	0	0
0.993325	0.961398	0	0	0	0	0	0
0.014841	0.017257	0	0	0	0	0	0
0.035099	0.030338	0	0	0	0	0	0
0.790908	0.357218	0.28	0	0	0	0	0
0.814698	0.406916	0.26	0	0	0	0	0
0.014308	0.019831	0	0	0	0	0	0
0.3532	0.16573	0	0	0	0	0	0
0.950326	0.917213	0	0	0	0	0	0
0.967343	0.973444	0	0	0	0	0	0
0.988078	0.947545	0	0	0	0	4	4
0.972111	0.668322	0.09	0	0	0	0	0
0.978527	0.864724	0	0	0	0	0	0
0.93532	0.95024	0	0	0	0	0	0
0.984613	0.966471	0	0	0	0	0	0
0.988381	0.933129	0	0	0	0	0	0
0.97542	0.949258	0	0	0	0	0	0
0.985219	0.968953	0	0	0	0	0	0

0.957342	0.935659	0	0	0	0	0	0
0.978033	0.94103	0	0	0	0	0	0
0.978427	0.938061	0	0	0	0	0	0
0.975421	0.945473	0	0	0	0	0	0
0.976452	0.950087	0	0	0	0	0	0
0.969843	0.94073	0	0	0	0	0	0
0.151032	0.299252	0.06	0	0	0	0	0
0.045354	0.030807	0	0	0	0	0	0
0.987482	0.943742	0	0	0	0	0	0
0.98687	0.984998	0	0	0	0	0	0
0.987163	0.985633	0	0	0	0	0	0
0.988158	0.989709	0	0	0	0	0	0
0.991045	0.6903	0.22	0	0	0	0	0
0.993395	0.819677	0.08	0	0	0	0	0
0.989233	0.987442	0	0	0	0	0	0
0.989343	0.982221	0	0	0	0	0	0
0.713847	0.916671	0	0	0	0	0	0
0.99303	0.974111	0	0	0	0	0	0
0.052094	0.029832	0	0	0	0	0	0
0.932825	0.927673	0	0	0	0	0	0
0.983406	0.993071	0	0	0	0	0	0
0.984804	0.995253	0	0	0	0	0	0
0.989916	0.973013	0	0	0	0	0	0
0.990354	0.983309	0	0	0	0	0	0
0.986669	0.961806	0	0	0	0	0	0
0.996483	0.99519	0	0	0	0	0	0
0.99953	0.999245	0	0	0	0	0	0
0.988531	0.991021	0	0	0	0	0	0
0.9752	0.979004	0	0	0	0	0	0
0.034753	0.018176	0	0	0	0	0	0
0.999317	0.999129	0	0	0	0	0	0
0.871515	0.759798	0.06	0	0	0	0	0
0.943181	0.897406	0.02	0	0	0	3	0
0.970034	0.977302	0	0	0	0	0	0
0.885162	0.946331	0.03	0	0	0	0	0
0.018113	0.050664	0	0	0	0	0	0
0.123647	0.192968	0	0	0	0	0	0
0.984415	0.975935	0	0	0	0	0	0
0.984282	0.950216	0	0	0	0	0	0
0.994113	0.986754	0	0	0	0	0	0
0.988912	0.983806	0	0	0	0	0	0
0.064993	0.167873	0	0	0	0	0	0
0.016646	0.056097	0	0	0	0	0	0
0.040137	0.111539	0	0	0	0	0	0
0.019651	0.064757	0	0	0	0	0	0
0.965191	0.896465	0	0	0	0	0	0
0.101925	0.035958	0	0	0	0	0	0

0.986643	0.979469	0	0	0	0	0	0
0.991187	0.994026	0	0	0	0	0	0
0.970354	0.978822	0	0	0	0	0	0
0.005405	0.007949	0	0	0	0	0	0
0.996717	0.996388	0	0	0	0	0	0
0.997749	0.994387	0	0	0	0	0	0
0.991274	0.991373	0	0	0	0	0	0
0.993739	0.966579	0	0	0	0	0	0
0.996107	0.992759	0	0	0	0	0	0
0.993065	0.996419	0	0	0	0	0	0
0.985974	0.989611	0	0	0	0	0	0
0.98484	0.988428	0	0	0	0	0	0
0.979206	0.974605	0	0	0	0	0	0
0.988889	0.967376	0	0	0	0	0	0
0.870544	0.592992	0.16	0	0	0	0	0
0.994818	0.949036	0	0	0	0	0	0
0.990683	0.959205	0	0	0	0	0	0
0.969789	0.268429	0.6	0	0	0	0	0
0.996152	0.994875	0	0	0	1	0	0
0.995827	0.988787	0	0	0	0	0	0
0.99592	0.994992	0	0	0	0	0	0
0.995505	0.975425	0	0	0	0	0	0
0.9965	0.964751	0	0	0	0	0	0
0.650326	0.496293	0.01	0	0	0	0	0
0.932136	0.395654	0.38	0	0	0	0	0
0.989433	0.943231	0	0	0	0	0	0
0.990869	0.957114	0	0	0	0	0	0
0.994387	0.971295	0	0	0	0	0	0
0.949144	0.966331	0	0	0	0	0	0
0.963032	0.959002	0	0	0	0	0	0
0.975563	0.984492	0	0	0	0	0	0
0.877954	0.938956	0	0	0	0	0	0
0.98556	0.950359	0	0	0	0	0	0
0.95476	0.947302	0	0	0	0	0	0
0.896449	0.888726	0	0	0	0	0	0
0.840137	0.930307	0	0	0	0	0	0
0.938792	0.938996	0	0	0	0	0	0
0.034395	0.03573	0	0	0	0	0	0
0.992093	0.925466	0.01	0	0	0	0	0
0.990973	0.938526	0	0	0	0	0	0
0.99159	0.850037	0.03	0	0	0	0	0
0.996724	0.975103	0	0	0	0	0	0
0.996049	0.989836	0	0	0	0	0	0
0.996624	0.993271	0	0	0	0	0	0
0.023097	0.121869	0	0	0	0	0	0
0.99615	0.994709	0	0	0	0	0	0
0.995069	0.990234	0	0	0	0	0	0

0.995601	0.994786	0	0	0	0	0	0
0.995301	0.989945	0	0	0	0	0	0
0.974987	0.94505	0	0	0	0	0	0
0.979374	0.951214	0	0	0	0	0	0
0.963924	0.987345	0	0	0	0	0	0
0.047201	0.046063	0	0	0	0	0	0
0.915204	0.738789	0	0	0	0	0	0
0.820374	0.844339	0	0	0	0	0	0
0.986623	0.971089	0	0	0	0	0	0
0.994735	0.992923	0	0	0	0	0	0
0.99497	0.990376	0	0	0	0	0	0
0.008814	0.010959	0	0	0	0	0	0
0.992872	0.725314	0.1	0	0	0	0	0
0.992562	0.989116	0	0	0	0	0	0
0.051764	0.02217	0	0	0	0	0	0
0.567832	0.507528	0	0	0	0	0	0
0.591292	0.388623	0.07	0	0	0	0	0
0.021766	0.083229	0	0	0	0	0	0
0.982203	0.962361	0	0	0	0	0	0
0.983969	0.955736	0	0	0	0	0	0
0.982685	0.924767	0	0	0	0	0	0
0.974247	0.941452	0	0	0	0	0	0
0.406349	0.343807	0	0	0	0	0	0
0.817416	0.739846	0	0	0	0	0	0
0.990602	0.97438	0	0	0	0	0	0
0.994451	0.98961	0	0	0	0	0	0
0.995719	0.979992	0	0	0	0	0	0
0.059882	0.374081	0.06	0	0	0	0	0
0.824405	0.976516	0.06	0	0	0	0	0
0.853216	0.135939	0.55	0	0	0	0	0
0.991032	0.986002	0	0	0	0	0	0
0.991646	0.946179	0	0	0	0	0	0
0.960155	0.750013	0.08	0	0	0	0	0
0.986678	0.987499	0	0	0	0	0	0
0.992748	0.984377	0	0	0	0	0	0
0.991643	0.974846	0	0	0	0	0	0
0.95587	0.903299	0	0	0	0	0	0
0.960736	0.989378	0	0	0	0	0	0
0.975269	0.96158	0	0	0	0	0	0
0.952983	0.975658	0	0	0	0	0	0
0.98651	0.973637	0	0	0	0	0	0
0.993781	0.986219	0	0	0	0	0	0
0.994483	0.977578	0	0	0	0	0	0
0.980307	0.927934	0	0	0	0	0	0
0.996057	0.974841	0	0	0	0	0	0
0.981828	0.960325	0	0	0	0	0	0
0.98022	0.942668	0	0	0	0	0	0

0.067108	0.054553	0	0	0	0	0	0
0.980464	0.943887	0	0	0	0	0	0
0.977199	0.96553	0	0	0	0	0	0
0.016059	0.078343	0	0	0	0	0	0
0.99429	0.995331	0	0	0	0	0	0
0.95292	0.952209	0	0	0	0	0	0
0.117243	0.085477	0	0	0	0	0	0
0.975005	0.96964	0	0	0	0	0	0
0.960607	0.958324	0	0	0	0	0	0
0.953364	0.941544	0	0	0	0	0	0
0.924013	0.893498	0	0	0	0	0	0
0.941703	0.947485	0	0	0	0	0	0
0.79625	0.766991	0	0	0	0	0	0
0.959817	0.643913	0.06	0	0	0	0	0
0.231393	0.247429	0	0	0	0	0	0
0.052312	0.096601	0	0	0	0	0	0
0.598555	0.639055	0	0	0	0	0	0
0.142698	0.041914	0	0	0	0	0	0
0.995342	0.997092	0	0	0	0	0	0
0.985109	0.970742	0	0	0	0	0	0
0.48306	0.333844	0	0	0	0	0	0
0.553276	0.500384	0	0	0	0	0	0
0.901386	0.95928	0	0	0	0	0	0
0.006987	0.017542	0	0	0	0	0	0
0.004885	0.008501	0	0	0	0	0	0
0.010412	0.01623	0	0	0	0	0	0
0.993498	0.993846	0	0	0	0	0	0
0.993901	0.991067	0	0	0	0	0	0
0.010941	0.00655	0	0	0	0	0	0
0.988598	0.949117	0	0	0	0	0	0
0.007923	0.019824	0	0	0	0	0	0
0.042443	0.144759	0.02	0	0	0	0	0
0.997509	0.985931	0	0	0	0	0	0
0.983172	0.97709	0	0	0	0	0	0
0.015238	0.032001	0	0	0	0	0	0
0.996685	0.99793	0	0	0	0	0	0
0.998327	0.998221	0	0	0	0	0	0
0.013121	0.007045	0.01	0	0	0	0	0
0.983186	0.977181	0	0	0	0	0	0
0.985806	0.976312	0	0	0	0	0	0
0.99814	0.996049	0	0	0	0	0	0
0.977578	0.998504	0	0	0	0	0	0
0.972087	0.996251	0	0	0	0	0	0
0.05167	0.021066	0	0	0	0	0	0
0.938818	0.952313	0	0	0	0	0	0
0.887691	0.787132	0.02	0	0	0	0	0
0.006388	0.004124	0	0	0	0	0	0

0.004656	0.010138	0	0	0	0	0	0
0.006272	0.011619	0	0	0	0	0	0
0.955043	0.925481	0	0	0	0	0	0
0.996352	0.992794	0	0	0	0	0	0
0.012515	0.023791	0	0	0	0	0	0
0.018177	0.012328	0	0	0	0	0	0
0.997325	0.976594	0	0	0	0	0	0
0.986509	0.979473	0	0	0	0	0	0
0.010295	0.009604	0	0	0	0	0	0
0.993291	0.996633	0	0	0	0	0	0
0.995017	0.996291	0	0	0	0	0	0
0.995928	0.998049	0	0	0	0	0	0
0.009999	0.006736	0	0	0	0	0	0
0.983706	0.984826	0	0	0	0	0	0
0.962865	0.951752	0	0	0	0	0	0
0.987176	0.986227	0	0	0	0	0	0
0.994067	0.992927	0	0	0	0	0	0
0.168445	0.152891	0	0	0	0	0	0
0.991391	0.986027	0	0	0	0	0	0
0.992237	0.987153	0	0	0	0	0	0
0.98097	0.935147	0	0	0	0	0	0
0.985921	0.962675	0	0	0	0	0	0
0.962137	0.544741	0.1	0	0	0	0	0
0.978717	0.95659	0	0	0	0	0	0
0.984239	0.977714	0	0	0	0	0	0
0.905228	0.96547	0	0	0	0	0	0
0.981257	0.967048	0	0	0	0	0	0
0.987404	0.978594	0	0	0	0	0	0
0.983037	0.950724	0	0	0	0	0	0
0.976052	0.952099	0	0	0	0	0	0
0.981956	0.968753	0	0	0	0	0	0
0.982331	0.868027	0	0	0	0	0	0
0.985355	0.998234	0	0	0	0	0	0
0.962369	0.942994	0	0	0	0	0	0
0.9568	0.95257	0	0	0	0	0	0
0.965023	0.902234	0.02	0	0	0	0	0
0.002698	0.007333	0	0	0	0	0	0
0.010772	0.007169	0	0	0	0	0	0
0.992051	0.996748	0	0	0	0	0	0
0.016511	0.029961	0	0	0	0	0	0
0.013903	0.12885	0.06	0	0	0	0	0
0.977618	0.929178	0	0	0	0	0	0
0.976249	0.978935	0	0	0	0	0	0
0.971087	0.941467	0	0	0	0	0	0
0.019822	0.022677	0	0	0	0	0	0
0.946573	0.972171	0	0	0	0	0	0
0.998075	0.994801	0	0	0	0	0	0

0.997418	0.997537	0	0	0	0	0	0
0.906762	0.950091	0	0	0	0	0	0
0.99169	0.989138	0	0	0	0	0	0
0.108657	0.034645	0	0	0	0	0	0
0.905186	0.92201	0	0	0	0	0	0
0.509143	0.18594	0.11	0	0	0	0	0
0.999407	0.999914	0	0	0	0	2	0
0.78139	0.818768	0	0	0	0	0	0
0.97957	0.96307	0	0	0	0	0	0
0.033838	0.031124	0	0	0	0	0	0
0.021255	0.026484	0	0	0	0	0	0
0.994128	0.99618	0	0	0	0	0	0
0.989805	0.988629	0	0	0	0	0	0
0.000014	0.001548	0	0	0	0	0	0
0.962031	0.858244	0.03	0	0	0	5	0
0.992198	0.901351	0	0	0	0	0	0
0.989558	0.986911	0	0	0	0	0	0
0.989815	0.995407	0	0	0	0	0	0
0.992723	0.995722	0	0	0	0	0	0
0.996208	0.997699	0	0	0	0	0	0
0.99134	0.988266	0	0	0	0	0	0
0.986663	0.974626	0	0	0	0	0	0
0.216583	0.383741	0	0	0	0	0	0
0.992441	0.981881	0	0	0	1	0	0
0.988836	0.983112	0	0	0	0	0	0
0.011267	0.018835	0	0	0	0	0	0
0.994682	0.994726	0	0	0	0	0	0
0.031491	0.039128	0	0	0	0	0	0
0.99197	0.994175	0	0	0	0	0	0
0.987181	0.989539	0	0	0	0	0	0
0.990968	0.80792	0.05	0	0	0	0	0
0.014841	0.023712	0	0	0	0	0	0
0.013114	0.022202	0	0	0	0	0	0
0.573768	0.219051	0.17	0	0	0	0	0
0.999525	0.998842	0	0	0	0	0	0
0.998774	0.999305	0	0	0	0	0	0
0.999703	0.999125	0	0	0	0	0	0
0.000879	0.001589	0	0	0	0	0	0
0.000459	0.000941	0	0	0	0	0	0
0.999819	0.997099	0	0	0	0	0	0
0.990585	0.943563	0	0	0	0	0	0
0.995225	0.980495	0	0	0	0	0	0
0.996301	0.989193	0	0	0	0	0	0
0.987477	0.960487	0	0	0	0	0	0
0.230001	0.158772	0	0	0	0	0	0
0.54629	0.358656	0	0	0	0	0	0
0.694731	0.495374	0	0	0	0	0	0

0.77571	0.383806	0.16	0	0	0	0	0
0.992161	0.990668	0	0	0	0	0	0
0.994072	0.991777	0	0	0	0	0	0
0.019397	0.030221	0	0	0	0	0	0
0.015569	0.013385	0	0	0	0	0	0
0.989926	0.986348	0	0	0	0	0	0
0.932464	0.591371	0.01	0	0	0	0	0
0.992625	0.95219	0	0	0	0	0	0
0.985025	0.987156	0	0	0	0	0	0
0.042537	0.060837	0	0	0	0	0	0
0.969979	0.930553	0	0	0	0	0	0
0.979859	0.953117	0	0	0	0	0	0
0.989113	0.97092	0	0	0	0	0	0
0.068038	0.102261	0	0	0	0	0	0
0.989083	0.97877	0	0	0	0	0	0
0.987358	0.98306	0	0	0	0	0	0
0.413803	0.678218	0.04	0	0	0	0	0
0.989982	0.993377	0	0	0	0	0	0
0.990097	0.980183	0	0	0	0	0	0
0.958979	0.947037	0	0	0	0	0	0
0.954157	0.934268	0	0	0	0	0	0
0.972296	0.967045	0	0	0	0	0	0
0.949073	0.927354	0	0	0	0	0	0
0.980526	0.956309	0	0	0	0	0	0
0.976152	0.958074	0	0	0	0	0	0
0.967658	0.97137	0	0	0	0	0	0
0.062514	0.033078	0	0	0	0	0	0
0.190093	0.329891	0	0	0	0	0	0
0.960439	0.973583	0	0	0	0	0	0
0.7472	0.548117	0	0	0	0	0	0
0.770379	0.335077	0.17	0	0	4	0	0
0.988301	0.96721	0	0	0	0	0	0
0.991749	0.983739	0	0	0	0	0	0
0.950617	0.928108	0	0	0	0	0	0
0.02844	0.106605	0	0	0	0	0	0
0.994606	0.993963	0	0	0	0	0	0
0.012199	0.011594	0	0	0	0	0	0
0.983919	0.984178	0	0	0	0	0	0
0.980363	0.975881	0	0	0	0	0	0
0.429987	0.679437	0.15	0	0	0	0	0
0.004203	0.003217	0	0	0	0	0	0
0.754863	0.683735	0	0	14	11	0	0
0.990491	0.936473	0	0	0	0	0	0
0.991046	0.714754	0.08	0	0	0	0	0
0.035208	0.112562	0	0	0	0	0	0
0.984962	0.914051	0	0	0	0	0	0
0.012669	0.041111	0	0	0	0	0	0

0.445541	0.080892	0.16	0	0	0	0	0
0.989465	0.990264	0	0	0	0	0	0
0.026926	0.025651	0	0	0	0	0	0
0.985708	0.990498	0	0	0	0	0	0
0.983923	0.994113	0	0	0	0	0	0
0.988771	0.985976	0	0	0	0	0	0
0.686342	0.607311	0	0	0	0	0	0
0.017424	0.032425	0	0	0	0	0	0
0.992552	0.986498	0	0	0	0	0	0
0.978344	0.986417	0	0	0	0	0	0
0.990057	0.971976	0	0	0	0	0	0
0.04547	0.07863	0	0	0	0	0	0
0.990233	0.964098	0	0	0	0	0	0
0.991382	0.98107	0	0	0	0	0	0
0.987236	0.984436	0	0	0	0	0	0
0.98588	0.985129	0	0	0	0	0	0
0.024989	0.073412	0	0	0	0	0	0
0.990056	0.985406	0	0	0	0	0	0
0.987423	0.977327	0	0	0	0	0	0
0.988181	0.988285	0	0	0	0	0	0
0.990185	0.972253	0	0	0	0	0	0
0.137181	0.236056	0	0	0	0	0	0
0.942119	0.985257	0	0	0	0	0	0
0.080977	0.112509	0	0	0	0	0	0
0.133966	0.134146	0	0	0	0	0	0
0.998361	0.998172	0	0	0	0	0	0
0.998025	0.998031	0	0	0	0	0	0
0.993004	0.886106	0.05	0	0	0	0	0
0.998612	0.995307	0	0	0	0	0	0
0.97218	0.976819	0	0	0	0	0	0
0.969275	0.951917	0	0	0	0	0	0
0.972933	0.973732	0	0	0	0	0	0
0.36135	0.788927	0.12	0	0	0	0	0
0.947528	0.946854	0	0	0	0	0	0
0.952049	0.970306	0	0	0	0	0	0
0.923785	0.954443	0	0	0	0	0	0
0.992645	0.981668	0	0	0	0	0	0
0.9954	0.98272	0	0	0	0	0	0
0.994105	0.975541	0	0	0	0	0	0
0.996124	0.97988	0	0	0	0	0	0
0.047072	0.012404	0	0	0	0	0	0
0.995825	0.990666	0	0	0	0	0	0
0.991874	0.997318	0	0	0	0	0	0
0.972185	0.993487	0	0	0	0	0	0
0.950387	0.839513	0.02	0	0	0	0	0
0.954911	0.993348	0	0	0	0	0	0
0.996042	0.99002	0	0	0	0	0	0

0.997299	0.995604	0	0	0	0	0	0
0.995895	0.995441	0	0	0	0	0	0
0.99364	0.984557	0	0	0	0	0	0
0.99018	0.980719	0	0	0	0	0	0
0.970389	0.974369	0	0	0	0	0	0
0.980419	0.967018	0	0	0	0	0	0
0.982588	0.969067	0	0	0	0	0	0
0.990501	0.974299	0	0	0	0	0	0
0.019697	0.061162	0	0	0	0	0	0
0.035042	0.033857	0	0	0	0	0	0
0.9812	0.969372	0	0	0	0	0	0
0.051529	0.117293	0	0	0	0	0	0
0.94654	0.942185	0	0	0	0	0	0
0.946952	0.922649	0	0	0	0	0	0
0.982639	0.976533	0	0	0	0	0	0
0.985859	0.974563	0	0	0	0	0	0
0.996421	0.994237	0	0	0	0	0	0
0.994343	0.996254	0	0	0	0	0	0
0.18159	0.469453	0.1	0	0	0	0	0
0.81569	0.257168	0.43	0	0	0	0	0
0.062082	0.140982	0.01	0	0	0	0	0
0.955969	0.959778	0	0	0	0	0	0
0.987357	0.97615	0	0	0	0	0	0
0.874723	0.903864	0	0	0	0	0	0
0.970756	0.978736	0	0	0	0	0	0
0.962139	0.861995	0.01	0	0	0	0	0
0.984054	0.986996	0	0	0	0	0	0
0.997142	0.996661	0	0	0	0	0	0
0.995445	0.996906	0	0	0	0	0	0
0.996683	0.995356	0	0	0	0	0	0
0.996405	0.995855	0	0	0	0	0	0
0.007811	0.013217	0	0	0	0	0	0
0.013287	0.010674	0	0	0	0	0	0
0.968063	0.916259	0	0	0	0	0	0
0.973026	0.995267	0	0	0	0	0	0
0.007694	0.00165	0.01	0	0	0	0	0
0.010215	0.004851	0	0	0	0	0	0
0.98342	0.990647	0	0	0	0	0	0
0.010923	0.015525	0	0	0	0	0	0
0.961957	0.976509	0	0	0	0	0	0
0.970697	0.977343	0	0	0	0	0	0
0.966994	0.954791	0	0	0	0	0	0
0.991773	0.980826	0	0	0	0	0	0
0.991899	0.993329	0	0	0	0	0	0
0.99396	0.976252	0	0	0	0	0	0
0.942978	0.988533	0	0	0	0	0	0
0.994406	0.995037	0	0	0	0	0	0

0.994319	0.993826	0	0	0	0	0	0
0.005428	0.012446	0	0	0	0	0	0
0.997035	0.995073	0	0	0	0	0	0
0.995523	0.997131	0	0	0	0	0	0
0.994835	0.993526	0	0	0	0	0	0
0.996993	0.975189	0	0	0	0	0	0
0.074516	0.076786	0	0	0	0	0	0
0.016101	0.014084	0	0	0	0	0	0
0.98725	0.995843	0	0	0	0	0	0
0.986703	0.947051	0	0	0	0	0	0
0.986803	0.924235	0	0	0	0	0	0
0.985483	0.94743	0	0	0	0	0	0
0.995627	0.952519	0	0	0	0	0	0
0.988103	0.956654	0	0	0	0	0	0
0.024666	0.088559	0	0	0	0	0	0
0.97363	0.863081	0	0	0	0	0	0
0.344276	0.1871	0	0	0	0	0	0
0.992212	0.94693	0	0	0	0	0	0
0.023954	0.093396	0	0	0	0	0	0
0.037623	0.035756	0	0	0	0	0	0
0.855748	0.65443	0.04	0	0	0	0	0
0.953042	0.939934	0	0	0	0	0	0
0.944917	0.942169	0	0	0	0	0	0
0.991911	0.990521	0	0	0	0	0	0
0.980338	0.972787	0	0	0	0	0	0
0.008936	0.016964	0	0	0	0	0	0
0.011466	0.018515	0	0	0	0	0	0
0.015221	0.034721	0	0	0	0	0	0
0.988364	0.990459	0	0	0	0	0	0
0.995709	0.996958	0	0	0	0	0	0
0.983904	0.985294	0	0	0	0	0	0
0.963312	0.969202	0	0	0	0	0	0
0.995772	0.996311	0	0	0	0	0	0
0.008258	0.03378	0	0	0	0	0	0
0.996304	0.98891	0	0	0	0	0	0
0.019514	0.122254	0	0	0	0	0	0
0.992761	0.906151	0.01	0	0	0	0	0
0.56926	0.113385	0.31	0	0	0	0	0
0.995062	0.991869	0	0	0	0	0	0
0.975938	0.972668	0	0	0	0	0	0
0.993195	0.983619	0	0	0	0	0	0
0.990693	0.914298	0.01	0	0	0	0	0
0.994075	0.986777	0	0	0	0	0	0
0.995001	0.991093	0	0	0	0	0	0
0.98678	0.985491	0	0	0	0	0	0
0.011144	0.020186	0	0	0	0	0	0
0.994808	0.988428	0	0	0	0	0	0

0.995921	0.99325	0	0	0	0	0	0
0.95579	0.971534	0	0	0	0	0	0
0.97611	0.987813	0	0	0	0	0	0
0.965049	0.988433	0	0	0	0	0	0
0.95109	0.968738	0	0	0	0	0	0
0.975267	0.972855	0	0	0	0	0	0
0.492683	0.791681	0.06	0	0	0	0	0
0.117579	0.033396	0	0	0	0	0	0
0.972099	0.968151	0	0	0	0	0	0
0.996301	0.99685	0	0	0	0	0	0
0.98221	0.979121	0	0	0	0	0	0
0.985259	0.989479	0	0	0	0	0	0
0.963198	0.935887	0	0	0	0	0	0
0.989986	0.961992	0	0	0	0	0	0
0.99629	0.915649	0	0	0	0	0	0
0.971757	0.832824	0	0	0	0	0	0
0.983666	0.796633	0.05	0	0	0	0	0
0.978187	0.973385	0	0	0	0	0	0
0.977938	0.961054	0	0	0	0	0	0
0.989752	0.919845	0	0	0	0	0	0
0.988429	0.97196	0	0	0	0	0	0
0.99391	0.9356	0	0	0	0	0	0
0.985693	0.948296	0	0	0	0	0	0
0.986561	0.957187	0	0	0	0	0	0
0.948015	0.943708	0	0	0	0	0	0
0.964929	0.96205	0	0	0	0	0	0
0.994339	0.992817	0	0	6	0	0	0
0.996581	0.998742	0	0	0	0	0	0
0.998406	0.99825	0	0	0	0	0	0
0.998535	0.998682	0	0	0	0	0	0
0.997765	0.99839	0	0	0	0	0	0
0.996705	0.996672	0	0	0	0	0	0
0.00223	0.002169	0	0	0	0	0	0
0.99871	0.99913	0	0	0	0	0	0
0.996383	0.998531	0	0	0	0	0	0
0.998515	0.998716	0	0	0	0	0	0
0.003716	0.004005	0	0	0	0	0	0
0.998381	0.998344	0	0	0	0	0	0
0.997482	0.973745	0.01	0	0	0	0	0
0.003954	0.005816	0	0	0	0	0	0
0.042909	0.227643	0.01	0	0	0	0	0
0.040295	0.041831	0	0	0	0	0	0
0.986896	0.936565	0	0	0	0	0	0
0.989479	0.859733	0.07	0	0	0	0	0
0.991198	0.93695	0	0	0	0	0	0
0.989864	0.964963	0	0	0	0	0	0
0.992458	0.96929	0	0	0	0	0	0

0.991049	0.984449	0	0	0	0	0	0
0.991623	0.984137	0	0	0	0	0	0
0.993043	0.984306	0	0	0	0	0	0
0.982927	0.964285	0	0	0	0	0	0
0.98572	0.961768	0	0	0	0	0	0
0.998612	0.987688	0	0	0	0	0	0
0.99768	0.833261	0.09	0	0	0	0	0
0.998678	0.858702	0.07	0	0	0	0	0
0.036011	0.101721	0	0	0	0	0	0
0.032165	0.03115	0	0	0	0	0	0
0.987789	0.991875	0	0	0	0	0	0
0.984218	0.992316	0	0	0	0	0	0
0.048235	0.199452	0	0	0	0	0	0
0.989911	0.989283	0	0	0	0	0	0
0.972858	0.96299	0	0	0	0	0	0
0.978523	0.947343	0	0	0	0	0	0
0.957331	0.848534	0	0	0	0	0	0
0.857428	0.641567	0	0	0	0	0	0
0.952093	0.974129	0	0	0	0	0	0
0.100716	0.081673	0	0	0	0	0	0
0.048741	0.02277	0	0	0	0	0	0
0.99404	0.991769	0	0	0	0	0	0
0.944026	0.982043	0	0	0	0	0	0
0.234695	0.446631	0	0	0	0	0	0
0.956466	0.99397	0	0	0	0	0	0
0.997635	0.978355	0	0	0	0	0	0
0.993825	0.953501	0.01	0	0	0	0	0
0.146701	0.171213	0	0	0	0	0	0
0.982523	0.974788	0	0	0	0	0	0
0.740804	0.505063	0.02	0	0	0	0	0
0.961875	0.952982	0	0	0	0	0	0
0.946645	0.955287	0	0	0	0	0	0
0.977253	0.926719	0	0	0	0	0	0
0.948014	0.936778	0	0	0	0	0	0
0.986916	0.965759	0	0	0	0	0	0
0.042338	0.051462	0	0	0	0	0	0
0.912578	0.847892	0	0	0	0	0	0
0.769203	0.802881	0	0	0	0	0	0
0.963688	0.957545	0	0	0	0	0	0
0.971916	0.948473	0	0	0	0	0	0
0.99446	0.994883	0	0	0	0	0	0
0.99768	0.997518	0	0	0	0	0	0
0.996354	0.97195	0	0	0	0	0	0
0.998033	0.989867	0	0	0	0	0	0
0.992202	0.966041	0	0	0	0	1	1
0.008827	0.008753	0	0	0	0	0	0
0.988166	0.984622	0	0	0	0	0	0

0.986479	0.982732	0	0	0	0	0	0
0.988024	0.98688	0	0	0	0	0	0
0.97467	0.949434	0	0	0	0	0	0
0.984084	0.939239	0	0	0	0	0	0
0.97676	0.950947	0	0	0	0	0	0
0.970435	0.962459	0	0	0	0	0	0
0.975187	0.949587	0	0	0	0	0	0
0.987111	0.970327	0	0	0	0	5	5
0.991397	0.998015	0	0	0	0	0	0
0.021069	0.010569	0	0	0	0	0	0
0.941245	0.931383	0	0	0	0	0	0
0.993541	0.997363	0	0	0	0	0	0
0.994002	0.972476	0	0	0	0	0	0
0.985198	0.898912	0.01	0	0	0	0	0
0.150944	0.035862	0.02	0	0	0	0	0
0.993545	0.984577	0	0	0	0	0	0
0.982134	0.967353	0	0	0	0	0	0
0.980439	0.969097	0	0	0	0	0	0
0.962679	0.810486	0	0	0	0	0	0
0.961054	0.946399	0	0	0	0	0	0
0.961197	0.958573	0	0	0	0	0	0
0.994417	0.992166	0	0	0	0	0	0
0.011504	0.009704	0	0	0	0	0	0
0.052455	0.058691	0	0	0	0	0	0
0.04355	0.089845	0	0	0	0	0	0
0.98433	0.920259	0	0	0	0	0	0
0.956509	0.947355	0	0	0	0	0	0
0.008962	0.012941	0	0	0	0	0	0
0.991662	0.993597	0	0	0	0	0	0
0.114797	0.52367	0.15	0	0	0	0	0
0.029663	0.0885	0	0	0	0	0	0
0.056968	0.274958	0	0	0	0	0	0
0.027203	0.107883	0	0	0	0	0	0
0.892476	0.948979	0	0	0	0	0	0
0.013615	0.031951	0	0	0	0	0	0
0.995188	0.980129	0	0	0	0	0	0
0.648994	0.933599	0.17	0	0	0	0	0
0.99363	0.988769	0	0	0	0	0	0
0.006412	0.010158	0	0	0	0	0	0
0.003164	0.02372	0	0	0	0	0	0
0.998507	0.996943	0	0	2	0	0	0
0.988914	0.996273	0	0	0	0	4	0
0.042843	0.02851	0	0	0	0	0	0
0.995567	0.995671	0	0	0	0	0	0
0.334647	0.327316	0	0	0	0	0	0
0.98852	0.941434	0	0	0	0	0	0
0.951387	0.960267	0	0	0	0	0	0

0.854115	0.774526	0	0	0	0	0	0
0.99723	0.998094	0	0	0	0	0	0
0.010262	0.00349	0	0	0	0	0	0
0.988169	0.984434	0	0	0	0	0	0
0.972841	0.983106	0	0	0	0	0	0
0.120265	0.023915	0.03	0	0	0	0	0
0.993405	0.981815	0	0	0	0	0	0
0.01844	0.039343	0	0	0	0	0	0
0.966968	0.967468	0	0	0	0	0	0
0.992686	0.963781	0	0	0	0	0	0
0.986552	0.929265	0	0	0	0	0	0
0.990386	0.970667	0	0	0	0	0	0
0.917413	0.5595	0.11	0	0	0	0	0
0.992003	0.979179	0	0	0	0	0	0
0.988915	0.729187	0.11	0	0	0	0	0
0.990595	0.98666	0	0	0	0	0	0
0.994056	0.988001	0	0	0	0	0	0
0.024321	0.021681	0	0	0	0	0	0
0.064444	0.072461	0	0	0	0	0	0
0.217045	0.035832	0.01	0	0	0	0	0
0.916294	0.941669	0	0	0	0	0	0
0.96843	0.942284	0	0	0	0	0	0
0.927036	0.960549	0	0	0	0	0	0
0.053419	0.072189	0	0	0	0	0	0
0.969997	0.951166	0	0	0	0	0	0
0.98196	0.984731	0	0	0	0	0	0
0.979624	0.973025	0	0	0	0	0	0
0.976377	0.9386	0	0	0	0	0	0
0.960436	0.967093	0	0	0	0	0	0
0.966385	0.93471	0	0	0	0	0	0
0.948367	0.944711	0	0	0	0	0	0
0.965125	0.969099	0	0	0	0	0	0
0.843323	0.948834	0	0	0	0	0	0
0.988756	0.936269	0	0	0	0	0	0
0.993903	0.996829	0	0	0	0	0	0
0.979605	0.921916	0.01	0	0	0	0	0
0.988171	0.993451	0	0	0	0	0	0
0.992956	0.993051	0	0	0	0	0	0
0.999235	0.996261	0	0	0	0	0	0
0.798472	0.693231	0.03	0	0	0	0	0
0.989798	0.99097	0	0	0	0	0	0
0.986925	0.985013	0	0	0	0	0	0
0.009333	0.01466	0	0	0	0	0	0
0.008991	0.027247	0	0	0	0	0	0
0.994071	0.991565	0	0	0	0	0	0
0.964552	0.786998	0.06	0	0	0	0	0
0.995771	0.994941	0	0	0	0	0	0

0.834735	0.354842	0.14	0	0	0	0	0
0.011525	0.017762	0	0	0	0	0	0
0.986719	0.992071	0	0	0	0	0	0
0.97982	0.955567	0	0	0	0	0	0
0.97505	0.96744	0	0	0	0	0	0
0.896487	0.808807	0	0	0	0	0	0
0.926443	0.850746	0	0	0	0	0	0
0.985211	0.991796	0	0	0	0	0	0
0.986742	0.989795	0	0	0	0	0	0
0.989851	0.986413	0	0	0	0	0	0
0.70925	0.457071	0.03	0	0	0	0	0
0.9806	0.831215	0.02	0	0	0	0	0
0.045074	0.047012	0	0	0	0	0	0
0.983793	0.939827	0	0	0	0	0	0
0.015979	0.080377	0	0	0	0	0	0
0.01814	0.033288	0	0	0	0	0	0
0.678791	0.515446	0	0	0	0	0	0
0.824874	0.59734	0.07	0	0	5	0	0
0.99021	0.975693	0	0	0	0	0	0
0.019722	0.007389	0	0	0	0	0	0
0.053425	0.020555	0	0	0	0	0	0
0.070782	0.011266	0	0	0	0	0	0
0.992386	0.998091	0	0	0	0	0	0
0.970649	0.961025	0	0	0	0	0	0
0.753498	0.425782	0.15	0	0	0	0	0
0.991943	0.99556	0	0	0	0	0	0
0.988831	0.98328	0	0	0	0	0	0
0.988049	0.953194	0	0	0	0	0	0
0.025866	0.035443	0	0	0	0	0	0
0.978801	0.943196	0	0	0	0	0	0
0.969231	0.796071	0	0	0	0	0	0
0.961404	0.938019	0	0	0	0	0	0
0.970866	0.968443	0	0	0	0	0	0
0.006709	0.009956	0	0	0	0	0	0
0.050362	0.132248	0	0	0	0	0	0
0.011712	0.029529	0	0	0	0	0	0
0.917572	0.881057	0	0	0	0	0	0
0.953605	0.948689	0	0	0	0	0	0
0.9641	0.930852	0	0	0	0	0	0
0.978861	0.961137	0	0	0	0	0	0
0.036954	0.198555	0.01	0	0	0	0	0
0.973615	0.96511	0	0	0	0	0	0
0.989407	0.900865	0.01	0	0	0	0	0
0.956292	0.862224	0.02	0	0	0	0	0
0.895073	0.780469	0	0	0	0	0	0
0.7301	0.500249	0.1	0	0	0	0	0
0.985644	0.973498	0	0	0	0	0	0

0.987486	0.972098	0	0	0	0	0	0
0.65339	0.463081	0	0	0	0	0	0
0.435372	0.559779	0	0	0	0	0	0
0.502392	0.678664	0	0	0	0	0	0
0.582595	0.785384	0	0	0	0	0	0
0.869029	0.949841	0.03	0	0	0	0	0
0.883801	0.958341	0.02	0	0	0	0	0
0.996162	0.989047	0	0	0	0	0	0
0.009123	0.03907	0	0	0	0	0	0
0.993437	0.946517	0	0	0	0	0	0
0.852992	0.91511	0	0	0	0	0	0
0.97094	0.897513	0	0	0	0	0	0
0.991822	0.996264	0	0	0	0	0	0
0.986178	0.968613	0	0	0	0	0	0
0.991853	0.994618	0	0	0	0	0	0
0.988835	0.99394	0	0	0	0	0	0
0.082583	0.312742	0.06	0	0	0	0	0
0.968395	0.990098	0	0	0	0	0	0
0.991218	0.988707	0	0	0	0	0	0
0.987469	0.987973	0	0	0	0	0	0
0.983474	0.986286	0	0	0	0	0	0
0.98416	0.986759	0	0	0	0	0	0
0.987877	0.971972	0	0	0	0	0	0
0.994076	0.993907	0	0	0	0	0	0
0.012132	0.017377	0	0	0	0	0	0
0.995906	0.991916	0	0	0	0	0	0
0.996399	0.940651	0.02	0	0	0	0	0
0.97962	0.981621	0	0	0	0	0	0
0.974315	0.942171	0	0	0	0	0	0
0.550971	0.462479	0	0	0	0	0	0
0.991118	0.98911	0	0	0	0	0	0
0.885175	0.991771	0.02	0	0	0	0	0
0.994699	0.983115	0	0	0	0	0	0
0.984543	0.968895	0	0	0	0	0	0
0.985034	0.980744	0	0	0	0	0	0
0.039747	0.121206	0	0	0	0	0	0
0.987235	0.99176	0	0	0	0	0	0
0.774496	0.224744	0.39	0	0	0	0	0
0.941063	0.994331	0	0	0	0	0	0
0.994205	0.775998	0.12	0	0	0	0	0
0.284762	0.478463	0.05	0	0	0	0	0
0.98644	0.94482	0	0	0	0	0	0
0.987854	0.977245	0	0	0	0	0	0
0.981566	0.936599	0	0	0	0	0	0
0.9905	0.799309	0.06	0	0	0	0	0
0.933702	0.602421	0.08	0	0	0	0	0
0.944589	0.962765	0	0	0	0	0	0

0.965485	0.964632	0	0	0	0	0	0
0.969598	0.925433	0	0	0	0	0	0
0.982228	0.972159	0	0	0	0	0	0
0.036168	0.096222	0	0	0	0	0	0
0.953446	0.97707	0	0	0	0	0	0
0.984324	0.95009	0	0	0	0	0	0
0.972934	0.932509	0	0	0	0	0	0
0.030162	0.14462	0	0	0	0	0	0
0.985872	0.974558	0	0	0	0	0	0
0.824449	0.965046	0	0	0	0	0	0
0.039	0.105977	0	0	0	0	0	0
0.959794	0.950351	0	0	0	0	0	0
0.997154	0.99873	0	0	0	0	0	0
0.992772	0.98024	0	0	0	0	0	0
0.267688	0.264403	0	0	0	0	0	0
0.868463	0.758244	0	0	0	0	0	0
0.892706	0.805681	0	0	0	0	0	0
0.876779	0.831539	0	0	0	0	0	0
0.981775	0.986346	0	0	0	0	0	0
0.99276	0.990043	0	0	0	0	0	0
0.990325	0.987467	0	0	0	0	0	0
0.014003	0.041738	0	0	0	0	0	0
0.991111	0.941204	0	0	0	0	0	0
0.98761	0.983627	0	0	0	0	0	0
0.989925	0.98616	0	0	0	0	0	0
0.993199	0.985218	0	0	0	0	0	0
0.992527	0.945754	0	0	0	0	0	0
0.968685	0.981632	0	0	0	0	0	0
0.794369	0.931016	0.05	0	0	0	0	0
0.828297	0.950861	0.05	0	0	0	0	0
0.985446	0.941863	0	0	0	0	0	0
0.989219	0.932695	0	0	0	0	0	0
0.017382	0.036735	0	0	0	0	0	0
0.992298	0.978323	0	0	0	0	0	0
0.989456	0.974085	0	0	0	0	0	0
0.024937	0.050928	0	0	0	0	0	0
0.023936	0.04536	0	0	0	0	0	0
0.989922	0.982743	0	0	0	0	0	0
0.984659	0.978858	0	0	0	0	0	0
0.993402	0.930966	0	0	0	0	0	0
0.977243	0.967529	0	0	0	0	0	0
0.944384	0.930909	0	0	0	0	0	0
0.98733	0.970812	0	0	0	0	0	0
0.974822	0.975112	0	0	0	0	0	0
0.085845	0.03942	0	0	0	0	0	0
0.026707	0.05296	0	0	0	0	0	0
0.986315	0.943354	0	0	0	0	0	0

0.028959	0.025493	0	0	0	0	0	0
0.055363	0.595638	0.19	0	0	0	0	0
0.988317	0.97418	0	0	0	0	0	0
0.986973	0.95458	0	0	0	0	0	0
0.360372	0.305487	0	0	0	0	0	0
0.994082	0.98492	0	0	0	0	0	0
0.992798	0.969831	0	0	0	0	0	0
0.991195	0.961368	0	0	0	0	0	0
0.984114	0.947324	0	0	0	0	0	0
0.98874	0.841142	0.06	0	0	0	0	0
0.990881	0.925234	0	0	0	0	0	0
0.987793	0.993145	0	0	0	0	0	0
0.347044	0.555749	0	0	0	0	0	0
0.924331	0.955026	0	0	0	0	0	0
0.107346	0.071703	0	0	0	0	0	0
0.70156	0.832505	0	0	0	0	0	0
0.611926	0.69271	0	0	0	0	0	0
0.584748	0.631539	0	0	0	0	0	0
0.198657	0.383194	0	0	0	0	0	0
0.420894	0.590746	0	0	0	0	0	0
0.722274	0.841142	0	0	0	0	0	0
0.708926	0.818623	0	0	0	0	0	0
0.714545	0.854395	0	0	0	5	0	0
0.803248	0.963294	0	0	0	0	0	0
0.810552	0.960363	0	0	0	0	0	0
0.962481	0.969734	0	0	0	0	0	0
0.951855	0.938282	0	0	0	0	0	0
0.952363	0.899867	0	0	0	0	0	0
0.92055	0.93659	0	0	0	0	0	0
0.91099	0.940951	0	0	0	0	0	0
0.955326	0.939861	0	0	0	0	0	0
0.864609	0.869774	0	0	0	0	0	0
0.913638	0.917149	0	0	0	0	0	0
0.992906	0.998895	0	0	0	0	0	0
0.993812	0.998193	0	0	0	0	0	0
0.995382	0.995692	0	0	0	0	0	0
0.973332	0.934109	0	0	0	0	0	0
0.969224	0.955408	0	0	0	0	0	0
0.961642	0.94252	0	0	0	0	0	0
0.993482	0.990255	0	0	0	0	0	0
0.993503	0.990803	0	0	0	0	0	0
0.967063	0.6311	0.14	0	0	0	0	0
0.989498	0.94112	0	0	0	0	0	0
0.934519	0.939981	0	0	0	0	0	0
0.033111	0.057827	0	0	0	0	0	0
0.017468	0.022621	0	0	0	0	0	0
0.013485	0.068204	0	0	0	0	0	0

0.995149	0.995634	0	0	0	0	0	0
0.996733	0.997303	0	0	0	0	0	0
0.996396	0.997829	0	0	0	0	0	0
0.990002	0.978506	0	0	0	0	0	0
0.024454	0.029329	0	0	0	0	0	0
0.017649	0.026686	0	0	1	0	2	2
0.556893	0.346341	0	0	0	0	0	0
0.96516	0.954405	0	0	0	0	0	0
0.962655	0.473269	0.2	0	0	0	2	0
0.231198	0.390699	0	0	0	0	0	0
0.029335	0.055123	0	0	0	0	0	0
0.023941	0.018303	0	0	0	0	0	0
0.736194	0.674417	0	0	0	0	0	0
0.602542	0.509616	0	0	0	0	0	0
0.895838	0.784958	0	0	0	0	0	0
0.959253	0.805794	0	0	0	7	11	0
0.97081	0.779426	0	0	0	0	0	0
0.959898	0.700753	0	0	0	0	0	0
0.831892	0.685645	0	0	0	0	0	0
0.999144	0.988027	0	0	0	0	0	0
0.027945	0.062103	0.04	0	0	0	0	0
0.999416	0.997357	0	0	0	0	0	0
0.992136	0.986124	0	0	0	0	9	0
0.962826	0.940591	0	0	0	0	0	0
0.971183	0.984128	0	0	0	0	0	0
0.959109	0.918765	0	0	0	0	0	0
0.984934	0.972332	0	0	0	0	0	0
0.023574	0.044303	0	0	0	0	0	0
0.986061	0.978551	0	0	0	0	0	0
0.760618	0.876496	0	0	0	0	0	0
0.790742	0.969302	0	0	0	0	0	0
0.955329	0.971099	0	0	0	0	0	0
0.76536	0.805452	0	0	0	0	0	0
0.997856	0.997255	0	0	0	0	0	0
0.998241	0.987057	0	0	0	0	0	0
0.016137	0.007035	0	0	0	0	0	0
0.997717	0.99286	0	0	0	0	0	0
0.989258	0.977266	0	0	0	0	0	0
0.991486	0.986193	0	0	0	0	0	0
0.027038	0.097824	0	0	0	0	0	0
0.02566	0.025717	0	0	0	0	0	0
0.956052	0.908947	0	0	0	0	0	0
0.969362	0.943964	0	0	0	0	0	0
0.934862	0.938442	0	0	0	0	0	0
0.942445	0.811107	0	0	0	0	0	0
0.934058	0.949103	0	0	0	0	0	0
0.980136	0.927029	0	0	0	0	0	0

0.983565	0.963933	0	0	0	0	0	0
0.977603	0.948269	0	0	0	0	0	0
0.981432	0.972082	0	0	0	0	0	0
0.990806	0.986361	0	0	0	0	0	0
0.990555	0.99064	0	0	0	0	0	0
0.67206	0.669124	0	0	0	0	0	0
0.932172	0.945156	0	0	0	0	0	0
0.036698	0.065833	0	0	0	0	0	0
0.968372	0.991352	0	0	0	0	0	0
0.973518	0.933722	0	0	0	0	0	0
0.005596	0.011486	0	0	0	0	0	0
0.972881	0.960537	0	0	0	0	0	0
0.977914	0.980297	0	0	0	0	0	0
0.973408	0.963137	0	0	0	0	0	0
0.993614	0.990009	0	0	0	0	0	0
0.994444	0.988154	0	0	0	0	0	0
0.987972	0.966867	0	0	0	0	0	0
0.996847	0.986322	0	0	0	0	0	0
0.993087	0.979039	0	0	0	0	0	0
0.994888	0.989366	0	0	0	0	0	0
0.997681	0.988577	0	0	0	0	0	0
0.97071	0.967143	0	0	0	0	0	0
0.974152	0.983452	0	1	0	0	1	1
0.96594	0.982626	0	1	0	0	0	0
0.022356	0.023204	0	0	0	0	0	0
0.893933	0.923819	0	0	0	0	0	0
0.988678	0.990817	0	0	0	0	0	0
0.978386	0.990056	0	0	0	0	0	0
0.987133	0.991038	0	0	0	0	0	0
0.986074	0.988386	0	0	0	0	0	0
0.983002	0.986363	0	0	0	0	0	0
0.992356	0.986551	0	0	0	0	0	2
0.990544	0.979596	0	0	0	0	0	0
0.888438	0.991003	0.03	0	0	0	0	0
0.993171	0.762586	0.07	0	0	0	0	0
0.994741	0.995992	0	0	0	0	0	0
0.885124	0.971934	0	0	0	0	0	0
0.880325	0.955615	0	0	0	0	0	0
0.883595	0.959094	0	0	0	0	0	0
0.970767	0.946655	0	0	0	0	0	0
0.979558	0.933864	0	0	0	0	0	0
0.964983	0.948245	0	0	0	0	0	0
0.994714	0.993013	0	0	0	0	0	0
0.760502	0.897431	0	0	0	0	0	0
0.1624	0.020786	0.05	0	0	0	0	0
0.897508	0.927827	0	0	0	0	0	0
0.994844	0.997739	0	0	0	0	0	0

0.015313	0.006392	0	0	0	0	0	0
0.964429	0.949915	0	0	0	0	0	0
0.993941	0.985404	0	0	0	0	0	0
0.997133	0.998188	0	0	0	0	0	0
0.978013	0.989069	0	0	0	0	0	0
0.973518	0.963581	0	0	0	0	0	0
0.976849	0.949545	0	0	0	0	0	0
0.019405	0.051792	0	0	0	0	0	0
0.947101	0.597424	0.27	0	0	0	0	0
0.973763	0.979564	0	0	0	0	0	0
0.9171	0.802246	0	0	0	0	0	4
0.92792	0.630318	0.02	0	0	0	0	0
0.940431	0.918895	0	0	0	0	0	0
0.999154	0.998806	0	0	0	0	0	0
0.999535	0.999727	0	0	0	0	0	0
0.946934	0.936894	0	0	0	0	0	0
0.95104	0.933058	0	0	0	0	0	0
0.907931	0.259897	0.37	0	0	0	0	0
0.676194	0.490796	0	0	0	0	0	0
0.992957	0.975128	0	0	0	0	0	0
0.977599	0.989285	0	0	0	0	0	0
0.030285	0.036153	0	0	0	0	0	0
0.995011	0.996277	0	0	0	0	0	0
0.99048	0.995851	0	0	0	0	0	0
0.975232	0.92229	0	0	0	0	0	0
0.018878	0.038614	0	0	0	0	0	0
0.010782	0.018218	0	0	0	0	0	0
0.95798	0.975273	0	0	0	0	0	0
0.991195	0.981459	0	0	0	0	0	0
0.992391	0.978895	0	0	0	0	0	0
0.997897	0.995879	0	0	0	0	0	0
0.985967	0.93007	0	0	0	0	0	0
0.99553	0.987324	0	0	0	0	0	0
0.996521	0.988211	0	0	0	0	0	0
0.955924	0.931252	0	0	0	0	0	0
0.966937	0.951746	0	0	0	0	0	0
0.046172	0.069701	0	0	0	0	0	0
0.95073	0.942114	0	0	0	0	0	0
0.94213	0.948094	0	0	0	0	0	0
0.991252	0.984973	0	0	0	0	0	0
0.994875	0.95589	0	0	0	0	0	0
0.523964	0.469977	0	0	0	0	0	0
0.975951	0.974845	0	0	0	0	0	0
0.974337	0.96933	0	0	0	0	0	0
0.94909	0.296992	0.44	0	0	0	0	0
0.910318	0.785294	0	0	3	0	0	0
0.912804	0.894322	0	0	0	0	0	0

0.988874	0.972337	0	0	0	0	0	0
0.983884	0.963662	0	0	0	0	0	0
0.030894	0.074035	0	0	0	0	0	0
0.029218	0.028855	0	0	0	0	0	0
0.985946	0.984052	0	0	0	0	0	0
0.988749	0.977273	0	0	0	0	0	0
0.971141	0.926654	0	0	0	0	0	0
0.948254	0.904998	0	0	0	0	0	0
0.986324	0.965249	0	0	0	0	0	0
0.968599	0.960639	0	0	0	0	0	0
0.9714	0.952748	0	0	0	0	0	0
0.987326	0.982057	0	0	0	0	0	0
0.986313	0.976492	0	0	0	0	0	0
0.997742	0.990602	0	0	0	0	0	0
0.997234	0.974771	0	0	0	0	0	0
0.998187	0.987712	0	0	0	0	0	0
0.995612	0.886358	0.01	0	0	0	0	0
0.995076	0.986691	0	0	0	0	0	0
0.985991	0.962203	0	0	0	0	0	0
0.114085	0.088967	0	0	0	0	0	0
0.082991	0.085655	0	0	0	0	0	0
0.990813	0.975518	0	0	0	0	0	0
0.989208	0.979294	0	0	0	0	0	0
0.991132	0.983402	0	0	0	0	0	0
0.054682	0.1157	0	0	0	0	0	0
0.994498	0.96116	0	0	0	0	0	0
0.996633	0.990514	0	0	0	0	0	0
0.969777	0.974826	0	0	0	0	0	0
0.030265	0.010426	0	0	0	0	0	0
0.985412	0.987275	0	0	0	0	0	0
0.991766	0.996622	0	0	0	0	0	0
0.979373	0.984122	0	0	0	0	0	0
0.991177	0.986144	0	0	0	0	0	0
0.916906	0.950618	0	0	0	0	0	0
0.990332	0.987797	0	0	0	0	0	0
0.008175	0.009374	0	0	0	0	0	0
0.974338	0.962522	0	0	0	0	0	0
0.005366	0.004657	0	0	0	0	0	0
0.977488	0.941093	0	0	0	0	0	0
0.015939	0.0095	0	0	0	0	0	0
0.997806	0.976612	0	0	0	0	0	0
0.981632	0.976555	0	0	0	0	0	0
0.00752	0.006855	0	0	0	0	0	0
0.985535	0.90229	0.02	0	0	0	0	0
0.949397	0.741404	0	0	0	0	0	0
0.987146	0.948678	0	0	0	0	0	0
0.932878	0.962167	0	0	0	0	0	0

0.873231	0.919765	0	0	0	0	0	0
0.994571	0.968907	0	0	0	0	0	0
0.985533	0.990218	0	0	0	0	0	0
0.950134	0.886652	0	0	0	0	0	0
0.996689	0.998593	0	0	0	0	0	0
0.933826	0.955554	0	0	0	0	0	0
0.937152	0.950826	0	0	0	0	0	0
0.950161	0.950585	0	0	0	0	0	0
0.923658	0.840883	0	0	0	0	0	0
0.951752	0.94472	0	0	0	0	0	0
0.95984	0.973788	0	0	0	0	0	0
0.975685	0.960987	0	0	0	0	0	0
0.113505	0.070551	0	0	0	0	0	0
0.935841	0.944647	0	0	0	0	0	0
0.938687	0.964664	0	0	0	0	0	0
0.953108	0.984373	0	0	0	0	0	0
0.977727	0.986969	0	0	0	0	0	0
0.554938	0.474874	0	0	0	0	0	0
0.985901	0.965641	0	0	0	0	0	0
0.389052	0.589441	0.01	0	0	0	0	0
0.063579	0.057884	0	0	0	0	0	0
0.936618	0.939847	0	0	0	0	0	0
0.960446	0.953448	0	0	0	0	0	0
0.973747	0.896395	0	0	0	0	0	0
0.950243	0.837115	0	0	0	0	0	0
0.952376	0.933	0	0	0	0	0	0
0.982114	0.993758	0	0	0	0	0	0
0.98322	0.989926	0	0	0	0	0	0
0.906874	0.960191	0	0	0	0	0	0
0.897358	0.946384	0	0	0	0	0	0
0.868874	0.901212	0	0	0	0	0	0
0.78113	0.878194	0	0	0	0	0	0
0.837666	0.905661	0	0	0	0	0	0
0.970675	0.972652	0	0	0	0	0	0
0.960047	0.977213	0	0	0	0	0	0
0.942889	0.949272	0	0	0	0	0	0
0.333861	0.941328	0.25	0	0	0	4	4
0.965728	0.950133	0	0	0	0	0	0
0.771853	0.843122	0	0	0	0	0	0
0.951613	0.956383	0	0	0	0	0	0
0.704027	0.98075	0.17	0	0	4	0	0
0.223693	0.009157	0.09	0	0	0	0	0
0.98412	0.988714	0	0	0	0	0	0
0.983126	0.992223	0	0	0	0	0	0
0.977105	0.969234	0	0	0	0	0	0
0.979385	0.978154	0	0	0	0	0	0
0.975218	0.972744	0	0	0	0	0	0

0.957944	0.972038	0	0	0	0	0	0
0.959636	0.975964	0	0	0	0	0	0
0.993986	0.989204	0	0	0	0	0	0
0.995002	0.991822	0	0	0	0	0	0
0.992645	0.990887	0	0	0	0	0	0
0.993348	0.950104	0	0	0	0	0	0
0.998347	0.997327	0	0	0	0	0	0
0.001816	0.004705	0	0	0	0	0	0
0.997354	0.996491	0	0	0	0	0	0
0.033346	0.059805	0	0	0	0	0	0
0.997184	0.992527	0	0	0	0	0	0
0.019409	0.013322	0	0	0	0	0	0
0.995976	0.997902	0	0	0	0	0	0
0.993114	0.997965	0	0	0	0	0	0
0.995076	0.99058	0	0	0	0	0	0
0.817904	0.889539	0	0	0	0	0	0
0.996795	0.993035	0	0	0	0	0	0
0.004123	0.011844	0	0	0	0	0	0
0.024889	0.052238	0	0	0	0	0	0
0.978441	0.979761	0	0	0	0	0	0
0.010957	0.027446	0	0	0	0	0	0
0.97995	0.992102	0	0	0	0	0	0
0.986334	0.990708	0	0	0	0	0	0
0.986745	0.992015	0	0	0	0	0	0
0.020894	0.036519	0	0	0	0	0	0
0.069104	0.020376	0	0	0	0	0	0
0.986193	0.977859	0	0	0	0	0	0
0.999317	0.9989	0	0	0	0	0	0
0.024683	0.090995	0.03	0	1	9	0	0
0.998313	0.787454	0.15	5	0	0	4	2
0.996701	0.979063	0	0	0	0	0	0
0.031366	0.069623	0	0	0	0	0	0
0.995763	0.977487	0	0	0	0	0	0
0.990965	0.989444	0	0	0	0	0	0
0.98134	0.996348	0	0	0	0	0	0
0.98857	0.917113	0	0	0	0	0	0
0.992378	0.943684	0	0	0	0	0	0
0.993621	0.963508	0	0	0	0	0	0
0.988469	0.992936	0	0	0	0	0	0
0.845829	0.89157	0	0	0	0	0	0
0.981308	0.984632	0	0	0	0	0	0
0.981829	0.976319	0	0	0	0	0	0
0.979506	0.989851	0	0	0	0	0	0
0.98738	0.99199	0	0	0	0	0	0
0.988727	0.99439	0	0	0	0	0	0
0.971836	0.945438	0	0	0	0	0	0
0.969569	0.958387	0	0	0	0	0	0

0.766579	0.887221	0	0	0	0	0	0
0.037553	0.057104	0	0	0	0	0	0
0.026103	0.010726	0	0	0	0	0	0
0.668737	0.748688	0	0	0	0	0	0
0.954377	0.908751	0	0	0	0	0	0
0.967389	0.956125	0	0	0	0	0	0
0.9878	0.942748	0	0	0	0	0	0
0.986918	0.978925	0	0	0	0	0	0
0.984773	0.9716	0	0	0	0	0	0
0.976004	0.942606	0	0	0	0	0	0
0.989413	0.985917	0	0	0	0	0	0
0.988107	0.986045	0	0	0	0	0	0
0.985988	0.861896	0.03	0	0	0	0	0
0.97622	0.968688	0	0	0	0	0	0
0.038024	0.063465	0	0	0	0	0	0
0.055937	0.038444	0	0	0	0	0	0
0.372213	0.231315	0	0	0	0	0	0
0.860513	0.824569	0	0	0	0	0	0
0.965178	0.837893	0	0	0	0	0	0
0.977936	0.948314	0	0	0	0	0	0
0.039812	0.071763	0	0	0	0	0	0
0.970996	0.763433	0.04	0	0	0	0	0
0.998243	0.973308	0	0	0	0	0	0
0.996246	0.994248	0	0	0	0	2	1
0.998975	0.994603	0	0	0	0	0	0
0.99866	0.940032	0.02	0	0	0	0	0
0.996975	0.983816	0	0	0	0	0	0
0.997715	0.981734	0	0	0	0	0	0
0.997417	0.990285	0	0	0	0	0	0
0.997484	0.98409	0	0	0	0	0	0
0.997664	0.986872	0	0	0	0	0	0
0.027132	0.049846	0	0	0	0	0	0
0.996456	0.996866	0	0	0	0	0	0
0.01041	0.016474	0	0	0	0	0	0
0.997037	0.995761	0	0	0	0	0	0
0.994755	0.995691	0	0	0	0	0	0
0.996615	0.995967	0	0	0	0	0	0
0.615163	0.316127	0.14	0	0	0	0	0
0.99698	0.995299	0	0	0	0	0	0
0.997681	0.996964	0	0	0	0	0	0
0.978189	0.975248	0	0	0	0	0	0
0.984068	0.97696	0	0	0	0	0	0
0.986329	0.981229	0	0	0	0	0	0
0.991535	0.991791	0	0	0	0	0	0
0.01916	0.014536	0	0	0	0	0	0
0.989905	0.994533	0	0	0	0	0	0
0.985537	0.951077	0	0	0	0	0	0

0.987609	0.973333	0	0	0	0	0	0
0.966625	0.966823	0	0	0	0	0	0
0.988337	0.985291	0	0	0	0	0	0
0.990422	0.973991	0	0	0	0	0	0
0.970437	0.743779	0.1	0	0	0	6	0
0.990267	0.779624	0.08	0	0	0	0	3
0.992555	0.98042	0	0	0	0	4	4
0.991467	0.989312	0	1	0	0	0	0
0.973781	0.973633	0	0	0	0	0	0
0.952124	0.976405	0	3	0	0	0	0
0.026181	0.055835	0	0	0	0	0	0
0.019466	0.044474	0	0	0	0	0	0
0.77369	0.963976	0.03	0	0	0	0	0
0.954498	0.695193	0.18	0	0	0	0	0
0.832016	0.90456	0	0	0	0	0	0
0.991188	0.991091	0	0	0	0	0	0
0.32321	0.240756	0	0	0	0	0	0
0.997429	0.993082	0	0	0	0	0	0
0.989384	0.912978	0.02	0	0	0	0	0
0.949266	0.836599	0	0	0	0	0	0
0.969228	0.981171	0	0	0	0	0	0
0.020395	0.032705	0	0	0	0	0	0
0.939457	0.831621	0	0	0	0	1	1
0.995244	0.984642	0	0	0	0	0	0
0.993578	0.988928	0	0	0	0	0	0
0.994131	0.984794	0	0	0	0	0	0
0.005607	0.017171	0	0	0	0	0	0
0.969812	0.962237	0	0	0	0	0	0
0.997601	0.993122	0	0	0	0	0	0
0.972427	0.943738	0	0	0	0	0	0
0.969137	0.922965	0	0	0	0	0	0
0.9623	0.963972	0	0	0	0	0	0
0.046513	0.066866	0	0	0	0	0	0
0.956265	0.741775	0	0	0	0	0	0
0.022516	0.022655	0	0	0	0	0	0
0.987587	0.989785	0	0	0	0	0	0
0.988143	0.992424	0	0	0	0	0	0
0.984476	0.993619	0	0	0	0	0	0
0.988146	0.993472	0	0	0	0	0	0
0.986654	0.989765	0	0	0	0	0	0
0.958554	0.982976	0	0	0	0	0	0
0.953509	0.984295	0	0	0	0	0	0
0.737549	0.933339	0.07	0	0	0	0	0
0.962662	0.991498	0	0	0	0	0	0
0.039059	0.131001	0	0	0	0	0	0
0.989802	0.975261	0	0	0	0	0	0
0.991221	0.974421	0	0	0	0	0	0

0.016928	0.02569	0	0	0	0	0	0
0.984907	0.95089	0	0	0	0	0	0
0.995959	0.995921	0	0	0	0	0	0
0.984557	0.977121	0	0	0	0	0	0
0.017733	0.041235	0	0	0	0	0	0
0.997256	0.835024	0.1	0	0	0	0	0
0.973783	0.959033	0	0	0	0	0	0
0.995319	0.939586	0.01	0	0	0	0	0
0.993965	0.981842	0	0	0	0	0	0
0.99345	0.995105	0	0	0	0	0	0
0.018577	0.074625	0	0	0	0	0	0
0.990162	0.959173	0	0	0	0	0	0
0.990071	0.957205	0	0	0	0	0	0
0.978266	0.889643	0	0	0	0	0	0
0.990402	0.960339	0	0	0	0	0	0
0.988852	0.990749	0	0	0	0	0	0
0.989636	0.997242	0	0	0	0	0	0
0.991456	0.988841	0	0	0	0	0	0
0.946136	0.943692	0	0	0	0	0	0
0.567484	0.119812	0.02	0	0	0	0	0
0.930198	0.96121	0	0	0	0	0	0
0.997582	0.992615	0	0	0	0	0	0
0.996312	0.995073	0	0	0	0	0	0
0.993024	0.994041	0	0	0	0	0	0
0.028897	0.035924	0	0	0	0	0	0
0.997399	0.985928	0	0	0	0	0	0
0.985313	0.993611	0	0	0	0	0	0
0.990581	0.975291	0	0	0	0	0	0
0.994798	0.932296	0	0	0	0	0	0
0.996534	0.947199	0	0	0	0	0	0
0.994865	0.98336	0	0	0	0	0	0
0.827343	0.702626	0	0	0	0	0	0
0.993877	0.981618	0	0	0	0	0	0
0.990216	0.979246	0	0	0	0	0	0
0.985616	0.980879	0	0	0	0	0	0
0.992375	0.994976	0	0	0	0	0	0
0.992175	0.995656	0	0	0	0	0	0
0.995152	0.747762	0.13	0	0	0	0	0
0.997994	0.992786	0	0	0	0	0	0
0.933151	0.975984	0	0	0	0	0	0
0.62082	0.240337	0.23	0	0	0	0	0
0.983649	0.993094	0	0	0	0	0	0
0.996484	0.987551	0	0	0	0	0	0
0.976838	0.968093	0	0	0	0	0	0
0.232978	0.490362	0	0	0	0	0	0
0.032438	0.453234	0.13	0	0	0	0	0
0.986672	0.997998	0	0	0	0	0	0

0.023029	0.020992	0	0	0	0	0	0
0.986424	0.996794	0	0	0	0	0	0
0.033557	0.044024	0	0	0	0	0	0
0.995931	0.995556	0	0	0	0	0	0
0.984183	0.961322	0	0	0	0	0	0
0.391456	0.028585	0.2	0	0	0	0	0
0.994444	0.996703	0	0	0	0	0	0
0.991832	0.99736	0	0	0	0	0	0
0.015938	0.0147	0	0	0	0	0	0
0.994235	0.996326	0	0	0	0	0	0
0.991409	0.988815	0	0	0	0	0	0
0.98448	0.979709	0	0	0	0	0	0
0.993706	0.976486	0	0	0	0	0	0
0.04174	0.282853	0.11	0	0	0	0	0
0.990694	0.992879	0	0	0	0	0	0
0.930532	0.949724	0	0	0	0	0	0
0.984817	0.841127	0.05	0	0	0	0	0
0.986609	0.977299	0	0	0	0	0	0
0.972925	0.923165	0	0	0	0	0	1
0.966521	0.874361	0	0	0	0	0	0
0.966698	0.990643	0	0	0	0	0	0
0.963598	0.985507	0	0	0	0	0	0
0.984284	0.985867	0	0	0	0	0	0
0.025257	0.054156	0	0	0	0	0	0
0.062486	0.094955	0	0	0	0	0	0
0.727426	0.851267	0	0	0	0	0	0
0.955883	0.970158	0	0	0	0	0	0
0.997041	0.990497	0	0	0	0	0	0
0.025561	0.019883	0	0	0	0	0	0
0.989053	0.992635	0	0	0	0	0	0
0.988031	0.883769	0	0	0	0	0	0
0.978984	0.935423	0	0	0	0	0	0
0.99182	0.993314	0	0	0	0	0	0
0.005608	0.004692	0	0	0	0	0	0
0.995181	0.977566	0	0	0	0	0	0
0.994406	0.900227	0.04	0	0	0	0	0
0.036501	0.028193	0	0	0	0	0	0
0.964772	0.968794	0	0	0	0	0	0
0.997623	0.99847	0	0	0	0	0	0
0.995659	0.953022	0.01	0	0	0	0	0
0.007952	0.008592	0	0	0	0	0	0
0.93634	0.946848	0	0	0	0	0	0
0.306535	0.534967	0.06	0	0	0	0	0
0.996464	0.997459	0	0	0	0	0	0
0.993727	0.995381	0	0	0	0	0	0
0.283845	0.542593	0.05	0	0	0	0	0
0.143699	0.330758	0.06	0	0	0	0	0

0.547773	0.509272	0	0	0	0	0	0
0.985354	0.971234	0	0	0	0	0	0
0.95005	0.957465	0	0	0	0	0	0
0.975143	0.978233	0	0	0	0	0	0
0.966562	0.975814	0	0	0	0	0	0
0.969142	0.964449	0	0	0	0	0	0
0.964997	0.984466	0	0	0	0	0	0
0.143847	0.109606	0	0	0	0	0	0
0.958399	0.90835	0	0	0	0	0	0
0.997879	0.997534	0	0	0	0	0	0
0.991416	0.981591	0	0	0	0	0	0
0.995174	0.994282	0	0	0	0	0	0
0.997548	0.977344	0	0	0	0	0	0
0.993525	0.986099	0	0	0	0	0	0
0.974282	0.897096	0	0	0	0	0	0
0.006129	0.009628	0	0	0	0	0	0
0.996632	0.996845	0	0	0	0	0	0
0.992604	0.923865	0.02	0	0	0	0	0
0.960022	0.845545	0.07	0	0	0	0	0
0.987075	0.961521	0.03	0	0	0	0	0
0.062257	0.034751	0	0	0	0	0	0
0.99572	0.993073	0	0	0	0	0	0
0.976344	0.976542	0	0	0	0	0	0
0.997273	0.973753	0	0	0	0	0	0
0.997611	0.991453	0	0	0	0	0	0
0.965444	0.967885	0	0	0	0	0	0
0.613906	0.6726	0	0	0	0	0	0
0.133078	0.150601	0	0	0	0	0	0
0.011617	0.007479	0	0	0	0	0	0
0.994066	0.996287	0	0	0	0	0	0
0.973391	0.990728	0	0	0	0	0	0
0.95916	0.967363	0	0	0	0	0	0
0.939432	0.992453	0	0	0	0	0	0
0.939784	0.9819	0	0	0	0	0	0
0.022076	0.006486	0	0	0	0	0	0
0.938361	0.945125	0	0	0	0	0	0
0.054435	0.016633	0	0	0	0	0	0
0.953814	0.976904	0	0	0	0	0	0
0.074111	0.040413	0	0	0	0	0	0
0.998824	0.989088	0	0	0	0	0	0
0.998986	0.997145	0	0	0	0	0	0
0.994752	0.990266	0	0	0	0	0	0
0.98206	0.988222	0	0	0	0	0	0
0.987978	0.983341	0	0	0	0	0	0
0.025703	0.037777	0	0	0	0	0	0
0.018995	0.028529	0	0	0	0	0	0
0.992274	0.989262	0	0	0	0	0	0

0.995889	0.992542	0	0	0	0	0	0
0.016243	0.053373	0	0	0	0	0	0
0.994526	0.975089	0	0	0	0	0	0
0.991417	0.989259	0	0	0	0	0	0
0.013202	0.027715	0	0	0	0	0	0
0.986571	0.983281	0	0	0	0	0	0
0.988803	0.975614	0	0	0	0	0	0
0.988733	0.973735	0	0	0	0	0	0
0.90591	0.911741	0	0	0	0	0	0
0.945567	0.942012	0	0	0	0	0	0
0.965498	0.955638	0	0	0	0	0	0
0.992466	0.975144	0	0	0	0	0	0
0.017217	0.094532	0	0	0	0	0	0
0.99216	0.978099	0	0	0	0	0	0
0.992919	0.982557	0	0	0	0	0	0
0.993102	0.983209	0	0	0	0	0	0
0.022094	0.112604	0	0	0	0	0	0
0.987184	0.964324	0	0	0	0	0	0
0.990143	0.958655	0	0	0	0	0	0
0.987729	0.955405	0	0	0	0	0	0
0.875823	0.811865	0	0	0	0	0	0
0.958095	0.951172	0	0	0	0	0	0
0.000956	0.002705	0	0	0	0	0	0
0.001163	0.000816	0	0	0	0	0	0
0.005313	0.012611	0	0	0	0	0	0
0.944506	0.959854	0	0	0	0	0	0
0.992169	0.983093	0	0	0	0	0	0
0.99766	0.999158	0	0	0	0	0	0
0.981764	0.986856	0	0	0	0	0	0
0.980892	0.897235	0	0	0	0	0	0
0.973555	0.982662	0	0	0	0	0	0
0.016235	0.008321	0	0	0	0	0	0
0.984077	0.992115	0	0	0	0	0	0
0.992315	0.997508	0	0	0	0	0	0
0.916258	0.928721	0	0	0	0	0	0
0.988578	0.967749	0	0	0	0	0	0
0.001663	0.002644	0	0	0	0	0	0
0.933806	0.966003	0.03	0	0	0	0	0
0.442874	0.249557	0	0	0	0	0	0
0.977235	0.963043	0	0	0	0	0	0
0.992771	0.989806	0	0	0	0	0	0
0.986738	0.990946	0	0	0	0	0	0
0.99018	0.990813	0	0	0	0	0	0
0.982881	0.887782	0	0	0	0	0	0
0.982765	0.986741	0	0	0	0	0	0
0.98482	0.988259	0	0	0	0	0	0
0.988581	0.991477	0	0	0	0	0	0

0.990599	0.98796	0	0	0	0	0	0
0.979917	0.989756	0	0	0	0	0	0
0.981291	0.969184	0	0	0	0	0	0
0.987521	0.986863	0	0	0	0	0	0
0.990193	0.993569	0	0	0	0	0	0
0.988665	0.993244	0	0	0	0	0	0
0.025912	0.014859	0	0	0	0	0	0
0.020399	0.025238	0	0	0	0	0	0
0.998761	0.999423	0	0	0	0	0	0
0.748015	0.363351	0.22	0	0	0	0	0
0.800925	0.891055	0.02	0	0	0	0	0
0.965843	0.981677	0	0	0	0	0	0
0.962824	0.978504	0	0	0	0	0	0
0.88868	0.958057	0	0	0	0	0	0
0.943768	0.992889	0	0	0	0	0	0
0.987163	0.992963	0	0	0	0	0	0
0.988124	0.997164	0	0	0	0	0	0
0.952313	0.94735	0	0	0	0	0	0
0.002355	0.001244	0	0	0	0	0	0
0.993937	0.997947	0	0	0	0	0	0
0.99866	0.996773	0	0	0	0	0	0
0.996743	0.998375	0	0	0	0	0	0
0.996295	0.995424	0	0	0	0	0	0
0.575993	0.418958	0.17	0	0	3	0	0
0.342364	0.334308	0	0	0	0	0	0
0.991225	0.912784	0	0	0	0	0	0
0.925293	0.944646	0	0	0	0	0	0
0.096755	0.090351	0	0	0	0	0	0
0.960793	0.976697	0	0	0	0	0	0
0.802789	0.712473	0	0	0	0	0	0
0.960236	0.972519	0	0	0	0	0	0
0.933663	0.933791	0	0	0	0	0	0
0.950959	0.956029	0	0	0	0	0	0
0.031498	0.180549	0	0	0	0	0	0
0.014089	0.071318	0	0	0	0	0	0
0.967494	0.409718	0.26	0	0	0	0	0
0.959618	0.941874	0	0	0	0	0	0
0.992157	0.964105	0	0	0	0	0	0
0.994451	0.971578	0	0	0	0	0	0
0.985383	0.941501	0	0	0	0	0	0
0.989519	0.941659	0	0	0	0	0	0
0.984268	0.950114	0	0	0	0	0	0
0.989401	0.943785	0	0	0	0	0	0
0.987659	0.953705	0	0	0	0	0	0
0.970078	0.973896	0	0	0	0	0	0
0.975103	0.849611	0	0	0	0	0	0
0.945057	0.981278	0	0	0	0	0	0

0.967362	0.985822	0	0	0	0	0	0
0.953764	0.979679	0	0	0	0	0	0
0.96862	0.992911	0	0	0	0	0	0
0.951936	0.964746	0	0	0	0	0	0
0.96751	0.979881	0	0	0	0	0	0
0.873877	0.948636	0	0	0	0	0	0
0.69654	0.609954	0	0	0	0	0	0
0.996237	0.987919	0	0	0	0	0	0
0.939715	0.928294	0	0	0	0	0	0
0.985674	0.968632	0	0	0	0	0	0
0.977249	0.974282	0	0	0	0	0	0
0.986126	0.970519	0	0	0	0	0	0
0.994541	0.995448	0	0	0	0	0	0
0.599809	0.552144	0	0	0	0	0	0
0.032329	0.031194	0	0	0	0	0	0
0.987623	0.986139	0	0	0	0	0	0
0.029336	0.027084	0	0	0	0	0	0
0.983621	0.968082	0	0	0	0	0	0
0.079212	0.225424	0	0	0	0	0	0
0.966556	0.97515	0	0	0	0	0	0
0.993268	0.992857	0	0	0	0	0	0
0.980962	0.998224	0	0	0	0	0	0
0.975043	0.958147	0	0	0	0	0	0
0.986116	0.97002	0	0	0	0	0	0
0.979553	0.966972	0	0	0	0	0	0
0.975992	0.961236	0	0	0	0	0	0
0.65995	0.889188	0	0	0	0	0	0
0.97107	0.962224	0	0	0	0	0	0
0.22825	0.207311	0	0	0	0	0	0
0.947824	0.956881	0	0	0	0	0	0
0.981478	0.962425	0	0	0	0	0	0
0.942374	0.79485	0.02	0	0	0	0	0
0.943723	0.961211	0	0	0	0	0	0
0.910045	0.949779	0	0	0	0	0	0
0.971763	0.971662	0	0	0	0	0	0
0.933401	0.942847	0	0	0	0	0	0
0.044497	0.013508	0	0	0	0	0	0
0.983596	0.988651	0	0	0	0	0	0
0.033229	0.076807	0	0	0	0	0	0
0.044646	0.019119	0	0	0	0	0	0
0.036919	0.042983	0	0	0	0	0	0
0.986925	0.972836	0	0	0	0	0	0
0.983178	0.981428	0	0	0	0	0	0
0.768868	0.681365	0	0	0	0	0	0
0.93097	0.927467	0	0	0	0	0	0
0.035178	0.01798	0	0	0	0	0	0
0.983261	0.992415	0	0	0	0	0	0

0.885309	0.93629	0	0	0	0	0	0
0.982719	0.984971	0	0	0	0	0	0
0.984709	0.980796	0	0	0	0	0	0
0.969047	0.95813	0	0	0	0	0	0
0.983191	0.982854	0	0	0	0	0	0
0.022002	0.012044	0	0	0	0	0	0
0.947365	0.950236	0	0	0	0	0	0
0.000682	0.000749	0	0	0	0	0	0
0.999785	0.999627	0	0	0	0	0	0
0.972487	0.986791	0	0	0	0	0	0
0.966637	0.971338	0	0	0	0	0	0
0.972368	0.982764	0	0	0	0	0	0
0.930799	0.824754	0	0	0	0	0	0
0.934254	0.96586	0	0	0	0	0	0
0.010671	0.01851	0	0	8	4	0	0
0.999758	0.992728	0	0	0	0	0	8
0.999635	0.99861	0	8	0	0	0	0
0.965702	0.955712	0	0	0	0	0	0
0.977216	0.973821	0	0	0	0	0	0
0.963857	0.954009	0	0	0	0	0	0
0.209921	0.210252	0	0	0	0	0	0
0.998866	0.990337	0	0	0	0	0	0
0.997718	0.992112	0	0	0	0	0	0
0.991943	0.991916	0	0	0	0	0	0
0.994845	0.956437	0.01	0	0	0	0	0
0.999299	0.994307	0	0	0	0	0	0
0.994375	0.74696	0.14	6	0	0	0	0
0.994125	0.611447	0.26	6	0	0	6	6
0.99626	0.765854	0.09	6	0	6	4	4
0.983479	0.970358	0	0	0	0	0	0
0.994397	0.993308	0	0	0	0	0	0
0.99755	0.993002	0	0	0	0	0	0
0.950602	0.981584	0	0	0	0	0	0
0.965086	0.981814	0	0	0	0	0	0
0.974385	0.980278	0	0	0	0	0	0
0.944708	0.950642	0	0	0	0	0	0
0.993152	0.987907	0	0	0	0	0	0
0.628106	0.087163	0.3	0	65	0	0	0
0.116908	0.28286	0.07	0	0	0	0	0
0.39616	0.43855	0	0	0	0	0	0
0.550629	0.787638	0.12	0	0	0	0	0
0.991119	0.984517	0	0	0	0	0	0
0.992676	0.994815	0	0	0	0	0	0
0.998903	0.991908	0	0	0	0	0	0
0.002842	0.010941	0	0	0	0	0	0
0.994421	0.995566	0	0	0	0	0	0
0.968533	0.985309	0	0	0	0	0	0

0.979917	0.988336	0	0	0	0	0	0
0.967174	0.985666	0	0	0	0	0	0
0.991933	0.983829	0	0	0	0	0	0
0.985829	0.972726	0	0	0	0	0	0
0.025638	0.174273	0	0	0	0	0	0
0.015474	0.037214	0	0	0	0	0	0
0.985481	0.975791	0	0	0	0	0	0
0.99248	0.991571	0	0	0	0	0	0
0.986905	0.947365	0	0	0	0	0	0
0.989065	0.970067	0	0	0	0	0	0
0.983768	0.956247	0	0	0	0	0	0
0.979951	0.980144	0	0	0	0	0	0
0.015678	0.023147	0	0	0	0	0	0
0.981468	0.924166	0	0	0	0	0	0
0.990038	0.85109	0.04	0	0	0	0	0
0.9871	0.807818	0.05	0	0	0	0	0
0.978256	0.579493	0.19	0	0	0	0	0
0.010245	0.02003	0	0	0	0	0	0
0.001381	0.004953	0	0	0	0	0	0
0.05832	0.095325	0	0	0	0	0	0
0.997866	0.986918	0	0	0	0	0	0
0.999215	0.985248	0	0	0	0	0	0
0.999662	0.999043	0	0	0	0	0	0
0.999604	0.998087	0	0	0	0	0	0
0.993564	0.997542	0	0	0	0	0	0
0.976412	0.971879	0	0	0	0	0	0
0.996264	0.994793	0	0	0	0	0	0
0.011731	0.041708	0	0	0	0	0	0
0.99107	0.991352	0	0	0	0	0	0
0.014904	0.042694	0	0	0	0	0	0
0.983849	0.97456	0	0	0	0	0	0
0.990677	0.986239	0	0	0	0	0	0
0.190134	0.304428	0	0	0	0	0	0
0.031381	0.036416	0	0	0	0	0	0
0.992681	0.984415	0	0	0	0	0	0
0.987852	0.973447	0	0	0	0	0	0
0.982196	0.968082	0	0	0	0	0	0
0.998634	0.929642	0.03	0	0	0	0	0
0.944453	0.934753	0	0	0	0	0	0
0.994219	0.97149	0	0	0	0	0	0
0.939983	0.926484	0	0	0	0	0	0
0.146473	0.354663	0.05	0	0	0	0	0
0.997956	0.992835	0	0	0	0	0	0
0.99795	0.99075	0	0	0	0	0	0
0.998214	0.995434	0	0	0	0	0	0
0.980726	0.986216	0	0	0	0	0	0
0.974578	0.95687	0	0	0	0	0	0

0.998356	0.991047	0	0	0	0	0	0
0.993456	0.996571	0	0	0	0	0	0
0.992552	0.979223	0	0	0	0	0	0
0.984798	0.975557	0	0	0	0	0	0
0.986668	0.977269	0	0	0	0	3	0
0.996557	0.993155	0	0	0	0	0	0
0.993512	0.990037	0	0	0	0	0	0
0.995742	0.987149	0	0	0	0	0	0
0.022022	0.061192	0	0	19	19	0	0
0.413326	0.352007	0	0	0	0	0	0
0.985609	0.948562	0	0	0	0	0	0
0.986501	0.943039	0	0	0	0	0	0
0.03678	0.056449	0	0	0	0	0	0
0.982991	0.909806	0	0	0	0	0	0
0.96859	0.973183	0	0	0	0	0	0
0.98198	0.941645	0	0	0	0	0	0
0.99133	0.983849	0	0	0	0	0	0
0.891696	0.836262	0	0	0	0	0	0
0.990188	0.985313	0	0	0	0	0	0
0.983977	0.940667	0	0	0	0	0	0
0.988043	0.981652	0	0	0	0	0	0
0.998727	0.999675	0	0	0	0	0	0
0.998041	0.999759	0	4	15	18	0	0
0.998973	0.99938	0	4	2	0	7	0
0.999295	0.999876	0	0	0	0	0	0
0.008426	0.026796	0	3	0	7	4	4
0.999532	0.998173	0	0	0	0	0	0
0.999497	0.99966	0	0	0	0	0	0
0.999518	0.996924	0	0	0	0	0	0
0.99249	0.962471	0	0	0	0	0	0
0.996925	0.996599	0	0	0	0	0	0
0.127246	0.213444	0.01	0	0	0	0	0
0.871873	0.859933	0	0	0	0	0	0
0.921452	0.808251	0	0	0	0	0	0
0.980456	0.942514	0	0	0	0	0	0
0.980091	0.746428	0.06	0	0	0	0	0
0.984549	0.976833	0	0	0	0	0	0
0.981249	0.855022	0.01	0	0	0	0	0
0.968662	0.892511	0	0	0	0	0	0
0.979371	0.903505	0	0	0	0	0	0
0.612273	0.615651	0	0	0	0	0	0
0.989244	0.969878	0	0	0	0	0	0
0.98879	0.96732	0	0	0	0	0	0
0.963242	0.977956	0	0	0	0	0	0
0.993781	0.972231	0	0	0	0	0	0
0.991045	0.96234	0	0	0	0	0	0
0.019181	0.032559	0	0	0	0	0	0

0.008113	0.025231	0	0	0	0	0	0
0.006751	0.026984	0	0	0	0	0	0
0.992164	0.996977	0	0	0	0	0	0
0.984211	0.976814	0	0	0	0	0	0
0.957248	0.980832	0	0	0	0	0	0
0.58934	0.302354	0	0	0	0	0	0
0.992962	0.989677	0	0	0	0	0	0
0.068217	0.025954	0	0	0	0	0	0
0.934709	0.944861	0	0	0	0	0	0
0.891723	0.955565	0	0	0	0	0	0
0.944789	0.955366	0	0	0	0	0	0
0.841567	0.80843	0	0	0	0	0	0
0.041321	0.028102	0	0	0	0	0	0
0.319812	0.730771	0.16	0	0	0	0	0
0.989431	0.982733	0	0	0	0	0	0
0.98854	0.98358	0	0	0	0	0	0
0.987847	0.992002	0	0	0	0	0	0
0.987961	0.977976	0	0	0	0	0	0
0.990689	0.98329	0	0	0	0	0	0
0.987721	0.805692	0.1	0	0	0	0	0
0.952621	0.781244	0.03	0	0	0	0	0
0.063205	0.127565	0	0	0	0	0	0
0.988748	0.892943	0	0	0	0	0	0
0.016609	0.036294	0	0	0	0	0	0
0.971153	0.954098	0	0	0	0	0	0
0.379393	0.242567	0	0	0	0	0	0
0.952386	0.902975	0	0	0	0	0	0
0.981248	0.987888	0	0	0	0	0	0
0.986102	0.997316	0	0	0	8	10	0
0.992503	0.992919	0	0	0	3	0	0
0.220461	0.246943	0	0	0	0	0	0
0.02399	0.015339	0	0	0	2	0	0
0.806071	0.784087	0	0	0	2	8	8
0.951612	0.99475	0	0	0	0	0	0
0.004653	0.014831	0	0	0	0	0	0
0.99838	0.985606	0	0	0	0	0	0
0.997887	0.989964	0	0	0	0	0	0
0.993696	0.981197	0	0	0	0	0	0
0.03757	0.054992	0	0	0	0	0	0
0.982436	0.965222	0	0	0	0	0	0
0.981436	0.968381	0	0	0	0	0	0
0.993674	0.978433	0	0	0	0	0	0
0.0371	0.060665	0	0	0	0	0	0
0.939776	0.855977	0	0	0	0	0	0
0.932341	0.845292	0	0	0	0	0	0
0.997428	0.991202	0	0	0	0	0	0
0.996977	0.990484	0	0	0	0	0	0

0.995198	0.984578	0	0	0	0	0	0
0.995782	0.935689	0.02	0	0	0	0	0
0.996139	0.992569	0	0	0	0	0	0
0.99593	0.992474	0	0	0	0	0	0
0.947739	0.527852	0.27	0	0	0	0	0
0.068576	0.028758	0	0	0	0	0	0
0.034789	0.060834	0	0	0	0	0	0
0.039958	0.047009	0	0	0	0	0	0
0.988226	0.978708	0	0	0	0	0	0
0.982935	0.966891	0	0	0	0	0	0
0.030571	0.073224	0	0	0	0	0	0
0.049311	0.01952	0	0	0	0	0	0
0.012234	0.02102	0	0	0	0	0	0
0.991584	0.9674	0	0	0	0	0	0
0.987234	0.982794	0	0	0	0	0	0
0.9889	0.989105	0	0	0	0	0	0
0.993198	0.994476	0	0	0	0	2	0
0.994228	0.997277	0	0	0	0	0	0
0.992234	0.991883	0	0	0	0	0	0
0.992695	0.990401	0	0	0	0	0	0
0.014722	0.094349	0	0	0	0	0	0
0.934463	0.907683	0	0	0	0	0	0
0.384811	0.277331	0	0	0	0	1	1
0.031539	0.164865	0.02	0	0	0	0	0
0.072989	0.057203	0	0	0	0	0	0
0.059184	0.039677	0	0	0	0	0	0
0.955086	0.943072	0	0	0	0	0	0
0.976742	0.957149	0	0	0	0	0	0
0.9846	0.98629	0	0	0	0	0	0
0.961226	0.890671	0	0	0	0	0	0
0.946443	0.798406	0	0	0	0	0	0
0.949084	0.919263	0	0	0	0	0	0
0.939812	0.940294	0	0	0	0	0	0
0.060202	0.380457	0.02	0	0	0	0	0
0.988165	0.981913	0	0	0	0	0	0
0.986951	0.980852	0	0	0	0	0	0
0.993564	0.990025	0	0	0	0	0	0
0.015482	0.028803	0	0	0	0	0	0
0.98869	0.954679	0	0	0	0	0	0
0.73165	0.801931	0	0	0	0	0	0
0.721568	0.807874	0	0	0	0	0	0
0.993663	0.850555	0.04	0	0	0	0	0
0.986152	0.982415	0	0	0	0	0	0
0.995494	0.991742	0	0	0	0	0	0
0.996215	0.936234	0.02	0	0	0	0	0
0.990532	0.89422	0.02	0	0	0	0	0
0.991942	0.952303	0	0	0	0	0	0

0.92257	0.913282	0	0	0	0	0	0
0.979587	0.95535	0	0	0	0	5	0
0.981805	0.977831	0	0	0	0	0	0
0.990729	0.98167	0	0	0	0	0	0
0.982517	0.966824	0	0	0	0	0	0
0.891377	0.550279	0	0	0	0	0	0
0.96314	0.958497	0	0	0	0	0	0
0.977586	0.961455	0	0	0	0	0	0
0.986181	0.975445	0	0	0	0	0	0
0.950328	0.356197	0.12	0	0	0	0	0
0.99812	0.998941	0	0	0	0	0	0
0.987931	0.994547	0	0	0	0	0	0
0.982986	0.975409	0	0	0	0	0	0
0.978867	0.962584	0	0	0	0	0	0
0.988875	0.986917	0	0	0	0	0	0
0.985436	0.937708	0	0	0	0	0	0
0.007918	0.022331	0	0	0	0	0	0
0.979023	0.938812	0	0	0	0	0	0
0.994437	0.991542	0	0	0	0	0	0
0.996291	0.981692	0	0	0	0	0	0
0.995075	0.954645	0	0	0	0	0	0
0.98934	0.984891	0	0	0	0	0	0
0.99378	0.878085	0.05	0	0	0	0	0
0.992121	0.996756	0	0	0	0	0	0
0.991162	0.987582	0	0	0	0	0	0
0.989785	0.970121	0	0	0	0	0	0
0.258223	0.512038	0.08	0	0	0	0	0
0.106761	0.253006	0	0	0	0	0	0
0.079353	0.163951	0	0	0	0	0	0
0.992013	0.822314	0.05	0	0	0	0	0
0.734044	0.345222	0.2	0	0	0	0	0
0.022287	0.054025	0	0	0	0	0	0
0.916268	0.762361	0.03	0	0	0	0	0
0.051857	0.032557	0	0	0	0	0	0
0.947343	0.966545	0	0	0	0	0	0
0.963594	0.945499	0	0	0	0	0	0
0.709238	0.951553	0	0	0	0	0	0
0.298956	0.542297	0.05	0	0	0	0	0
0.992387	0.981863	0	0	0	0	0	0
0.004812	0.00674	0	0	0	0	0	0
0.008749	0.023663	0	0	0	0	0	0
0.885181	0.94605	0	0	0	0	0	0
0.980434	0.984833	0	0	0	0	0	0
0.982641	0.966454	0	0	0	0	0	0
0.987378	0.979945	0	0	0	0	0	0
0.037302	0.029457	0	0	0	0	0	0
0.980094	0.848931	0	0	0	0	0	0

0.969414	0.955533	0	0	0	0	0	0
0.998873	0.998986	0	0	0	0	0	0
0.997421	0.981754	0	0	0	0	0	0
0.996749	0.979346	0	0	0	0	0	0
0.994477	0.992742	0	0	0	0	0	0
0.990661	0.967505	0	0	0	0	0	0
0.977353	0.978726	0	0	0	0	0	0
0.983464	0.990951	0	0	0	0	0	0
0.973648	0.991632	0	0	0	0	0	0
0.980609	0.984226	0	0	0	0	0	0
0.406223	0.2131	0	0	0	0	0	0
0.983696	0.991784	0	0	0	0	0	0
0.974971	0.936097	0	0	0	0	0	0
0.971596	0.940068	0	0	0	0	0	0
0.98387	0.948715	0	0	0	0	0	0
0.990912	0.953834	0	0	0	0	0	0
0.980376	0.95837	0	0	0	0	0	0
0.592492	0.535335	0	0	0	0	0	0
0.965822	0.935985	0	0	0	0	0	0
0.95873	0.9633	0	0	0	0	0	0
0.009563	0.079358	0	0	0	0	0	0
0.983293	0.538275	0.17	0	1	0	0	0
0.056511	0.04889	0	0	0	0	0	0
0.032971	0.041481	0	0	0	0	0	0
0.984854	0.982941	0	0	0	0	0	0
0.984791	0.962927	0	0	0	0	0	0
0.941169	0.948168	0	0	0	0	0	0
0.955522	0.935093	0	0	0	0	0	0
0.94604	0.980499	0	0	0	0	0	0
0.931954	0.951166	0	0	0	0	0	0
0.320227	0.061919	0.03	0	0	0	0	0
0.025535	0.029089	0	0	0	0	0	0
0.062256	0.111562	0	0	0	0	0	0
0.984997	0.895758	0.01	0	0	0	0	0
0.985885	0.993105	0	0	0	0	0	0
0.973255	0.985508	0	0	0	0	0	0
0.960586	0.962001	0	0	0	0	0	0
0.958732	0.94307	0	0	0	0	0	0
0.967574	0.984082	0	0	0	0	0	0
0.973291	0.948868	0	0	0	0	0	0
0.014925	0.044257	0	0	0	0	0	0
0.991494	0.956999	0	0	0	0	0	0
0.996559	0.980206	0	0	0	0	0	0
0.914422	0.855638	0	0	0	0	0	0
0.171008	0.281966	0	0	0	0	0	0
0.061775	0.280447	0.08	0	0	0	0	0
0.982411	0.953652	0	0	0	0	0	0

0.976295	0.932556	0	0	0	0	0	0
0.993069	0.986204	0	0	0	0	0	0
0.992881	0.987011	0	0	0	0	0	0
0.016063	0.029133	0	0	0	0	0	0
0.979864	0.957445	0	0	0	0	0	0
0.909748	0.954535	0	0	0	0	0	0
0.10802	0.058427	0	0	0	0	0	0
0.991912	0.961652	0	0	0	0	0	0
0.991795	0.950539	0	0	0	0	0	0
0.990667	0.961551	0	0	0	0	0	0
0.990579	0.963523	0	0	0	0	0	0
0.992865	0.96906	0	0	0	0	0	0
0.991682	0.972268	0	0	0	0	0	0
0.991276	0.981295	0	0	0	0	0	0
0.989676	0.980116	0	0	0	0	0	0
0.989849	0.954776	0	0	0	0	0	0
0.989392	0.576678	0.06	0	0	0	0	0
0.987499	0.971432	0	0	0	0	0	0
0.98738	0.979001	0	0	0	0	0	0
0.989583	0.93443	0	0	0	0	0	0
0.936688	0.979008	0	0	0	0	0	0
0.04843	0.049281	0	0	0	0	0	0
0.877021	0.897178	0	0	0	0	0	0
0.984339	0.951936	0	0	0	0	0	0
0.834176	0.908594	0	0	0	0	0	0
0.879786	0.920942	0	0	0	0	0	0
0.999214	0.998441	0	0	0	0	0	0
0.949964	0.956767	0	0	0	0	0	0
0.997904	0.992606	0	0	0	0	0	0
0.009567	0.007635	0	0	0	0	0	0
0.991463	0.993371	0	0	0	0	0	0
0.984549	0.976118	0	0	0	0	0	0
0.989022	0.983337	0	0	0	0	0	0
0.993144	0.978414	0	0	0	0	0	0
0.997286	0.999194	0	0	0	0	0	0
0.995257	0.9975	0	0	0	0	0	0
0.994343	0.996794	0	0	0	0	0	0
0.997622	0.997561	0	0	0	0	0	0
0.105822	0.223593	0	0	0	0	0	0
0.990566	0.99731	0	0	4	0	0	0
0.989369	0.985654	0	0	0	0	0	0
0.966368	0.981465	0	0	0	0	0	0
0.050861	0.050154	0	0	0	0	0	0
0.91621	0.984478	0	0	0	0	0	0
0.972521	0.949385	0	0	0	0	0	0
0.110508	0.065578	0	0	0	0	0	0
0.987332	0.72437	0.16	0	0	0	0	0

0.945993	0.9704	0	0	0	0	0	0
0.987426	0.872979	0.03	0	0	0	0	0
0.984576	0.769474	0.12	0	0	0	0	0
0.922518	0.860839	0	0	0	0	0	0
0.998163	0.999296	0	0	0	0	0	0
0.996812	0.992174	0	0	0	0	0	0
0.998456	0.997393	0	0	0	1	0	0
0.961437	0.954114	0	0	0	0	0	0
0.951592	0.963436	0	0	0	0	0	0
0.976762	0.981172	0	0	0	0	0	0
0.950673	0.942092	0	0	0	0	0	0
0.97276	0.90268	0	0	0	0	0	0
0.920168	0.970066	0	0	0	0	0	0
0.971832	0.95958	0	0	0	0	0	0
0.914332	0.91978	0	0	0	0	0	0
0.996983	0.996631	0	0	0	0	0	0
0.938954	0.96511	0	0	0	0	0	0
0.999647	0.99978	0	0	0	0	0	0
0.989719	0.95682	0	0	0	0	0	0
0.995508	0.972063	0	0	0	0	0	0
0.994681	0.988384	0	0	0	0	0	0
0.013033	0.028987	0	0	0	0	0	0
0.994317	0.982598	0	0	0	0	0	0
0.017544	0.143233	0	0	0	0	0	0
0.705609	0.609324	0	0	0	0	0	0
0.994418	0.976056	0	0	0	0	0	0
0.786563	0.645615	0.01	0	0	0	0	0
0.977646	0.977141	0	0	0	0	0	0
0.984999	0.986792	0	0	0	0	0	0
0.994493	0.995733	0	0	0	0	0	0
0.93569	0.983765	0.01	0	0	0	0	0
0.997608	0.993037	0	0	0	0	0	0
0.996686	0.992372	0	0	0	0	0	0
0.999548	0.999753	0	0	0	0	0	0
0.999253	0.999366	0	0	0	0	0	0
0.999265	0.999188	0	0	0	0	0	0
0.912751	0.521959	0.25	0	0	0	0	0
0.904144	0.833264	0.02	0	0	0	0	0
0.997927	0.997768	0	0	0	0	0	0
0.009527	0.007503	0	0	0	0	0	0
0.241122	0.257909	0	0	0	0	0	0
0.99447	0.986	0	0	2	10	0	0
0.993162	0.967816	0.02	0	0	0	0	0
0.963261	0.941059	0	0	0	0	0	0
0.965799	0.951979	0	0	0	0	0	0
0.993104	0.997072	0	0	0	0	0	0
0.018777	0.029112	0	0	0	0	0	0

0.029225	0.037033	0	0	0	0	0	0
0.045138	0.043379	0	0	0	0	0	0
0.94415	0.946486	0	0	0	0	0	0
0.947495	0.984635	0	0	0	0	0	0
0.957698	0.896088	0	0	0	0	0	0
0.998009	0.989026	0	0	0	0	0	0
0.995033	0.975635	0	0	0	0	0	0
0.998632	0.9876	0	0	0	0	0	0
0.999566	0.993909	0	0	0	0	0	0
0.99909	0.993708	0	0	0	0	0	0
0.999258	0.991237	0	0	0	0	0	0
0.996794	0.993472	0	0	0	0	0	0
0.024503	0.033958	0	0	0	0	0	0
0.988361	0.98323	0	0	0	0	0	0
0.999574	0.977907	0	0	0	0	0	0
0.948403	0.846696	0.01	0	0	0	0	0
0.061361	0.101405	0	0	0	0	0	0
0.986563	0.977111	0	0	0	0	0	0
0.00849	0.062004	0	0	0	0	0	0
0.026716	0.018908	0	0	0	0	0	0
0.995208	0.971466	0.02	0	0	0	0	0
0.001954	0.004815	0	0	0	0	0	0
0.895235	0.978666	0.04	0	0	0	0	0
0.948181	0.971597	0	0	0	0	0	0
0.93507	0.956887	0	0	0	0	0	0
0.584047	0.831776	0.07	0	0	0	0	0
0.975653	0.982566	0	0	0	0	0	0
0.904214	0.868263	0	0	0	0	0	0
0.988246	0.95906	0	0	0	0	0	0
0.996438	0.9926	0	0	0	0	0	0
0.987325	0.976083	0	0	0	0	0	0
0.955421	0.964023	0	0	0	0	0	0
0.587244	0.197253	0.12	0	0	0	0	0
0.970774	0.960784	0	0	0	0	0	0
0.996788	0.994411	0	0	0	0	0	0
0.996767	0.995347	0	0	0	0	0	0
0.998362	0.997282	0	0	0	0	0	0
0.32021	0.192956	0.03	0	0	0	0	0
0.959601	0.95281	0	0	0	0	0	0
0.904005	0.820384	0	0	0	0	0	0
0.079235	0.105347	0	0	0	0	0	0
0.996004	0.997175	0	0	0	0	0	1
0.997789	0.99786	0	0	0	0	0	0
0.007113	0.003269	0	0	0	0	0	0
0.998456	0.982374	0	0	0	0	0	0
0.996962	0.995557	0	0	0	0	0	0
0.991446	0.980043	0	0	0	0	0	0

0.661703	0.066831	0.4	0	0	0	0	0
0.072716	0.079553	0	0	0	0	0	0
0.99025	0.948302	0	0	0	0	0	0
0.993473	0.989633	0	0	0	0	0	0
0.98762	0.993003	0	0	0	0	0	0
0.985781	0.960819	0	0	0	0	0	0
0.983574	0.979171	0	0	0	0	0	0
0.984604	0.979937	0	0	0	0	0	0
0.089479	0.105115	0	0	0	0	0	0
0.968932	0.951366	0	0	0	0	0	0
0.983195	0.936908	0	0	0	0	2	0
0.989792	0.946219	0	0	0	0	0	0
0.997027	0.990915	0	0	0	0	0	0
0.943887	0.723115	0.15	0	0	0	0	0
0.135424	0.181666	0	0	0	0	0	0
0.984399	0.986056	0	0	0	0	0	0
0.869696	0.94793	0	0	0	0	0	0
0.93469	0.977793	0	0	0	0	0	0
0.98267	0.98009	0	0	0	0	0	0
0.969145	0.932923	0	0	0	0	0	0
0.837133	0.937103	0	0	0	0	0	0
0.217602	0.048862	0	0	0	0	0	0
0.201037	0.236901	0	0	0	0	0	0
0.965389	0.856165	0	0	0	0	0	0
0.049197	0.07184	0	0	0	0	0	0
0.057501	0.026087	0	0	0	0	0	0
0.967803	0.909579	0	0	0	0	0	0
0.991584	0.986107	0	0	0	0	0	0
0.673667	0.753435	0	0	0	0	0	0
0.581702	0.457076	0	0	0	0	0	0
0.996507	0.998022	0	0	0	0	0	0
0.994216	0.998988	0	0	0	0	0	0
0.991248	0.982724	0	0	0	0	0	0
0.991172	0.992115	0	0	0	0	0	0
0.013865	0.010681	0	0	0	0	0	0
0.977091	0.868868	0	0	0	0	0	0
0.046508	0.069514	0	0	0	0	0	0
0.013661	0.027	0	0	0	0	0	0
0.994975	0.997579	0	0	0	0	0	0
0.014819	0.030558	0	0	0	0	0	0
0.994014	0.967598	0	0	0	0	0	0
0.993536	0.954687	0	0	0	0	0	0
0.988888	0.760142	0.15	0	0	0	0	0
0.788851	0.51084	0.14	0	0	0	0	0
0.985679	0.901303	0.01	0	0	0	0	0
0.965736	0.855684	0	0	0	0	0	0
0.97631	0.943869	0	0	0	0	0	0

0.989793	0.991954	0	0	0	0	0	0
0.988241	0.991915	0	0	0	0	0	0
0.980697	0.974672	0	0	0	0	0	0
0.981268	0.975655	0	0	0	0	0	0
0.975506	0.965004	0	0	0	0	0	0
0.943569	0.974338	0	0	0	0	0	0
0.99297	0.991058	0	0	0	0	0	0
0.994276	0.983203	0	0	0	0	0	0
0.985101	0.981273	0	0	0	0	0	0
0.992123	0.988191	0	0	0	0	0	0
0.991198	0.995736	0	0	0	0	0	0
0.025306	0.02865	0	0	0	0	0	0
0.991816	0.988662	0	0	0	0	0	0
0.01946	0.021806	0	0	0	0	0	0
0.0159	0.076419	0	0	0	0	0	0
0.018484	0.076052	0	0	0	0	0	0
0.987756	0.977124	0	0	0	0	0	0
0.995455	0.981363	0	0	0	0	0	0
0.959247	0.945946	0	0	0	0	0	0
0.968165	0.962503	0	0	0	0	0	0
0.049415	0.018635	0	0	0	0	0	0
0.955884	0.957116	0	0	0	0	0	0
0.946607	0.951778	0	0	0	0	0	0
0.975602	0.956617	0	0	0	0	0	0
0.974206	0.989062	0	0	0	0	0	0
0.959476	0.964972	0	0	0	0	0	0
0.981445	0.981348	0	0	0	0	0	0
0.939157	0.9884	0	0	0	0	0	0
0.923459	0.986235	0	0	0	0	0	0
0.98353	0.983614	0	0	0	0	0	0
0.997948	0.998659	0	0	0	0	0	0
0.998902	0.998659	0	0	0	0	0	0
0.998001	0.988419	0	0	0	0	0	0
0.997698	0.991884	0	0	0	0	0	0
0.994749	0.99668	0	0	0	0	0	0
0.980316	0.980135	0	0	0	0	0	0
0.983495	0.971318	0	0	0	0	0	0
0.92682	0.957039	0	0	0	0	0	0
0.972939	0.957357	0	0	0	0	0	0
0.983233	0.956734	0	0	0	0	0	0
0.014803	0.045376	0	0	0	0	0	0
0.996038	0.991429	0	0	0	0	0	0
0.009646	0.033873	0	0	0	0	0	0
0.014093	0.020041	0	0	0	0	0	0
0.987668	0.97948	0	0	0	0	0	0
0.996191	0.996258	0	0	0	0	0	0
0.954803	0.97352	0	0	0	0	0	0

0.995818	0.997974	0	0	0	0	0	0
0.995526	0.99784	0	0	0	0	0	0
0.993298	0.987779	0	0	0	0	0	0
0.961867	0.960498	0	0	0	0	0	0
0.979014	0.964455	0	0	0	0	0	0
0.983069	0.975443	0	0	0	0	0	0
0.964888	0.942416	0	0	0	0	0	0
0.732007	0.595851	0	0	0	0	0	0
0.433711	0.555407	0	0	0	0	0	0
0.942869	0.938269	0	0	0	0	0	0
0.982383	0.912325	0	0	0	0	0	0
0.988676	0.993858	0	0	0	0	0	0
0.989285	0.980498	0	0	0	0	0	0
0.985311	0.953369	0	0	0	0	0	0
0.989742	0.978859	0	0	0	0	0	0
0.988839	0.937572	0	0	0	0	0	0
0.97986	0.990184	0	0	0	0	0	0
0.989928	0.977608	0	0	0	0	0	0
0.986397	0.981733	0	0	0	0	0	0
0.99639	0.996534	0	0	0	0	0	0
0.99649	0.997219	0	0	0	0	0	0
0.621711	0.540539	0	0	0	5	0	0
0.973161	0.997228	0	0	0	0	0	0
0.045658	0.03078	0	0	0	0	0	0
0.956368	0.942174	0	0	0	0	0	0
0.097186	0.115821	0	0	0	0	0	0
0.972037	0.984558	0	0	0	0	0	0
0.917776	0.976515	0	0	0	0	0	0
0.976949	0.985021	0	0	0	0	0	0
0.975026	0.984049	0	0	0	0	0	0
0.978815	0.988536	0	0	0	0	0	0
0.937201	0.975853	0	0	0	0	0	0
0.963327	0.964008	0	0	0	0	0	0
0.969655	0.964998	0	0	0	0	0	0
0.959196	0.972723	0	0	0	0	0	0
0.984488	0.948267	0	0	0	0	0	0
0.990689	0.975508	0	0	0	0	0	0
0.991767	0.958529	0	0	0	0	0	0
0.071359	0.079731	0	0	0	0	0	0
0.037575	0.051858	0	0	0	0	0	0
0.987423	0.979463	0	0	0	0	0	0
0.986431	0.981429	0	0	0	0	0	0
0.98999	0.993348	0	0	0	0	0	0
0.282495	0.065879	0.08	0	0	0	0	0
0.047919	0.365697	0.1	0	0	0	0	0
0.990341	0.990291	0	0	0	0	0	0
0.910272	0.992269	0.01	0	0	0	0	0

0.986807	0.988251	0	0	0	0	0	0
0.993212	0.888886	0.05	0	0	0	0	0
0.930476	0.878694	0	0	0	0	0	0
0.921461	0.871064	0	0	0	0	0	0
0.936849	0.797234	0	0	0	0	0	0
0.998113	0.998712	0	0	0	0	0	0
0.998256	0.999034	0	0	0	0	0	0
0.998597	0.997232	0	0	0	0	0	0
0.997199	0.997825	0	0	0	0	0	0
0.996	0.996164	0	0	0	0	0	0
0.016681	0.020406	0	0	0	0	0	0
0.995079	0.994207	0	0	0	0	0	0
0.99309	0.994282	0	0	0	0	0	0
0.997436	0.998003	0	0	0	0	0	0
0.00617	0.004576	0	0	0	0	0	0
0.996756	0.997375	0	0	0	0	0	0
0.965462	0.971373	0	0	0	0	0	0
0.94106	0.960925	0	0	0	0	0	0
0.964431	0.966721	0	0	0	0	0	0
0.062038	0.171394	0	0	0	0	0	0
0.234858	0.371529	0	0	0	0	0	0
0.898016	0.819192	0	0	0	0	0	0
0.531629	0.37851	0	0	0	0	0	0
0.993995	0.997323	0	0	6	0	0	0
0.974089	0.949476	0	0	12	12	0	0
0.98054	0.969136	0	0	0	0	0	0
0.986416	0.990672	0	0	2	2	0	0
0.169136	0.381827	0.06	0	0	0	0	0
0.965569	0.982621	0	0	0	0	0	0
0.983272	0.992343	0	0	11	11	0	0
0.990795	0.995825	0	0	0	0	9	9
0.939181	0.960145	0	0	0	0	0	0
0.957324	0.950471	0	0	0	0	0	0
0.945249	0.965511	0	0	0	0	0	0
0.958645	0.946804	0	0	0	0	0	0
0.722592	0.957377	0	0	0	0	0	0
0.056866	0.039887	0	0	0	0	0	0
0.965948	0.991001	0	0	0	0	0	0
0.990102	0.978878	0.01	0	0	0	0	0
0.0318	0.073609	0	0	0	0	0	0
0.009506	0.005116	0	0	0	0	0	0
0.948316	0.866669	0	0	0	0	0	0
0.724099	0.888091	0.03	0	4	0	0	0
0.991149	0.996555	0	0	0	0	0	0
0.989696	0.99287	0	0	0	0	0	0
0.103219	0.240033	0	0	0	0	0	0
0.950943	0.959903	0	0	0	0	0	0

0.969216	0.98437	0	0	0	0	0	0
0.962054	0.485733	0.22	0	0	0	0	0
0.977949	0.963269	0	0	0	0	0	0
0.058301	0.018501	0	0	0	0	0	0
0.083308	0.033869	0	0	0	0	0	0
0.987695	0.985304	0	0	0	0	0	0
0.9782	0.986518	0	0	0	0	0	0
0.998963	0.998816	0	0	0	0	0	0
0.001416	0.002676	0	0	0	0	0	0
0.999165	0.99892	0	0	0	0	0	0
0.993201	0.991966	0	0	0	0	0	0
0.0123	0.02461	0	0	0	0	0	0
0.996528	0.992097	0	0	0	0	0	0
0.993101	0.976311	0	0	0	0	0	0
0.991194	0.975699	0	0	0	0	0	0
0.991997	0.956951	0	0	0	0	0	0
0.03956	0.069347	0	0	0	0	0	0
0.995611	0.901076	0.04	0	0	0	0	0
0.094922	0.105069	0	0	0	0	0	0
0.082427	0.108418	0	0	0	0	0	0
0.943583	0.952518	0	0	0	0	0	0
0.899557	0.786108	0	0	0	0	0	0
0.988125	0.981585	0	0	0	0	0	0
0.971073	0.970216	0	0	0	0	0	0
0.990716	0.985208	0	0	0	0	0	0
0.993424	0.997639	0	0	0	0	0	0
0.996642	0.993484	0	0	0	0	0	0
0.935158	0.84489	0	0	0	0	0	0
0.005499	0.004791	0	0	0	0	0	0
0.98119	0.990307	0	0	0	0	0	0
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0.034792	0.022239	0	0	0	0	0	0
0.998609	0.996624	0	0	0	0	0	0
0.983508	0.957457	0	0	0	0	0	0
0.985133	0.97193	0	0	0	2	0	0
0.987838	0.976185	0	0	0	0	0	0
0.986661	0.989836	0	0	0	0	0	0
0.83674	0.888271	0	0	0	0	0	0
0.987004	0.916086	0	0	0	0	0	0
0.985622	0.934396	0	0	0	0	0	0
0.99587	0.997242	0	0	0	0	0	0
0.999021	0.99891	0	0	0	0	0	0
0.999034	0.998807	0	0	0	0	0	0
0.998132	0.993595	0	0	0	0	0	0
0.995524	0.980962	0	0	0	0	0	0
0.016713	0.019803	0	0	0	0	0	0
0.995652	0.992746	0	0	0	0	0	0

0.012713	0.020925	0	0	0	0	0	0
0.993452	0.99474	0	0	0	0	0	0
0.991117	0.996463	0	0	0	0	0	0
0.98344	0.985878	0	0	3	4	0	0
0.98486	0.979657	0	0	7	8	0	0
0.982065	0.992646	0	0	0	0	0	0
0.990359	0.997021	0	0	0	0	0	0
0.995396	0.993446	0	0	0	0	0	0
0.989639	0.988925	0	0	0	0	0	0
0.04798	0.153407	0	0	0	0	0	0
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0.984489	0.994387	0	0	0	0	0	0
0.987021	0.993799	0	0	0	0	0	0
0.984369	0.979846	0	0	3	0	0	0
0.035175	0.051063	0	0	0	0	0	0
0.99451	0.994658	0	0	0	0	0	0
0.99507	0.988178	0	0	0	0	0	0
0.960795	0.967953	0	0	0	0	0	0
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0.991672	0.982397	0	0	0	0	0	0
0.862788	0.767292	0	0	0	0	0	0
0.991446	0.972257	0	0	0	0	0	0
0.99002	0.985832	0	0	0	0	0	0
0.035918	0.025576	0	0	0	0	0	0
0.990847	0.979819	0	0	0	0	0	0
0.988472	0.992888	0	0	0	0	0	0
0.995533	0.996579	0	0	0	0	0	0
0.988217	0.98117	0	0	0	0	0	0
0.940851	0.935245	0	0	0	0	0	0
0.966391	0.96289	0	0	0	0	0	0
0.011901	0.013358	0	0	0	0	0	0
0.890975	0.873924	0	0	0	0	0	0
0.960275	0.986152	0	0	0	0	0	0
0.963984	0.978326	0	0	0	0	0	0
0.959566	0.967077	0	0	0	0	0	0
0.987358	0.976168	0	0	0	0	0	0
0.023561	0.032025	0	0	0	0	0	0
0.984256	0.980441	0	0	0	0	0	0
0.988347	0.986932	0	0	0	0	0	0
0.048338	0.062978	0	0	0	0	0	0
0.984812	0.988424	0	0	0	0	0	0
0.996375	0.993562	0	0	0	0	0	0
0.996124	0.997744	0	0	0	0	0	0
0.998618	0.974993	0.02	0	0	0	7	7
0.041167	0.053084	0	0	0	0	0	0
0.988906	0.967845	0	0	0	0	0	0
0.992135	0.976222	0	0	0	0	0	0

0.89088	0.301813	0.22	0	0	0	0	0
0.077486	0.215039	0	0	0	0	0	0
0.988086	0.892572	0	0	0	0	0	0
0.904702	0.71005	0	0	0	0	0	0
0.953332	0.92184	0	0	0	0	0	0
0.971838	0.965615	0	0	0	0	0	0
0.991929	0.964872	0	0	0	0	0	0
0.98008	0.962681	0	0	0	0	0	0
0.984063	0.970787	0	0	0	0	0	0
0.97086	0.951924	0	0	0	0	0	0
0.985702	0.909373	0	0	0	0	0	0
0.981547	0.893539	0	0	0	0	0	0
0.990374	0.988137	0	0	0	0	0	0
0.988868	0.995836	0	0	0	0	0	0
0.009163	0.011545	0	0	0	0	0	0
0.012371	0.022535	0	0	0	0	0	0
0.998091	0.999121	0	0	0	0	0	0
0.98606	0.872938	0.05	0	0	0	0	0
0.002297	0.008308	0	0	0	0	0	0
0.999099	0.999161	0	0	0	0	0	0
0.99936	0.998623	0	0	0	0	0	0
0.939915	0.945554	0	0	0	0	0	0
0.027236	0.031854	0	0	0	0	0	0
0.997941	0.997944	0	0	0	0	0	0
0.99707	0.996829	0	0	0	0	0	0
0.990017	0.978856	0	0	0	0	0	0
0.99861	0.99821	0	0	0	0	0	0
0.014464	0.008141	0	0	0	0	0	0
0.991255	0.994858	0	0	0	0	0	0
0.051855	0.051183	0	0	0	0	0	0
0.151806	0.061239	0	0	0	0	0	0
0.975229	0.971323	0	0	0	0	0	0
0.027589	0.057991	0	0	0	0	0	0
0.220012	0.061872	0	0	0	0	0	0
0.982017	0.973077	0	0	0	0	0	0
0.988336	0.989333	0	0	0	0	0	0
0.965641	0.917042	0	0	0	0	0	0
0.982612	0.964836	0	0	0	0	0	0
0.976131	0.95419	0	0	0	0	0	0
0.961529	0.914241	0	0	0	0	0	0
0.962253	0.973198	0	0	0	0	0	0
0.99808	0.996249	0	0	0	0	0	0
0.997498	0.794846	0.11	0	0	0	0	0
0.998658	0.909704	0.05	0	0	0	0	0
0.996758	0.996019	0	0	0	0	0	0
0.997576	0.967365	0	0	0	0	0	0
0.989703	0.976855	0	0	0	0	0	0

0.989569	0.994467	0	0	0	0	0	0
0.988224	0.989707	0	0	2	2	3	3
0.981655	0.800228	0.06	0	0	0	0	0
0.984402	0.985101	0	0	0	0	0	0
0.983623	0.986997	0	0	0	0	0	0
0.962185	0.941309	0	0	0	0	0	0
0.989583	0.924153	0	0	0	0	0	0
0.991219	0.991834	0	0	0	0	0	0
0.997123	0.984234	0	0	0	0	0	0
0.010898	0.042279	0	0	0	0	0	0
0.993069	0.990312	0	0	0	0	0	0
0.993045	0.951963	0	0	0	0	0	0
0.059473	0.095539	0	0	0	0	0	0
0.967914	0.88271	0	0	0	0	0	0
0.974566	0.985818	0	0	0	0	0	0
0.991503	0.992227	0	0	0	0	0	0
0.029361	0.017168	0	0	0	0	0	0
0.996743	0.955965	0.01	0	0	0	0	0
0.958222	0.798548	0.1	0	0	0	0	0
0.989415	0.723995	0.16	0	0	0	0	0
0.998126	0.998391	0	0	0	0	0	0
0.997089	0.96438	0.01	0	0	0	0	0
0.997975	0.999196	0	0	0	0	0	0
0.998588	0.998465	0	0	0	0	0	0
0.997634	0.997249	0	0	0	0	0	0
0.068608	0.111829	0	0	0	0	0	0
0.166138	0.720998	0.35	0	0	0	0	0
0.949102	0.95807	0	0	0	0	0	0
0.832999	0.985935	0	0	0	0	0	0
0.100741	0.074229	0	0	0	0	0	0
0.737118	0.965027	0	0	0	0	0	0
0.745905	0.968326	0	0	0	0	0	0
0.967759	0.868569	0	0	0	0	0	0
0.85103	0.56515	0.03	0	0	0	0	0
0.83101	0.523451	0.02	0	0	0	0	0
0.858194	0.587076	0.02	0	0	0	0	0
0.037626	0.173206	0	0	0	0	0	0
0.866789	0.679601	0	0	0	0	0	0
0.97852	0.949434	0	0	0	0	0	0
0.940215	0.959722	0	0	0	0	0	0
0.767563	0.950916	0	0	0	0	0	0
0.761556	0.966873	0	0	0	0	0	0
0.961272	0.963086	0	0	0	0	0	0
0.987969	0.956259	0	0	0	0	0	0
0.957725	0.972279	0	0	0	0	0	0
0.954682	0.947764	0	0	0	0	0	0
0.178063	0.719244	0.25	0	0	0	0	0

0.364154	0.545499	0	0	0	0	0	0
0.990375	0.974715	0	0	0	0	0	0
0.978231	0.980448	0	0	0	0	0	0
0.998866	0.998518	0	0	0	0	0	0
0.01291	0.080619	0.02	0	3	0	0	0
0.989353	0.990265	0	0	3	0	0	0
0.040328	0.075536	0	0	3	0	0	0
0.001509	0.006877	0	0	0	0	0	0
0.996634	0.992398	0	0	0	0	0	0
0.995174	0.990946	0	0	0	0	0	0
0.990527	0.986213	0	0	0	0	0	0
0.980318	0.985749	0	0	0	0	0	0
0.984008	0.966699	0	0	0	0	0	0
0.979099	0.954342	0	0	0	0	0	0
0.98994	0.950662	0	0	0	0	0	0
0.991822	0.978684	0	0	0	0	0	0
0.991212	0.950472	0	0	0	0	0	0
0.982999	0.967702	0	0	0	0	0	0
0.824977	0.779276	0	0	0	0	0	0
0.842412	0.862775	0	0	0	0	0	0
0.983714	0.981203	0	0	0	0	0	0
0.953208	0.958369	0	0	0	0	0	0
0.983961	0.966647	0	0	0	0	0	0
0.990268	0.974337	0	0	0	0	0	0
0.988064	0.990337	0	0	0	0	0	0
0.966981	0.987314	0	0	0	0	0	0
0.972498	0.990601	0	0	0	0	0	0
0.973121	0.990314	0	0	0	0	0	0
0.055743	0.022852	0	0	0	0	0	0
0.779784	0.926757	0	0	0	0	0	0
0.965067	0.973408	0	0	0	0	0	0
0.946334	0.990487	0	0	0	0	0	0
0.942648	0.99164	0	0	0	0	0	0
0.013627	0.006638	0	0	0	0	0	0
0.985113	0.995962	0	0	0	0	0	0
0.088469	0.13369	0	0	0	0	0	0
0.956628	0.965896	0	0	0	0	0	0
0.935797	0.920151	0	0	0	0	0	0
0.966076	0.900454	0	0	0	0	0	0
0.998133	0.986649	0	0	0	0	0	0
0.998068	0.993963	0	0	0	0	0	0
0.989075	0.925977	0.01	0	0	0	0	0
0.058228	0.230101	0.09	0	0	0	0	0
0.941042	0.869665	0	0	0	0	0	0
0.991649	0.964658	0	0	0	0	0	0
0.989272	0.975106	0	0	0	0	0	0
0.993437	0.989662	0	0	0	0	0	0

0.987539	0.967979	0	0	0	0	0	0
0.992179	0.987967	0	0	0	0	0	0
0.016828	0.023111	0	0	0	0	0	0
0.990758	0.991101	0	0	0	0	0	0
0.524829	0.559039	0	0	0	0	0	0
0.956094	0.943801	0	0	0	0	0	0
0.0788	0.186708	0	0	0	0	0	0
0.073369	0.16966	0	7	0	0	0	0
0.098166	0.180611	0	0	0	0	0	0
0.996698	0.99516	0	0	0	0	0	0
0.996653	0.99443	0	0	0	0	0	0
0.944717	0.986896	0	0	0	0	0	0
0.941107	0.967642	0	0	0	0	0	0
0.990072	0.96792	0	0	0	0	0	0
0.018964	0.053182	0	0	0	0	0	0
0.039287	0.041456	0	0	0	0	0	0
0.990627	0.874819	0.01	0	0	0	0	0
0.993024	0.857669	0.03	0	0	0	0	0
0.989243	0.820253	0.02	0	0	0	0	0
0.992325	0.856828	0.01	0	0	0	0	0
0.990802	0.964307	0	0	0	0	0	0
0.99242	0.959222	0	0	0	0	0	0
0.991106	0.942243	0	0	0	0	0	0
0.958429	0.972709	0	0	0	0	0	0
0.959709	0.887616	0	0	0	0	0	0
0.944655	0.933534	0	0	0	0	0	0
0.904745	0.883205	0	0	0	0	0	0
0.917711	0.710335	0	0	0	0	0	0
0.948178	0.931824	0	0	0	0	0	0
0.946253	0.9319	0	0	0	0	0	0
0.95088	0.952792	0	0	0	0	0	0
0.944903	0.956953	0	0	0	0	0	0
0.985786	0.992137	0	0	0	0	0	0
0.959921	0.948702	0	0	0	0	0	0
0.991609	0.991682	0	0	0	0	0	0
0.995772	0.998053	0	0	0	0	0	0
0.996549	0.604076	0.28	0	0	0	0	0
0.996477	0.994781	0	0	0	0	0	0
0.998342	0.996172	0	0	0	0	0	0
0.998156	0.997503	0	0	0	0	0	0
0.942661	0.965608	0	0	0	0	0	0
0.961733	0.985415	0	0	0	0	0	0
0.984306	0.97281	0	0	0	0	0	0
0.985865	0.973827	0	0	0	0	0	0
0.976841	0.966375	0	0	0	0	0	0
0.950917	0.955272	0	0	0	0	0	0
0.057985	0.055642	0	0	0	0	0	0

0.97062	0.973339	0	0	0	0	0	0
0.041028	0.049844	0	0	0	0	0	0
0.998462	0.99555	0	0	0	0	0	0
0.998538	0.997757	0	0	0	0	0	0
0.996965	0.996545	0	0	0	0	0	0
0.022074	0.011632	0	0	0	0	0	0
0.997505	0.998727	0	0	0	0	0	0
0.635478	0.5721	0	0	0	0	0	0
0.760675	0.573395	0	0	0	0	0	0
0.632935	0.701217	0	0	0	0	0	0
0.561518	0.64675	0	0	0	0	0	0
0.60922	0.621068	0	0	0	0	0	0
0.995788	0.983216	0	0	0	0	0	0
0.997797	0.997286	0	0	0	0	0	0
0.008529	0.027752	0	0	0	0	0	0
0.996766	0.991985	0	0	0	0	4	4
0.993104	0.996965	0	0	0	0	0	0
0.98016	0.977503	0	0	0	0	0	0
0.009163	0.006853	0	0	0	0	0	0
0.00404	0.005734	0	0	0	0	0	0
0.006309	0.012561	0	0	0	0	0	0
0.996851	0.998268	0	0	0	0	0	0
0.968492	0.98619	0	0	0	0	0	0
0.324408	0.51322	0	0	0	0	0	0
0.99178	0.257288	0.66	0	0	0	0	0
0.964849	0.968675	0	0	0	0	0	0
0.979399	0.926787	0	0	0	0	0	0
0.983043	0.975558	0	0	0	0	0	0
0.908952	0.964281	0	0	0	0	0	0
0.936426	0.948453	0	0	0	0	0	0
0.978894	0.94374	0	0	0	0	0	0
0.985418	0.817259	0.01	0	0	0	0	0
0.986148	0.974401	0	0	0	0	0	0
0.953557	0.940739	0	0	0	0	0	0
0.996507	0.993998	0	0	0	0	0	0
0.996451	0.996234	0	0	0	0	0	0
0.012037	0.019124	0	0	0	0	0	0
0.0072	0.007561	0	0	0	0	0	0
0.996452	0.984035	0	0	0	0	0	0
0.855575	0.903742	0	0	0	0	0	0
0.008509	0.009146	0	0	0	0	0	0
0.908802	0.953711	0	0	0	0	0	0
0.938404	0.951716	0	0	0	0	0	0
0.562388	0.594537	0	0	0	0	0	0
0.102653	0.046585	0	0	0	0	0	0
0.97089	0.987102	0	0	0	0	0	0
0.998257	0.998074	0	0	0	0	0	0

0.463117	0.703905	0	0	0	0	0	0
0.109476	0.02436	0	0	0	0	0	0
0.077994	0.045578	0	0	0	0	0	0
0.063124	0.073634	0	0	0	0	0	0
0.980842	0.975946	0	0	0	0	0	0
0.062309	0.068141	0	0	0	0	0	0
0.71125	0.539593	0	0	0	0	0	0
0.919673	0.645618	0.01	0	0	0	0	0
0.037917	0.018987	0	0	0	0	0	0
0.912373	0.94943	0	0	0	0	0	0
0.937646	0.774618	0	0	0	0	0	0
0.881534	0.830707	0	0	0	0	0	0
0.946717	0.939969	0	0	0	0	0	0
0.268352	0.220319	0	0	0	0	0	0
0.945086	0.96803	0	0	0	0	0	0
0.290187	0.231204	0	0	0	0	0	0
0.937442	0.950644	0	0	0	0	0	0
0.36864	0.425323	0	0	0	0	0	0
0.962444	0.937146	0	0	0	0	0	0
0.003257	0.018307	0	0	0	0	0	0
0.971547	0.925027	0	0	0	0	0	0
0.944136	0.483763	0.1	0	0	0	0	0
0.984354	0.897891	0	0	0	0	0	0
0.367726	0.469331	0	0	0	0	0	0
0.942565	0.885408	0	0	0	0	0	0
0.986933	0.989361	0	0	0	0	9	1
0.954937	0.919464	0	0	0	0	0	0
0.649806	0.731952	0	0	0	0	0	0
0.356949	0.152344	0.04	0	0	0	0	0
0.870263	0.759178	0	0	0	0	0	0
0.6443	0.482739	0	0	0	0	0	0
0.149528	0.107056	0	0	0	0	0	0
0.021337	0.027988	0	0	0	0	0	0
0.275846	0.213867	0	0	0	0	0	0
0.983891	0.996014	0	0	0	0	0	0
0.870985	0.955021	0	0	0	0	0	0
0.153729	0.100533	0	0	0	0	0	0
0.445635	0.76663	0	0	0	0	0	0
0.9901	0.943433	0	0	0	0	0	0
0.9967	0.993829	0	0	0	0	0	0
0.456671	0.178564	0	0	0	0	0	0
0.974058	0.902674	0	0	0	0	0	0
0.984164	0.947547	0	0	0	0	0	0
0.979456	0.955023	0	0	0	0	0	0
0.030247	0.042278	0	0	0	0	0	0
0.989649	0.976907	0	0	0	0	0	0
0.989539	0.97587	0	0	0	0	0	0

0.991342	0.983108	0	0	0	0	0	0
0.971409	0.761231	0	0	0	0	0	0
0.986685	0.942713	0	0	0	0	0	0
0.986766	0.792377	0.08	0	0	0	0	0
0.989836	0.976519	0	0	0	0	0	0
0.85431	0.68728	0.02	0	0	0	0	0
0.816096	0.194461	0.15	0	0	0	0	0
0.030243	0.063248	0	0	0	0	0	0
0.946755	0.967691	0	0	0	0	0	0
0.024869	0.032292	0	0	0	0	0	0
0.037642	0.056626	0	0	0	0	0	0
0.008888	0.015422	0	0	0	0	0	0
0.942017	0.431803	0.2	0	0	0	0	0
0.890046	0.389898	0.33	0	0	0	0	0
0.98836	0.987888	0	0	0	0	0	0
0.993717	0.789494	0.1	0	0	0	0	0
0.970894	0.956964	0	0	0	0	0	0
0.586691	0.419094	0	0	0	0	0	0
0.090175	0.534849	0.16	0	0	0	0	0
0.994397	0.99543	0	0	0	0	0	0
0.214153	0.147464	0	0	0	0	0	0
0.939219	0.98062	0	0	0	0	0	0
0.949384	0.979088	0	0	0	0	0	0
0.052637	0.079367	0	0	0	0	0	0
0.570751	0.70189	0.01	0	0	0	0	0
0.039321	0.068128	0	0	0	0	0	0
0.153083	0.20604	0	0	0	0	0	0
0.982018	0.981135	0	0	0	0	0	0
0.985695	0.994133	0	0	0	0	0	0
0.097523	0.036849	0	0	0	0	0	0
0.097375	0.036793	0	0	0	0	0	0
0.059815	0.037258	0	0	0	0	0	0
0.936675	0.810089	0	0	0	0	0	0
0.990612	0.977987	0	0	0	0	0	0
0.971853	0.690525	0.1	0	0	0	0	0
0.980706	0.94592	0	0	0	0	0	0
0.071208	0.876325	0.48	0	0	0	0	0
0.930524	0.883785	0	0	0	0	0	0
0.138451	0.111642	0	0	0	0	0	0
0.868686	0.925503	0	0	0	0	0	0
0.141217	0.054781	0	0	0	0	0	0
0.194202	0.192433	0	0	0	0	0	0
0.968596	0.959926	0	0	0	0	0	0
0.96225	0.965439	0	0	0	0	0	0
0.972773	0.972178	0	0	0	0	0	0
0.980573	0.984365	0	0	0	0	0	0
0.970015	0.972715	0	0	0	0	0	0

0.975709	0.99634	0	0	0	0	0	0
0.991648	0.986625	0	0	0	0	0	0
0.996084	0.995827	0	0	0	0	0	0
0.697911	0.736745	0	0	0	0	0	0
0.527137	0.613779	0	0	0	11	0	0
0.918865	0.859549	0	0	6	0	0	0
0.986725	0.990806	0	0	0	0	0	0
0.978259	0.954665	0	0	0	0	0	0
0.979207	0.972874	0	0	0	0	0	0
0.987067	0.982688	0	0	0	0	0	0
0.95645	0.981706	0	0	0	0	0	0
0.96951	0.975256	0	0	0	0	0	0
0.964107	0.974703	0	0	0	0	0	0
0.958314	0.982933	0	0	0	0	0	0
0.909686	0.983581	0	0	0	0	0	0
0.940203	0.987028	0	0	0	0	0	0
0.951561	0.97287	0	0	0	0	0	0
0.971811	0.992775	0	0	0	0	0	0
0.977139	0.99173	0	0	0	0	0	0
0.964272	0.977193	0	0	0	0	0	0
0.963352	0.981823	0	0	0	0	0	0
0.970005	0.950789	0	0	0	0	0	0
0.984761	0.99315	0	0	0	0	0	0
0.970425	0.978549	0	0	0	0	0	0
0.977408	0.956893	0	0	0	0	0	0
0.978805	0.97227	0	0	0	0	0	0
0.961829	0.971533	0	0	0	0	0	0
0.974728	0.954791	0	0	0	0	0	0
0.050187	0.003869	0	0	0	0	0	0
0.988362	0.975436	0	0	0	0	0	0
0.967241	0.996118	0	0	0	0	0	0
0.79837	0.906803	0	0	0	0	0	0
0.967602	0.985199	0	0	0	0	0	0
0.954847	0.923168	0	0	0	0	0	0
0.963232	0.977242	0	0	0	0	0	0
0.875747	0.779436	0	0	0	0	0	0
0.955434	0.971947	0	0	0	0	0	0
0.773151	0.942418	0.02	0	0	0	0	0
0.972163	0.841091	0	0	0	0	0	0
0.88716	0.37242	0.38	0	0	5	0	0
0.99731	0.988278	0	0	0	0	0	0
0.680677	0.43769	0.04	0	0	0	0	0
0.978166	0.958963	0	0	0	0	0	0
0.988805	0.984743	0	0	0	0	0	0
0.984083	0.910895	0	0	0	0	0	0
0.985371	0.913569	0	0	0	0	0	0
0.997263	0.997326	0	0	0	0	0	0

0.999505	0.998217	0	0	0	0	0	0
0.006207	0.009031	0	0	0	0	0	0
0.002288	0.003649	0	0	0	0	0	0
0.997796	0.997509	0	0	0	0	0	0
0.040005	0.040163	0	0	0	0	0	0
0.991529	0.992367	0	0	0	0	0	0
0.994099	0.996297	0	0	0	0	0	0
0.987807	0.958974	0	0	0	0	0	0
0.991984	0.984282	0	0	0	0	0	0
0.984058	0.992356	0	0	0	0	0	0
0.990104	0.984366	0	0	0	0	0	0
0.990622	0.980015	0	0	0	0	0	0
0.004543	0.003446	0	0	0	0	0	0
0.997965	0.995317	0	0	0	0	0	0
0.998366	0.990284	0	0	0	0	0	0
0.99708	0.983581	0	0	0	0	0	0
0.014248	0.003846	0	0	0	0	0	0
0.014311	0.010151	0	0	0	0	0	0
0.989577	0.96392	0	0	0	0	0	0
0.971273	0.841567	0	0	0	0	0	0
0.119923	0.443929	0	0	0	0	0	0
0.012459	0.020964	0	0	0	0	0	0
0.993215	0.988536	0	0	0	0	0	0
0.038698	0.035469	0	0	0	0	0	0
0.136555	0.070267	0	0	0	0	0	0
0.047869	0.051165	0	0	0	0	0	0
0.59509	0.70671	0.12	0	0	4	0	0
0.997476	0.995002	0	0	0	0	0	0
0.997611	0.998418	0	0	0	0	0	0
0.985687	0.981705	0	0	0	0	0	0
0.661812	0.72038	0	0	0	0	0	0
0.030991	0.036765	0	0	0	0	0	0
0.961784	0.367384	0.33	0	0	0	0	0
0.944687	0.718954	0	0	0	0	0	0
0.952717	0.585963	0.07	0	0	0	0	0
0.055666	0.032389	0	0	0	0	0	0
0.977189	0.960942	0	0	0	0	0	0
0.040519	0.027153	0	0	0	0	0	0
0.967774	0.914965	0	0	0	0	0	0
0.884655	0.9499	0	0	0	0	0	0
0.967662	0.945276	0	0	0	0	0	0
0.008709	0.031805	0	0	0	0	0	0
0.994245	0.984599	0	0	0	0	0	0
0.993905	0.986535	0	0	0	0	0	0
0.993852	0.990629	0	0	0	0	0	0
0.96443	0.870225	0	0	0	0	0	0
0.992169	0.98744	0	0	0	0	0	0

0.987299	0.970348	0	0	0	0	0	0
0.966673	0.778478	0.01	0	0	0	0	0
0.027212	0.095774	0	0	0	0	0	0
0.99236	0.899073	0	0	0	0	0	0
0.011887	0.0165	0	0	0	0	0	0
0.98951	0.987486	0	0	0	0	0	0
0.277507	0.435403	0.01	0	0	0	0	0
0.821992	0.951993	0	0	0	0	0	0
0.952097	0.94031	0	0	0	0	0	0
0.819249	0.468021	0	0	0	0	0	0
0.990966	0.995257	0	0	0	0	0	0
0.005587	0.002669	0	0	0	0	0	0
0.011699	0.012297	0	0	0	0	0	0
0.008183	0.020244	0	0	0	0	0	0
0.953972	0.977108	0	0	0	0	0	0
0.973253	0.988603	0	0	0	0	0	0
0.994368	0.9309	0.02	0	0	0	0	0
0.996028	0.991388	0	0	0	0	0	0
0.995856	0.993098	0	0	0	0	0	0
0.995361	0.997413	0	0	0	0	0	0
0.994268	0.997245	0	0	0	0	0	0
0.995727	0.994871	0	0	0	0	0	0
0.986887	0.979336	0	0	0	0	0	0
0.018456	0.030421	0	0	0	0	0	0
0.992155	0.980222	0	0	0	0	0	0
0.994668	0.991177	0	0	0	0	0	0
0.991527	0.983682	0	0	0	0	0	0
0.984286	0.858013	0.01	0	0	0	0	0
0.999537	0.996598	0	3	0	0	0	0
0.001191	0.00395	0	0	0	0	0	0
0.997753	0.997742	0	0	0	0	0	0
0.012627	0.012228	0	0	0	0	0	0
0.033762	0.024755	0	0	0	0	0	0
0.010235	0.044993	0	0	0	0	0	0
0.994638	0.97591	0	0	0	0	0	0
0.995368	0.992314	0	0	0	0	0	0
0.989142	0.985468	0	0	0	0	0	0
0.97877	0.998785	0	0	0	0	0	0
0.975454	0.997696	0	0	0	0	0	0
0.977602	0.983881	0	0	0	0	0	0
0.975645	0.963941	0	0	0	0	0	0
0.976965	0.966843	0	0	0	0	0	0
0.984816	0.981477	0	0	0	0	0	0
0.991994	0.997724	0	0	0	0	0	0
0.008715	0.039467	0	0	0	0	0	0
0.998148	0.99416	0	0	0	0	0	0
0.978729	0.924436	0	0	0	0	0	0

0.991485	0.984299	0	0	0	0	0	0
0.991572	0.977171	0	0	0	0	0	0
0.992993	0.988204	0	0	0	0	0	0
0.992551	0.989122	0	0	0	0	0	0
0.957946	0.755987	0.01	0	0	0	0	0
0.982665	0.985751	0	0	0	0	0	0
0.925534	0.884519	0	0	0	0	0	0
0.990281	0.941099	0	0	0	0	0	0
0.970504	0.984542	0	0	0	0	0	0
0.997977	0.997517	0	0	0	0	0	0
0.997142	0.995246	0	0	0	0	0	0
0.997489	0.994586	0	0	0	0	0	0
0.996506	0.998074	0	0	0	0	0	0
0.909854	0.816717	0.02	0	0	0	3	3
0.467568	0.475858	0	0	0	0	0	0
0.798721	0.432774	0.27	0	5	5	0	0
0.984082	0.979765	0	0	5	0	0	0
0.980644	0.990929	0	0	0	0	0	0
0.005703	0.017232	0	0	0	0	0	0
0.997277	0.998215	0	0	0	0	0	0
0.997481	0.997724	0	0	0	0	0	0
0.995378	0.99515	0	0	0	0	0	0
0.997702	0.993364	0	0	0	0	0	0
0.003288	0.023778	0	0	0	0	0	0
0.997715	0.995143	0	0	0	0	7	7
0.003305	0.011997	0	0	0	0	0	0
0.998554	0.973771	0	0	0	0	0	0
0.929133	0.717713	0.08	7	0	0	0	0
0.998761	0.986684	0	0	0	0	0	0
0.997356	0.996512	0	0	0	0	0	0
0.998629	0.9911	0	0	0	0	0	0
0.003947	0.011334	0	0	0	0	0	0
0.007536	0.01417	0	0	0	0	0	0
0.99432	0.993977	0	7	0	0	0	0
0.82723	0.769228	0	0	0	0	0	0
0.998714	0.998175	0	0	0	0	0	0
0.998915	0.99825	0	0	0	0	0	0
0.006476	0.015665	0	0	0	0	0	0
0.00237	0.047163	0.02	0	0	0	0	0
0.996187	0.973135	0	0	0	0	0	0
0.993681	0.960111	0	0	0	0	0	0
0.994394	0.669796	0.16	0	0	0	0	0
0.055537	0.02788	0	0	0	0	0	0
0.98397	0.957908	0	0	0	0	0	0
0.9206	0.639188	0.04	0	0	0	0	0
0.964468	0.95775	0	0	0	0	0	0
0.708229	0.895663	0	0	2	0	0	0

0.559238	0.761282	0	0	2	0	0	0
0.994169	0.937137	0	0	0	0	0	0
0.988763	0.985486	0	0	0	0	0	0
0.816411	0.792247	0	0	0	0	0	0
0.958235	0.986676	0	0	0	0	0	0
0.933647	0.830361	0	0	0	0	0	0
0.981172	0.95736	0	0	0	0	0	0
0.042787	0.058258	0	0	0	0	0	0
0.085586	0.053593	0	0	0	0	0	0
0.927165	0.863938	0	0	0	0	0	0
0.951444	0.954221	0	0	0	0	0	0
0.010039	0.018153	0	0	0	0	0	0
0.970191	0.986717	0	0	0	0	0	0
0.992472	0.981953	0	0	0	0	0	0
0.992382	0.976301	0	0	0	0	0	0
0.012531	0.008425	0	0	0	0	0	0
0.978162	0.967745	0	0	0	0	0	0
0.984159	0.973264	0	0	0	0	0	0
0.973725	0.856535	0	0	0	0	0	0
0.984621	0.956846	0	0	0	0	0	0
0.412752	0.628584	0	0	0	0	0	0
0.703317	0.783349	0	0	0	0	0	0
0.969212	0.97705	0	0	0	0	0	0
0.990661	0.870854	0.03	0	0	0	0	0
0.94023	0.906798	0	0	0	0	0	0
0.994437	0.982713	0	0	0	0	0	0
0.998307	0.996317	0	0	0	0	0	0
0.006317	0.007168	0	0	0	0	0	0
0.989144	0.826166	0.1	0	0	0	0	0
0.94621	0.958763	0	0	0	0	0	0
0.991538	0.995924	0	0	0	0	0	0
0.991824	0.985492	0	0	0	0	0	0
0.563305	0.358664	0	0	0	0	0	0
0.964565	0.989894	0	0	0	0	0	0
0.062959	0.066144	0	0	0	0	0	0
0.052508	0.032091	0	0	0	0	0	0
0.996057	0.984726	0	0	0	0	0	0
0.008189	0.006478	0	0	0	0	0	0
0.998351	0.998984	0	0	0	0	0	0
0.90472	0.797996	0.03	0	0	0	0	0
0.013985	0.011609	0	0	0	0	0	0
0.012896	0.007515	0	0	0	0	0	0
0.992233	0.990421	0	0	0	0	0	0
0.975625	0.970684	0	0	0	0	0	0
0.997494	0.996921	0	0	0	0	0	0
0.990215	0.897203	0.05	0	0	0	0	0
0.942811	0.841397	0.03	0	0	0	0	0

0.999881	0.999769	0	0	0	0	0	0
0.998419	0.99843	0	0	0	0	0	0
0.102541	0.234288	0	0	0	0	0	0
0.999109	0.996139	0	0	0	0	0	0
0.997904	0.986929	0	0	0	0	0	0
0.997315	0.992145	0	0	0	0	0	0
0.997512	0.955485	0	0	0	0	0	0
0.059837	0.182491	0	0	0	0	0	0
0.992651	0.951429	0	0	0	0	0	0
0.976174	0.977396	0	0	0	0	0	0
0.988365	0.984372	0	0	0	0	0	0
0.990198	0.9725	0	0	0	0	0	0
0.016021	0.010207	0	0	0	0	0	0
0.987029	0.991074	0	0	0	0	0	0
0.97951	0.982804	0	0	0	0	0	0
0.945065	0.987228	0	0	0	0	0	0
0.03788	0.105974	0	0	0	0	0	0
0.983656	0.985403	0	0	0	0	0	0
0.971198	0.928916	0	0	0	0	0	0
0.836585	0.971754	0	0	0	0	0	0
0.897703	0.967324	0	0	0	0	0	0
0.968064	0.992905	0	0	0	0	0	0
0.973682	0.990325	0	0	0	0	0	0
0.015141	0.006018	0	0	0	0	0	0
0.088297	0.265121	0	0	0	0	0	0
0.991152	0.996313	0	0	0	0	0	0
0.048819	0.068481	0	0	0	0	0	0
0.975525	0.973984	0	0	0	0	0	0
0.989552	0.98017	0	0	0	0	0	0
0.061426	0.059552	0	0	0	0	0	0
0.06199	0.096581	0	0	0	0	0	0
0.115853	0.124877	0	0	0	0	0	0
0.387359	0.429386	0	0	0	0	0	0
0.978329	0.928305	0	0	0	0	0	0
0.09727	0.102296	0	0	0	0	0	0
0.980378	0.98379	0	0	0	0	0	0
0.194521	0.152166	0	0	0	0	0	0
0.99835	0.999005	0	0	0	0	0	0
0.998491	0.998385	0	0	0	0	0	0
0.00628	0.005583	0	0	0	0	0	0
0.717877	0.924122	0.15	0	0	0	0	0
0.994204	0.882685	0.08	0	0	0	0	0
0.359029	0.295679	0	0	0	0	0	0
0.99489	0.978696	0	0	0	0	0	0
0.02048	0.007224	0	0	0	0	0	0
0.997833	0.995752	0	0	0	0	0	0
0.998995	0.997127	0	0	0	0	0	0

0.998277	0.992616	0	0	0	0	0	0
0.996966	0.994518	0	0	0	0	0	0
0.796288	0.935054	0.06	0	0	0	0	0
0.992312	0.99578	0	0	0	0	0	0
0.992632	0.329125	0.58	0	0	0	0	0
0.998374	0.990021	0	0	0	0	0	0
0.998289	0.995244	0	0	0	0	0	0
0.997917	0.995542	0	0	0	0	0	0
0.997166	0.977557	0	0	0	0	0	0
0.985945	0.951072	0	0	0	0	0	0
0.983903	0.955072	0	0	0	0	0	0
0.979801	0.948325	0	0	0	0	0	0
0.011124	0.026635	0	0	0	0	0	0
0.991209	0.983581	0	0	0	0	0	0
0.993102	0.985901	0	0	0	0	0	0
0.993037	0.978905	0	0	0	0	0	0
0.994449	0.974414	0	0	0	0	0	0
0.996079	0.987165	0	0	0	0	0	0
0.996631	0.994085	0	0	0	0	0	0
0.99325	0.953005	0	0	0	0	0	0
0.992718	0.980843	0	0	0	0	0	0
0.994772	0.986034	0	0	0	0	0	0
0.01126	0.042973	0	0	0	0	0	0
0.993924	0.493636	0.36	0	0	0	0	0
0.935893	0.359027	0.44	0	0	0	0	0
0.919406	0.741534	0.05	0	0	0	0	0
0.008959	0.026914	0	0	0	0	0	0
0.00996	0.031467	0	0	0	0	0	0
0.986499	0.98576	0	0	0	0	0	0
0.990851	0.989268	0	0	0	0	0	0
0.990679	0.982671	0	0	0	0	0	0
0.991924	0.981148	0	0	0	0	0	0
0.999433	0.999195	0	0	0	0	17	17
0.955302	0.933951	0	0	0	0	0	0
0.940299	0.958108	0	0	0	0	0	0
0.044693	0.084724	0	0	0	0	0	0
0.939493	0.931611	0	0	0	0	0	0
0.962556	0.966865	0	0	0	0	0	0
0.957163	0.966771	0	0	0	0	0	0
0.966537	0.961345	0	0	0	0	0	0
0.166544	0.140196	0	0	0	0	0	0
0.923757	0.768546	0	0	0	0	0	0
0.995421	0.991339	0	0	0	0	0	0
0.00653	0.004115	0	0	0	0	0	0
0.993691	0.994338	0	0	0	0	0	0
0.004754	0.008893	0	0	0	0	0	0
0.988282	0.992281	0	0	0	0	0	0

0.996356	0.993369	0	0	0	0	0	0
0.994024	0.994429	0	0	0	0	0	0
0.995634	0.995556	0	0	0	0	0	0
0.993194	0.994077	0	0	0	0	1	1
0.992703	0.991835	0	0	0	0	0	0
0.987514	0.991777	0	0	0	0	0	0
0.995932	0.997169	0	2	0	0	0	0
0.013205	0.011936	0	0	0	0	0	0
0.996003	0.986139	0	0	0	0	0	0
0.988163	0.992195	0	0	0	0	0	0
0.995239	0.985658	0	0	0	0	0	0
0.993772	0.997573	0	0	0	0	0	0
0.995641	0.997309	0	0	0	0	0	0
0.974997	0.992389	0	0	0	0	0	0
0.519817	0.551103	0	0	0	0	0	0
0.972039	0.956213	0	0	0	0	0	0
0.963386	0.946758	0	0	0	0	0	0
0.959851	0.959991	0	0	0	0	0	0
0.97463	0.945379	0	0	0	0	0	0
0.922857	0.932791	0	0	0	0	0	0
0.993085	0.974474	0	0	0	0	0	0
0.993378	0.984059	0	0	0	0	0	0
0.989025	0.974261	0	0	1	0	0	0
0.948695	0.940338	0	0	0	0	0	0
0.995851	0.997429	0	0	0	0	0	0
0.876069	0.636224	0.16	0	0	0	0	0
0.985779	0.985845	0	0	0	0	0	0
0.361281	0.437155	0	0	0	0	0	0
0.986789	0.956031	0	0	0	0	0	0
0.991787	0.962755	0	0	0	0	0	0
0.105013	0.581544	0	0	0	0	0	0
0.997691	0.981683	0	0	0	0	0	0
0.03509	0.040948	0	0	0	0	0	0
0.992052	0.988482	0	0	0	0	0	0
0.942962	0.81344	0	0	0	0	0	0
0.991684	0.885706	0.02	0	0	0	0	0
0.990169	0.879009	0.01	0	0	0	0	0
0.033764	0.042875	0	0	0	0	0	0
0.052328	0.051286	0	0	0	0	0	0
0.208513	0.420481	0	0	0	0	0	0
0.9965	0.998286	0	0	0	0	0	0
0.993105	0.987362	0	0	0	0	0	0
0.992708	0.991296	0	0	0	0	0	0
0.993382	0.995556	0	0	0	0	0	0
0.988743	0.989843	0	0	0	0	0	0
0.98826	0.992272	0	0	0	0	0	0
0.991439	0.996422	0	0	0	0	0	0

0.939285	0.944627	0	0	0	0	0	0
0.139647	0.057306	0	0	0	0	0	0
0.055831	0.265063	0.05	0	0	0	0	0
0.963403	0.970843	0	0	0	0	0	0
0.99758	0.996629	0	0	0	0	0	0
0.963727	0.949168	0	0	0	0	0	0
0.974953	0.954948	0	0	0	0	0	0
0.958138	0.952614	0	0	0	0	0	0
0.433879	0.534053	0	0	0	0	0	0
0.958802	0.942151	0	0	0	0	0	0
0.996981	0.998062	0	0	0	0	0	0
0.997998	0.997205	0	0	0	0	0	0
0.995817	0.957612	0.01	0	0	0	0	0
0.996461	0.944872	0	0	0	0	0	0
0.996702	0.980748	0	0	0	0	0	0
0.99615	0.968928	0	0	0	0	0	0
0.995946	0.974947	0	0	0	0	0	0
0.959252	0.944365	0	0	0	0	0	0
0.86895	0.301409	0.46	0	0	0	0	0
0.995464	0.995055	0	0	0	0	0	0
0.004622	0.003014	0	0	0	0	0	0
0.982099	0.921544	0	0	0	0	0	0
0.990615	0.989075	0	0	0	0	0	0
0.018497	0.070109	0	0	0	0	0	0
0.990319	0.984631	0	0	0	0	0	0
0.990866	0.989936	0	0	0	0	0	0
0.98059	0.982678	0	0	0	0	0	0
0.992546	0.985453	0	0	0	0	0	0
0.980142	0.96734	0	0	0	0	0	0
0.995406	0.986097	0	0	0	0	0	0
0.996606	0.980704	0	0	0	0	0	0
0.995652	0.988228	0	0	0	0	0	0
0.972136	0.978304	0	0	0	0	0	0
0.981886	0.870089	0.02	1	0	0	3	0
0.036279	0.141115	0	1	0	0	0	0
0.899122	0.970226	0	1	0	0	8	0
0.998037	0.988115	0	0	0	0	0	0
0.993226	0.992224	0	0	0	0	0	0
0.924372	0.948476	0.03	0	0	0	0	0
0.998059	0.973582	0.01	0	0	0	0	0
0.9945	0.989148	0	0	0	0	0	0
0.996904	0.99425	0	0	0	0	0	0
0.998787	0.998902	0	0	0	0	0	0
0.972289	0.974223	0	0	0	0	0	0
0.036358	0.037232	0	0	0	0	0	1
0.971609	0.969271	0	0	0	0	0	0
0.982416	0.943651	0	0	0	0	0	0

0.965866	0.973867	0	0	0	0	0	0
0.011611	0.018401	0	0	0	0	0	0
0.100287	0.061024	0	0	0	0	0	0
0.999163	0.999085	0	0	0	0	0	0
0.390194	0.181098	0	0	0	0	5	5
0.986952	0.948982	0	0	0	0	0	0
0.969639	0.942942	0	0	0	0	0	0
0.99202	0.938275	0	0	12	7	0	0
0.992939	0.989934	0	0	0	0	0	0
0.995294	0.992093	0	0	0	0	0	0
0.894091	0.878913	0	0	0	0	0	0
0.748876	0.630296	0.02	0	0	0	0	0
0.966359	0.866313	0.03	0	0	0	0	0
0.990498	0.982421	0	0	0	0	0	0
0.968035	0.920351	0	0	0	0	0	0
0.980063	0.943792	0	0	0	0	0	0
0.934291	0.97107	0	0	0	0	2	2
0.938847	0.919834	0	0	0	0	0	0
0.018313	0.035907	0	0	0	0	0	0
0.993424	0.984318	0	0	0	0	0	0
0.995399	0.997924	0	0	0	0	0	0
0.024789	0.108558	0	0	0	0	0	0
0.043194	0.06326	0	0	0	0	0	0
0.987864	0.992503	0	0	0	0	0	0
0.079675	0.238433	0	0	0	0	0	0
0.017065	0.043994	0	0	0	0	0	0
0.007497	0.025815	0	0	0	0	0	0
0.986235	0.996234	0	0	0	0	0	0
0.994597	0.976687	0	0	0	0	0	0
0.990668	0.980703	0	0	0	0	0	0
0.990343	0.98645	0	0	0	0	0	0
0.022047	0.108561	0	0	0	0	0	0
0.985846	0.845123	0	0	0	0	0	0
0.986826	0.948229	0	0	0	0	0	0
0.997867	0.998921	0	0	0	0	0	0
0.99772	0.996184	0	0	0	0	0	0
0.999331	0.99925	0	0	0	0	0	0
0.999486	0.997346	0	0	0	0	0	0
0.968962	0.946391	0	0	0	0	0	0
0.985828	0.966713	0	0	0	0	0	0
0.024458	0.087173	0	0	0	0	0	0
0.979469	0.989133	0	0	0	0	0	0
0.966871	0.981019	0	0	0	0	0	0
0.977931	0.9111	0	0	0	0	0	0
0.98398	0.969842	0	0	0	0	0	0
0.900572	0.7077	0	0	0	0	0	0
0.050607	0.061348	0	0	0	0	1	0

0.420014	0.818534	0.16	0	0	0	0	0
0.992594	0.992524	0	0	0	0	0	0
0.983534	0.987222	0	0	0	0	0	0
0.995449	0.997523	0	0	0	0	0	0
0.994985	0.997664	0	0	0	0	0	0
0.026206	0.075316	0	0	0	0	0	0
0.99632	0.992888	0	0	0	0	0	0
0.99589	0.981502	0	0	0	0	0	0
0.971063	0.923267	0	0	0	0	0	0
0.029562	0.030244	0	0	0	0	0	0
0.998624	0.997503	0	0	0	0	0	0
0.992881	0.995138	0	0	0	0	0	0
0.965727	0.99699	0	0	0	0	0	0
0.988066	0.961184	0	0	0	0	0	0
0.994037	0.995851	0	0	0	0	0	0
0.99427	0.994434	0	0	0	0	0	0
0.993323	0.993584	0	0	0	0	0	0
0.986998	0.991643	0	0	0	0	0	0
0.983804	0.949693	0	0	0	0	0	0
0.114644	0.080541	0	0	0	0	0	0
0.952198	0.939044	0	0	0	0	0	0
0.226165	0.132539	0	0	0	0	0	0
0.861155	0.963622	0	0	0	0	0	0
0.940729	0.970798	0	0	0	0	0	0
0.998975	0.999594	0	0	0	0	0	0
0.999337	0.998792	0	0	0	0	0	0
0.995637	0.998658	0	0	0	0	0	0
0.998088	0.997664	0	0	0	0	0	0
0.933516	0.994951	0.03	0	0	0	0	0
0.999448	0.999831	0	0	0	0	0	0
0.919405	0.866383	0	0	0	0	0	0
0.865435	0.923432	0	0	0	0	0	0
0.965695	0.990938	0	0	0	0	0	0
0.913225	0.978345	0	0	0	0	0	0
0.993228	0.991885	0	0	0	0	0	0
0.960531	0.87327	0	0	0	0	0	0
0.94766	0.859127	0	0	0	0	0	0
0.97414	0.980878	0	0	0	0	0	0
0.010665	0.005634	0	0	0	0	0	0
0.976351	0.969213	0	0	0	0	0	0
0.993664	0.991615	0	0	0	0	0	0
0.985223	0.989266	0	0	0	0	0	0
0.96966	0.989387	0	0	0	0	0	0
0.993084	0.996129	0	0	0	0	0	0
0.991506	0.986595	0	0	0	0	0	0
0.023027	0.009308	0	0	0	0	0	0
0.984839	0.995377	0	0	0	0	0	0

0.982431	0.970068	0	0	0	0	0	0
0.014682	0.03767	0	0	0	0	0	0
0.917374	0.955981	0	0	0	0	0	0
0.002715	0.002777	0	0	0	0	0	0
0.005064	0.008834	0	0	0	0	0	0
0.933834	0.983113	0.01	0	0	0	0	0
0.125315	0.076509	0	0	0	0	0	0
0.045354	0.052904	0	0	0	0	0	0
0.021211	0.011956	0.01	0	0	0	0	0
0.012522	0.027828	0	0	0	0	0	0
0.994314	0.994401	0	0	0	0	0	0
0.026985	0.02141	0	0	0	0	0	0
0.986267	0.993957	0	0	0	0	0	0
0.992985	0.997834	0	0	0	0	0	0
0.987119	0.994007	0	0	0	0	0	0
0.993383	0.994504	0	0	0	0	0	0
0.994497	0.996918	0	0	0	0	0	0
0.992461	0.997026	0	0	0	0	0	0
0.991626	0.99686	0	0	0	0	0	0
0.076882	0.170058	0	0	0	0	0	0
0.994417	0.996475	0	0	0	0	0	0
0.994968	0.996057	0	0	0	0	0	0
0.993205	0.987136	0	0	0	0	0	0
0.990297	0.993041	0	0	0	0	0	0
0.01545	0.019814	0	0	0	0	0	0
0.025119	0.026087	0	0	0	0	0	0
0.992842	0.964033	0	0	0	0	0	0
0.993292	0.986883	0	0	0	0	0	0
0.98736	0.821537	0.07	0	0	0	0	0
0.991089	0.984831	0	0	0	0	0	0
0.984537	0.985871	0	0	0	0	0	0
0.994182	0.991812	0	0	0	0	0	0
0.98988	0.96179	0	0	0	0	0	0
0.988851	0.912615	0.02	0	0	0	0	0
0.02345	0.017368	0	0	0	0	0	0
0.985065	0.99613	0	0	0	0	0	0
0.97221	0.985112	0	0	0	0	0	0
0.991045	0.98831	0	0	0	0	0	0
0.024761	0.026432	0	0	0	0	0	0
0.989384	0.988455	0	0	0	0	0	0
0.995248	0.993959	0	0	0	0	0	0
0.00887	0.054061	0	0	0	0	0	0
0.999016	0.995184	0	0	0	0	0	0
0.985931	0.954041	0	0	0	0	0	0
0.001485	0.012603	0	0	0	0	0	0
0.998182	0.988679	0	0	0	0	0	0
0.843851	0.969376	0	0	0	0	0	0

0.034482	0.196565	0.04	0	0	0	0	0
0.967791	0.899201	0	0	0	0	0	0
0.596081	0.487705	0	0	0	0	0	0
0.015783	0.0179	0	0	0	0	5	0
0.978239	0.975521	0	0	0	0	0	0
0.049557	0.033918	0	0	0	0	0	0
0.803455	0.715965	0	0	0	0	0	0
0.9816	0.984449	0	0	0	0	0	0
0.973229	0.945114	0	0	0	0	0	0
0.967926	0.952759	0	0	0	0	0	0
0.986524	0.979656	0	0	0	0	0	0
0.986507	0.986953	0	0	0	0	0	0
0.982369	0.98602	0	0	0	0	0	0
0.982109	0.983453	0	0	0	0	0	0
0.180108	0.361077	0.02	0	0	0	0	0
0.973743	0.961159	0	0	0	0	0	0
0.962459	0.956487	0	0	0	0	0	0
0.967117	0.955639	0	0	0	0	0	0
0.578514	0.590258	0	0	0	0	0	0
0.905324	0.806017	0	0	0	0	0	0
0.944532	0.965661	0	0	0	0	0	0
0.996641	0.994528	0	0	0	0	0	0
0.997116	0.984451	0	0	0	0	0	0
0.993209	0.951899	0	0	0	0	0	0
0.996428	0.984803	0	0	0	0	0	0
0.988494	0.985738	0	0	0	0	0	0
0.997297	0.993635	0	0	0	0	0	0
0.997143	0.980353	0	0	0	0	0	0
0.994391	0.974818	0	0	0	0	0	0
0.997486	0.985993	0	0	0	0	0	0
0.967562	0.979225	0	0	0	0	0	0
0.971036	0.934966	0	0	0	0	0	0
0.995524	0.995321	0	0	0	0	0	0
0.996858	0.997003	0	0	0	0	0	0
0.605315	0.470507	0	0	0	0	0	0
0.970593	0.98414	0	0	0	0	0	0
0.040581	0.055802	0	0	0	0	0	0
0.075285	0.171918	0	0	0	0	0	0
0.991252	0.955222	0	0	0	0	0	0
0.983463	0.952793	0	0	0	0	0	0
0.019354	0.03965	0	0	0	0	0	0
0.008882	0.029063	0	0	0	0	0	0
0.950465	0.959073	0	0	0	0	0	0
0.014618	0.02243	0	0	0	0	0	0
0.011295	0.015151	0	0	0	0	0	0
0.991945	0.963346	0	0	0	0	0	0
0.012299	0.011197	0	0	0	0	0	0

0.998134	0.990618	0	0	0	0	0	0
0.016961	0.036497	0	0	0	0	0	0
0.008662	0.024864	0	0	0	0	0	0
0.989828	0.992104	0	0	0	0	0	0
0.943217	0.987475	0	0	0	0	0	0
0.990249	0.347642	0.5	0	0	0	0	0
0.452214	0.575658	0	0	0	0	0	0
0.992775	0.997403	0	0	0	0	0	0
0.99657	0.997951	0	0	0	0	0	0
0.989996	0.963186	0	0	0	0	0	0
0.993596	0.992573	0	0	0	0	0	0
0.994277	0.969547	0	0	0	0	0	0
0.421395	0.229685	0.01	0	0	0	0	0
0.390449	0.45278	0	0	0	0	0	0
0.963895	0.836003	0.06	0	0	0	0	0
0.996942	0.998909	0	0	0	0	0	0
0.979247	0.948373	0	0	0	0	0	0
0.970706	0.667462	0.15	0	0	0	0	0
0.987903	0.984613	0	0	0	0	0	0
0.963027	0.962879	0	0	0	0	0	0
0.987587	0.995683	0	0	0	3	0	0
0.931086	0.973101	0	0	0	0	0	0
0.979376	0.982344	0	0	0	0	0	0
0.979921	0.958522	0	0	0	0	0	0
0.997293	0.994793	0	0	0	0	0	0
0.006789	0.042898	0	0	0	0	0	0
0.994573	0.992485	0	0	0	0	0	0
0.979079	0.975635	0	0	0	0	0	0
0.02244	0.058621	0	0	0	0	0	0
0.997054	0.995993	0	0	0	0	0	0
0.99625	0.997386	0	0	0	0	0	0
0.69324	0.730796	0	0	0	0	0	0
0.867861	0.954262	0.02	0	0	0	0	0
0.002591	0.001884	0	0	0	0	0	0
0.999082	0.998231	0	0	0	0	0	0
0.959343	0.971716	0	0	0	0	0	0
0.992382	0.984166	0	0	0	0	0	0
0.884388	0.85293	0	0	0	0	0	0
0.875844	0.94631	0	0	0	0	0	0
0.801114	0.930659	0	0	0	0	0	3
0.999298	0.983006	0	0	0	0	0	0
0.999103	0.969315	0.01	0	0	0	0	0
0.01155	0.072182	0.04	0	0	0	0	0
0.996937	0.992494	0	0	0	0	0	0
0.99099	0.982535	0	0	0	0	0	0
0.911171	0.964583	0	0	0	0	0	0
0.934622	0.982516	0	1	0	0	0	0

0.900511	0.973264	0.02	0	0	0	0	0
0.984321	0.98916	0	0	0	0	0	0
0.993736	0.996328	0	0	0	0	0	0
0.995574	0.995713	0	0	0	0	0	0
0.246502	0.641108	0.15	0	0	0	0	0
0.328711	0.122792	0.05	1	0	0	0	0
0.098197	0.086005	0	0	0	0	0	0
0.967152	0.914271	0	0	0	0	0	0
0.987162	0.879634	0.01	0	0	0	0	0
0.989136	0.941637	0	0	0	0	0	0
0.00609	0.017912	0	0	0	0	0	0
0.991634	0.973711	0	0	0	0	0	0
0.990878	0.975441	0	0	0	0	0	0
0.977118	0.971648	0.01	0	0	0	0	0
0.98812	0.973883	0.01	0	0	0	0	0
0.632454	0.210046	0.31	0	0	0	0	0
0.972052	0.982695	0	0	0	0	0	0
0.983566	0.905199	0.01	0	0	0	0	0
0.986129	0.950184	0	0	0	0	0	0
0.997601	0.998779	0	0	0	0	0	0
0.99606	0.9983	0	0	0	0	0	0
0.997899	0.993665	0	0	0	0	0	0
0.960981	0.977295	0	0	0	0	0	0
0.983474	0.989437	0	0	0	0	0	0
0.974085	0.906667	0	0	0	0	0	0
0.974212	0.913332	0	0	0	0	0	0
0.978088	0.936479	0	0	0	0	0	0
0.975612	0.940833	0	0	0	0	0	0
0.928233	0.932843	0	0	0	0	0	0
0.96028	0.946479	0	0	0	0	0	0
0.992265	0.988717	0	0	0	0	0	0
0.010555	0.006838	0	0	0	0	0	0
0.361782	0.22184	0	0	0	0	0	0
0.391673	0.241361	0	0	0	0	0	0
0.989982	0.989589	0	0	0	0	0	0
0.991903	0.991417	0	0	0	0	0	0
0.784319	0.807429	0	0	0	0	0	0
0.027775	0.022965	0	0	0	0	0	0
0.99497	0.979102	0	0	0	0	0	0
0.85984	0.788284	0	0	0	0	0	0
0.652301	0.68733	0	0	0	0	0	0
0.604126	0.656846	0	0	1	1	0	0
0.377962	0.624673	0	0	0	0	0	0
0.001644	0.000836	0	0	0	0	0	0
0.003756	0.005562	0	0	0	0	0	0
0.857436	0.902072	0.01	0	0	0	0	0
0.997546	0.987992	0	0	0	0	0	0

0.082732	0.425771	0.25	0	0	0	0	0
0.960251	0.559242	0.32	0	0	0	0	0
0.043644	0.044267	0	0	0	0	0	0
0.99477	0.980161	0	0	0	0	0	0
0.028339	0.12433	0	0	0	0	0	0
0.024621	0.091819	0	0	0	0	0	0
0.994227	0.960815	0	0	0	0	0	0
0.998337	0.998474	0	0	0	0	0	0
0.970301	0.95223	0	0	0	0	0	0
0.050773	0.043144	0	0	0	0	0	0
0.972889	0.974896	0	0	0	0	0	0
0.983028	0.970378	0	0	0	0	0	0
0.079244	0.203443	0	0	0	0	0	0
0.900434	0.874716	0	0	0	0	0	0
0.903084	0.955077	0	0	0	0	0	0
0.923635	0.932445	0	0	0	0	0	0
0.963024	0.967643	0	0	0	0	0	0
0.965159	0.946455	0	0	0	0	0	0
0.794035	0.58134	0	0	0	0	0	0
0.905239	0.815764	0	0	0	0	0	0
0.926342	0.871187	0	0	0	0	0	0
0.921982	0.828785	0	0	0	0	0	0
0.975103	0.978032	0	0	0	0	0	0
0.98944	0.986726	0	0	0	0	0	0
0.988876	0.992638	0	0	0	0	0	0
0.982258	0.963024	0	0	0	0	0	0
0.928031	0.95917	0	0	0	0	0	0
0.98599	0.980631	0	0	0	0	0	0
0.98398	0.982488	0	0	0	0	0	0
0.983943	0.985293	0	0	0	0	0	0
0.986061	0.986816	0	0	0	0	0	0
0.997351	0.991767	0	0	0	0	0	0
0.998119	0.996327	0	0	0	0	0	0
0.999534	0.999657	0	0	0	0	0	0
0.999922	0.999879	0	0	0	0	0	0
0.30759	0.302941	0	0	0	0	0	0
0.043092	0.076167	0	0	0	0	0	0
0.0599	0.10167	0	0	0	0	0	0
0.983731	0.999509	0	0	0	0	0	0
0.993244	0.992695	0	0	0	0	0	0
0.762635	0.58621	0.06	0	0	0	0	0
0.991	0.982408	0	0	0	0	0	0
0.006096	0.003593	0	0	0	0	0	0
0.996467	0.993657	0	0	0	0	0	0
0.995527	0.99192	0	0	0	0	0	0
0.995114	0.92148	0.02	0	0	0	0	0
0.993346	0.917239	0.03	0	0	0	0	0

0.918773	0.737297	0.04	0	0	0	0	0
0.995273	0.992627	0	0	0	0	0	0
0.995528	0.997353	0	0	0	0	0	0
0.994132	0.981633	0	0	0	0	0	0
0.020826	0.006347	0	0	0	0	0	0
0.01219	0.003284	0	0	0	0	0	0
0.9695	0.986546	0	0	0	0	0	0
0.996263	0.997967	0	0	0	0	0	0
0.962593	0.988573	0	0	0	0	0	0
0.906892	0.877873	0	0	0	0	0	0
0.992515	0.981518	0	0	0	0	0	0
0.029496	0.013111	0	0	0	0	0	0
0.046797	0.049892	0	0	0	0	0	0
0.042392	0.049178	0	0	0	0	0	0
0.941531	0.955399	0	0	0	0	0	0
0.120644	0.104373	0	0	0	0	0	0
0.946307	0.974517	0	0	0	0	0	0
0.965097	0.69568	0.13	0	0	0	0	0
0.953102	0.972631	0	0	0	0	0	0
0.915957	0.947515	0	0	0	0	0	0
0.944372	0.973661	0	0	0	0	0	0
0.034058	0.020116	0	0	0	0	0	0
0.869219	0.812224	0	0	0	0	0	0
0.388813	0.486726	0	0	0	0	0	0
0.419814	0.518678	0	0	0	0	0	0
0.449124	0.494611	0	0	0	0	0	0
0.918805	0.772954	0.04	0	0	0	0	0
0.956687	0.946984	0	0	0	0	0	0
0.013502	0.020397	0	0	0	0	0	0
0.994341	0.998233	0	0	0	0	0	0
0.994444	0.984921	0	0	0	0	0	0
0.973066	0.986461	0	0	0	0	0	0
0.016731	0.008129	0	0	0	0	0	0
0.881166	0.910408	0	0	0	0	0	0
0.967425	0.988005	0	0	0	0	0	0
0.940897	0.192524	0.55	0	0	0	0	0
0.995453	0.977349	0	0	0	0	0	0
0.993606	0.992555	0	0	0	0	0	0
0.992488	0.991999	0	0	0	0	0	0
0.998394	0.998286	0	0	0	0	0	0
0.004506	0.002987	0	0	0	0	0	0
0.997346	0.99874	0	0	0	0	0	0
0.997537	0.998827	0	0	0	0	0	0
0.006868	0.019147	0	0	0	0	0	0
0.995974	0.997678	0	0	0	0	0	0
0.996264	0.993826	0	0	0	0	0	0
0.996307	0.995309	0	0	0	0	0	0

0.998522	0.995809	0	0	0	0	0	0
0.990655	0.93301	0	0	0	0	0	0
0.988472	0.971427	0	0	0	0	0	0
0.991392	0.99712	0	0	0	0	0	0
0.017594	0.020015	0	0	0	0	0	0
0.951669	0.923676	0	0	0	0	0	0
0.992495	0.978195	0	0	0	0	0	0
0.964745	0.926613	0	0	0	0	0	0
0.987279	0.985499	0	0	0	0	0	0
0.994434	0.976241	0	0	0	0	0	0
0.995266	0.991921	0	0	0	0	0	0
0.98498	0.991088	0	0	0	0	0	0
0.998794	0.841981	0.09	0	0	0	0	0
0.987524	0.975746	0	0	0	0	0	0
0.01908	0.018092	0	0	0	0	0	0
0.827732	0.944535	0	0	0	0	0	0
0.804218	0.942589	0	0	0	0	0	0
0.987547	0.98318	0	0	0	0	0	0
0.951746	0.949589	0	0	0	0	0	0
0.932593	0.905378	0	0	0	0	0	0
0.975421	0.952088	0	0	0	0	0	0
0.987508	0.989136	0	0	0	0	0	0
0.985103	0.985888	0	0	0	0	0	0
0.984324	0.98695	0	0	0	0	0	0
0.968568	0.985212	0	0	0	0	0	0
0.99353	0.961806	0	0	0	0	0	0
0.997281	0.984279	0	0	0	0	0	0
0.990552	0.973274	0	0	0	0	0	0
0.984146	0.961137	0	0	0	0	0	0
0.988354	0.965217	0	0	0	0	0	0
0.995321	0.989687	0	0	0	0	0	0
0.980798	0.979714	0	0	0	0	0	0
0.004983	0.006816	0	0	0	0	0	0
0.997654	0.997398	0	0	0	0	0	0
0.088911	0.153843	0	0	0	0	0	0
0.986356	0.96092	0	0	0	0	0	0
0.983793	0.982837	0	0	0	0	0	0
0.97956	0.984492	0	0	0	0	0	0
0.9858	0.989739	0	0	0	0	0	0
0.02013	0.105818	0	0	0	0	0	0
0.961364	0.975903	0	0	0	0	0	0
0.9614	0.945405	0	0	0	0	0	0
0.184676	0.136592	0	0	0	0	0	0
0.998448	0.965437	0	0	0	0	0	0
0.993002	0.887941	0.04	0	0	0	0	0
0.997535	0.996501	0	0	0	0	0	0
0.0058	0.023027	0	0	0	0	0	0

0.997109	0.998277	0	0	0	0	0	0
0.99783	0.892437	0.07	0	0	0	0	0
0.998586	0.92454	0.03	0	0	0	0	0
0.989049	0.706601	0.1	0	0	0	0	0
0.011424	0.05896	0	0	0	0	0	0
0.066854	0.195683	0	0	0	0	0	0
0.016914	0.106226	0	0	0	0	0	0
0.950046	0.938012	0	0	0	0	0	0
0.148237	0.176659	0	0	0	0	0	0
0.988893	0.731331	0.16	0	0	0	0	0
0.984074	0.990174	0	0	0	0	0	0
0.985537	0.984445	0	0	0	0	0	0
0.984089	0.996986	0	0	0	0	0	0
0.99257	0.994293	0	0	0	0	0	0
0.993944	0.997287	0	0	0	0	0	0
0.984542	0.989704	0	0	0	0	0	0
0.990956	0.996756	0	0	0	0	0	0
0.009369	0.015469	0	0	0	0	0	0
0.995053	0.991261	0	0	0	0	0	0
0.986268	0.980331	0	0	0	0	0	0
0.988383	0.970117	0	0	0	0	0	0
0.996075	0.971102	0	0	0	0	0	0
0.351592	0.142271	0.03	0	0	0	0	0
0.992752	0.981299	0	0	0	0	0	0
0.981039	0.873114	0.04	0	0	0	0	0
0.980257	0.930661	0	0	0	0	0	0
0.993931	0.958994	0	0	0	0	1	1
0.916464	0.91061	0	0	0	0	0	0
0.955671	0.98011	0	0	0	0	0	0
0.964057	0.976586	0	0	0	0	0	0
0.971611	0.966942	0	0	0	0	0	0
0.988298	0.898173	0	0	0	0	0	0
0.969704	0.96211	0	0	0	0	0	0
0.76413	0.769834	0	0	0	0	0	0
0.984136	0.88908	0	0	0	0	0	0
0.929258	0.966187	0	0	0	0	0	0
0.958065	0.982239	0	0	0	0	0	0
0.078329	0.051255	0	0	0	0	0	0
0.048814	0.033787	0	0	0	0	0	0
0.046089	0.025272	0	0	0	0	0	0
0.03169	0.018572	0	0	0	0	0	0
0.989463	0.972281	0	0	0	0	0	0
0.049907	0.051218	0	0	0	0	0	0
0.010042	0.01137	0	0	0	0	0	0
0.993797	0.998716	0	0	0	0	0	0
0.997745	0.994475	0	0	0	0	0	0
0.996347	0.996135	0	0	0	4	7	10

0.995717	0.962988	0	0	0	0	0	0
0.993731	0.998662	0	0	0	0	0	0
0.996452	0.998348	0	0	0	0	0	0
0.98148	0.966924	0	0	0	0	0	0
0.959931	0.887035	0	0	0	0	0	0
0.961398	0.917883	0	0	0	0	0	0
0.84547	0.927736	0	0	0	0	0	0
0.983171	0.984542	0	0	0	0	0	0
0.079157	0.041404	0	0	0	0	0	0
0.069529	0.008958	0.01	0	3	0	0	0
0.999307	0.997604	0	0	0	0	0	0
0.999656	0.99863	0	0	0	0	0	0
0.015614	0.026826	0	0	0	0	0	0
0.999099	0.996492	0	0	0	0	0	0
0.999684	0.999698	0	0	0	0	0	0
0.993737	0.99189	0	0	0	0	0	0
0.999534	0.831935	0.07	0	0	0	8	8
0.961596	0.966919	0	0	0	0	0	0
0.977345	0.976841	0	0	0	0	0	0
0.977806	0.976665	0	0	0	0	0	0
0.969431	0.976189	0	0	0	0	0	0
0.966926	0.977652	0	0	0	0	0	0
0.957128	0.989284	0	0	0	0	0	0
0.96561	0.94904	0	0	0	0	0	0
0.038196	0.00918	0	0	0	0	0	0
0.985563	0.993717	0	0	0	0	0	0
0.986461	0.99562	0	0	0	0	0	0
0.964925	0.959402	0	0	0	0	0	0
0.991259	0.970028	0	0	0	0	0	0
0.023217	0.051998	0	0	0	0	0	0
0.993277	0.979246	0	0	0	0	0	0
0.990263	0.983069	0	0	0	0	0	0
0.993725	0.977354	0	0	0	0	0	0
0.985963	0.979104	0	0	0	0	0	0
0.982673	0.718152	0.02	0	0	0	0	0
0.994395	0.988923	0	0	0	0	0	0
0.994891	0.993779	0	0	0	0	0	0
0.995393	0.988681	0	0	0	0	0	0
0.00895	0.008172	0	0	0	0	0	0
0.995211	0.997171	0	0	0	0	0	0
0.970026	0.98488	0	0	0	0	0	0
0.983242	0.950467	0	0	0	0	0	0
0.988515	0.957783	0	0	0	0	0	0
0.971867	0.966371	0	0	0	0	0	0
0.991695	0.972621	0	0	0	0	0	0
0.987163	0.965401	0	0	0	0	0	0
0.988751	0.949595	0	0	0	0	0	0

0.990964	0.984867	0	0	0	0	0	0
0.98747	0.987417	0	0	0	0	0	0
0.989572	0.961155	0	0	0	0	0	0
0.985875	0.906396	0.01	0	0	0	0	0
0.958891	0.865979	0	0	0	0	0	0
0.951006	0.873267	0	0	0	0	0	0
0.482595	0.309777	0	0	0	0	0	0
0.98981	0.89906	0.01	0	0	0	0	0
0.987787	0.866569	0.01	0	0	0	0	0
0.987571	0.667754	0.13	0	0	0	0	0
0.985638	0.974731	0	0	0	0	0	0
0.029019	0.052355	0	0	0	0	0	0
0.989859	0.969913	0	0	0	0	0	0
0.986741	0.943407	0	0	0	0	0	0
0.990659	0.943141	0	0	0	0	0	0
0.980807	0.909166	0	0	0	0	0	0
0.978238	0.976177	0	0	0	0	0	0
0.984542	0.956474	0	0	0	0	0	0
0.973548	0.925198	0	0	0	0	0	0
0.976959	0.965845	0	0	0	0	0	0
0.983675	0.973847	0	0	0	0	0	0
0.980364	0.967562	0	0	0	0	0	0
0.987808	0.986469	0	0	0	0	0	0
0.992769	0.987468	0	0	0	0	0	0
0.165463	0.317089	0	0	0	0	0	0
0.02768	0.017218	0	0	0	0	0	0
0.990286	0.984318	0	0	0	0	0	0
0.985598	0.977469	0	0	0	0	0	0
0.993103	0.993583	0	0	0	0	0	0
0.979958	0.979037	0	0	0	0	0	0
0.988978	0.995572	0	0	0	0	0	0
0.994981	0.99711	0	0	0	0	0	0
0.990364	0.994778	0	0	0	0	0	0
0.993986	0.991909	0	0	0	0	0	0
0.024234	0.064109	0	0	0	0	0	0
0.990136	0.984897	0	0	0	0	0	0
0.991898	0.925824	0.02	0	0	0	0	0
0.994269	0.982929	0	0	0	0	0	0
0.992902	0.957689	0	0	0	0	0	0
0.050956	0.015945	0	0	0	0	0	0
0.99447	0.967306	0	0	0	0	0	0
0.523905	0.45517	0	0	0	0	0	0
0.956992	0.984783	0	0	0	0	0	0
0.990148	0.977899	0	0	0	0	0	0
0.99221	0.990676	0	0	0	0	0	0
0.995646	0.989109	0	0	0	0	0	0
0.997614	0.995466	0	0	0	0	0	0

0.99043	0.989534	0	0	0	0	0	0
0.997512	0.994318	0	0	0	0	0	0
0.997236	0.990529	0	0	0	0	0	0
0.99664	0.984164	0	0	0	0	0	0
0.956438	0.683024	0.18	0	0	0	0	0
0.787628	0.951389	0.09	0	0	0	0	0
0.992771	0.983397	0	0	0	0	0	0
0.990988	0.977257	0	0	0	0	0	0
0.991682	0.986063	0	0	0	0	0	0
0.989426	0.988038	0	0	0	0	0	0
0.98571	0.982142	0	0	0	0	0	0
0.936234	0.952104	0	0	0	0	0	0
0.974379	0.977827	0	0	0	0	0	0
0.940865	0.972838	0	0	0	0	0	0
0.014849	0.071748	0	11	0	16	15	15
0.984739	0.975402	0	2	2	0	0	0
0.04661	0.069169	0	0	0	0	0	0
0.981997	0.941274	0	0	0	0	0	5
0.951831	0.776734	0.06	0	0	0	0	8
0.949462	0.731302	0.07	0	0	0	4	29
0.990357	0.991088	0	0	0	0	0	0
0.944884	0.878097	0	0	0	0	0	0
0.035191	0.036483	0	0	0	0	0	0
0.037747	0.049203	0	0	0	0	0	0
0.980107	0.932596	0	0	0	0	0	0
0.942425	0.90908	0	0	0	0	0	0
0.482705	0.630542	0	0	0	0	0	0
0.510824	0.566052	0	0	0	0	0	0
0.873385	0.983497	0	0	0	0	0	0
0.933696	0.962275	0	0	0	0	0	0
0.912021	0.958252	0	0	0	0	0	0
0.975836	0.962042	0	0	0	0	0	0
0.980363	0.966693	0	0	0	0	0	0
0.982962	0.939474	0	0	0	0	0	0
0.968534	0.899768	0	0	0	0	0	0
0.043165	0.072223	0	0	0	0	0	0
0.978205	0.970204	0	0	0	0	0	0
0.984433	0.528904	0.3	0	0	0	0	0
0.967431	0.93479	0	0	0	0	0	0
0.963989	0.955208	0	0	0	0	0	0
0.986355	0.981778	0	0	0	0	0	0
0.986264	0.972909	0	0	0	0	0	0
0.457061	0.39477	0	0	0	0	0	0
0.917356	0.96111	0	0	0	0	0	0
0.924737	0.95216	0	0	0	0	0	0
0.961946	0.925296	0	0	0	0	0	0
0.959778	0.970904	0	0	0	0	0	0

0.996725	0.997809	0	0	0	0	0	0
0.011792	0.004175	0	0	0	0	0	0
0.994869	0.922695	0.02	0	0	0	0	0
0.981947	0.749074	0.1	0	0	0	0	0
0.990987	0.733337	0.12	0	0	0	0	0
0.982485	0.65492	0.17	0	0	0	0	0
0.980679	0.704813	0.14	0	0	0	0	0
0.979369	0.958598	0	0	0	0	0	0
0.963424	0.880412	0	0	0	0	0	0
0.983193	0.897833	0	0	0	0	0	0
0.979697	0.907036	0	0	0	0	0	0
0.343548	0.357034	0	0	0	0	0	0
0.74548	0.94995	0.01	0	0	0	0	0
0.985552	0.947174	0	0	0	0	0	0
0.985703	0.971188	0	0	0	0	0	0
0.988819	0.974354	0	0	0	0	0	0
0.986703	0.976062	0	0	0	0	0	0
0.991247	0.779336	0.11	0	0	0	0	0
0.992895	0.987201	0	0	0	0	0	0
0.989959	0.983943	0	0	0	0	0	0
0.992112	0.991848	0	0	0	0	0	0
0.981662	0.970979	0	0	0	0	0	0
0.992357	0.928543	0.01	0	0	0	0	0
0.989595	0.976513	0	0	0	0	0	0
0.856954	0.959641	0	0	0	0	0	0
0.995331	0.98738	0	0	0	0	0	0
0.97292	0.966661	0	0	0	0	0	0
0.983722	0.963053	0	0	0	0	0	0
0.979938	0.977818	0	0	0	0	0	0
0.968436	0.96735	0	0	0	0	0	0
0.964566	0.97311	0	0	0	0	0	0
0.980244	0.936743	0	0	0	0	0	0
0.98491	0.958197	0	0	0	0	0	0
0.928815	0.845686	0	0	0	0	0	0
0.983458	0.960312	0	0	0	0	0	0
0.978214	0.974366	0	0	0	0	0	0
0.980022	0.938244	0	0	0	0	0	0
0.984425	0.962926	0	0	0	0	0	0
0.984326	0.94453	0	0	0	0	0	0
0.987759	0.97862	0	0	0	0	0	0
0.991264	0.985467	0	0	0	0	0	0
0.992877	0.988688	0	0	0	0	0	0
0.989397	0.989958	0	0	0	0	0	0
0.993487	0.989698	0	0	0	0	0	0
0.993406	0.993504	0	0	0	0	0	0
0.994009	0.995839	0	0	0	0	0	0
0.979157	0.924304	0	0	0	0	0	0

0.987255	0.984189	0	0	0	0	0	0
0.672581	0.653916	0	0	0	0	0	0
0.737673	0.786484	0	0	0	0	0	0
0.994144	0.991581	0	0	0	0	0	0
0.994831	0.990624	0	0	0	0	0	0
0.933522	0.93396	0	0	0	0	0	0
0.057027	0.026988	0	0	0	0	0	0
0.942775	0.988015	0	0	0	0	0	0
0.029331	0.007099	0	0	0	0	0	0
0.007442	0.006337	0	0	0	0	0	0
0.996604	0.994584	0	0	0	0	0	0
0.996277	0.996272	0	0	0	0	0	0
0.996475	0.99183	0	0	0	0	0	0
0.987334	0.997657	0	0	0	0	0	0
0.994961	0.992826	0	0	0	0	0	0
0.971261	0.979856	0	0	0	0	0	0
0.018936	0.040615	0	0	0	0	0	0
0.994972	0.996013	0	0	0	0	0	0
0.023155	0.065599	0	0	0	0	0	0
0.994958	0.989006	0	0	0	0	0	0
0.995041	0.982597	0	0	0	0	0	0
0.95013	0.981943	0	0	0	0	0	0
0.973627	0.825945	0.07	0	0	0	0	0
0.956463	0.864688	0	0	0	0	0	0
0.992401	0.99254	0	0	0	0	0	0
0.982799	0.963461	0	0	0	0	0	0
0.960775	0.876892	0	0	0	0	0	1
0.075231	0.1987	0.01	1	0	0	0	0
0.995083	0.9477	0.01	1	0	0	0	0
0.310918	0.042798	0.1	0	0	0	0	0
0.956291	0.900236	0	0	0	0	0	0
0.960245	0.95291	0	0	0	0	0	0
0.965636	0.948754	0	0	0	0	0	0
0.86312	0.933503	0	0	0	0	0	0
0.966352	0.929879	0	0	0	0	0	0
0.903536	0.944852	0	0	0	0	0	0
0.962676	0.960439	0	0	0	0	0	0
0.998573	0.992778	0	0	0	0	0	0
0.999505	0.98743	0	0	0	0	0	0
0.003831	0.01273	0	0	0	0	0	0
0.995185	0.992499	0	0	0	0	0	0
0.98622	0.971863	0	0	0	0	0	0
0.013428	0.020336	0	0	0	0	0	0
0.989635	0.998174	0	0	0	0	0	0
0.99853	0.999162	0	0	0	0	0	0
0.976624	0.955772	0	0	0	0	0	0
0.992097	0.977547	0	0	0	0	0	0

0.989879	0.96695	0	0	0	0	0	0
0.967545	0.952863	0	0	0	0	0	0
0.776364	0.459791	0.04	0	0	0	0	0
0.989935	0.918015	0	0	0	0	0	0
0.945487	0.990642	0	0	0	0	0	0
0.021283	0.023192	0	0	0	0	0	0
0.758184	0.478743	0.14	0	0	0	0	0
0.964488	0.748848	0.16	0	0	0	3	0
0.995898	0.997081	0	0	0	0	0	0
0.99425	0.998935	0	0	0	0	0	0
0.991532	0.984135	0	0	0	0	0	0
0.909137	0.878492	0	0	0	0	0	0
0.999426	0.985372	0	0	0	0	0	0
0.993239	0.98008	0	0	0	0	0	0
0.987442	0.9857	0	0	0	0	0	0
0.99196	0.94404	0.01	0	0	0	0	0
0.985428	0.972884	0	0	0	0	0	0
0.979872	0.976302	0	0	0	0	0	0
0.991174	0.957131	0	0	0	0	0	0
0.992771	0.985756	0	0	0	0	0	0
0.981115	0.984086	0	0	0	0	0	0
0.992077	0.975447	0	0	0	0	0	0
0.99203	0.973307	0	0	0	0	0	0
0.000652	0.001141	0	0	0	0	0	0
0.999232	0.999719	0	0	0	0	0	0
0.003843	0.007471	0	0	0	0	0	0
0.998193	0.998774	0	0	0	0	0	0
0.99849	0.998152	0	0	0	0	0	0
0.992593	0.982029	0	0	0	0	0	0
0.907588	0.990742	0.05	0	0	0	0	0
0.994387	0.990838	0	0	0	0	0	0
0.003923	0.003627	0	0	0	0	0	0
0.05808	0.037397	0	0	0	0	0	0
0.045259	0.027243	0	0	0	0	0	0
0.996361	0.998099	0	0	0	0	0	0
0.966248	0.961516	0	0	0	0	0	0
0.975267	0.964266	0	0	0	0	0	0
0.918751	0.947947	0	0	0	0	0	0
0.96214	0.8508	0	0	0	0	0	0
0.999706	0.997933	0	0	0	0	0	0
0.009948	0.004555	0	0	0	0	0	0
0.990271	0.997489	0	0	0	0	0	0
0.997645	0.997934	0	0	0	0	0	0
0.988999	0.952445	0	0	0	0	0	0
0.990177	0.982637	0	0	0	0	0	0
0.99233	0.983393	0	0	0	0	0	0
0.989619	0.981574	0	0	0	0	0	0

0.987125	0.98072	0	0	0	0	0	0
0.991562	0.987252	0	0	0	0	0	0
0.991716	0.981744	0	0	0	0	0	0
0.988179	0.954907	0	0	0	0	0	0
0.988066	0.989131	0	0	0	0	0	0
0.985929	0.991904	0	0	0	0	0	0
0.988174	0.971415	0	0	0	0	0	0
0.991541	0.992294	0	0	0	0	0	0
0.979258	0.985157	0	0	0	0	0	0
0.915316	0.981416	0	0	0	0	0	0
0.995821	0.96214	0	0	0	0	0	0
0.013654	0.004058	0	0	0	0	0	0
0.995559	0.96317	0	0	0	0	0	0
0.997098	0.914082	0.01	0	0	0	0	0
0.998734	0.953457	0.02	0	0	0	0	0
0.996369	0.995785	0	0	0	0	0	0
0.997823	0.998067	0	0	0	0	0	0
0.032772	0.09457	0.02	0	0	0	0	0
0.99226	0.995572	0	0	0	0	0	0
0.993605	0.996805	0	0	0	0	0	0
0.014209	0.008674	0	0	0	0	0	0
0.989802	0.768502	0.09	0	0	0	0	0
0.973596	0.974225	0	0	0	0	0	0
0.980142	0.96289	0	0	0	0	0	0
0.976755	0.874207	0	0	0	0	0	0
0.986518	0.982861	0	0	0	0	0	0
0.992313	0.989251	0	0	0	0	0	0
0.019673	0.017378	0	0	0	0	0	0
0.090864	0.047915	0	0	0	0	0	0
0.988064	0.992411	0	0	0	0	0	0
0.018942	0.024249	0	0	0	0	0	0
0.062724	0.052061	0	0	0	0	0	0
0.979862	0.987069	0	0	0	0	0	0
0.993542	0.996094	0	0	0	0	0	0
0.975389	0.98145	0	0	0	0	0	0
0.948838	0.886733	0	0	0	0	0	0
0.908602	0.964475	0	0	0	0	0	0
0.992748	0.99557	0	0	0	0	0	0
0.04724	0.049086	0	0	0	0	0	0
0.98552	0.99407	0	0	0	0	0	0
0.057983	0.075611	0	0	0	0	0	0
0.988847	0.9055	0	0	0	0	0	0
0.727209	0.555493	0	0	0	0	0	0
0.853751	0.677094	0	0	0	0	0	0
0.880651	0.74307	0	0	0	0	0	0
0.953496	0.939593	0	0	0	0	0	0
0.999178	0.992896	0	0	0	1	0	0

0.021921	0.046752	0	0	0	0	0	0
0.998142	0.995305	0	0	0	0	0	0
0.998733	0.990371	0	0	0	0	0	0
0.992383	0.987177	0	0	0	0	0	0
0.968284	0.926214	0	0	0	0	0	0
0.965893	0.9518	0	0	0	0	0	0
0.978973	0.882921	0	0	0	0	0	0
0.038467	0.068333	0	0	0	0	0	0
0.981247	0.936015	0	0	0	0	0	0
0.984733	0.938651	0	0	0	0	0	0
0.965008	0.608236	0.11	0	0	0	0	0
0.982061	0.909199	0	0	0	0	0	0
0.983288	0.942408	0	0	0	0	0	0
0.988176	0.99111	0	0	0	0	0	0
0.989726	0.994238	0	0	0	0	0	0
0.161138	0.186377	0	0	0	0	0	0
0.037766	0.124601	0	0	0	0	0	0
0.049972	0.040393	0	0	0	0	0	0
0.057556	0.022293	0	0	0	0	0	0
0.985645	0.801525	0.07	0	0	0	0	0
0.963947	0.990039	0	0	0	0	0	0
0.985513	0.985714	0	0	0	0	0	0
0.998396	0.997734	0	0	0	0	0	0
0.986284	0.949483	0	0	0	0	0	0
0.980542	0.857804	0	0	0	0	0	0
0.988207	0.942414	0	0	0	0	0	0
0.988466	0.948636	0	0	2	0	0	0
0.989777	0.949146	0	0	0	0	0	0
0.982379	0.926697	0	0	0	0	0	0
0.989875	0.971854	0	0	0	3	0	0
0.923214	0.938827	0	0	0	0	0	0
0.997501	0.997986	0	0	0	0	0	0
0.992413	0.994292	0	0	0	0	0	0
0.369606	0.164021	0.09	0	0	0	0	0
0.998403	0.996452	0	0	0	0	0	0
0.999128	0.998549	0	0	0	0	0	0
0.998376	0.996181	0	0	0	0	0	0
0.998104	0.995778	0	0	0	0	0	0
0.022104	0.006552	0	0	0	0	0	0
0.982418	0.98951	0	0	0	0	0	0
0.969375	0.976628	0	0	0	0	0	0
0.975633	0.986791	0	0	0	0	0	0
0.971657	0.979396	0	0	0	0	0	0
0.976089	0.984149	0	0	0	0	0	0
0.987124	0.948963	0	0	0	0	0	0
0.917117	0.895527	0	0	0	0	0	0
0.219066	0.082513	0	0	0	0	0	0

0.990208	0.964753	0	0	0	0	0	0
0.989242	0.956677	0	0	0	0	0	0
0.990819	0.977285	0	0	0	0	0	0
0.14077	0.094222	0	0	0	0	0	0
0.986957	0.979467	0	0	0	0	0	0
0.989089	0.987074	0	0	0	0	0	0
0.99346	0.993338	0	0	0	0	0	0
0.972349	0.933714	0	0	0	0	0	0
0.978377	0.908905	0	0	0	0	0	0
0.939334	0.940898	0	0	0	0	0	0
0.985847	0.994816	0	0	0	0	0	0
0.796351	0.819644	0	0	0	0	0	0
0.977124	0.935899	0	0	0	0	0	0
0.985208	0.9532	0	0	0	0	0	0
0.657018	0.350067	0.1	0	0	0	0	0
0.987794	0.968999	0	0	0	0	0	0
0.95166	0.981726	0	0	0	0	0	0
0.976384	0.986378	0	0	0	0	0	0
0.972114	0.98579	0	0	0	0	0	0
0.98121	0.995669	0	0	0	0	0	0
0.998866	0.995277	0	0	0	0	0	0
0.991224	0.896188	0.06	0	0	0	0	0
0.989536	0.944579	0.02	0	0	0	0	0
0.984859	0.991389	0	0	0	0	0	0
0.951299	0.842384	0	0	0	0	0	0
0.991538	0.959275	0	0	0	0	0	0
0.99055	0.955733	0	0	0	0	0	0
0.919661	0.154083	0.47	0	0	0	0	0
0.859415	0.118735	0.51	0	0	0	0	0
0.104413	0.405173	0.31	0	0	0	0	0
0.008145	0.000427	0	0	6	4	25	0
0.916134	0.384555	0.36	0	6	27	16	16
0.756218	0.490245	0.19	0	0	0	0	0
0.280167	0.158767	0.09	0	0	0	0	0
0.043104	0.116156	0.04	0	4	4	0	0
0.516199	0.489983	0	0	0	0	0	0
0.601719	0.818846	0.15	0	0	0	0	0
0.980655	0.991832	0	0	0	0	0	0
0.99342	0.99633	0	0	3	3	19	9
0.914344	0.778689	0.07	1	23	0	0	0
0.93652	0.933165	0	0	0	0	0	0
0.889372	0.970064	0.05	0	0	0	0	0
0.983341	0.996022	0	0	0	0	0	0
0.991937	0.998258	0	0	0	0	0	0
0.073578	0.092747	0	0	0	0	0	0
0.992572	0.957476	0	0	0	0	0	0
0.99523	0.958275	0.01	0	0	0	0	0

0.803679	0.515896	0.13	0	0	0	0	0
0.998775	0.997843	0	0	0	0	0	0
0.997188	0.994897	0	4	15	0	0	0
0.525235	0.543687	0	0	0	0	0	0
0.093015	0.147698	0	4	15	6	6	6
0.998745	0.998768	0	0	0	0	0	0
0.998225	0.998534	0	0	0	0	0	0
0.524875	0.513767	0	0	0	0	0	0
0.950259	0.851139	0.04	0	0	0	0	0
0.992178	0.980925	0	0	0	0	0	0
0.968533	0.973016	0	0	0	0	0	0
0.746116	0.699002	0	0	0	0	0	0
0.378378	0.447096	0	0	0	0	0	0
0.025602	0.020677	0	0	0	0	0	0
0.004769	0.012798	0	0	0	0	0	0
0.004657	0.007754	0	0	0	0	0	0
0.999516	0.999664	0	0	0	0	3	12
0.977016	0.841996	0.06	0	0	4	13	3
0.06409	0.00863	0	0	0	0	5	5
0.005145	0.002956	0	0	0	0	0	0
0.998338	0.997704	0	0	0	0	0	0
0.99786	0.998909	0	0	0	0	0	0
0.986784	0.996411	0	0	0	0	0	0
0.998815	0.989379	0	0	0	0	0	0
0.931846	0.843159	0.01	0	0	0	0	0
0.01151	0.022665	0	0	0	0	0	0
0.996095	0.91071	0.04	0	0	0	0	0
0.363442	0.341367	0	0	0	5	18	18
0.953024	0.862174	0.06	0	0	0	0	0
0.009447	0.017229	0	0	0	0	0	0
0.161928	0.274557	0	0	0	0	0	0
0.98392	0.976485	0	0	0	0	0	0
0.996397	0.992857	0	0	0	0	0	0
0.99696	0.992335	0	0	0	0	0	0
0.103388	0.50385	0.21	0	0	0	0	0
0.994283	0.967433	0	0	0	0	0	0
0.998334	0.997296	0	0	0	0	0	0
0.998989	0.998875	0	0	0	0	0	0
0.969304	0.968275	0	0	0	0	0	0
0.985675	0.979372	0	0	0	0	0	0
0.834806	0.85504	0	0	0	0	0	0
0.979776	0.979924	0	0	2	2	0	0
0.977143	0.987045	0	0	2	0	0	0
0.038843	0.064231	0	0	0	0	0	0
0.98172	0.986318	0	0	0	0	0	0
0.056043	0.026109	0	0	0	0	0	0
0.982716	0.939372	0	0	0	0	0	0

0.991049	0.968206	0	0	0	0	0	0
0.989264	0.979801	0	0	0	0	0	0
0.027839	0.072481	0	0	0	0	0	0
0.984637	0.959978	0	0	0	0	0	0
0.987863	0.986133	0	0	0	0	0	0
0.973801	0.970867	0	0	0	0	0	0
0.982739	0.983326	0	0	0	0	0	0
0.861396	0.953322	0	0	0	0	0	0
0.036553	0.047973	0	0	0	0	0	0
0.985614	0.982521	0	0	0	0	0	0
0.977126	0.949563	0	0	0	0	0	0
0.976504	0.928611	0	0	0	0	0	0
0.970677	0.992825	0	0	0	0	0	0
0.970435	0.991649	0	0	0	0	0	0
0.026672	0.029417	0	0	0	0	0	0
0.987928	0.993365	0	0	0	0	0	0
0.155253	0.201212	0	0	0	0	0	0
0.980562	0.967608	0	0	0	0	0	0
0.001533	0.002842	0	0	0	0	0	0
0.425698	0.191185	0.14	0	0	0	0	0
0.994274	0.99421	0	0	0	0	0	0
0.997393	0.997552	0	1	0	0	0	0
0.002837	0.016576	0	0	0	0	0	0
0.005093	0.011712	0	0	0	0	0	0
0.278961	0.193825	0	0	0	0	0	0
0.973207	0.995945	0	0	0	0	0	0
0.977455	0.955316	0	0	0	0	0	0
0.974676	0.920305	0	0	0	0	0	0
0.962644	0.939432	0	0	0	0	0	0
0.002825	0.001372	0	0	0	0	0	0
0.01103	0.007536	0	0	0	0	0	0
0.002965	0.001816	0	0	0	0	0	0
0.997704	0.998253	0	0	0	0	0	0
0.93589	0.95977	0	0	0	0	0	0
0.98015	0.97292	0	0	0	0	0	0
0.981736	0.908656	0	0	0	0	0	0
0.046409	0.047518	0	0	0	0	0	0
0.025086	0.044839	0	0	0	0	0	0
0.785813	0.949451	0	0	0	0	0	0
0.949852	0.83177	0	0	0	0	0	0
0.982132	0.965646	0	0	0	0	0	0
0.873695	0.824537	0	0	0	0	0	0
0.058723	0.05175	0	0	0	0	0	0
0.981407	0.97251	0	0	0	0	0	0
0.98115	0.981246	0	0	0	0	0	0
0.838974	0.692824	0	0	0	0	0	0
0.983433	0.95055	0	0	0	0	0	0

0.955195	0.913141	0	0	0	0	0	0
0.980109	0.962943	0	0	0	0	0	0
0.961657	0.933775	0	0	0	0	0	0
0.961189	0.86961	0	0	0	0	0	0
0.993672	0.968746	0	0	0	0	0	0
0.993893	0.986088	0	0	0	0	0	0
0.986456	0.942877	0	0	0	0	0	0
0.02336	0.015651	0	0	0	0	0	0
0.01418	0.009148	0	0	0	0	0	0
0.879442	0.740386	0.04	0	0	0	0	0
0.978178	0.99324	0	0	0	0	0	0
0.987006	0.833022	0.03	0	0	0	0	0
0.982716	0.865534	0	0	0	0	0	0
0.990263	0.992489	0	0	0	0	0	0
0.988266	0.991214	0	0	0	0	0	0
0.975328	0.965962	0	0	0	0	0	0
0.918958	0.955713	0	0	0	0	0	0
0.005244	0.012872	0	0	0	0	0	0
0.974585	0.985302	0	0	0	0	0	0
0.988553	0.984818	0	0	0	0	0	0
0.999707	0.999732	0	0	0	0	0	0
0.994326	0.982302	0	0	0	0	0	0
0.993185	0.994789	0	0	0	0	0	0
0.994135	0.990803	0	0	0	0	0	0
0.986287	0.99298	0	0	0	0	0	0
0.998345	0.997471	0	0	0	0	0	0
0.995482	0.986863	0	0	0	0	0	0
0.97505	0.988515	0	0	0	0	0	0
0.959327	0.975142	0	0	0	0	0	0
0.676239	0.991936	0.09	0	0	0	0	0
0.980861	0.989332	0	0	0	0	0	0
0.013879	0.021235	0	0	0	0	0	0
0.989756	0.918349	0	0	0	0	0	0
0.990742	0.98341	0	0	0	0	0	0
0.029952	0.023716	0	0	0	0	0	0
0.322109	0.31686	0	0	0	0	0	0
0.985331	0.981368	0	0	0	0	0	0
0.032089	0.023463	0	0	0	0	0	0
0.998849	0.995984	0	0	0	0	0	0
0.999259	0.999181	0	0	0	0	0	0
0.025435	0.056705	0	0	0	0	0	0
0.00281	0.079429	0.08	0	0	0	0	0
0.04731	0.095329	0.01	0	0	0	0	0
0.983096	0.931688	0.02	0	0	0	0	0
0.986835	0.910145	0.04	0	0	0	0	0
0.992767	0.939036	0.02	0	0	0	0	0
0.992818	0.940978	0.02	0	0	0	0	0

0.993157	0.947427	0.02	0	0	0	0	0
0.997219	0.987574	0	0	0	0	0	0
0.082046	0.120342	0	0	0	0	0	0
0.7446	0.827719	0	0	0	0	0	0
0.973961	0.919745	0	0	0	0	0	0
0.954231	0.77001	0.08	0	0	0	0	0
0.94279	0.806348	0.05	0	0	0	0	0
0.96318	0.887237	0.02	0	0	0	0	0
0.96692	0.894045	0.03	0	0	0	0	0
0.02046	0.059569	0	0	0	0	0	0
0.991957	0.989981	0	0	0	0	0	0
0.989558	0.989353	0	0	0	0	0	0
0.994077	0.987294	0	0	0	0	0	0
0.263327	0.344533	0	0	0	0	0	0
0.989318	0.99116	0	0	0	0	0	0
0.94497	0.544293	0.01	0	0	0	0	0
0.947021	0.690239	0.06	0	0	0	0	0
0.999553	0.999142	0	0	0	0	0	0
0.999582	0.99813	0	0	0	0	0	0
0.999733	0.999773	0	0	0	0	0	0
0.999191	0.999141	0	0	0	0	17	17
0.962187	0.9433	0	0	0	0	0	0
0.996217	0.993011	0	0	0	0	0	0
0.992295	0.990071	0	0	0	0	0	0
0.961113	0.814288	0.04	0	0	0	0	0
0.050611	0.142904	0	0	0	0	0	0
0.006668	0.008832	0	0	0	0	0	0
0.995984	0.997538	0	0	0	0	0	0
0.995618	0.88926	0.05	0	0	0	0	0
0.859402	0.947674	0	0	0	0	0	0
0.996952	0.99363	0	0	5	0	0	0
0.999378	0.99946	0	0	0	0	0	0
0.003522	0.002726	0	0	0	0	0	0
0.997051	0.998765	0	0	0	0	0	0
0.999109	0.999019	0	0	0	0	0	0
0.998638	0.999521	0	0	0	0	0	0
0.991681	0.994066	0	0	0	0	0	0
0.999659	0.999613	0	0	0	0	0	0
0.999587	0.998866	0	0	0	0	0	0
0.999465	0.998915	0	0	0	0	0	0
0.980176	0.982781	0	0	0	0	0	0
0.986127	0.992044	0	0	0	0	0	0
0.978801	0.993426	0	0	0	0	0	0
0.954304	0.985148	0	0	0	0	0	0
0.108799	0.222752	0	0	0	0	0	0
0.966727	0.980813	0	0	0	0	0	0
0.972205	0.986203	0	0	0	0	0	0

0.044047	0.021429	0	0	0	0	0	0
0.997632	0.998786	0	0	0	0	0	0
0.006147	0.007144	0	0	0	0	0	0
0.995075	0.993653	0	0	0	0	0	0
0.995256	0.944333	0	0	0	0	0	0
0.995186	0.962008	0	0	0	0	0	0
0.996445	0.965776	0	0	0	0	0	0
0.343131	0.422588	0	9	15	1	6	6
0.997452	0.982542	0	9	15	0	0	0
0.994752	0.981761	0	0	0	0	0	0
0.996594	0.97048	0	0	0	0	0	0
0.996121	0.986575	0	0	0	0	11	0
0.956536	0.89803	0	0	0	0	0	0
0.997319	0.987768	0	14	20	4	7	0
0.99864	0.978482	0	0	5	5	0	0
0.998386	0.991944	0	0	10	7	9	0
0.996683	0.97198	0	0	0	0	0	0
0.999074	0.997474	0	0	0	0	0	0
0.998837	0.994774	0	0	0	0	0	0
0.503194	0.544189	0	0	0	0	0	0
0.125446	0.139264	0	3	0	0	0	0
0.998044	0.993719	0	0	5	5	0	0
0.998179	0.988465	0	0	0	0	10	2
0.997799	0.983786	0	0	14	6	7	7
0.996296	0.970373	0	0	14	7	10	0
0.990939	0.964132	0	0	3	3	17	0
0.997899	0.991158	0	0	0	5	2	0
0.998451	0.993813	0	0	0	0	21	24
0.998213	0.993649	0	4	0	4	6	0
0.010559	0.185661	0.01	0	0	0	0	0
0.939692	0.975887	0	0	0	0	0	0
0.993872	0.977285	0	0	0	0	0	0
0.994591	0.99637	0	0	0	0	0	0
0.018031	0.043577	0	0	0	0	0	0
0.999112	0.99834	0	0	0	0	0	0
0.998936	0.99564	0	0	0	0	0	0
0.986948	0.611307	0.28	0	0	0	0	0
0.920765	0.69543	0.12	0	0	0	0	0
0.963149	0.954336	0	0	0	0	0	0
0.970986	0.966429	0	0	0	0	0	0
0.968631	0.975032	0	0	0	0	0	0
0.968535	0.953654	0	0	0	0	0	0
0.978492	0.97457	0	0	0	0	0	0
0.980114	0.978251	0	0	0	0	0	0
0.978439	0.978174	0	0	0	0	0	0
0.982205	0.977525	0	0	0	0	0	0
0.985732	0.977888	0	0	0	0	0	0

0.968863	0.990837	0	0	0	0	0	0
0.983741	0.984573	0	0	0	0	0	0
0.982275	0.977132	0	0	0	0	0	0
0.053855	0.024986	0	0	0	0	0	0
0.983728	0.993426	0	0	0	0	0	0
0.987958	0.996867	0	0	0	0	0	0
0.88016	0.930204	0	0	0	0	0	0
0.930385	0.785799	0	0	0	0	0	0
0.965025	0.947852	0	0	0	0	0	0
0.970559	0.965551	0	0	0	0	0	0
0.972223	0.982481	0	0	0	0	0	0
0.983585	0.97044	0	0	0	0	0	0
0.982831	0.941407	0	0	0	0	0	0
0.956954	0.971165	0	0	0	0	0	0
0.997532	0.995618	0	0	0	3	7	0
0.988107	0.984708	0	0	0	0	0	0
0.998609	0.999051	0	0	0	0	0	0
0.979226	0.965379	0	0	0	0	0	0
0.988636	0.973607	0	0	0	0	0	0
0.969414	0.927311	0	0	0	0	0	0
0.994034	0.985331	0	0	0	4	0	0
0.012207	0.021044	0	0	0	0	0	0
0.995003	0.990648	0	0	0	0	0	0
0.994158	0.989758	0	0	0	0	0	0
0.030566	0.352566	0.03	0	0	5	0	0
0.995855	0.98511	0	0	0	0	0	0
0.985638	0.941739	0	0	0	0	0	0
0.992962	0.983176	0	0	0	0	0	0
0.997165	0.99031	0	0	0	0	0	0
0.997567	0.786425	0.13	0	6	7	3	0
0.997268	0.989578	0	0	0	0	0	0
0.997826	0.995001	0	0	0	0	0	0
0.996793	0.992849	0	0	0	0	0	0
0.055727	0.257558	0.07	0	0	0	0	0
0.646201	0.295258	0.13	0	0	0	0	0
0.884668	0.919948	0	0	0	0	0	0
0.118231	0.369541	0.07	0	0	0	0	0
0.193515	0.369258	0	0	0	0	0	0
0.336388	0.500013	0	0	0	0	0	0
0.929235	0.945706	0	0	0	0	0	0
0.934745	0.970329	0	0	0	7	0	0
0.935004	0.965607	0	0	0	0	0	0
0.995536	0.98354	0	0	0	0	0	0
0.896286	0.810667	0	0	0	0	0	0
0.973853	0.984413	0	0	0	0	0	0
0.970437	0.98815	0	0	0	0	0	0
0.994921	0.993718	0	0	0	0	0	0

0.995342	0.994799	0	0	0	0	0	0
0.102513	0.0415	0	0	0	0	0	0
0.993958	0.994207	0	0	0	0	0	0
0.983176	0.83738	0.07	0	0	0	0	0
0.9833	0.995878	0	0	0	0	0	0
0.024594	0.100464	0	0	0	0	0	0
0.995999	0.986497	0	0	0	0	0	0
0.996384	0.992877	0	0	0	0	0	0
0.995992	0.993361	0	0	0	0	0	0
0.998603	0.992955	0	0	0	0	0	0
0.999121	0.999143	0	0	0	0	0	0
0.997626	0.996569	0	0	0	0	0	0
0.99359	0.9937	0	0	0	0	0	0
0.927077	0.986665	0	0	0	0	0	0
0.994449	0.912365	0.03	0	0	0	0	0
0.973477	0.906368	0	0	0	0	0	0
0.978845	0.945808	0	0	0	0	0	0
0.022033	0.053636	0	0	0	0	0	0
0.972549	0.952081	0	0	0	0	0	0
0.985428	0.971047	0	0	0	0	0	0
0.778031	0.96305	0	0	0	0	0	0
0.982725	0.969145	0	0	0	0	0	0
0.967293	0.955595	0	0	0	0	0	0
0.988597	0.991541	0	0	0	0	0	0
0.990539	0.992532	0	0	0	0	0	0
0.037938	0.046795	0	0	0	0	0	0
0.996415	0.98798	0	0	0	0	0	0
0.980089	0.950344	0	0	0	0	0	0
0.95975	0.948649	0	0	0	0	0	0
0.057963	0.101438	0	0	0	0	0	0
0.935913	0.957353	0	0	0	0	0	0
0.990297	0.9842	0	0	0	0	0	0
0.989239	0.983531	0	0	0	0	0	0
0.070121	0.052985	0	0	0	0	0	0
0.039932	0.064856	0	0	0	0	0	0
0.048912	0.108652	0	0	0	0	0	0
0.963195	0.93779	0	0	0	0	0	0
0.943701	0.967169	0	0	0	0	0	0
0.993296	0.994385	0	0	0	0	0	0
0.972686	0.989349	0	0	0	0	0	0
0.996962	0.982789	0	0	0	0	0	0
0.998346	0.997833	0	0	0	0	7	0
0.997701	0.996615	0	0	0	0	0	0
0.996448	0.994334	0	0	0	0	0	0
0.998505	0.997784	0	0	0	0	0	0
0.738505	0.933468	0.07	0	0	0	0	0
0.304059	0.077889	0.12	0	0	0	0	0

0.847283	0.785964	0	0	0	0	0	0
0.454139	0.563389	0	0	0	0	0	0
0.001488	0.000758	0	0	0	0	0	0
0.999448	0.999539	0	0	0	0	0	0
0.999668	0.999847	0	0	0	0	0	0
0.999668	0.99935	0	0	0	0	0	0
0.999963	0.999912	0	0	0	0	0	0
0.00156	0.000701	0	0	0	0	0	0
0.999616	0.999925	0	0	0	0	0	0
0.99882	0.996793	0	0	0	0	0	0
0.999554	0.994486	0	0	0	0	0	0
0.002455	0.002913	0	0	0	0	0	0
0.017663	0.012371	0	0	0	0	7	11
0.999882	0.999801	0	0	0	0	0	0
0.999696	0.996962	0	0	0	0	0	0
0.991862	0.981006	0	0	0	0	0	0
0.9844	0.978153	0	0	0	0	0	0
0.993024	0.967415	0	0	0	0	0	0
0.042893	0.11299	0	0	0	0	0	0
0.98309	0.95327	0	0	0	0	0	0
0.97803	0.905838	0	0	0	0	0	0
0.849545	0.709395	0	0	0	0	0	0
0.989078	0.96975	0	0	0	0	0	0
0.005491	0.003678	0	0	0	0	0	0
0.418244	0.130403	0	0	0	0	0	0
0.970447	0.969563	0	0	0	0	0	0
0.04642	0.041957	0	0	0	0	0	0
0.965693	0.979184	0	0	0	0	0	0
0.02901	0.094837	0	0	0	0	0	0
0.358224	0.491663	0	0	0	0	0	0
0.99315	0.886435	0	0	0	0	0	0
0.650797	0.675776	0	0	0	0	0	0
0.958829	0.960629	0	0	0	0	0	0
0.968856	0.940193	0	0	0	0	0	0
0.757216	0.577059	0.02	0	0	0	0	0
0.953966	0.890214	0.01	0	0	0	0	0
0.931275	0.963145	0	0	0	0	0	0
0.990014	0.997142	0	0	0	0	0	0
0.035211	0.007817	0	0	0	0	0	0
0.021008	0.003856	0	0	0	0	0	0
0.987934	0.990689	0	0	0	0	0	0
0.996613	0.997005	0	0	0	0	0	0
0.946255	0.988645	0	0	0	0	0	0
0.872732	0.8556	0	0	0	0	0	0
0.820684	0.38905	0	0	0	0	0	0
0.971589	0.752031	0.03	0	0	0	0	0
0.97132	0.943847	0	0	0	0	0	0

0.982384	0.95576	0	0	0	0	0	0
0.977537	0.920349	0	0	0	0	0	0
0.973168	0.952563	0	0	0	0	0	0
0.980994	0.932475	0	0	0	0	0	0
0.977355	0.962231	0	0	0	0	0	0
0.031016	0.018266	0	0	0	0	0	0
0.017134	0.063287	0	0	0	0	0	0
0.9757	0.951108	0	0	0	0	0	0
0.958843	0.973448	0	0	0	0	0	0
0.016854	0.044376	0	0	0	0	0	0
0.537289	0.814802	0	0	0	0	0	0
0.985221	0.98041	0	0	0	0	0	0
0.013913	0.030757	0	0	0	0	0	0
0.99944	0.999128	0	0	0	0	0	0
0.995346	0.987119	0	0	0	0	0	0
0.996501	0.98376	0	0	0	0	0	0
0.996241	0.999225	0	0	0	0	0	0
0.994974	0.985097	0	0	0	0	0	0
0.953757	0.944858	0	0	0	0	0	0
0.973923	0.940842	0	0	0	0	0	0
0.964891	0.946778	0	0	0	0	0	0
0.969209	0.933139	0	0	0	0	0	0
0.967356	0.941851	0	0	0	0	0	0
0.987252	0.984224	0	0	0	0	0	0
0.980476	0.968059	0	0	0	0	0	0
0.992	0.976991	0	0	0	0	0	0
0.990323	0.976736	0	0	0	0	0	0
0.991574	0.917795	0.02	0	0	0	0	0
0.976782	0.93585	0	0	0	0	0	0
0.983315	0.949114	0	0	0	0	0	0
0.986504	0.967102	0	0	0	0	0	0
0.946949	0.944432	0	0	0	0	0	0
0.95302	0.946887	0	0	0	0	0	0
0.984971	0.950757	0	0	0	0	0	0
0.992437	0.973674	0	0	0	0	0	0
0.992197	0.993717	0	0	0	0	0	0
0.993545	0.993122	0	0	0	0	0	0
0.984573	0.992057	0	0	0	0	0	0
0.995195	0.996286	0	0	0	0	0	0
0.979044	0.976097	0	0	0	0	0	0
0.995922	0.996201	0	0	0	0	0	0
0.994132	0.996865	0	0	0	0	0	0
0.894945	0.75959	0.05	0	0	0	5	0
0.998416	0.996784	0	0	0	0	0	0
0.046592	0.050243	0	0	0	0	0	0
0.984311	0.982347	0	0	0	0	0	0
0.990847	0.993645	0	0	0	0	0	0

0.98845	0.982067	0	0	0	0	0	0
0.99212	0.994317	0	0	0	0	0	0
0.991909	0.993742	0	0	0	0	0	0
0.993642	0.985388	0	0	0	0	0	0
0.024998	0.071379	0	0	0	0	0	0
0.994244	0.992865	0	0	0	0	0	0
0.989863	0.993427	0	0	0	0	0	0
0.018748	0.052325	0	0	0	0	0	0
0.013824	0.016923	0	0	0	0	0	0
0.959646	0.941118	0	0	0	0	0	0
0.99121	0.993913	0	0	0	0	0	0
0.982785	0.99409	0	0	0	0	0	0
0.986979	0.99413	0	0	0	0	0	0
0.991569	0.992747	0	0	0	0	0	0
0.985479	0.989676	0	0	0	0	0	0
0.987198	0.979149	0	0	0	0	0	0
0.990346	0.987177	0	0	0	0	0	0
0.987948	0.973568	0	0	0	0	0	0
0.986491	0.992609	0	0	0	0	0	0
0.806255	0.513289	0.09	0	0	0	0	0
0.970505	0.968681	0	0	0	0	0	0
0.054479	0.034677	0	0	0	0	0	0
0.051513	0.051453	0	0	0	0	0	0
0.974101	0.988228	0	0	0	0	0	0
0.960933	0.956759	0	0	0	0	0	0
0.95509	0.957452	0	0	0	0	0	0
0.962001	0.962104	0	0	0	0	0	0
0.876275	0.897023	0	0	0	0	0	0
0.957957	0.966258	0	0	0	0	0	0
0.965297	0.944716	0	0	0	0	0	0
0.951924	0.939435	0	0	0	0	0	0
0.052388	0.052701	0	0	0	0	0	0
0.044939	0.036422	0	0	0	0	0	0
0.896719	0.961572	0	0	0	0	0	0
0.966023	0.94131	0	0	0	0	0	0
0.957951	0.938573	0	0	0	0	0	0
0.088074	0.050838	0	0	0	0	0	0
0.971937	0.97474	0	0	0	0	0	0
0.974442	0.939857	0	0	0	0	0	0
0.873544	0.63145	0	0	0	0	0	0
0.957409	0.956318	0	0	0	0	0	0
0.964783	0.876069	0	0	0	0	0	0
0.968126	0.965793	0	0	0	0	0	0
0.990947	0.975009	0	0	0	0	0	0
0.99297	0.980477	0	0	0	0	0	0
0.989711	0.987905	0	0	0	0	0	0
0.99763	0.986193	0	0	0	0	0	0

0.991831	0.970939	0	0	0	0	0	0
0.982058	0.983471	0	0	0	0	0	0
0.994116	0.970871	0	0	0	0	0	0
0.986868	0.948668	0	0	0	0	0	0
0.993964	0.972577	0	0	0	0	0	0
0.976761	0.95275	0	0	0	0	0	0
0.932448	0.922947	0	0	0	0	0	0
0.039223	0.07354	0	0	0	0	0	0
0.976764	0.97045	0	0	0	0	0	0
0.064216	0.083212	0	0	0	0	0	0
0.974464	0.956753	0	0	0	0	0	0
0.983384	0.973012	0	0	0	0	0	0
0.978934	0.960163	0	0	0	0	0	0
0.827252	0.963195	0	0	0	0	0	0
0.971743	0.943795	0	0	0	0	0	0
0.985259	0.958303	0	0	0	0	0	0
0.981878	0.954472	0	0	0	0	0	0
0.976454	0.945345	0	0	0	0	0	0
0.976563	0.937411	0	0	0	0	0	0
0.975334	0.970077	0	0	0	0	0	0
0.996022	0.998041	0	0	0	0	0	0
0.158463	0.297586	0	0	0	0	0	0
0.149324	0.153689	0	0	0	0	0	0
0.96332	0.916782	0	0	0	0	0	0
0.143367	0.235898	0	0	0	0	0	0
0.954481	0.990476	0	0	0	0	0	0
0.96441	0.996003	0	0	0	0	0	0
0.954814	0.995213	0	0	0	0	0	0
0.961377	0.996751	0	0	0	0	0	0
0.971128	0.911327	0	0	0	0	0	0
0.985049	0.861906	0.04	0	0	0	0	0
0.998244	0.976704	0	0	0	0	0	0
0.997411	0.992948	0	0	0	0	0	0
0.997105	0.992683	0	0	0	0	0	0
0.99888	0.99765	0	0	0	0	0	0
0.996974	0.994335	0	0	0	0	0	0
0.006659	0.008329	0	0	0	0	0	0
0.782175	0.984653	0	0	0	0	0	0
0.920637	0.793779	0	0	0	0	0	0
0.875168	0.952517	0	0	0	0	0	0
0.926607	0.938545	0	0	0	0	0	0
0.858327	0.882629	0	0	0	0	0	0
0.991712	0.982771	0	0	0	0	0	0
0.995384	0.989832	0	0	0	0	0	0
0.857068	0.708816	0	0	0	0	0	0
0.9755	0.897787	0	0	0	0	0	0
0.993837	0.979787	0	0	0	0	0	0

0.985161	0.948686	0	0	0	0	0	0
0.987982	0.962575	0	0	0	0	0	0
0.491345	0.128151	0.07	0	0	0	0	0
0.966392	0.703908	0.02	0	0	0	0	0
0.990969	0.949503	0	0	0	0	0	0
0.020678	0.042269	0	0	0	0	0	0
0.979867	0.904556	0	0	0	0	0	0
0.124151	0.104198	0	0	0	0	0	0
0.992028	0.98783	0	0	0	0	4	4
0.986174	0.971061	0	0	0	0	0	0
0.973006	0.990152	0	0	0	0	0	0
0.980011	0.977529	0	0	0	0	0	0
0.976263	0.985802	0	0	0	0	0	0
0.982782	0.989156	0	0	0	0	0	0
0.994001	0.99216	0	0	0	0	0	0
0.992039	0.993829	0	0	0	0	0	0
0.991366	0.982671	0	0	0	0	0	0
0.98469	0.982918	0	0	0	0	0	0
0.941917	0.949132	0	0	0	0	0	0
0.937273	0.939898	0	0	0	0	0	0
0.941753	0.895695	0	0	0	0	0	0
0.992906	0.996838	0	0	0	0	0	0
0.953449	0.953134	0	0	0	0	0	0
0.909177	0.973685	0	0	0	0	0	0
0.944256	0.952674	0	0	0	0	0	0
0.998668	0.998857	0	0	0	0	0	0
0.993036	0.997204	0	0	0	0	0	0
0.006962	0.005135	0	0	0	0	0	0
0.996211	0.912195	0.04	0	0	0	0	0
0.815585	0.963657	0	0	0	0	0	0
0.734164	0.806169	0	0	0	0	0	0
0.033056	0.115979	0	0	0	0	0	0
0.82037	0.444609	0.13	4	0	0	0	0
0.767595	0.371723	0.14	0	0	0	0	0
0.99353	0.973226	0	4	0	0	0	0
0.234359	0.156308	0	0	0	0	0	0
0.960523	0.878669	0	0	0	0	0	0
0.95479	0.942614	0	0	0	0	0	0
0.977171	0.982804	0	0	0	0	0	0
0.963804	0.942405	0	0	0	0	0	0
0.964969	0.981328	0	0	0	0	0	0
0.779091	0.878257	0	0	0	0	0	0
0.979062	0.983861	0	0	0	0	0	0
0.873571	0.846694	0	0	0	0	0	0
0.944504	0.950012	0	0	0	0	0	0
0.986866	0.917703	0.01	0	0	0	0	0
0.96815	0.965784	0	0	0	0	0	0

0.860682	0.653662	0	0	0	0	0	0
0.952271	0.889705	0	0	0	0	0	0
0.891294	0.94651	0	0	0	0	0	0
0.907551	0.945446	0	0	0	0	0	0
0.949373	0.941288	0	0	0	0	0	0
0.97975	0.987526	0	0	0	0	0	0
0.955869	0.829841	0.01	0	0	0	0	0
0.975853	0.959573	0	0	0	0	0	0
0.961373	0.955171	0	0	0	0	0	0
0.948308	0.95408	0	0	0	0	0	0
0.963979	0.977329	0	0	0	0	0	0
0.181759	0.158427	0	0	0	0	0	0
0.673844	0.666551	0	0	0	0	0	0
0.985051	0.990082	0	0	0	0	0	0
0.073056	0.131563	0	0	0	0	0	0
0.644503	0.464713	0	0	0	0	0	0
0.896245	0.951981	0	0	0	0	0	0
0.960364	0.961513	0	0	0	0	0	0
0.884999	0.581186	0.02	0	0	0	0	0
0.904203	0.843915	0	0	0	0	0	0
0.939807	0.86259	0	0	0	0	0	0
0.981397	0.955789	0	0	0	0	0	0
0.981492	0.958973	0	0	0	0	0	0
0.987169	0.997116	0	0	0	0	0	0
0.98607	0.992117	0	0	0	0	0	0
0.107617	0.298391	0	0	0	0	0	0
0.964471	0.955121	0	0	0	0	0	0
0.959645	0.956834	0	0	0	0	0	0
0.004725	0.013999	0	0	0	0	0	0
0.006377	0.011482	0	0	0	0	0	0
0.998407	0.99574	0	0	0	0	0	0
0.008863	0.016985	0	0	0	0	0	0
0.995339	0.983867	0	0	0	0	0	0
0.990656	0.985922	0	0	0	0	0	0
0.99434	0.990209	0	0	0	0	0	0
0.00909	0.067241	0	0	0	0	0	0
0.99383	0.97791	0	0	0	0	0	0
0.991504	0.97686	0	0	0	0	0	0
0.994269	0.973577	0	0	0	0	0	0
0.995998	0.994536	0	0	0	0	0	0
0.99433	0.994933	0	0	0	0	0	0
0.322275	0.175992	0	0	0	0	0	0
0.949111	0.311612	0.5	0	0	0	0	0
0.394733	0.436193	0	0	0	0	0	0
0.984678	0.875428	0.01	0	0	0	0	0
0.984439	0.99354	0	0	0	0	0	0
0.971482	0.938865	0	0	0	0	0	0

0.92926	0.881054	0	0	0	0	0	0
0.018363	0.017168	0	0	0	0	0	0
0.945913	0.944596	0	0	0	0	0	0
0.994852	0.993639	0	0	0	0	0	0
0.983306	0.987108	0	0	0	0	0	0
0.994928	0.996972	0	0	0	0	0	0
0.998097	0.998538	0	0	0	0	0	0
0.992648	0.995016	0	0	0	0	0	0
0.975975	0.970247	0.01	0	0	0	0	0
0.99491	0.97371	0	0	0	0	0	0
0.992951	0.990012	0	0	0	0	0	0
0.993484	0.991717	0	0	0	0	0	0
0.020921	0.01873	0	0	0	0	0	0
0.994443	0.997205	0	0	0	0	0	0
0.994838	0.997015	0	0	0	0	0	0
0.996914	0.997862	0	0	0	0	0	0
0.989941	0.985254	0	0	0	0	0	0
0.986247	0.983139	0	0	0	0	0	0
0.995093	0.990911	0	0	0	0	0	0
0.988863	0.992094	0	0	0	0	0	0
0.99967	0.997193	0	0	0	0	0	0
0.037943	0.065189	0.01	0	0	4	0	0
0.008811	0.014858	0	0	0	0	0	0
0.991891	0.988597	0	0	0	0	0	0
0.976313	0.899707	0	0	0	0	1	1
0.006474	0.024695	0	0	0	0	0	0
0.99576	0.979128	0	0	0	0	0	0
0.993251	0.982683	0	0	0	0	0	0
0.977881	0.956574	0	0	0	0	0	0
0.992598	0.881053	0.02	0	0	0	0	0
0.020526	0.030651	0	0	0	0	0	0
0.992423	0.981598	0	0	0	0	0	0
0.015131	0.006613	0	0	0	0	0	0
0.99531	0.969058	0	0	0	0	0	0
0.981964	0.983096	0	0	0	0	0	0
0.976224	0.936305	0	0	0	0	0	0
0.957828	0.945697	0	0	0	0	0	0
0.989445	0.983235	0	0	0	0	0	0
0.031695	0.036485	0	0	0	0	0	0
0.991759	0.982241	0	0	0	0	0	0
0.986426	0.984035	0	0	0	0	0	0
0.989826	0.975299	0	0	0	0	0	0
0.981779	0.981324	0	0	0	0	0	0
0.014853	0.029605	0	0	0	0	0	0
0.98734	0.987339	0	0	0	0	0	0
0.978759	0.98802	0	0	0	0	0	0
0.968686	0.947565	0	0	0	0	0	0

0.018489	0.012077	0	0	0	0	0	0
0.975172	0.941837	0	0	0	0	0	0
0.974069	0.955952	0	0	0	0	0	0
0.978645	0.954906	0	0	0	0	0	0
0.978762	0.904854	0	0	0	0	0	0
0.942424	0.979365	0	0	0	0	0	0
0.991263	0.977318	0	0	0	0	0	0
0.99064	0.987014	0	0	0	0	0	0
0.989081	0.995029	0	0	0	0	0	0
0.965816	0.970356	0	0	0	0	0	0
0.981043	0.984702	0	0	0	0	0	0
0.978858	0.933753	0	0	0	0	0	0
0.255259	0.267478	0	0	0	0	0	0
0.959655	0.958871	0	0	0	0	0	0
0.959005	0.947043	0	0	0	0	0	0
0.81794	0.452712	0.01	0	0	0	0	0
0.945117	0.735928	0	0	0	0	0	0
0.027048	0.047104	0	0	0	0	0	0
0.256156	0.076907	0.03	0	0	0	0	0
0.071124	0.026278	0	0	0	0	0	0
0.976698	0.853594	0	0	0	0	0	0
0.969242	0.971683	0	0	0	0	0	0
0.948315	0.920241	0	0	0	0	0	0
0.98248	0.898677	0	0	0	0	0	0
0.688009	0.869305	0	0	0	0	0	0
0.986303	0.985058	0	0	0	0	0	0
0.996122	0.994829	0	0	0	0	0	0
0.989615	0.995131	0	0	0	0	0	0
0.967074	0.962114	0	0	0	0	0	0
0.969494	0.995067	0	0	0	0	0	0
0.095077	0.161219	0	0	0	0	0	0
0.98135	0.972826	0	0	0	0	0	0
0.988129	0.985349	0	0	0	0	0	0
0.983546	0.983668	0	0	0	0	0	0
0.982033	0.979767	0	0	0	0	0	0
0.048502	0.035684	0	0	0	0	0	0
0.01932	0.034998	0	0	0	0	0	0
0.986777	0.9895	0	0	0	0	0	0
0.986124	0.973593	0	0	0	0	0	0
0.979434	0.974956	0	0	0	0	0	0
0.980767	0.991534	0	0	0	0	0	0
0.967737	0.942023	0	0	0	0	0	0
0.980736	0.945043	0	0	0	0	3	6
0.876513	0.679318	0	2	0	0	0	0
0.978385	0.990084	0	0	0	0	0	0
0.994677	0.994194	0	0	0	0	0	0
0.995571	0.993777	0	0	0	0	0	0

0.993979	0.994849	0	0	0	0	0	0
0.024029	0.019246	0	0	0	0	0	0
0.937151	0.931897	0	0	0	0	0	0
0.961367	0.945838	0	0	0	0	0	0
0.993307	0.988684	0	0	0	0	0	0
0.99362	0.989143	0	0	0	0	0	0
0.994321	0.985562	0	0	0	0	0	0
0.964313	0.957608	0	0	0	0	0	0
0.027738	0.112346	0	0	0	0	0	0
0.990264	0.978949	0	0	0	0	0	0
0.977947	0.963991	0	0	0	0	0	0
0.990846	0.99152	0	0	0	0	0	0
0.983369	0.989529	0	0	0	0	0	0
0.988209	0.991856	0	0	0	0	0	0
0.19662	0.034739	0	0	0	0	0	0
0.707384	0.825612	0	0	0	0	0	0
0.991114	0.989539	0	0	0	0	0	0
0.993205	0.977499	0	0	0	0	0	0
0.991454	0.981713	0	0	0	0	0	0
0.862289	0.879041	0	0	0	0	0	0
0.999204	0.999014	0	0	0	0	0	0
0.999316	0.999008	0	0	0	0	0	0
0.99911	0.99949	0	0	0	0	0	0
0.995092	0.997552	0	0	0	0	0	0
0.999532	0.996684	0	0	0	0	5	5
0.999509	0.99893	0	4	0	0	0	0
0.001715	0.00231	0	4	0	0	0	0
0.037071	0.088881	0	0	0	0	0	0
0.98761	0.978378	0	0	0	0	0	0
0.421814	0.127133	0	0	0	0	0	0
0.624816	0.964404	0.19	0	0	0	0	0
0.983947	0.984594	0	0	0	0	0	0
0.210795	0.040006	0	0	0	0	0	0
0.066227	0.171193	0	0	0	0	0	0
0.977015	0.955439	0	0	0	0	0	0
0.974537	0.990978	0	0	0	3	0	0
0.937148	0.940691	0	0	0	0	0	0
0.95213	0.956837	0	0	0	0	0	0
0.995239	0.981159	0	0	0	0	0	0
0.994773	0.781831	0.03	0	0	0	0	0
0.995075	0.941259	0	0	0	0	0	0
0.013939	0.029687	0	0	0	0	0	0
0.988356	0.977932	0	0	0	0	0	0
0.982192	0.950131	0	0	0	0	0	0
0.955123	0.941636	0	0	0	0	0	0
0.952356	0.893528	0	0	0	0	0	0
0.896039	0.861636	0	0	0	0	0	0

0.995355	0.98325	0	0	0	0	0	0
0.996789	0.944374	0	0	0	0	0	0
0.012142	0.022969	0	0	0	0	0	0
0.99394	0.995671	0	0	0	0	0	0
0.994922	0.889375	0.04	0	0	0	0	0
0.995161	0.92093	0.03	0	0	0	0	0
0.994896	0.85929	0.08	0	0	0	0	0
0.996515	0.870884	0.09	0	0	0	0	0
0.136937	0.25853	0	0	0	0	0	0
0.999249	0.997395	0	0	5	5	2	0
0.997921	0.998625	0	0	0	0	0	0
0.939842	0.873648	0.07	0	0	0	0	0
0.995875	0.929359	0.02	0	0	0	0	0
0.893397	0.810487	0.01	0	0	0	0	0
0.912507	0.862102	0	0	0	0	0	0
0.997367	0.985068	0	0	0	0	0	0
0.993381	0.995689	0	0	0	0	0	0
0.997499	0.996979	0	0	0	0	0	0
0.998	0.992843	0	0	0	0	0	0
0.997782	0.994665	0	0	0	0	0	0
0.980004	0.995761	0	0	0	0	0	0
0.474693	0.465112	0	0	0	0	0	0
0.992002	0.985195	0	0	0	0	0	0
0.993423	0.986161	0	0	0	0	0	0
0.994386	0.991744	0	0	0	0	0	0
0.993445	0.993057	0	0	0	0	0	0
0.993554	0.995102	0	0	0	0	0	0
0.994856	0.995976	0	0	0	0	0	0
0.99546	0.996317	0	0	0	0	0	0
0.995393	0.995296	0	0	0	0	0	0
0.981762	0.99351	0	0	0	0	0	0
0.935688	0.984683	0	0	0	0	0	0
0.010673	0.010812	0	0	0	0	0	0
0.149277	0.533636	0.19	0	0	0	0	0
0.32959	0.203577	0	0	0	0	0	0
0.936711	0.947639	0	0	0	0	0	0
0.955492	0.943613	0	0	0	0	0	0
0.973441	0.976855	0	0	0	0	0	0
0.95088	0.958472	0	0	0	0	0	0
0.953268	0.960705	0	0	0	0	0	0
0.030108	0.058779	0	0	0	0	0	0
0.989534	0.979999	0	0	0	0	0	0
0.990951	0.986756	0	0	0	0	0	0
0.994074	0.985408	0	0	0	0	0	0
0.992663	0.988771	0	0	0	0	0	0
0.991993	0.988032	0	0	0	0	0	0
0.981525	0.979498	0	0	0	0	0	0

0.996428	0.996947	0	0	0	0	0	0
0.995722	0.996932	0	0	0	0	0	0
0.996955	0.995731	0	0	0	0	0	0
0.997988	0.996822	0	0	0	0	0	0
0.998171	0.988933	0	0	0	0	0	0
0.993024	0.996482	0	0	0	0	0	0
0.995083	0.994191	0	0	0	0	0	0
0.982364	0.969055	0	0	0	0	0	0
0.089627	0.412001	0	0	0	0	0	0
0.990642	0.982489	0	0	0	0	0	0
0.989906	0.957801	0	0	0	0	0	0
0.974443	0.989155	0	0	0	0	0	0
0.975052	0.974483	0	0	0	0	0	0
0.076421	0.02924	0	0	0	0	0	0
0.976185	0.951724	0	0	0	0	0	0
0.987166	0.990195	0	0	0	0	0	0
0.985613	0.988081	0	0	0	0	0	0
0.985549	0.965986	0	0	0	0	0	0
0.987689	0.980051	0	0	0	0	0	0
0.925377	0.89649	0	0	0	0	0	0
0.972252	0.964898	0	0	0	0	0	0
0.985248	0.986107	0	0	0	0	0	0
0.989864	0.993523	0	0	0	0	0	0
0.98656	0.683638	0.14	0	0	0	0	0
0.987697	0.993897	0	0	0	0	0	0
0.979506	0.991831	0	0	0	0	0	0
0.987185	0.991233	0	0	0	0	0	0
0.981911	0.878532	0.01	0	0	0	0	0
0.973782	0.965398	0	0	0	0	0	0
0.97746	0.982655	0	0	0	0	0	0
0.987044	0.875216	0.03	0	0	0	0	0
0.100631	0.058202	0	0	0	0	0	0
0.970507	0.995331	0	0	0	0	0	0
0.989162	0.991647	0	0	0	0	0	0
0.989813	0.996052	0	0	0	0	0	0
0.9911	0.984681	0	0	0	0	0	0
0.993303	0.982389	0	0	0	0	0	0
0.993657	0.996996	0	0	0	0	0	0
0.01139	0.072528	0	0	0	0	0	0
0.991688	0.98931	0	0	0	0	0	0
0.951173	0.993598	0	0	0	0	0	0
0.994342	0.983401	0	0	0	0	0	0
0.966175	0.720922	0.03	0	0	0	0	0
0.008231	0.010571	0	0	0	0	0	0
0.978555	0.914433	0	0	0	0	0	0
0.994386	0.98401	0	0	0	0	0	0
0.99312	0.994294	0	0	0	0	0	0

0.319675	0.180426	0	0	0	0	0	0
0.102529	0.126762	0	0	0	0	0	0
0.103916	0.130041	0	0	0	0	0	0
0.038846	0.253046	0.1	0	0	0	0	0
0.028929	0.060438	0	0	0	0	0	0
0.023377	0.015466	0	0	0	0	0	0
0.975652	0.93933	0	0	0	0	0	0
0.970299	0.929266	0	0	0	0	0	0
0.991465	0.979688	0	0	0	0	0	0
0.985555	0.978885	0	0	0	0	0	0
0.977437	0.986296	0	0	0	0	0	0
0.984411	0.981091	0	0	0	0	0	0
0.990786	0.986854	0	0	0	0	0	0
0.988963	0.964621	0	0	0	0	0	0
0.994869	0.977243	0	0	0	0	0	0
0.0762	0.062779	0	0	0	0	0	0
0.98908	0.983218	0	0	0	0	0	0
0.98718	0.985501	0	0	0	0	0	0
0.989942	0.989287	0	0	0	0	0	0
0.202744	0.204674	0	0	0	0	0	0
0.990371	0.990423	0	0	0	0	0	0
0.99652	0.993462	0	0	0	0	0	0
0.005426	0.004457	0	0	0	0	0	0
0.99852	0.95231	0.02	0	0	0	0	0
0.994462	0.995279	0	0	0	0	0	0
0.995564	0.987443	0	0	0	0	0	0
0.996331	0.997039	0	0	0	0	0	0
0.010551	0.011432	0	0	0	0	0	0
0.981392	0.897152	0.03	0	0	0	0	0
0.970903	0.994946	0	0	0	0	0	0
0.998783	0.999235	0	0	0	0	0	0
0.993136	0.97083	0	0	0	6	0	0
0.998026	0.997763	0	0	0	0	0	0
0.99808	0.998016	0	0	0	0	0	0
0.99907	0.999356	0	0	0	0	0	0
0.002997	0.003316	0	0	0	0	0	0
0.990551	0.975164	0	0	0	0	0	0
0.938219	0.919363	0	0	0	0	0	0
0.987268	0.976775	0	0	0	0	0	0
0.992832	0.98032	0	0	0	0	0	0
0.989594	0.983461	0	0	0	0	0	0
0.990798	0.97653	0	0	0	0	0	0
0.0163	0.053077	0	0	0	0	0	0
0.984776	0.991313	0	0	0	0	0	0
0.993372	0.980565	0	0	0	0	0	0
0.992085	0.986039	0	0	0	0	0	0
0.985011	0.968563	0	0	0	0	0	0

0.992516	0.99332	0	0	0	0	0	0
0.99426	0.989025	0	0	0	0	0	0
0.988436	0.937704	0	0	0	0	0	0
0.016594	0.057452	0	0	0	0	0	0
0.125006	0.267002	0	0	0	0	0	0
0.026431	0.05915	0	0	0	0	0	0
0.990327	0.981569	0	0	0	0	0	0
0.991365	0.986288	0	0	0	0	0	0
0.991906	0.987132	0	0	0	0	0	0
0.993311	0.979772	0	0	0	0	0	0
0.986838	0.973111	0	0	0	0	0	0
0.983787	0.990334	0	0	0	0	0	0
0.991293	0.982966	0	0	0	0	0	0
0.913532	0.975674	0	0	0	0	0	0
0.028712	0.025936	0	0	0	0	0	0
0.953066	0.978815	0	0	0	0	0	0
0.970442	0.989671	0	0	0	0	0	0
0.966488	0.985813	0	0	0	0	0	0
0.956083	0.987744	0	0	0	0	0	0
0.023525	0.022128	0	0	0	0	0	0
0.99223	0.929912	0	0	0	0	0	0
0.990718	0.982585	0	0	0	0	0	0
0.990722	0.990505	0	0	0	0	0	0
0.961093	0.979264	0	0	0	0	0	0
0.985601	0.987439	0	0	0	0	0	0
0.991476	0.977877	0	0	0	0	0	0
0.983622	0.964394	0	0	0	0	0	0
0.991135	0.969204	0	0	0	0	0	0
0.981991	0.969557	0	0	0	0	0	0
0.985093	0.969593	0	0	0	0	0	0
0.961401	0.954085	0	0	0	0	0	0
0.888241	0.930942	0	0	0	0	0	0
0.984599	0.985462	0	0	0	0	0	0
0.984194	0.976986	0	0	0	0	0	0
0.989258	0.996056	0	0	0	0	0	0
0.984303	0.972796	0	0	6	0	0	0
0.230899	0.270988	0	0	7	7	0	0
0.996913	0.994616	0	0	0	0	0	0
0.998239	0.980671	0	0	0	0	0	0
0.803649	0.83909	0	0	0	0	0	0
0.998644	0.987631	0	0	0	0	5	5
0.8744	0.935814	0	0	0	0	0	0
0.993249	0.979841	0	0	0	0	0	0
0.993986	0.978378	0	0	0	0	0	0
0.506226	0.461968	0	0	0	0	0	0
0.983281	0.969343	0	0	0	0	0	0
0.979758	0.877543	0	0	0	0	0	0

0.979355	0.914599	0	0	0	0	0	0
0.998511	0.990108	0	0	0	0	0	0
0.957095	0.962473	0	0	0	0	0	0
0.152167	0.159291	0	0	0	0	0	0
0.987117	0.858485	0.08	0	0	0	0	0
0.925065	0.984375	0	4	0	0	0	0
0.986762	0.978845	0	0	0	0	0	0
0.983188	0.931043	0.02	0	0	0	0	0
0.966687	0.961993	0	0	0	0	0	0
0.975018	0.969266	0	0	0	0	0	0
0.957037	0.914343	0	0	0	0	0	0
0.980941	0.983975	0	0	0	0	0	0
0.978506	0.968687	0	0	0	0	0	0
0.063363	0.124912	0	0	0	0	0	0
0.993187	0.992593	0	0	0	0	0	0
0.995258	0.99722	0	0	0	0	0	0
0.008994	0.007384	0	0	0	0	0	0
0.983316	0.917023	0	0	0	0	0	0
0.991488	0.993637	0	0	0	0	0	0
0.99326	0.93787	0	0	0	0	0	0
0.994133	0.753411	0.08	0	0	0	0	0
0.988684	0.974028	0	0	0	0	0	0
0.994251	0.990504	0	0	0	0	0	0
0.988438	0.959971	0	0	0	0	0	0
0.995961	0.992712	0	0	0	0	0	0
0.992354	0.997794	0	0	0	0	0	0
0.994921	0.995589	0	0	0	0	0	0
0.99414	0.99568	0	0	0	0	0	0
0.945233	0.989973	0	0	0	0	0	0
0.963071	0.987093	0	0	0	0	0	0
0.950308	0.93127	0	0	2	2	0	0
0.769351	0.696365	0	0	0	0	0	0
0.840224	0.715045	0	0	0	0	0	0
0.947943	0.879133	0	0	0	0	0	0
0.966531	0.907044	0	0	0	0	0	0
0.955734	0.944691	0	0	0	0	0	0
0.241091	0.160285	0	0	0	0	0	0
0.980703	0.978272	0	0	0	0	0	0
0.984453	0.989267	0	0	0	0	5	5
0.175704	0.202463	0	0	0	0	0	0
0.016183	0.030358	0	0	0	0	0	0
0.976701	0.97677	0	0	0	0	0	0
0.725934	0.566673	0.08	0	0	0	0	0
0.978886	0.949513	0	0	0	0	0	0
0.973182	0.935788	0	0	0	0	0	0
0.023129	0.038058	0	0	0	0	0	0
0.999323	0.999772	0	0	0	0	0	0

0.992124	0.997771	0	0	0	0	0	0
0.806238	0.31711	0.28	0	0	0	0	0
0.991966	0.997803	0	0	0	0	0	0
0.991435	0.999051	0	0	0	0	0	0
0.980237	0.921163	0	0	0	0	0	0
0.975075	0.939514	0	0	0	0	0	0
0.971933	0.942068	0	0	0	0	0	0
0.967394	0.940414	0	0	0	0	0	0
0.969168	0.952432	0	0	0	0	0	0
0.935984	0.954745	0	0	0	0	0	0
0.980599	0.995114	0	0	0	0	0	0
0.93442	0.974173	0	0	0	0	0	0
0.991721	0.991506	0	0	0	0	0	0
0.993344	0.992394	0	0	0	0	0	0
0.013234	0.014847	0	0	0	0	0	0
0.99157	0.988451	0	0	0	0	0	0
0.112686	0.160697	0	0	0	0	0	0
0.993221	0.963123	0	0	0	0	0	0
0.995341	0.978577	0	0	0	0	4	0
0.995013	0.996295	0	0	0	0	0	0
0.997309	0.998139	0	0	0	0	0	0
0.997216	0.998319	0	0	0	0	0	0
0.982699	0.661029	0.13	0	0	0	0	0
0.992934	0.972103	0	0	0	0	0	0
0.978027	0.977355	0	0	0	0	0	0
0.981288	0.986629	0	0	0	0	0	0
0.974472	0.975339	0	0	0	0	0	0
0.998554	0.998377	0	0	0	0	0	0
0.004834	0.009102	0	0	0	0	0	0
0.005158	0.004106	0	0	0	0	0	0
0.999023	0.99847	0	0	0	0	0	0
0.633863	0.848016	0.14	0	0	0	0	0
0.994605	0.99584	0	0	0	0	0	0
0.990134	0.955653	0	0	0	0	0	0
0.965746	0.863146	0	0	0	0	0	0
0.959253	0.814798	0	0	0	0	0	0
0.993567	0.968033	0	0	0	0	0	0
0.975809	0.903753	0	0	0	0	0	0
0.975194	0.964355	0	0	0	0	0	0
0.992664	0.945559	0	0	0	0	0	0
0.986284	0.992068	0	0	0	0	0	0
0.982898	0.993093	0	0	0	0	0	0
0.881852	0.84959	0	0	0	0	0	0
0.927983	0.897985	0	0	0	0	0	0
0.875102	0.92452	0	0	0	0	3	0
0.010783	0.016774	0	0	0	0	0	0
0.994457	0.961908	0	0	0	0	0	0

0.99655	0.991492	0	0	0	0	0	0
0.982981	0.998393	0	0	0	0	0	0
0.993851	0.990783	0	0	4	5	0	0
0.996275	0.765463	0.16	0	0	0	0	0
0.009623	0.041089	0	0	0	0	0	0
0.994573	0.983613	0	0	0	0	0	0
0.993959	0.985271	0	0	0	0	0	0
0.994988	0.989338	0	0	0	0	0	0
0.451448	0.486342	0	0	0	0	0	0
0.993025	0.970976	0	0	0	0	0	0
0.99382	0.979798	0	0	0	0	0	0
0.994546	0.967433	0	0	0	0	0	0
0.995248	0.967611	0	0	0	0	0	0
0.998039	0.997819	0	0	0	0	0	0
0.998653	0.99582	0	0	0	0	0	0
0.001267	0.000206	0	0	0	0	0	0
0.180196	0.041775	0.09	0	0	0	0	0
0.832807	0.9614	0.09	0	0	0	0	0
0.993814	0.977526	0	0	0	0	0	0
0.994239	0.975385	0	0	0	0	0	0
0.888772	0.958887	0	0	0	0	0	0
0.967072	0.958606	0	0	0	0	0	0
0.964127	0.960515	0	0	0	0	0	0
0.977235	0.969293	0	0	0	0	0	0
0.966639	0.971601	0	0	0	0	0	0
0.982798	0.949147	0	0	0	0	0	0
0.965573	0.972572	0	0	0	0	0	0
0.962346	0.967753	0	0	0	0	0	0
0.933631	0.877439	0	0	0	0	0	0
0.998028	0.992349	0	0	0	0	0	0
0.998581	0.994722	0	0	0	0	0	0
0.989712	0.975624	0	0	0	0	0	0
0.996622	0.999784	0	0	0	0	0	0
0.990955	0.995489	0	0	0	0	0	0
0.973331	0.991129	0	0	0	0	0	0
0.902329	0.918186	0	0	0	0	0	0
0.355727	0.293205	0	0	0	0	0	0
0.274015	0.203648	0	0	0	0	0	0
0.850163	0.931781	0	0	0	0	0	0
0.818859	0.80174	0	0	0	0	0	0
0.944274	0.953586	0	0	0	0	0	0
0.997448	0.990304	0	0	0	0	0	0
0.003327	0.008206	0	0	0	0	0	0
0.99083	0.974049	0	0	0	0	0	0
0.985526	0.949014	0	0	0	0	0	0
0.975317	0.972063	0	0	0	0	0	0
0.937166	0.956582	0	0	0	0	0	0

0.966359	0.96915	0	0	0	0	0	0
0.963145	0.944063	0	0	0	0	0	0
0.937523	0.94081	0	0	0	0	0	0
0.934079	0.822718	0	0	0	0	0	0
0.951659	0.907307	0	0	0	0	0	0
0.87642	0.964838	0	0	0	0	0	0
0.928276	0.618263	0	0	0	0	0	0
0.036628	0.027271	0	0	0	0	0	0
0.970795	0.98428	0	0	0	0	0	0
0.041163	0.034916	0	0	0	0	0	0
0.978475	0.987695	0	0	0	0	0	0
0.97713	0.994688	0	0	0	0	0	0
0.985899	0.937796	0	0	0	0	0	0
0.990642	0.977745	0	0	0	0	0	0
0.365322	0.447141	0	0	0	0	0	0
0.982319	0.980307	0	0	0	0	0	0
0.987015	0.978278	0	0	0	0	0	0
0.01337	0.030129	0	0	0	0	0	0
0.985572	0.981538	0	0	0	0	0	0
0.992359	0.953849	0	0	0	0	0	0
0.014544	0.264813	0.1	0	0	0	0	0
0.029755	0.253856	0.06	0	0	0	0	0
0.047971	0.34002	0.1	0	0	0	0	0
0.965788	0.959088	0	0	0	0	0	0
0.961009	0.958605	0	0	0	0	0	0
0.974123	0.976397	0	0	0	0	0	0
0.993895	0.997974	0	0	0	0	0	0
0.993082	0.952747	0	0	0	0	0	0
0.997282	0.939707	0.02	0	0	0	0	0
0.991746	0.995469	0	0	0	0	0	0
0.005851	0.022727	0	0	0	0	0	0
0.004562	0.003249	0	0	0	0	0	0
0.993178	0.99823	0	0	0	0	0	0
0.884037	0.963947	0.01	0	0	0	0	0
0.890738	0.967522	0.01	0	0	0	0	0
0.081867	0.275327	0	0	0	0	0	0
0.992714	0.991496	0	0	0	0	0	0
0.992416	0.992698	0	0	0	0	0	0
0.995128	0.991424	0	0	0	0	0	0
0.008546	0.013486	0	0	0	0	0	0
0.025658	0.073552	0	0	0	0	0	0
0.032797	0.061787	0	0	0	0	0	0
0.967077	0.953523	0	0	0	0	0	0
0.992603	0.986724	0	0	0	0	0	0
0.994322	0.993061	0	0	0	0	0	0
0.995882	0.994456	0	0	0	0	0	0
0.995187	0.993293	0	0	0	0	0	0

0.43814	0.500391	0	0	0	0	0	0
0.995807	0.991693	0	0	0	0	0	0
0.994249	0.992702	0	0	0	0	0	0
0.973323	0.971594	0	0	0	0	0	0
0.992261	0.982757	0	0	0	0	0	0
0.994535	0.989926	0	0	0	0	0	0
0.994596	0.991464	0	0	0	0	0	0
0.99295	0.990746	0	0	0	0	0	0
0.993446	0.992266	0	0	0	0	0	0
0.991892	0.988035	0	0	0	0	0	0
0.992182	0.989236	0	0	0	0	0	0
0.991902	0.992531	0	0	0	0	0	0
0.992262	0.990195	0	0	0	0	0	0
0.984699	0.972524	0	0	0	0	0	0
0.990797	0.978825	0	0	0	0	0	0
0.993513	0.403889	0.39	0	0	0	0	0
0.992355	0.984077	0	0	0	0	0	0
0.989145	0.983358	0	0	0	0	0	0
0.989472	0.977208	0	0	0	0	0	0
0.991763	0.981079	0	0	0	0	0	0
0.990319	0.998632	0	0	0	0	0	0
0.000975	0.001952	0	0	0	0	0	0
0.991374	0.998934	0	0	0	0	0	0
0.999782	0.99962	0	0	0	0	0	0
0.99972	0.999591	0	0	0	0	0	0
0.993025	0.992177	0	0	0	0	0	0
0.999806	0.929379	0.02	0	0	0	0	0
0.194372	0.067565	0.08	0	0	0	17	14
0.987506	0.981107	0	0	0	50	9	4
0.999696	0.999437	0	0	0	0	0	0
0.998288	0.985284	0	0	0	0	0	0
0.999006	0.995817	0	0	0	0	0	0
0.999218	0.962112	0	0	0	0	0	0
0.997466	0.997358	0	0	0	6	1	1
0.014394	0.026985	0	0	0	0	0	0
0.992182	0.996678	0	0	0	0	0	0
0.993186	0.996767	0	0	0	0	0	0
0.988842	0.961164	0	0	0	0	0	0
0.943789	0.91005	0	0	0	0	0	0
0.950528	0.953603	0	0	0	0	0	0
0.92359	0.916017	0	0	0	0	0	0
0.97345	0.966045	0	0	0	0	0	0
0.954012	0.845661	0	0	0	0	0	0
0.979015	0.967011	0	0	0	0	0	0
0.982624	0.932998	0	0	0	0	0	0
0.025308	0.058293	0	0	0	0	0	0
0.993411	0.980322	0	0	0	0	0	0

0.994569	0.976591	0	0	0	0	0	0
0.992425	0.980402	0	0	0	0	0	0
0.986129	0.975786	0	0	0	0	0	0
0.497772	0.835823	0	0	0	0	0	0
0.991815	0.961364	0	0	0	0	0	0
0.994061	0.983817	0	0	0	0	0	0
0.994567	0.987443	0	0	0	0	0	0
0.00795	0.054375	0	0	0	0	0	0
0.998026	0.996372	0	0	0	0	0	0
0.002578	0.004639	0	0	0	0	0	0
0.998865	0.998953	0	0	0	0	0	0
0.997818	0.995113	0	0	0	0	0	0
0.013124	0.110874	0.03	0	0	0	0	0
0.028043	0.068858	0	0	0	0	0	0
0.975722	0.983702	0	0	0	0	0	0
0.986253	0.954108	0	0	0	0	0	0
0.994883	0.993636	0	0	0	0	0	0
0.993302	0.980208	0	0	0	0	0	0
0.991447	0.981309	0	0	0	0	0	0
0.017943	0.029013	0	0	0	0	0	0
0.01108	0.020696	0	0	0	0	0	0
0.985702	0.964082	0	0	0	0	0	0
0.992588	0.968728	0	0	0	0	0	0
0.968073	0.98657	0	0	0	0	0	0
0.902556	0.862498	0	0	0	0	0	0
0.991718	0.989207	0	0	0	0	0	0
0.982237	0.92485	0	0	0	0	0	0
0.979267	0.996424	0	0	0	0	0	0
0.992131	0.997337	0	0	0	0	0	0
0.992046	0.971959	0	0	0	0	0	0
0.976978	0.966596	0	0	0	0	0	0
0.417981	0.709322	0.15	0	0	0	0	0
0.992862	0.996702	0	0	0	0	0	0
0.991167	0.994515	0	0	0	0	0	0
0.99716	0.9947	0	0	0	0	0	0
0.993388	0.987961	0	0	0	0	0	0
0.993565	0.985506	0	0	0	0	0	0
0.012659	0.031557	0	0	0	0	0	0
0.993811	0.98988	0	0	0	0	0	0
0.012088	0.088867	0	0	0	0	0	0
0.015945	0.055252	0	0	0	0	0	0
0.993452	0.959816	0	0	0	0	0	0
0.01134	0.045916	0	0	0	0	0	0
0.98914	0.976127	0	0	0	0	0	0
0.992911	0.983268	0	0	0	0	0	0
0.993505	0.985681	0	0	0	0	0	0
0.993072	0.978409	0	0	0	0	0	0

0.979004	0.963385	0	0	0	0	0	0
0.053841	0.108198	0	0	0	0	0	0
0.960445	0.969682	0	0	0	0	0	0
0.950831	0.974136	0	0	0	0	0	0
0.986147	0.979768	0	0	0	0	0	0
0.965525	0.954458	0	0	0	0	0	0
0.975624	0.968776	0	0	0	0	0	0
0.962508	0.932509	0	0	0	0	0	0
0.990712	0.983868	0	0	0	0	0	0
0.994258	0.993573	0	0	0	0	0	0
0.993804	0.987592	0	0	0	0	0	0
0.127472	0.217018	0	0	0	0	0	0
0.912714	0.832264	0	0	0	0	0	0
0.995908	0.996271	0	0	0	0	0	0
0.010331	0.081062	0	0	0	0	0	0
0.008048	0.008063	0	0	0	0	0	0
0.992706	0.968092	0	0	0	0	0	0
0.693713	0.462876	0	0	0	0	0	0
0.989548	0.965809	0	0	0	0	0	0
0.953492	0.9753	0	0	0	0	0	0
0.969628	0.993046	0	0	0	0	0	0
0.977157	0.779287	0.07	0	0	0	0	0
0.944305	0.921041	0	0	0	0	0	0
0.977726	0.914552	0	0	0	0	0	0
0.983988	0.975193	0	0	0	0	0	0
0.024322	0.004517	0	0	0	0	0	0
0.114511	0.041789	0.02	0	0	0	0	0
0.993704	0.99499	0	0	0	0	0	0
0.995644	0.995258	0	0	0	0	0	0
0.012258	0.023575	0	0	0	0	0	0
0.995943	0.99478	0	0	0	0	0	0
0.993225	0.993876	0	0	0	0	0	0
0.759245	0.699473	0.01	0	0	0	0	0
0.998934	0.984875	0	0	0	0	0	0
0.085204	0.042502	0.02	0	0	0	0	0
0.04234	0.022184	0	0	0	0	3	1
0.998481	0.923686	0.07	0	0	0	0	0
0.010687	0.004294	0	0	0	0	0	0
0.995352	0.840922	0.13	0	0	0	0	0
0.99482	0.994621	0	0	0	0	0	0
0.006247	0.001862	0	0	0	0	0	0
0.996598	0.992518	0	0	0	0	0	0
0.964419	0.976394	0	0	0	0	0	0
0.936992	0.949254	0	0	0	0	0	0
0.968228	0.955045	0	0	0	0	0	0
0.951085	0.930033	0	0	0	0	0	0
0.048312	0.084197	0	0	0	0	0	0

0.932967	0.947243	0	0	0	0	0	0
0.006691	0.025891	0	0	0	0	0	0
0.989044	0.993965	0	0	0	0	0	0
0.297354	0.8929	0.46	0	0	4	0	0
0.009943	0.018061	0	0	0	0	0	0
0.994298	0.970729	0	0	0	0	0	0
0.997338	0.99525	0	0	0	0	0	0
0.99159	0.987834	0	0	0	0	0	0
0.970124	0.970584	0	0	0	0	0	0
0.983904	0.982271	0	0	0	0	0	0
0.929437	0.925685	0	0	0	0	0	0
0.943585	0.94127	0	0	0	0	0	0
0.960725	0.954039	0	0	0	0	0	0
0.997937	0.99571	0	0	0	0	0	0
0.005582	0.006178	0	0	0	0	0	0
0.006372	0.014583	0	0	0	0	0	0
0.295282	0.134885	0.08	0	0	0	0	0
0.9561	0.938941	0	0	0	0	0	0
0.993682	0.992806	0	0	0	0	0	0
0.990259	0.991359	0	0	0	0	0	0
0.992514	0.987737	0	0	0	0	0	0
0.994377	0.994547	0	0	0	0	0	0
0.086737	0.062165	0	0	0	0	0	0
0.005136	0.006059	0	0	0	0	0	0
0.997705	0.961235	0	0	0	0	0	0
0.981549	0.977559	0	0	0	0	0	0
0.959592	0.945125	0	0	0	0	0	0
0.989684	0.982213	0	0	0	0	0	0
0.988978	0.981143	0	0	0	0	0	0
0.902931	0.870741	0	0	0	0	0	0
0.977452	0.97539	0	0	0	0	0	0
0.99163	0.991461	0	0	0	0	0	0
0.010689	0.00781	0	0	0	0	0	0
0.995022	0.996825	0	0	0	0	0	0
0.306285	0.198299	0	0	0	0	0	0
0.009578	0.00585	0	0	0	0	0	0
0.013794	0.012056	0	0	0	0	0	0
0.016642	0.027033	0	0	0	0	0	0
0.991296	0.995511	0	0	0	0	0	0
0.992772	0.996743	0	0	0	0	0	0
0.980397	0.988583	0	0	0	0	0	0
0.983281	0.994559	0	0	0	0	0	0
0.983925	0.992452	0	0	0	0	0	0
0.982826	0.988325	0	0	0	0	0	0
0.973828	0.985617	0	0	0	0	0	0
0.900257	0.279093	0.26	0	0	0	0	0
0.973758	0.915751	0	0	0	0	0	0

0.998966	0.993727	0	0	0	0	0	0
0.971213	0.977611	0	0	0	0	0	0
0.63264	0.496351	0	0	0	0	0	0
0.997801	0.993699	0	0	0	0	0	0
0.99648	0.990265	0	0	0	0	0	0
0.997352	0.987277	0	0	0	0	0	0
0.002175	0.001901	0	0	0	0	0	0
0.998871	0.995156	0	0	0	0	0	0
0.981473	0.961112	0	0	0	0	0	0
0.666208	0.952574	0.06	0	0	0	0	0
0.998356	0.80983	0.06	0	0	0	0	0
0.997942	0.956363	0	0	0	0	0	0
0.193483	0.525112	0.1	0	0	0	0	0
0.999621	0.982476	0	0	0	0	0	0
0.999476	0.98447	0	0	0	0	0	0
0.532123	0.410026	0	0	0	0	0	0
0.013217	0.052026	0	0	0	0	0	0
0.974043	0.866526	0	0	0	0	0	0
0.383856	0.102905	0.08	0	0	0	0	0
0.995562	0.811746	0.05	0	0	0	0	0
0.940517	0.948783	0	0	0	0	0	0
0.9909	0.937265	0	0	0	0	0	0
0.538266	0.548286	0	0	0	0	0	0
0.971982	0.947078	0	0	0	0	0	0
0.995049	0.949229	0	0	0	0	0	0
0.01122	0.065366	0	0	0	0	0	0
0.996024	0.983576	0	0	0	0	0	0
0.996562	0.98608	0	0	0	0	0	0
0.987067	0.989318	0	0	0	0	0	0
0.982425	0.946744	0	0	0	0	0	0
0.954443	0.900545	0	0	0	0	0	0
0.977471	0.946263	0	0	0	0	0	0
0.893817	0.952923	0	0	0	0	0	0
0.914922	0.959148	0	0	0	0	0	0
0.991142	0.967214	0	0	0	0	0	0
0.992996	0.978385	0	0	0	0	0	0
0.936409	0.946894	0	0	0	0	0	0
0.779846	0.474884	0.02	0	0	0	0	0
0.433103	0.162421	0	0	0	0	0	0
0.066545	0.255745	0	0	0	0	0	0
0.752166	0.884109	0	0	0	0	0	0
0.951069	0.984653	0	0	0	0	0	0
0.956331	0.969844	0	0	0	0	0	0
0.951074	0.677871	0.02	0	0	0	0	0
0.617109	0.806212	0	0	0	0	0	0
0.016524	0.022621	0	0	0	0	0	0
0.037307	0.09275	0	0	0	0	0	0

0.991366	0.989775	0	0	0	0	0	0
0.991098	0.971242	0	0	0	0	0	0
0.02382	0.033825	0	0	0	0	0	0
0.057707	0.053152	0	0	0	0	0	0
0.978534	0.967708	0	0	0	0	0	0
0.989855	0.983176	0	0	0	0	0	0
0.962731	0.845052	0	0	0	0	0	0
0.984684	0.939302	0	0	0	0	0	0
0.935318	0.954125	0	0	0	0	0	0
0.982505	0.971469	0	0	0	0	0	0
0.016209	0.010683	0	0	0	0	0	0
0.077095	0.035665	0	0	0	0	0	0
0.998055	0.992341	0	0	0	0	0	0
0.997643	0.997432	0	0	0	0	0	0
0.997589	0.995662	0	0	0	0	0	0
0.002635	0.002448	0	0	0	0	0	0
0.589619	0.214111	0.28	0	0	0	0	0
0.993426	0.951424	0	0	0	0	0	0
0.991868	0.984611	0	0	0	0	0	0
0.99591	0.991815	0	0	0	0	0	0
0.991403	0.974509	0	0	0	0	0	0
0.942351	0.904423	0	0	0	0	0	0
0.983766	0.949018	0	0	0	0	0	0
0.001256	0.001461	0	0	0	0	0	0
0.00764	0.016788	0	0	0	0	0	0
0.997622	0.990746	0	0	0	0	0	0
0.979212	0.967492	0	0	0	0	0	0
0.985477	0.980632	0	0	0	0	0	0
0.014511	0.020831	0	0	0	0	0	0
0.973474	0.947003	0	0	0	0	0	0
0.996411	0.99535	0	0	0	0	0	0
0.994394	0.997096	0	0	0	0	0	0
0.995103	0.990472	0	0	0	0	0	0
0.996583	0.996116	0	0	0	0	0	0
0.995353	0.995966	0	0	0	0	0	0
0.004578	0.002863	0	0	0	0	0	0
0.494025	0.689014	0.07	0	0	0	0	0
0.996775	0.993269	0	0	0	0	0	0
0.110022	0.224129	0	0	0	0	0	0
0.987013	0.961552	0	0	0	0	0	0
0.989257	0.959238	0	0	0	0	0	0
0.988781	0.986493	0	0	0	0	0	0
0.988514	0.965472	0	0	0	0	0	0
0.972269	0.970703	0	0	0	0	0	0
0.912795	0.952701	0	0	0	0	0	0
0.912355	0.962126	0	0	0	0	0	0
0.023628	0.021556	0	0	0	0	0	0

0.013309	0.023314	0	0	0	0	0	0
0.975396	0.98557	0	0	0	0	0	0
0.883412	0.9594	0	0	0	0	0	0
0.99394	0.990385	0	0	0	0	0	0
0.046703	0.067777	0	0	0	0	0	0
0.978625	0.956353	0	0	0	0	0	0
0.984341	0.971349	0	0	0	0	0	0
0.985413	0.946717	0	0	0	0	0	0
0.906341	0.483797	0.19	0	0	0	0	0
0.976219	0.966981	0	0	0	0	0	0
0.049704	0.19282	0.02	0	0	0	0	0
0.992863	0.981108	0	0	0	0	0	0
0.990974	0.992209	0	0	0	0	0	0
0.988297	0.988377	0	0	0	0	0	0
0.16547	0.33865	0.02	0	0	0	0	0
0.893568	0.98202	0	0	0	0	0	0
0.993976	0.985314	0	0	0	0	0	0
0.047688	0.062066	0	0	0	0	0	0
0.994837	0.987174	0	0	0	0	0	0
0.995119	0.959289	0	0	0	0	0	0
0.996107	0.989559	0	0	0	0	0	0
0.995188	0.981242	0	0	0	0	0	0
0.986728	0.980162	0	0	0	0	0	0
0.981154	0.990938	0	0	0	0	0	0
0.739829	0.67267	0	0	0	0	0	0
0.993521	0.807965	0.05	0	0	0	0	0
0.332372	0.344988	0	0	0	0	0	0
0.990492	0.98056	0	0	0	0	0	0
0.996508	0.994116	0	0	0	0	0	0
0.992753	0.988611	0	0	0	0	0	0
0.011319	0.011934	0	0	0	0	0	0
0.486475	0.31894	0	0	0	0	0	0
0.956314	0.847468	0.03	0	0	0	0	0
0.94563	0.718943	0	0	0	0	0	0
0.032542	0.053508	0	0	0	0	0	0
0.034831	0.066411	0	0	0	0	0	0
0.975556	0.980068	0	0	0	0	0	0
0.019033	0.119781	0	0	0	0	0	0
0.990438	0.975639	0	0	0	0	0	0
0.022513	0.064095	0	0	0	0	0	0
0.988532	0.990329	0	0	0	0	0	0
0.033808	0.150038	0	0	0	0	0	0
0.926415	0.979539	0	0	0	0	0	0
0.990718	0.989521	0	0	0	0	0	0
0.801059	0.775057	0	0	0	0	0	0
0.972275	0.908632	0	0	0	0	0	0
0.989204	0.988583	0	0	0	0	0	0

0.987783	0.994636	0	0	0	0	0	0
0.993513	0.991272	0	0	0	0	0	0
0.964241	0.957205	0	0	0	0	0	0
0.971238	0.968468	0	0	0	0	0	0
0.961078	0.962597	0	0	0	0	0	0
0.962975	0.958854	0	0	0	0	0	0
0.235919	0.324049	0	0	0	0	0	0
0.984411	0.977458	0	0	0	0	0	0
0.985467	0.987388	0	0	0	0	0	0
0.981119	0.957892	0	0	0	0	0	0
0.98437	0.956315	0	0	0	0	0	0
0.993373	0.990658	0	0	0	0	0	0
0.951867	0.934592	0	0	0	0	0	0
0.995123	0.996788	0	0	0	6	0	0
0.970991	0.938893	0	0	0	0	0	0
0.995015	0.93614	0.02	0	0	0	0	0
0.989916	0.980608	0	0	0	0	0	0
0.98344	0.951651	0	0	0	0	0	0
0.977184	0.978782	0	0	0	0	0	0
0.914695	0.940711	0	0	0	0	0	0
0.969506	0.955627	0	0	0	0	0	0
0.989099	0.711342	0.13	0	0	0	0	0
0.989016	0.990224	0	0	0	0	0	0
0.960634	0.962642	0	0	0	0	0	0
0.981377	0.98724	0	0	0	0	0	0
0.977785	0.943535	0	0	0	0	0	0
0.977984	0.968479	0	0	0	0	0	0
0.989025	0.964615	0	0	0	0	0	0
0.987505	0.950837	0	0	0	0	0	0
0.981083	0.951922	0	0	0	0	0	0
0.729083	0.542024	0	0	0	0	0	0
0.293462	0.256803	0	0	0	0	3	2
0.968229	0.968995	0	0	0	0	0	0
0.98604	0.906885	0	0	0	0	0	0
0.98613	0.974816	0	0	0	0	0	0
0.98617	0.897791	0	0	0	0	0	0
0.995705	0.979027	0	0	0	0	0	0
0.972555	0.987481	0	0	0	0	0	0
0.117216	0.033995	0	0	0	0	0	0
0.995686	0.968223	0	0	0	0	0	0
0.997454	0.923542	0.03	0	0	0	0	0
0.998326	0.929418	0.03	0	0	0	0	0
0.951401	0.947702	0	0	0	0	0	0
0.073019	0.312829	0	0	0	0	0	0
0.003602	0.017122	0	0	0	0	0	0
0.998606	0.99721	0	0	0	0	0	0
0.995509	0.986825	0	0	0	0	0	0

0.997834	0.986923	0	0	0	0	0	0
0.998242	0.994659	0	0	0	0	0	0
0.998259	0.99155	0	0	0	0	0	0
0.998115	0.985258	0	0	0	0	0	0
0.882719	0.538519	0.18	0	0	0	0	0
0.995887	0.896199	0.05	0	0	0	0	0
0.602265	0.207652	0.22	0	0	0	0	0
0.218592	0.1277	0	0	0	0	0	0
0.017822	0.048187	0	0	0	0	0	0
0.949452	0.965355	0	0	0	0	0	0
0.04577	0.078484	0	0	0	0	0	0
0.987741	0.975404	0	0	0	0	0	0
0.995689	0.992735	0	0	0	0	0	0
0.994251	0.985193	0	0	0	0	0	0
0.993102	0.989953	0	0	0	0	0	0
0.948815	0.759148	0.01	0	0	0	0	0
0.770511	0.500567	0	0	11	0	0	0
0.563979	0.216912	0.2	0	11	0	0	0
0.012509	0.01255	0	0	11	0	0	0
0.510295	0.244393	0.07	0	11	0	0	0
0.992884	0.971621	0	0	0	0	0	0
0.998207	0.99285	0	0	0	0	0	0
0.041283	0.013466	0	0	0	0	0	0
0.997326	0.99088	0	0	0	0	0	0
0.997709	0.99225	0	0	0	0	1	1
0.993348	0.974662	0	0	0	0	0	0
0.050021	0.10838	0	0	0	0	0	0
0.998055	0.993155	0	0	0	0	0	0
0.997808	0.985275	0	0	0	0	0	0
0.03746	0.035369	0	0	0	0	0	0
0.983898	0.933638	0	0	0	0	0	0
0.960036	0.96086	0	0	0	0	0	0
0.969268	0.932619	0	0	0	0	0	0
0.96769	0.893452	0	0	0	0	0	0
0.029534	0.056358	0	0	0	0	0	0
0.98152	0.915056	0	0	0	0	0	0
0.982689	0.962958	0	0	0	0	0	0
0.036877	0.053806	0	0	0	0	0	0
0.058459	0.06392	0	0	0	0	0	0
0.97891	0.947285	0	0	0	0	0	0
0.619558	0.79491	0	0	0	0	0	0
0.978337	0.92803	0	0	0	0	0	0
0.996586	0.988997	0	0	0	0	0	0
0.993536	0.991235	0	0	0	0	0	0
0.993869	0.986425	0	0	0	0	0	0
0.991028	0.992974	0	0	0	0	0	0
0.994612	0.992637	0	0	0	0	0	0

0.95502	0.964025	0	0	0	0	0	0
0.916984	0.934808	0	0	0	0	0	0
0.94424	0.912363	0	0	0	0	0	0
0.997264	0.994405	0	0	0	0	0	0
0.997132	0.99035	0	0	0	0	0	0
0.995669	0.987147	0	0	0	0	0	0
0.997302	0.975402	0	0	0	7	0	0
0.99667	0.99881	0	0	0	0	0	0
0.026177	0.039711	0	0	0	0	0	0
0.994851	0.998873	0	0	0	0	0	0
0.996292	0.999018	0	0	0	0	0	0
0.990426	0.999518	0	0	0	0	0	0
0.997687	0.997916	0	0	0	0	0	0
0.99818	0.998452	0	0	0	0	0	0
0.994594	0.986497	0.01	0	0	0	0	0
0.009819	0.036232	0	0	0	0	0	0
0.073456	0.006281	0.01	0	0	0	0	0
0.466845	0.035115	0.34	0	0	6	0	0
0.553496	0.45602	0	0	0	0	0	0
0.003539	0.00437	0	0	0	0	0	0
0.999405	0.988203	0	0	0	0	0	0
0.00108	0.005505	0	0	0	0	0	0
0.987819	0.983902	0	0	0	0	0	0
0.726394	0.792689	0.07	0	0	0	0	0
0.015984	0.019811	0	0	0	0	0	0
0.708382	0.608952	0	0	0	0	0	0
0.012899	0.030901	0	0	0	0	0	0
0.987231	0.908537	0.01	0	0	0	0	0
0.015404	0.108905	0.01	0	0	0	0	0
0.994208	0.993253	0	0	0	0	0	0
0.026924	0.028333	0	0	0	0	0	0
0.724027	0.819603	0	0	0	0	0	0
0.240338	0.226084	0	0	0	0	0	0
0.948051	0.977441	0	0	0	0	0	0
0.044799	0.051673	0	0	0	0	0	0
0.981345	0.962389	0	0	0	0	0	0
0.982804	0.969189	0	0	0	0	0	0
0.966213	0.966535	0	0	0	0	0	0
0.992897	0.996662	0	0	0	0	0	0
0.994549	0.977151	0	0	0	0	0	0
0.018239	0.004666	0	0	0	0	0	0
0.98845	0.992758	0	0	0	0	0	0
0.993166	0.761542	0.11	0	0	0	0	0
0.114913	0.091109	0	0	0	0	0	0
0.987065	0.990619	0	0	0	0	0	0
0.153304	0.008052	0.07	0	0	0	0	0
0.992018	0.994598	0	0	0	0	0	0

0.019862	0.010206	0	0	0	0	0	0
0.021702	0.008522	0	0	0	0	0	0
0.991914	0.895705	0	0	0	0	0	0
0.179616	0.078579	0	0	0	0	0	0
0.993619	0.957651	0	0	0	0	0	0
0.090933	0.034841	0	0	0	0	0	0
0.036849	0.017321	0	0	0	0	0	0
0.981194	0.946135	0	0	0	0	0	0
0.997372	0.996668	0	0	0	0	0	0
0.998296	0.995405	0	0	0	0	0	0
0.998154	0.997859	0	0	0	0	0	0
0.992234	0.986434	0	0	0	0	0	0
0.993489	0.987978	0	0	0	0	0	0
0.994193	0.990778	0	0	0	0	0	0
0.01429	0.011977	0	0	0	0	0	0
0.006887	0.011946	0	0	0	0	0	0
0.344262	0.454631	0	0	0	0	0	0
0.945534	0.959652	0	0	0	0	0	0
0.987091	0.919386	0	0	0	0	0	0
0.946163	0.956464	0	0	0	0	0	0
0.983715	0.969797	0	0	0	0	0	0
0.788569	0.872788	0	0	0	0	0	0
0.979971	0.938974	0	0	0	0	0	0
0.986289	0.962801	0	0	0	0	0	0
0.983076	0.98593	0	0	0	0	0	0
0.007271	0.023159	0	0	0	0	0	0
0.973632	0.987832	0	0	0	0	0	0
0.312869	0.292483	0	0	0	0	0	0
0.355435	0.302907	0	0	0	0	0	0
0.963245	0.975904	0	0	0	0	0	0
0.909271	0.973025	0	0	0	0	0	0
0.01663	0.012131	0	0	0	0	0	0
0.941634	0.946967	0	0	0	0	0	0
0.950473	0.952514	0	0	0	0	0	0
0.99109	0.983196	0	0	0	0	0	0
0.011181	0.057454	0	0	0	0	0	0
0.995677	0.971362	0	0	0	0	0	0
0.657943	0.780384	0	0	0	0	0	0
0.994606	0.957275	0	0	0	0	0	0
0.996551	0.996591	0	0	0	0	0	0
0.994276	0.996473	0	0	0	0	0	0
0.997484	0.998935	0	0	0	0	0	0
0.998771	0.999508	0	0	0	0	0	0
0.040034	0.055279	0	2	0	0	0	0
0.010067	0.204181	0.11	0	0	0	0	0
0.009073	0.146103	0.07	0	0	0	0	0
0.997456	0.999306	0	0	0	0	0	0

0.011011	0.002544	0	0	0	0	0	0
0.142438	0.202641	0	0	0	0	0	0
0.829486	0.817355	0	0	0	0	0	0
0.997188	0.997854	0	0	0	0	0	0
0.998195	0.989811	0	0	0	0	0	0
0.99429	0.903141	0.05	0	0	0	0	0
0.879419	0.877678	0	0	0	0	0	0
0.978079	0.981716	0	0	0	0	0	0
0.96559	0.407165	0.41	0	0	0	0	0
0.997999	0.987484	0	0	0	0	0	0
0.028803	0.029334	0	0	0	0	0	0
0.989663	0.950376	0	0	0	0	0	0
0.995267	0.990349	0	0	0	0	0	0
0.980699	0.97894	0	0	0	0	0	0
0.009654	0.013459	0	0	3	0	0	0
0.988203	0.994236	0	0	0	0	0	0
0.96123	0.98842	0	0	0	0	0	0
0.988382	0.955071	0	0	0	0	0	0
0.992115	0.952049	0	0	0	0	0	0
0.993163	0.950252	0	0	0	0	0	0
0.992628	0.953066	0	0	0	0	0	0
0.993476	0.951244	0	0	0	0	0	0
0.976847	0.957173	0	0	0	0	0	0
0.015337	0.015726	0	0	0	0	0	0
0.104893	0.108233	0	0	0	0	0	0
0.995279	0.997815	0	0	0	0	0	0
0.97878	0.948803	0	0	0	0	0	0
0.998911	0.998236	0	0	0	0	0	0
0.998942	0.999093	0	0	0	0	0	0
0.999284	0.998355	0	0	0	0	0	0
0.999062	0.999055	0	0	0	0	0	0
0.999446	0.998231	0	0	0	0	0	0
0.998579	0.925162	0.04	0	0	0	0	0
0.998625	0.998494	0	0	0	0	0	0
0.894152	0.623867	0.17	0	0	0	0	0
0.995567	0.997381	0	0	0	0	0	0
0.991695	0.993751	0	0	0	0	0	0
0.966047	0.72855	0.11	0	0	0	0	0
0.911479	0.801351	0	0	0	0	0	0
0.962396	0.487647	0.19	0	0	0	0	0
0.092749	0.147712	0	0	0	0	0	0
0.989738	0.960461	0	0	0	0	0	0
0.962023	0.933545	0	0	0	0	0	0
0.894208	0.952819	0	0	0	0	0	0
0.012009	0.019047	0	0	0	0	0	0
0.990721	0.995109	0	0	0	0	0	0
0.982512	0.994422	0	0	0	0	0	0

0.987575	0.973543	0	0	0	0	0	0
0.946714	0.981829	0	0	0	0	0	0
0.876994	0.923701	0	0	0	0	0	0
0.980041	0.970462	0	0	0	0	0	0
0.898306	0.938164	0	0	0	0	0	0
0.975476	0.947211	0	0	0	0	0	0
0.970738	0.963969	0	0	0	0	0	0
0.993166	0.990205	0	0	0	0	0	0
0.981628	0.978392	0	0	0	0	0	0
0.97968	0.980151	0	0	0	0	0	0
0.965103	0.984849	0	0	0	0	0	0
0.04575	0.066	0	0	0	0	0	0
0.97443	0.978582	0	0	0	0	0	0
0.960559	0.958474	0	0	0	0	0	0
0.968976	0.960221	0	0	0	0	0	0
0.991926	0.983179	0	0	0	0	0	0
0.984205	0.941047	0	0	0	0	0	0
0.985209	0.949892	0	0	0	0	0	0
0.982578	0.995078	0	0	0	0	0	0
0.022378	0.043096	0	0	0	0	0	0
0.988736	0.981224	0	0	0	0	0	0
0.987819	0.977861	0	0	0	0	0	0
0.988905	0.986702	0	0	0	0	0	0
0.98774	0.980911	0	0	0	0	0	0
0.983978	0.948225	0	0	0	0	0	0
0.990683	0.958148	0	0	0	0	0	0
0.969417	0.913601	0	0	0	0	0	0
0.010803	0.01439	0	0	0	0	0	0
0.015323	0.025029	0	0	0	0	0	0
0.972256	0.986702	0	0	0	0	0	0
0.002046	0.043709	0.01	0	0	0	0	0
0.999127	0.998163	0	0	0	0	0	0
0.702771	0.932897	0.11	0	0	0	0	0
0.999184	0.998586	0	0	0	0	0	0
0.998433	0.995957	0	0	0	0	0	0
0.127039	0.205956	0	0	0	0	0	0
0.048331	0.086109	0	0	0	0	0	0
0.967168	0.853238	0	0	0	0	0	0
0.892976	0.540672	0.2	0	0	0	0	0
0.985077	0.995732	0	0	0	0	0	0
0.998099	0.861043	0.04	0	0	0	0	0
0.953982	0.947799	0	0	0	0	0	0
0.966965	0.944341	0	0	0	0	0	0
0.047381	0.048637	0	0	0	0	0	0
0.961667	0.851223	0	0	0	0	0	0
0.006855	0.010348	0	0	0	0	0	0
0.995415	0.995195	0	0	0	0	0	0

0.984295	0.977508	0	0	0	0	0	0
0.986838	0.978934	0	0	0	0	0	0
0.983224	0.983736	0	0	0	0	0	0
0.978418	0.889567	0	0	0	0	0	0
0.005571	0.043275	0	0	0	0	0	0
0.944283	0.882969	0	0	0	0	0	0
0.973965	0.97483	0	0	0	0	0	0
0.983239	0.973934	0	0	0	0	0	0
0.06693	0.032457	0	0	0	0	0	0
0.987214	0.988872	0	0	0	0	0	0
0.043232	0.043492	0	0	0	0	0	0
0.991479	0.962456	0	0	0	0	0	0
0.963214	0.962382	0	0	0	0	0	0
0.997614	0.987681	0	0	0	0	0	0
0.998538	0.998244	0	0	0	0	0	0
0.998434	0.99822	0	0	0	0	0	0
0.99892	0.9991	0	0	0	0	0	0
0.998029	0.997924	0	0	0	0	0	0
0.009199	0.020639	0	0	0	0	0	0
0.989454	0.974414	0	0	0	0	0	0
0.997704	0.997242	0	0	0	0	0	0
0.997532	0.996826	0	0	0	0	0	0
0.993087	0.991001	0	0	0	0	0	0
0.004285	0.015362	0	0	0	0	0	0
0.997425	0.99637	0	0	0	0	0	0
0.997117	0.995535	0	0	0	0	0	0
0.995422	0.989703	0	0	0	0	0	0
0.993726	0.986572	0	0	0	0	0	0
0.998425	0.999133	0	0	0	0	0	0
0.98861	0.992538	0	0	0	0	0	0
0.994966	0.995319	0	0	0	0	0	0
0.977704	0.995429	0	0	0	0	0	0
0.984543	0.996638	0	0	0	0	0	0
0.051802	0.044207	0	0	0	0	0	0
0.966854	0.983943	0	0	0	0	0	0
0.993991	0.993798	0	0	0	0	0	0
0.996904	0.995292	0	0	0	0	0	0
0.015635	0.022592	0	0	0	0	0	0
0.990268	0.922443	0	0	0	0	7	7
0.029872	0.042761	0	0	0	0	0	0
0.993213	0.958596	0	0	0	0	0	0
0.983312	0.8974	0	0	0	0	0	0
0.993091	0.956345	0	0	0	0	0	0
0.978578	0.74083	0.04	0	0	0	0	0
0.915016	0.777843	0	0	0	0	0	0
0.987587	0.951833	0	0	0	0	0	0
0.989884	0.971121	0	0	0	0	0	0

0.99433	0.951234	0.02	0	0	0	0	0
0.998581	0.997659	0	0	0	0	0	0
0.997937	0.773605	0.17	0	0	0	0	0
0.984946	0.977573	0.01	0	0	0	0	0
0.997219	0.995446	0	0	0	0	0	0
0.017899	0.010984	0	0	0	0	0	0
0.990337	0.995704	0	0	0	0	0	0
0.986435	0.994883	0	0	0	0	0	0
0.982456	0.991813	0	0	0	0	0	0
0.9855	0.971349	0	0	0	0	0	0
0.991496	0.943906	0	0	0	0	8	8
0.987694	0.995275	0	0	0	0	0	0
0.997075	0.993891	0	0	0	2	0	0
0.007644	0.005836	0	0	0	0	0	0
0.995708	0.996035	0	0	0	0	0	0
0.996774	0.996406	0	0	0	0	0	0
0.974374	0.88909	0.03	0	0	0	0	0
0.010479	0.014274	0	1	0	0	0	0
0.995926	0.977106	0	1	0	0	0	0
0.997391	0.987001	0	0	0	0	0	0
0.015646	0.094145	0.02	0	0	0	0	0
0.996225	0.996162	0	0	0	0	0	0
0.99364	0.997007	0	0	0	0	0	0
0.992481	0.9958	0	0	0	0	0	0
0.993688	0.996353	0	0	0	0	0	0
0.990411	0.823422	0.09	0	0	0	0	0
0.991533	0.861078	0.06	0	0	0	0	0
0.932475	0.968813	0	0	0	0	0	0
0.997746	0.995685	0	0	0	0	0	0
0.998808	0.998413	0	0	0	0	0	0
0.999112	0.99626	0	0	0	0	0	0
0.987233	0.988035	0	0	0	0	0	0
0.998803	0.997048	0	0	0	0	0	0
0.985196	0.995295	0	0	0	0	0	0
0.495646	0.803234	0.2	0	0	0	0	0
0.554833	0.918971	0.32	0	0	0	0	0
0.1692	0.289748	0.08	0	0	0	0	0
0.521065	0.200642	0.25	0	0	0	0	0
0.999243	0.990286	0	0	0	0	0	0
0.998389	0.994424	0	0	0	0	0	0
0.995759	0.99237	0	0	0	0	0	0
0.59529	0.541617	0	0	0	0	0	0
0.986944	0.964349	0	0	0	0	0	0
0.989882	0.987202	0	0	0	0	0	0
0.985454	0.958577	0	0	0	0	0	0
0.988912	0.869787	0.01	0	0	0	0	0
0.982766	0.883582	0	0	0	0	0	0

0.988393	0.897844	0	0	0	0	0	0
0.96005	0.952303	0	0	0	0	0	0
0.934021	0.934519	0	0	0	0	0	0
0.972533	0.950169	0	0	0	0	0	0
0.967421	0.96915	0	0	0	0	0	0
0.960331	0.970207	0	0	0	0	0	0
0.961552	0.95105	0	0	0	0	0	0
0.965453	0.938077	0	0	0	0	0	0
0.885343	0.301109	0.33	0	0	0	0	0
0.945666	0.476503	0.14	0	0	0	0	0
0.996277	0.987512	0	0	0	0	0	0
0.996649	0.991684	0	0	0	0	0	0
0.010651	0.019959	0	0	0	0	0	0
0.997871	0.994637	0	0	0	0	0	0
0.004698	0.010394	0	0	0	0	0	0
0.852165	0.887639	0	0	0	0	0	0
0.94985	0.930157	0	0	0	0	0	0
0.959392	0.931251	0	0	0	0	0	0
0.99165	0.869255	0.05	0	0	0	0	0
0.011006	0.00869	0	0	0	0	0	0
0.984418	0.994148	0	0	0	0	0	0
0.985357	0.996078	0	0	0	0	0	0
0.996404	0.984262	0	0	0	0	0	0
0.933618	0.975195	0	0	0	0	0	0
0.948877	0.80209	0	0	0	0	0	0
0.90505	0.923296	0	0	0	0	0	0
0.991908	0.933413	0	0	0	0	0	0
0.106473	0.228673	0	0	0	0	0	0
0.992278	0.951845	0	0	0	0	0	0
0.987846	0.981252	0	0	0	0	0	0
0.987872	0.946828	0	0	0	0	0	0
0.938485	0.975378	0	0	0	0	0	0
0.942919	0.834087	0	0	0	0	0	0
0.995355	0.985906	0	0	0	0	0	0
0.994546	0.94163	0	0	0	0	0	0
0.992804	0.969856	0	0	0	0	0	0
0.015504	0.085942	0	0	0	0	0	0
0.99474	0.935666	0	0	3	0	0	0
0.994899	0.953071	0	0	0	0	0	0
0.994398	0.950274	0	0	0	0	0	0
0.993717	0.966738	0	0	4	4	10	10
0.995941	0.868686	0	0	0	0	3	6
0.996442	0.984703	0	0	0	0	0	0
0.995997	0.95596	0	0	0	0	0	0
0.997054	0.983099	0	0	0	0	0	0
0.997961	0.992075	0	0	0	0	0	0
0.995818	0.954423	0	0	0	0	0	0

0.997653	0.992088	0	0	0	0	0	0
0.997368	0.99216	0	0	0	0	0	0
0.998314	0.996782	0	0	0	0	0	0
0.997815	0.998101	0	0	0	0	4	0
0.998693	0.998256	0	0	0	0	0	0
0.99868	0.996631	0	0	0	0	0	0
0.99815	0.996396	0	0	0	0	0	0
0.997749	0.985565	0	0	0	0	0	0
0.996675	0.972092	0	0	0	0	0	0
0.963278	0.989326	0	0	0	0	0	0
0.998172	0.998377	0	0	0	0	0	0
0.994479	0.97987	0	0	0	0	0	0
0.99779	0.99382	0	0	0	0	0	0
0.998727	0.992744	0	0	0	0	0	0
0.996932	0.998737	0	0	0	0	0	0
0.987828	0.956628	0	0	0	0	0	0
0.986579	0.945838	0	0	0	0	0	0
0.003583	0.002321	0	0	0	0	0	0
0.995646	0.990607	0	0	0	0	0	0
0.93742	0.980477	0	0	0	0	0	0
0.980733	0.988702	0	0	0	0	0	0
0.995374	0.991927	0	0	0	0	0	0
0.000463	0.000456	0	0	0	0	0	0
0.509573	0.574571	0	0	0	0	0	0
0.005239	0.01707	0	0	0	0	0	0
0.996454	0.998025	0	0	0	0	0	0
0.054657	0.082031	0	0	0	0	0	0
0.9809	0.9644	0	0	0	0	0	0
0.998083	0.998312	0	0	0	0	0	0
0.000663	0.004374	0	0	0	0	0	0
0.00223	0.002721	0	0	0	0	24	13
0.998213	0.998475	0	0	0	0	0	0
0.999813	0.999419	0	0	0	0	2	2
0.960978	0.97821	0	0	0	0	0	0
0.948791	0.796448	0	0	0	0	0	0
0.991307	0.996966	0	0	0	0	0	0
0.176225	0.296672	0.01	0	0	0	0	0
0.996252	0.971953	0	0	0	0	0	0
0.993788	0.993317	0	0	0	0	0	0
0.007552	0.140387	0.06	0	0	0	0	0
0.983272	0.965142	0	0	0	0	0	0
0.996104	0.970464	0	0	0	0	0	0
0.99528	0.992861	0	0	0	0	0	0
0.99785	0.99577	0	0	0	0	0	0
0.99805	0.996243	0	0	0	0	0	0
0.996868	0.995259	0	0	0	0	0	0
0.997445	0.988567	0	0	0	0	0	0

0.947301	0.580832	0.12	0	0	0	0	0
0.862765	0.897889	0	0	0	0	0	0
0.060478	0.099508	0	0	0	0	0	0
0.998771	0.998512	0	0	0	0	0	0
0.994577	0.970044	0	0	0	0	0	0
0.997617	0.933845	0.02	0	0	0	0	0
0.998797	0.989888	0	0	0	0	0	0
0.992739	0.970311	0	0	0	0	0	0
0.996517	0.988964	0	0	0	0	0	0
0.997366	0.990346	0	0	0	0	0	0
0.650736	0.551353	0	0	0	0	0	0
0.080028	0.701537	0.32	0	0	0	0	0
0.990333	0.981037	0	0	0	0	0	0
0.994013	0.976888	0	0	0	0	0	0
0.987035	0.952272	0	0	0	0	0	0
0.99504	0.991203	0	0	0	0	0	0
0.995944	0.995384	0	0	0	0	0	0
0.994948	0.975748	0	0	0	0	0	0
0.994841	0.94554	0	0	0	0	0	0
0.994921	0.985202	0	0	0	0	0	0
0.965221	0.994508	0	0	0	0	0	0
0.996702	0.98077	0	0	0	0	0	0
0.997015	0.99468	0	0	0	0	0	0
0.992118	0.983697	0	0	0	0	0	0
0.017302	0.044561	0	0	0	0	0	0
0.993154	0.988911	0	0	0	0	0	0
0.952104	0.925051	0	0	0	0	0	0
0.73332	0.63603	0	0	0	0	0	0
0.994149	0.995298	0	0	0	0	0	0
0.995842	0.990053	0	0	7	7	0	0
0.997691	0.99085	0	0	0	0	0	0
0.995877	0.883596	0.05	0	0	0	0	0
0.989823	0.950244	0	0	0	0	0	0
0.997538	0.994292	0	0	0	0	0	0
0.015802	0.017114	0	8	0	0	5	5
0.988398	0.990701	0	0	0	0	0	0
0.995212	0.986662	0	0	0	0	0	0
0.993222	0.984623	0	0	0	0	0	0
0.027332	0.028328	0	0	0	0	0	0
0.648619	0.334309	0.19	0	0	0	0	0
0.977316	0.980175	0	0	0	0	0	0
0.975194	0.982444	0	0	0	0	0	0
0.93922	0.888592	0	0	0	0	0	0
0.94266	0.90069	0	0	0	0	0	0
0.988635	0.982906	0	0	0	0	0	0
0.93307	0.925855	0	0	0	0	0	0
0.94779	0.963191	0	0	0	0	0	0

0.945082	0.957288	0	0	0	0	0	0
0.98544	0.994009	0	0	0	0	0	0
0.034434	0.016164	0	0	0	0	0	0
0.972661	0.957005	0	0	0	0	0	0
0.987945	0.983642	0	0	0	0	0	0
0.985436	0.985696	0	0	0	0	0	0
0.995858	0.96973	0	0	0	0	0	0
0.990267	0.960245	0	0	0	0	0	0
0.994809	0.993247	0	0	0	0	0	0
0.967301	0.967547	0	0	0	0	0	0
0.948559	0.947489	0	0	0	0	0	0
0.94838	0.951309	0	0	0	0	0	0
0.50502	0.331542	0	0	0	0	0	0
0.965033	0.972816	0	0	0	0	0	0
0.974362	0.976045	0	0	0	0	0	0
0.944774	0.970504	0	0	0	0	0	0
0.991925	0.988689	0	0	0	0	0	0
0.981317	0.979454	0	0	0	0	0	0
0.033858	0.079316	0	0	0	0	0	0
0.048413	0.09269	0	0	0	0	0	0
0.98632	0.948149	0	0	0	0	0	0
0.936228	0.963349	0	0	0	0	0	0
0.998037	0.993482	0	0	0	0	0	0
0.991293	0.958412	0	0	0	0	0	0
0.996427	0.99611	0	0	0	0	0	0
0.996158	0.987801	0	0	0	0	0	0
0.994852	0.997803	0	0	0	0	0	0
0.99696	0.998152	0	0	0	0	0	0
0.994338	0.990372	0	0	0	0	0	0
0.943617	0.991475	0	0	0	0	0	0
0.935264	0.944897	0	0	0	0	0	0
0.938293	0.948476	0	0	0	0	0	0
0.873289	0.884916	0	0	0	0	0	0
0.940367	0.16175	0.57	0	0	0	0	0
0.970706	0.980106	0	0	0	0	0	0
0.90168	0.891394	0	0	0	0	0	0
0.922494	0.826633	0	0	0	0	0	0
0.598166	0.947994	0.1	0	0	0	0	0
0.904862	0.954159	0	0	0	0	0	0
0.960896	0.980432	0	0	0	0	0	0
0.946222	0.981319	0	0	0	0	0	0
0.013629	0.052033	0	0	0	0	0	0
0.008941	0.017672	0	0	0	0	0	0
0.953427	0.94211	0	0	0	0	0	0
0.971922	0.955878	0	0	0	0	0	0
0.979033	0.95598	0	0	0	0	0	0
0.297841	0.202056	0	0	0	0	0	0

0.845428	0.683788	0	0	0	0	0	0
0.999564	0.77907	0.09	0	0	0	9	0
0.817356	0.293063	0.42	0	1	11	0	0
0.987616	0.901851	0.02	7	32	53	8	0
0.012631	0.032212	0.02	24	48	71	6	23
0.047366	0.090959	0.05	5	51	41	0	0
0.998432	0.997786	0	0	0	0	0	0
0.937879	0.941915	0	0	0	0	0	0
0.965349	0.984372	0	0	0	0	0	0
0.983769	0.933025	0	0	0	0	0	0
0.967943	0.96665	0	0	0	0	0	0
0.084542	0.361703	0	0	0	0	0	0
0.840424	0.964544	0	0	0	0	0	0
0.990246	0.99231	0	0	0	0	0	0
0.991635	0.992407	0	0	0	0	0	0
0.980653	0.971387	0	0	0	0	0	0
0.979412	0.979718	0	0	0	0	0	0
0.979709	0.964105	0	0	0	0	0	0
0.970745	0.961653	0	0	0	0	0	0
0.986995	0.966709	0	0	0	0	0	0
0.990504	0.98399	0	0	0	0	0	0
0.989487	0.988302	0	0	0	0	0	0
0.990343	0.987977	0	0	0	0	0	0
0.003767	0.002853	0	0	0	0	0	0
0.988542	0.989878	0	0	0	0	0	0
0.992786	0.908007	0.01	0	0	0	0	0
0.992266	0.996143	0	0	0	0	0	0
0.993108	0.973385	0	0	0	0	0	0
0.994744	0.984439	0	0	0	0	0	0
0.990598	0.987099	0	0	0	0	0	0
0.992627	0.986015	0	0	0	0	0	0
0.982148	0.979683	0	0	0	0	0	0
0.01597	0.033803	0	0	0	0	0	0
0.992148	0.991476	0	0	0	0	0	0
0.986962	0.991937	0	0	0	0	0	0
0.974769	0.953742	0	0	0	0	0	0
0.046845	0.050796	0	0	0	0	0	0
0.975766	0.972814	0	0	0	0	0	0
0.942858	0.971533	0	0	0	0	0	0
0.016283	0.023262	0	0	0	0	0	0
0.995814	0.995055	0	0	0	0	0	0
0.995299	0.998623	0	0	0	0	0	0
0.004108	0.012521	0	0	0	0	0	0
0.973802	0.967221	0	0	0	0	0	0
0.998687	0.991994	0	0	0	0	0	0
0.998834	0.999535	0	0	0	0	0	0
0.997756	0.99729	0	0	0	0	0	0

0.981051	0.160889	0.68	0	0	0	0	0
0.985231	0.93439	0	0	0	0	0	0
0.911702	0.642367	0	0	0	0	0	0
0.925285	0.876092	0	0	0	0	0	0
0.022435	0.021252	0	0	0	0	0	0
0.920559	0.89278	0	0	0	0	0	0
0.970793	0.984912	0	0	0	0	0	0
0.000335	0.003233	0	0	0	1	0	0
0.964274	0.999137	0	0	0	0	0	0
0.998221	0.994392	0	0	0	0	0	0
0.99829	0.985215	0	0	0	0	0	0
0.980975	0.988459	0	0	0	0	0	0
0.990371	0.976779	0	0	0	0	0	0
0.993453	0.976839	0	0	0	0	0	0
0.99433	0.980406	0	0	0	0	0	0
0.987464	0.984493	0	0	0	0	0	0
0.910692	0.98517	0.03	0	0	0	0	0
0.992012	0.989559	0	0	0	0	0	0
0.992912	0.993337	0	0	0	0	0	0
0.017905	0.030203	0	0	0	0	0	0
0.051479	0.096481	0	0	0	0	0	0
0.985463	0.968662	0	0	0	0	0	0
0.987117	0.979476	0	0	0	0	0	0
0.989581	0.985578	0	0	0	0	0	0
0.989702	0.988103	0	0	0	0	0	0
0.990373	0.99084	0	0	0	0	0	0
0.992119	0.99206	0	0	0	0	0	0
0.021436	0.051353	0	0	0	0	0	0
0.975097	0.946107	0	0	0	0	0	0
0.986651	0.983959	0	0	0	0	0	0
0.99455	0.942608	0	0	0	0	0	0
0.996579	0.944198	0	0	0	0	0	0
0.981307	0.942702	0	0	0	0	0	0
0.938265	0.866877	0	0	0	0	0	0
0.99755	0.989167	0	0	2	0	0	0
0.975555	0.96984	0	0	0	0	0	0
0.966448	0.979298	0	0	0	0	0	0
0.989461	0.99234	0	0	0	0	0	0
0.492627	0.377192	0	0	0	0	0	0
0.944083	0.943172	0	0	0	0	0	0
0.998287	0.99933	0	0	0	0	0	0
0.998513	0.997801	0	0	0	0	0	0
0.994789	0.999517	0	0	0	0	0	0
0.987669	0.985847	0	0	0	0	0	0
0.987166	0.991065	0	0	0	0	0	0
0.991719	0.974179	0	0	0	0	0	0
0.947277	0.96504	0	0	0	0	0	0

0.957351	0.954072	0	0	0	0	0	0
0.948928	0.966565	0	0	0	0	0	0
0.946369	0.982487	0	0	0	0	0	0
0.962985	0.993049	0	0	0	0	0	0
0.954667	0.95949	0	0	0	0	0	0
0.917903	0.988794	0	0	0	0	0	0
0.989903	0.989406	0	0	0	0	0	0
0.991558	0.993894	0	0	0	0	0	0
0.992878	0.982769	0	0	0	0	0	0
0.991062	0.995532	0	0	0	0	0	0
0.932236	0.800744	0	0	0	0	0	0
0.973565	0.932366	0	0	0	0	0	0
0.971979	0.970135	0	0	0	0	0	0
0.268902	0.058655	0.01	0	0	0	0	0
0.980656	0.95997	0	0	0	0	0	0
0.278665	0.092558	0	0	0	0	0	0
0.982951	0.969779	0	0	0	0	0	0
0.988004	0.978757	0	0	0	0	0	0
0.951525	0.941663	0	0	0	0	0	0
0.988569	0.954524	0	0	0	0	0	0
0.954677	0.992234	0	0	0	0	0	0
0.021088	0.01438	0	0	0	0	0	0
0.9976	0.98105	0	0	0	0	0	0
0.99897	0.991086	0	0	0	0	0	0
0.998801	0.997163	0	0	0	0	0	0
0.998965	0.997228	0	0	0	0	0	0
0.990067	0.976914	0	0	0	0	0	0
0.015511	0.015615	0	0	0	0	0	0
0.988083	0.992738	0	0	0	0	0	0
0.006608	0.004353	0	0	0	0	0	0
0.006449	0.009743	0	0	0	0	0	0
0.982791	0.968036	0	0	0	0	0	0
0.994665	0.989291	0	0	0	0	0	0
0.961104	0.475894	0.3	0	0	0	0	0
0.974269	0.907761	0	0	0	0	0	0
0.935255	0.918938	0	0	0	0	0	0
0.961153	0.95745	0	0	0	0	0	0
0.036485	0.057721	0	0	0	0	0	0
0.972622	0.97933	0	0	0	0	0	0
0.205061	0.448609	0	0	0	0	0	0
0.993886	0.996622	0	0	0	0	0	0
0.676963	0.661653	0	0	0	0	0	0
0.039828	0.031499	0	0	0	0	0	0
0.996628	0.991012	0	0	0	0	0	0
0.995825	0.993529	0	0	0	0	0	0
0.009578	0.012357	0	0	0	0	0	0
0.965954	0.890425	0	0	0	0	0	0

0.076589	0.104275	0	0	0	0	0	0
0.050088	0.038311	0	0	0	0	0	0
0.99621	0.996971	0	0	0	0	0	0
0.998587	0.993936	0	0	0	0	0	0
0.337537	0.633115	0.23	0	0	0	0	0
0.995785	0.981971	0	0	0	0	0	0
0.995837	0.995866	0	0	0	0	0	0
0.996584	0.973173	0	0	0	0	0	0
0.995001	0.985856	0	0	0	0	0	0
0.991516	0.982248	0	0	0	0	0	0
0.950355	0.9849	0	0	0	0	0	0
0.996732	0.981723	0	0	0	0	0	0
0.974791	0.972144	0	0	0	0	0	0
0.978954	0.94161	0	0	0	0	0	0
0.060191	0.108313	0	0	0	0	0	0
0.9581	0.937699	0	0	0	0	0	0
0.977854	0.940629	0	0	0	0	0	0
0.961544	0.944618	0	0	0	0	0	0
0.952461	0.938691	0	0	0	0	0	0
0.952616	0.946881	0	0	0	0	0	0
0.937581	0.942386	0	0	0	0	0	0
0.952447	0.937723	0	0	0	0	0	0
0.867749	0.854289	0	0	0	0	0	0
0.962504	0.971039	0	0	0	0	0	0
0.928263	0.879637	0	0	0	0	0	0
0.887365	0.931834	0	0	0	0	0	0
0.970343	0.971558	0	0	0	0	0	0
0.974466	0.964937	0	0	0	0	0	0
0.994259	0.991489	0	0	0	0	0	0
0.99481	0.994034	0	0	0	0	0	0
0.997905	0.997421	0	0	0	0	0	0
0.995638	0.985381	0	0	0	0	0	0
0.989714	0.993067	0	0	0	0	0	0
0.98329	0.992538	0	0	0	0	0	0
0.870387	0.94282	0	0	0	0	0	0
0.11996	0.136739	0	0	0	0	0	0
0.959991	0.932481	0	0	0	0	0	0
0.987182	0.987714	0	0	0	0	0	0
0.985507	0.990468	0	0	0	0	0	0
0.980129	0.977094	0	0	0	0	0	0
0.200464	0.204666	0	0	0	0	0	0
0.491122	0.551019	0	0	0	0	0	0
0.081167	0.10541	0	0	0	0	0	0
0.489309	0.651548	0	0	0	0	0	0
0.949319	0.942514	0	0	0	0	0	0
0.99154	0.970708	0	0	0	0	0	0
0.99678	0.992855	0	0	0	0	0	0

0.977201	0.976874	0	0	0	0	0	0
0.986708	0.979169	0	0	0	0	0	0
0.987036	0.988538	0	0	0	0	0	0
0.970786	0.908252	0	0	0	0	0	0
0.990944	0.976013	0	0	0	0	0	0
0.990867	0.989882	0	0	0	0	0	0
0.049606	0.057844	0	0	0	0	0	0
0.845097	0.750958	0	0	0	0	0	0
0.994704	0.990157	0	0	0	0	0	0
0.997519	0.995219	0	0	0	0	0	0
0.998653	0.998437	0	0	0	0	0	0
0.99857	0.998194	0	0	0	0	0	0
0.996994	0.998619	0	0	0	0	0	0
0.997326	0.988639	0	0	0	0	0	0
0.991277	0.9948	0	0	0	0	0	0
0.995337	0.993967	0	0	0	0	0	0
0.987686	0.981281	0	0	0	0	0	0
0.589034	0.292065	0.08	0	0	0	0	0
0.988987	0.984151	0	0	0	0	0	0
0.989242	0.984236	0	0	0	0	0	0
0.987345	0.964599	0	0	0	0	0	0
0.035233	0.101344	0	0	0	0	0	0
0.953821	0.941399	0	0	0	0	0	0
0.031581	0.047384	0	0	0	0	0	0
0.899619	0.966587	0	0	0	0	0	0
0.970324	0.966444	0	0	0	0	0	0
0.969574	0.971689	0	0	0	0	0	0
0.975535	0.972533	0	0	0	0	0	0
0.980419	0.975785	0	0	0	0	0	0
0.983405	0.968366	0	0	0	0	0	0
0.117256	0.210539	0	0	0	0	0	0
0.985295	0.967197	0	0	0	0	0	0
0.970607	0.956542	0	0	0	0	0	0
0.977403	0.84783	0.01	0	0	0	0	0
0.990042	0.955992	0	0	0	0	0	0
0.043197	0.050442	0	0	0	0	0	0
0.038748	0.014983	0	0	0	0	0	0
0.065645	0.020731	0	0	0	0	0	0
0.976976	0.992224	0	0	0	0	0	0
0.981529	0.927936	0	0	0	0	0	0
0.984154	0.994905	0	0	0	0	0	0
0.982741	0.9898	0	0	0	0	0	0
0.987174	0.993625	0	0	0	0	5	4
0.978688	0.982664	0	0	0	0	0	0
0.985228	0.986543	0	0	0	0	0	0
0.995609	0.995635	0	0	0	0	0	0
0.996517	0.998481	0	0	0	0	0	0

0.995704	0.994367	0	0	0	0	0	0
0.996135	0.996572	0	0	0	0	0	0
0.995503	0.994083	0	0	0	0	0	0
0.981773	0.98071	0	0	0	0	0	0
0.054312	0.035909	0	0	0	0	0	0
0.971914	0.983022	0	0	0	0	0	0
0.983955	0.981578	0	0	0	0	0	0
0.981916	0.984397	0	0	0	0	0	0
0.961359	0.967936	0	0	0	0	0	0
0.994526	0.9855	0.01	0	0	0	0	0
0.736399	0.752807	0	0	0	0	0	0
0.965264	0.944782	0	0	0	0	0	0
0.988866	0.983736	0	0	0	0	0	0
0.996229	0.929218	0	0	0	0	0	0
0.994153	0.992169	0	0	0	0	0	0
0.993669	0.971767	0	0	0	0	0	0
0.94477	0.858931	0	0	0	0	0	0
0.996981	0.996257	0	0	0	0	0	0
0.991831	0.907249	0.01	0	0	0	0	0
0.9792	0.954919	0	0	0	0	0	0
0.983348	0.964642	0	0	0	0	0	0
0.975227	0.952144	0	0	0	0	0	0
0.215238	0.379318	0	0	0	0	0	0
0.998596	0.992127	0	0	0	0	0	0
0.999618	0.99542	0	0	0	0	0	0
0.996711	0.993767	0	0	0	0	0	0
0.997611	0.978134	0	0	0	0	0	0
0.320428	0.32066	0	0	0	4	0	0
0.317144	0.255062	0	0	0	6	1	0
0.995219	0.94915	0.01	0	0	0	0	0
0.989528	0.974953	0	8	4	0	1	1
0.033152	0.144239	0.14	0	0	18	0	0
0.834435	0.707008	0.05	0	0	20	0	0
0.992151	0.986359	0	0	0	0	0	0
0.990615	0.989634	0	0	0	0	0	0
0.99413	0.996537	0	0	0	0	0	0
0.987062	0.982199	0	0	0	0	0	0
0.992502	0.972662	0	0	0	0	0	0
0.983656	0.971824	0	0	0	0	0	0
0.148342	0.406147	0.12	0	0	0	0	0
0.987975	0.992487	0	0	0	0	0	0
0.978329	0.971469	0	0	0	0	0	0
0.99743	0.980808	0	0	0	0	0	0
0.997246	0.998387	0	0	0	0	0	0
0.991929	0.986222	0	0	0	0	0	0
0.043657	0.046252	0	0	0	0	0	0
0.012737	0.03576	0	0	0	0	0	0

0.987804	0.906495	0	0	0	0	0	0
0.981586	0.922633	0	0	0	0	0	0
0.042797	0.072807	0	0	0	0	0	0
0.991177	0.984425	0	0	0	0	0	0
0.993029	0.992549	0	0	0	0	0	0
0.989937	0.990095	0	0	0	0	0	0
0.912134	0.90799	0	0	0	0	0	0
0.999392	0.999698	0	0	0	0	0	0
0.999294	0.999217	0	0	0	0	0	0
0.999437	0.995896	0	0	0	0	0	0
0.998837	0.999454	0	0	0	0	0	0
0.998946	0.995854	0	0	0	0	0	0
0.998325	0.989108	0	0	0	0	0	0
0.998565	0.991638	0	0	0	0	0	0
0.997761	0.989083	0	0	0	0	0	0
0.983477	0.978178	0	0	0	0	0	0
0.984454	0.991	0	0	0	0	0	0
0.991569	0.983851	0	0	0	0	0	0
0.958584	0.947311	0	0	0	0	0	0
0.936376	0.944056	0	0	0	0	0	0
0.047955	0.110442	0	0	0	0	0	0
0.9621	0.970352	0	0	0	0	0	0
0.974782	0.95323	0	0	0	0	0	0
0.978489	0.95868	0	0	0	0	0	0
0.978	0.936206	0	0	0	0	0	0
0.942058	0.978949	0	0	0	0	0	0
0.937531	0.944547	0	0	0	0	0	0
0.092281	0.04116	0	0	0	0	0	0
0.997479	0.996223	0	0	0	0	0	0
0.980542	0.833027	0.09	0	0	0	0	0
0.993736	0.92576	0.03	0	0	0	0	0
0.941705	0.970111	0	0	0	0	0	0
0.941087	0.970816	0	0	0	0	0	0
0.024682	0.069376	0	0	0	0	0	0
0.002486	0.01211	0	0	0	0	0	0
0.990984	0.954411	0	0	0	0	0	0
0.985298	0.910547	0	0	0	0	0	0
0.971781	0.8935	0	0	0	0	0	0
0.472428	0.272164	0.01	0	0	0	0	0
0.982681	0.95855	0	0	0	0	0	0
0.007946	0.020008	0	0	0	0	0	0
0.995748	0.973603	0	0	0	0	0	0
0.008663	0.033876	0	0	0	0	0	0
0.991678	0.959752	0	0	0	0	0	0
0.07361	0.233413	0.01	0	0	0	0	0
0.006926	0.015235	0	0	0	0	0	0
0.020362	0.064249	0	0	0	0	0	0

0.01273	0.038182	0	0	0	0	0	0
0.007374	0.032317	0	0	0	0	0	0
0.990153	0.990684	0	0	0	0	0	0
0.997441	0.942687	0	0	0	0	0	0
0.997695	0.945078	0	0	0	0	0	0
0.002867	0.020177	0	0	0	0	0	0
0.017016	0.052134	0	0	0	0	0	0
0.042147	0.045349	0	0	0	0	0	0
0.999065	0.993317	0	0	0	0	0	0
0.978213	0.806394	0.05	0	0	0	0	0
0.059844	0.037127	0	0	0	0	0	0
0.95986	0.977744	0	0	0	0	0	0
0.959088	0.976094	0	0	0	0	0	0
0.974691	0.982912	0	0	0	0	0	0
0.944331	0.967962	0	0	0	0	0	0
0.965309	0.973655	0	0	0	0	0	0
0.065603	0.039061	0	0	0	0	0	0
0.058581	0.064182	0	0	0	0	0	0
0.958887	0.80804	0	0	0	0	0	0
0.983841	0.985009	0	0	0	0	0	0
0.981387	0.98936	0	0	0	0	0	0
0.962669	0.93546	0	0	0	0	0	0
0.981477	0.97306	0	0	0	0	0	0
0.935178	0.972591	0	0	0	0	0	0
0.952712	0.732805	0	0	3	0	0	0
0.965191	0.984438	0	0	6	0	0	0
0.963222	0.992834	0	0	0	0	0	0
0.935466	0.97259	0	0	0	0	0	0
0.936933	0.976859	0	0	0	0	0	0
0.956592	0.947093	0	0	0	0	0	0
0.951081	0.954362	0	0	0	0	0	0
0.9856	0.972151	0	0	0	0	0	0
0.990792	0.975805	0	0	0	0	0	0
0.986552	0.956637	0	0	0	0	0	0
0.991069	0.990215	0	0	0	0	0	0
0.992168	0.990586	0	0	0	0	0	0
0.986959	0.990294	0	0	0	0	0	0
0.989094	0.97233	0	0	0	0	0	0
0.049737	0.05646	0	0	0	0	0	0
0.995176	0.987067	0	0	0	0	0	0
0.988685	0.963736	0	0	0	0	0	0
0.053929	0.056072	0	0	0	0	0	0
0.021805	0.041772	0	0	0	0	0	0
0.984967	0.976798	0	0	0	0	0	0
0.986074	0.985524	0	0	0	0	0	0
0.097192	0.128948	0	0	0	0	0	0
0.989002	0.988554	0	0	0	0	0	0

0.9889	0.987411	0	0	0	0	0	0
0.02413	0.037739	0	0	3	0	0	0
0.990256	0.98256	0	0	0	0	0	0
0.984238	0.961231	0	0	3	0	0	0
0.96066	0.981928	0	0	0	0	0	0
0.023469	0.038673	0	0	0	0	0	0
0.982683	0.972442	0	0	0	0	0	0
0.979821	0.977797	0	0	0	0	0	0
0.031614	0.030286	0	0	0	0	0	0
0.987566	0.976998	0	0	0	0	0	0
0.020555	0.031299	0	0	0	0	0	0
0.980647	0.976301	0	0	0	0	0	0
0.578125	0.894679	0.12	0	0	0	0	0
0.933044	0.976275	0	0	0	0	0	0
0.042821	0.059315	0	0	0	0	0	0
0.65484	0.826779	0	0	0	0	0	0
0.010021	0.013123	0	0	0	0	0	0
0.937995	0.949104	0	0	0	0	0	0
0.996364	0.987196	0	0	0	0	0	0
0.941268	0.949476	0	0	0	0	0	0
0.934242	0.917179	0	0	0	0	0	0
0.988203	0.980576	0	0	0	0	0	0
0.99048	0.973694	0	0	0	0	0	0
0.995335	0.989964	0	0	0	0	0	0
0.995971	0.994656	0	0	0	0	0	0
0.991881	0.892085	0	0	0	0	0	0
0.993748	0.983749	0	0	0	0	0	0
0.983485	0.89347	0.01	0	0	0	0	0
0.973431	0.949318	0	0	0	0	0	0
0.977859	0.983444	0	0	0	0	0	0
0.03452	0.029309	0	0	0	0	0	0
0.967648	0.892988	0	0	0	0	0	0
0.969854	0.941408	0	0	0	0	0	0
0.955512	0.957549	0	0	0	0	0	0
0.945139	0.77745	0	0	0	0	0	0
0.76923	0.691148	0	0	0	0	0	0
0.949082	0.981272	0	0	0	0	0	0
0.942921	0.955819	0	0	0	0	0	0
0.952262	0.98397	0	0	0	0	0	0
0.967449	0.937529	0	0	0	0	0	0
0.981997	0.944595	0	0	0	0	0	0
0.982672	0.960918	0	0	0	0	0	0
0.978319	0.951916	0	0	0	0	0	0
0.982252	0.97411	0	0	0	0	0	0
0.989425	0.980904	0	0	0	0	0	0
0.990711	0.98833	0	0	0	0	0	0
0.993967	0.994585	0	0	0	0	0	0

0.995632	0.997316	0	0	0	0	0	0
0.992419	0.991777	0	0	0	0	0	0
0.997109	0.996608	0	0	0	0	0	0
0.997492	0.994897	0	0	0	0	0	0
0.99823	0.930986	0.02	0	0	0	0	0
0.011221	0.009803	0	0	0	0	0	0
0.870435	0.879538	0	0	0	0	0	0
0.820858	0.83865	0	0	0	0	0	0
0.899389	0.876633	0	0	0	0	0	0
0.858416	0.935421	0	0	0	0	0	0
0.979276	0.980074	0	0	0	0	0	0
0.612004	0.87996	0	0	0	0	0	0
0.965441	0.955495	0	0	0	0	0	0
0.992471	0.989234	0	0	0	0	0	0
0.996898	0.987222	0	0	0	0	0	0
0.005263	0.014854	0	0	0	0	0	0
0.996944	0.992944	0	0	0	0	0	0
0.997214	0.948148	0.01	0	0	0	0	0
0.995914	0.990593	0	0	0	0	0	0
0.007429	0.05417	0	0	0	0	0	0
0.991722	0.97681	0	0	0	0	0	0
0.993793	0.989697	0	0	0	0	0	0
0.991935	0.988406	0	0	0	0	0	0
0.993738	0.990733	0	0	0	0	0	0
0.013652	0.04222	0	0	0	0	0	0
0.013893	0.024217	0	0	0	0	0	0
0.981349	0.97366	0	0	0	0	0	0
0.004667	0.007445	0	0	0	0	0	0
0.998753	0.996133	0	0	0	0	0	0
0.998895	0.99625	0	0	0	0	0	0
0.998392	0.998003	0	0	0	0	0	0
0.999005	0.996011	0	0	0	0	0	0
0.997338	0.99689	0	0	0	0	0	0
0.998454	0.997667	0	0	0	0	0	0
0.999135	0.997854	0	0	0	0	0	0
0.998444	0.998902	0	0	0	0	0	0
0.998973	0.997293	0	0	0	0	0	0
0.999435	0.999227	0	0	0	0	0	0
0.991437	0.979255	0	0	0	0	0	0
0.995576	0.993195	0	0	0	0	0	0
0.984208	0.982087	0	0	0	0	0	0
0.029844	0.052701	0	0	0	0	0	0
0.986207	0.872677	0.04	0	0	0	0	0
0.039812	0.023047	0	0	0	0	0	0
0.215997	0.135947	0	0	0	0	0	0
0.9457	0.928977	0	0	0	0	0	0
0.914122	0.950507	0	0	0	0	0	0

0.997916	0.996914	0	0	0	0	0	0
0.993196	0.992871	0	0	0	0	0	0
0.98366	0.90823	0.06	0	0	0	0	0
0.98089	0.999666	0.01	0	0	0	4	4
0.858936	0.8534	0	0	0	0	0	0
0.990008	0.942301	0	0	0	0	0	0
0.984988	0.952749	0	0	0	0	0	0
0.959126	0.969204	0	0	0	0	0	0
0.989089	0.994482	0	0	0	0	0	0
0.995668	0.982284	0	0	0	0	0	0
0.065748	0.125711	0	0	0	0	0	0
0.960082	0.973411	0	0	0	0	0	0
0.228166	0.086029	0	0	0	0	0	0
0.94484	0.935977	0	0	0	0	0	0
0.053393	0.182434	0.02	0	0	0	0	0
0.942361	0.968562	0	0	0	0	0	0
0.036216	0.019985	0	0	0	0	0	0
0.982351	0.984864	0	0	0	0	0	0
0.986379	0.990402	0	0	0	0	0	0
0.025214	0.014696	0	0	0	0	0	0
0.663615	0.305554	0.14	0	0	0	0	0
0.984431	0.972073	0	0	0	0	0	0
0.92204	0.893988	0	0	0	0	0	0
0.955796	0.868555	0	0	0	0	0	0
0.985796	0.994516	0	0	0	0	0	0
0.972193	0.992393	0.02	0	0	0	0	0
0.986277	0.957104	0	0	0	0	0	0
0.845988	0.70707	0	0	0	0	0	0
0.037171	0.046923	0	0	0	0	0	0
0.98516	0.979606	0	0	0	0	0	0
0.022743	0.024758	0	0	0	0	0	0
0.03374	0.063333	0	0	0	0	0	0
0.963705	0.934371	0	0	0	0	0	0
0.986135	0.985173	0	0	0	0	0	0
0.979118	0.987921	0	0	0	0	0	0
0.992504	0.993641	0	0	0	0	0	0
0.995668	0.995253	0	0	0	0	0	0
0.991236	0.994269	0	0	0	0	0	0
0.0171	0.010452	0	0	0	0	0	0
0.018555	0.016069	0	0	0	0	0	0
0.991344	0.98959	0	0	0	0	0	0
0.991446	0.984516	0	0	0	0	0	0
0.991909	0.984455	0	0	0	0	0	0
0.98018	0.973658	0	0	0	0	0	0
0.984533	0.979259	0	0	0	0	0	0
0.978089	0.959719	0	0	0	0	0	0
0.952215	0.970791	0	0	0	0	0	0

0.943046	0.468963	0.13	0	0	0	0	0
0.810367	0.71745	0	0	0	0	0	0
0.929396	0.809596	0	0	0	0	0	0
0.997199	0.995345	0	0	0	0	0	0
0.982729	0.987035	0	0	0	0	0	0
0.979714	0.970006	0	0	0	0	0	0
0.98415	0.972607	0	0	0	0	0	0
0.860121	0.896884	0	0	0	0	0	0
0.962625	0.935216	0	0	0	0	0	0
0.979675	0.962158	0	0	0	0	0	0
0.964471	0.97195	0	0	0	0	0	0
0.979188	0.976964	0	0	0	0	0	0
0.925988	0.880932	0	0	0	0	0	0
0.971997	0.917282	0	0	0	0	0	0
0.980237	0.892054	0	0	0	0	0	0
0.981415	0.970316	0	0	0	0	0	0
0.974261	0.932491	0	0	0	0	0	0
0.920297	0.944903	0	0	0	0	0	0
0.989374	0.984368	0	0	0	0	0	0
0.134151	0.224901	0	0	0	0	0	0
0.98893	0.979404	0	0	0	0	0	0
0.942732	0.899171	0	0	0	0	0	0
0.011976	0.019925	0	0	0	0	0	0
0.678261	0.731063	0	0	0	0	0	0
0.986595	0.933921	0	0	0	0	0	0
0.987701	0.962007	0	0	0	0	0	0
0.025278	0.023744	0	0	0	0	0	0
0.857401	0.627976	0	0	0	0	0	0
0.998561	0.998865	0	0	0	0	0	0
0.997791	0.99308	0	0	0	0	0	0
0.069721	0.050847	0	0	0	0	0	0
0.99366	0.954421	0	0	0	0	0	0
0.986708	0.980913	0	0	0	0	0	0
0.044669	0.074551	0	1	0	0	0	0
0.96092	0.947491	0	1	0	0	0	0
0.962536	0.947034	0	0	0	0	0	0
0.964695	0.635738	0.11	0	0	0	0	0
0.981313	0.984049	0	0	0	0	0	0
0.973951	0.965533	0	0	0	0	0	0
0.053993	0.060915	0	0	0	0	0	0
0.874217	0.801048	0	0	0	0	0	0
0.813166	0.951805	0	0	0	0	0	0
0.642483	0.570882	0	10	0	0	0	0
0.015825	0.007783	0	0	0	0	0	0
0.997889	0.996011	0	0	0	0	0	0
0.997868	0.999318	0	0	0	0	0	0
0.996856	0.997826	0	0	0	0	0	0

0.011054	0.062815	0.01	0	2	1	0	0
0.915866	0.881661	0	1	1	0	0	0
0.990416	0.98848	0	0	0	0	0	0
0.838272	0.877765	0	0	14	7	0	0
0.882977	0.918547	0	0	14	0	0	0
0.723503	0.829345	0	0	14	4	5	5
0.686577	0.81055	0.01	0	14	32	1	1
0.726444	0.819344	0	0	14	0	0	0
0.702367	0.580952	0	0	14	0	0	0
0.755881	0.822947	0	0	14	0	0	0
0.6423	0.51283	0.02	0	14	0	6	6
0.737284	0.622486	0	0	14	7	10	10
0.811368	0.838822	0	0	14	0	0	0
0.893991	0.779603	0.04	0	0	0	0	0
0.877326	0.855356	0	0	0	0	0	0
0.020873	0.011219	0	0	0	0	0	0
0.99404	0.965876	0	0	0	2	5	5
0.774109	0.796127	0	5	0	0	0	0
0.911895	0.881091	0	0	0	4	0	0
0.999042	0.99717	0	0	0	0	0	0
0.660722	0.72297	0	0	0	2	0	0
0.488876	0.43399	0	0	0	1	0	0
0.776958	0.796191	0	0	0	0	3	3
0.983861	0.967503	0	3	0	0	0	0
0.997998	0.998459	0	0	0	0	0	0
0.990971	0.985554	0	0	5	0	0	0
0.960302	0.957868	0	0	0	4	0	0
0.928785	0.751656	0.12	0	0	0	0	0
0.931298	0.764263	0.11	0	0	2	0	0
0.998479	0.993537	0	0	0	0	0	0
0.971274	0.944939	0	0	0	0	0	0
0.985254	0.951389	0	0	0	0	0	0
0.983665	0.966812	0	0	0	0	0	0
0.968736	0.965527	0	0	0	0	0	0
0.983162	0.956895	0	0	0	0	0	0
0.972995	0.954649	0	0	0	0	0	0
0.978378	0.948168	0	0	0	0	0	0
0.981557	0.971556	0	0	0	0	0	0
0.044969	0.174848	0	0	0	0	0	0
0.95274	0.935346	0	0	0	0	0	0
0.915676	0.918398	0	0	0	0	0	0
0.984799	0.982787	0	0	0	0	0	0
0.983134	0.986696	0	0	0	0	0	0
0.981827	0.977699	0	0	0	0	0	0
0.949321	0.975273	0	0	0	0	0	0
0.986314	0.984571	0	0	0	0	0	0
0.968724	0.966817	0	0	0	0	0	0

0.947896	0.945577	0	0	0	0	0	0
0.956157	0.976594	0	0	0	0	0	0
0.969501	0.984282	0	0	0	0	0	0
0.986686	0.972779	0	0	0	0	0	0
0.979597	0.971485	0	0	0	0	0	0
0.970692	0.971506	0	0	0	0	0	0
0.992768	0.990696	0	0	0	0	0	0
0.979164	0.989631	0	0	0	0	0	0
0.988222	0.974276	0	0	0	0	0	0
0.983644	0.974428	0	0	0	0	0	0
0.039013	0.034217	0	0	0	0	0	0
0.032156	0.022847	0	0	0	0	0	0
0.976923	0.990041	0	0	0	0	0	0
0.052968	0.064063	0	0	0	0	0	0
0.055874	0.058651	0	0	0	0	0	0
0.970199	0.962942	0	0	0	0	0	0
0.825834	0.758659	0	0	0	0	0	0
0.741271	0.340423	0.3	0	0	0	0	0
0.998355	0.980738	0	0	0	0	0	0
0.831465	0.306773	0.32	0	0	0	0	0
0.995667	0.997442	0	0	0	0	0	0
0.932493	0.933614	0	0	0	0	0	0
0.926651	0.958534	0	0	0	0	0	0
0.004684	0.00217	0	0	0	0	0	0
0.988586	0.988988	0	0	0	0	0	0
0.996155	0.987844	0.01	0	0	0	0	0
0.879286	0.764326	0	0	0	0	0	0
0.08523	0.022852	0.01	0	0	0	0	0
0.064031	0.075661	0	0	0	0	0	0
0.985389	0.96599	0	0	0	0	0	0
0.995985	0.996852	0	0	0	0	0	0
0.996697	0.996833	0	0	0	0	0	0
0.997682	0.992157	0	0	0	0	0	0
0.98906	0.986394	0	0	0	0	0	0
0.997462	0.997735	0	0	0	0	0	0
0.964037	0.938411	0	0	0	0	0	0
0.994003	0.997302	0	0	0	0	0	0
0.78313	0.863771	0	0	0	0	0	0
0.986117	0.996585	0	0	0	0	0	0
0.992352	0.950391	0	0	0	0	0	0
0.989954	0.955223	0	0	0	0	0	0
0.981049	0.935148	0	0	0	0	0	0
0.989062	0.955594	0	0	0	0	0	0
0.915688	0.956054	0	0	0	0	0	0
0.982562	0.972515	0	0	0	0	0	0
0.974869	0.934232	0	0	0	0	0	0
0.993511	0.978109	0	0	0	0	0	0

0.992517	0.978553	0	0	0	0	0	0
0.818929	0.676252	0	0	0	0	0	0
0.953158	0.870271	0	0	0	0	0	0
0.943036	0.964328	0	0	0	0	0	0
0.945732	0.964791	0	0	0	0	0	0
0.989872	0.987162	0	0	0	0	0	0
0.980473	0.993278	0	0	0	0	0	0
0.094044	0.067319	0	0	0	0	0	0
0.992824	0.987836	0	0	0	0	0	0
0.992169	0.943467	0	0	0	0	0	0
0.965637	0.92728	0	0	0	0	0	0
0.894334	0.801103	0	0	0	0	0	0
0.989904	0.981084	0	0	0	0	0	0
0.99258	0.99429	0	0	0	0	0	0
0.996752	0.990539	0	0	0	0	0	0
0.997837	0.992707	0	0	0	0	0	0
0.997106	0.995769	0	0	0	0	0	0
0.999002	0.995974	0	0	0	0	0	0
0.999248	0.998116	0	0	0	0	0	0
0.984359	0.985749	0	0	0	0	0	0
0.995015	0.995283	0	0	0	0	0	0
0.99892	0.994734	0	0	0	0	0	0
0.99645	0.997565	0	0	0	0	0	0
0.984733	0.972875	0	0	0	0	0	0
0.984273	0.977804	0	0	0	0	0	0
0.986201	0.989645	0	0	0	0	0	0
0.98924	0.993021	0	0	0	0	0	0
0.987918	0.978177	0	0	0	0	0	0
0.019888	0.012895	0	0	0	0	0	0
0.021196	0.017217	0	0	0	0	0	0
0.991946	0.99093	0	0	0	0	0	0
0.026084	0.010362	0	0	0	0	0	0
0.975068	0.990884	0	0	0	0	0	0
0.976963	0.973191	0	0	0	0	0	0
0.965924	0.988427	0	0	0	0	0	0
0.982548	0.986495	0	0	0	0	0	0
0.993256	0.988334	0	0	0	0	0	0
0.991945	0.995709	0	0	0	0	0	0
0.983065	0.994419	0	0	0	0	0	0
0.991862	0.983984	0	0	0	0	0	0
0.984023	0.986222	0	0	0	0	0	0
0.992528	0.789635	0.14	0	0	0	0	0
0.996485	0.997766	0	0	0	0	0	0
0.992349	0.998338	0	0	0	0	3	5
0.83337	0.298568	0.31	0	0	0	15	15
0.993708	0.998007	0	0	0	0	0	0
0.117056	0.076857	0	0	0	0	0	0

0.161656	0.284686	0	0	12	12	2	2
0.055756	0.178985	0.03	7	7	9	9	9
0.961374	0.96357	0	0	0	0	0	0
0.137973	0.174515	0	0	0	0	0	0
0.009783	0.022371	0	0	0	0	0	0
0.05661	0.179194	0.02	0	0	11	0	0
0.169663	0.203593	0	0	0	0	0	0
0.995381	0.996288	0	0	0	0	0	0
0.012773	0.041499	0	0	0	0	0	0
0.997159	0.997828	0	0	0	0	0	0
0.033432	0.007011	0	0	0	0	0	0
0.022624	0.013152	0	0	0	0	0	0
0.986609	0.999053	0	0	0	0	0	0
0.997663	0.996222	0	0	0	0	0	0
0.199681	0.306973	0	0	0	0	7	7
0.029348	0.219142	0.05	0	1	0	0	0
0.996602	0.996899	0	0	0	0	0	0
0.982138	0.947622	0	0	0	0	0	0
0.298254	0.162515	0	0	0	0	0	0
0.964281	0.977736	0	0	0	0	0	0
0.963144	0.973256	0	0	0	0	0	0
0.001484	0.001062	0	0	0	0	0	0
0.001594	0.005872	0	0	0	0	0	0
0.00152	0.001134	0	0	0	0	0	0
0.964576	0.9099	0	0	0	0	0	0
0.003284	0.002978	0	0	0	0	0	0
0.971824	0.985864	0	0	0	0	0	0
0.122153	0.085155	0	0	0	0	0	0
0.954428	0.955273	0	0	0	0	0	0
0.977298	0.962669	0	0	0	0	0	0
0.045903	0.101681	0	0	0	0	0	0
0.981793	0.937679	0	0	0	0	0	0
0.036203	0.18739	0.03	0	0	0	0	0
0.118868	0.356347	0.07	0	0	0	0	0
0.859586	0.797761	0	0	0	0	0	0
0.017468	0.024201	0	0	0	0	0	0
0.989355	0.980016	0	0	0	0	0	0
0.989224	0.967013	0	0	0	0	0	0
0.992894	0.995489	0	0	0	0	0	0
0.989641	0.980121	0	0	0	0	0	0
0.991144	0.988815	0	0	0	0	0	0
0.0081	0.006054	0	0	0	0	0	0
0.997953	0.994468	0	0	0	0	0	0
0.007172	0.008588	0	0	0	0	0	0
0.997866	0.99656	0	0	0	0	0	0
0.997429	0.994565	0	0	0	0	0	0
0.984415	0.991106	0	0	0	0	0	0

0.993293	0.990873	0	0	0	0	0	0
0.991584	0.997827	0	0	0	0	0	0
0.990587	0.950736	0.01	0	0	0	0	0
0.081787	0.044463	0	0	0	0	0	0
0.887237	0.890332	0	0	0	0	0	0
0.607867	0.942148	0.07	0	0	0	0	0
0.279995	0.232745	0	0	0	0	0	0
0.931082	0.838892	0	0	0	0	0	0
0.986053	0.995396	0	0	0	0	0	0
0.995082	0.997589	0	0	0	0	0	0
0.055487	0.00275	0.02	0	0	0	0	0
0.992974	0.995873	0	0	0	0	0	0
0.117367	0.072048	0	0	0	0	0	0
0.00978	0.013796	0	0	0	0	0	0
0.99494	0.992514	0	0	0	0	0	0
0.970445	0.986621	0	0	0	0	0	0
0.977106	0.988374	0	0	0	0	0	0
0.0226	0.051315	0	0	0	0	0	0
0.994383	0.992709	0	0	0	0	0	0
0.020774	0.040086	0	0	0	0	0	0
0.034006	0.026126	0	0	0	0	0	0
0.032268	0.886791	0.71	0	0	0	0	0
0.34639	0.41985	0	0	0	0	0	0
0.964719	0.872941	0	0	0	0	0	0
0.552602	0.080468	0.17	0	0	0	4	4
0.858464	0.962192	0	0	0	0	0	0
0.958459	0.922461	0	0	0	0	0	0
0.937509	0.966129	0	0	0	0	0	0
0.948916	0.97882	0	0	0	0	0	0
0.96268	0.956112	0	0	0	0	0	0
0.967525	0.944384	0	0	0	0	0	0
0.378456	0.208548	0	0	0	0	0	0
0.027137	0.037541	0	0	0	0	0	0
0.739259	0.845176	0	0	0	0	0	0
0.991291	0.954938	0	0	0	0	0	0
0.993206	0.986132	0	0	0	0	0	0
0.994716	0.991911	0	0	0	0	0	0
0.974007	0.918962	0	0	0	0	0	0
0.984179	0.949095	0	0	0	0	0	0
0.99129	0.960298	0	0	0	0	0	0
0.996518	0.931576	0.02	0	0	0	0	0
0.009777	0.091244	0.02	0	0	0	0	0
0.974357	0.714989	0.17	0	0	0	0	0
0.998156	0.997077	0	0	0	0	4	0
0.998124	0.995449	0	0	0	0	0	0
0.99756	0.997009	0	0	0	0	0	0
0.9986	0.99864	0	0	0	0	0	0

0.104877	0.026282	0.01	0	10	7	1	1
0.971518	0.939342	0	0	0	0	0	0
0.973535	0.944019	0	0	0	0	0	0
0.967331	0.934578	0	0	0	0	0	0
0.983865	0.960968	0	0	0	0	0	0
0.990421	0.951731	0	0	0	0	0	0
0.987531	0.979428	0	0	0	0	0	0
0.993717	0.982463	0	0	0	0	0	0
0.997138	0.986652	0	0	0	0	0	0
0.996841	0.993652	0	0	0	0	0	0
0.997212	0.96496	0	0	0	0	0	0
0.99772	0.99569	0	0	0	0	0	0
0.002396	0.001893	0	0	0	0	0	0
0.553195	0.242316	0.15	0	0	1	0	0
0.208319	0.026783	0.14	8	0	1	0	0
0.894297	0.458035	0.34	0	0	0	0	0
0.986329	0.827545	0.04	0	0	0	0	0
0.18041	0.221936	0	0	0	0	0	0
0.948169	0.942145	0	0	0	0	0	0
0.945386	0.939492	0	0	0	0	0	0
0.955062	0.951157	0	0	0	0	0	0
0.956264	0.965002	0	0	0	0	0	0
0.95318	0.950598	0	0	0	0	0	0
0.998928	0.999631	0	0	0	0	0	0
0.997814	0.997482	0	0	0	0	0	0
0.992183	0.995657	0	0	0	0	0	0
0.979226	0.98875	0	0	0	0	0	0
0.069694	0.076521	0	0	0	0	0	0
0.988324	0.9832	0	0	0	0	0	0
0.018757	0.033839	0	0	0	0	0	0
0.974463	0.985345	0	0	0	0	0	0
0.986943	0.976758	0	0	0	0	0	0
0.980989	0.979052	0	0	0	0	0	0
0.986593	0.989125	0	0	0	0	0	0
0.841888	0.931431	0	0	0	0	0	0
0.9821	0.966221	0	0	0	0	0	0
0.983349	0.981989	0	0	0	0	0	0
0.987479	0.976323	0	0	0	0	0	0
0.996675	0.994905	0	0	0	0	0	0
0.020359	0.016984	0	0	0	0	0	0
0.04415	0.025392	0	0	0	0	0	0
0.98843	0.994894	0	0	0	0	0	0
0.968376	0.91975	0	0	0	0	0	0
0.973904	0.961871	0	0	0	0	0	0
0.964399	0.959138	0	0	0	0	0	0
0.98391	0.974349	0	0	0	0	0	0
0.134976	0.097018	0	0	0	0	0	0

0.611426	0.228521	0.1	0	0	0	0	0
0.495131	0.225996	0	0	0	0	0	0
0.028167	0.046768	0	0	0	0	0	0
0.759725	0.620348	0	0	0	0	0	0
0.240973	0.069606	0	0	0	0	0	0
0.997138	0.99113	0	0	0	0	0	0
0.885508	0.891427	0	0	0	0	0	0
0.034264	0.040069	0	0	0	0	0	0
0.997688	0.979293	0	0	0	0	0	0
0.026732	0.010238	0	0	0	0	0	0
0.458019	0.315772	0	0	0	0	0	0
0.286198	0.161918	0	0	0	0	0	0
0.998812	0.997804	0	0	0	0	0	0
0.996717	0.983988	0	0	0	0	0	0
0.99318	0.987979	0	0	0	0	0	0
0.991464	0.986696	0	0	0	0	0	0
0.993497	0.985724	0	0	0	0	0	0
0.031119	0.109907	0	0	0	0	0	0
0.9843	0.986873	0	0	0	0	0	0
0.790767	0.866836	0	0	0	0	0	0
0.977575	0.989833	0	0	0	0	0	0
0.835115	0.901249	0	0	0	0	0	0
0.987789	0.994445	0	0	0	0	0	0
0.980365	0.98067	0	0	0	0	0	0
0.986562	0.994046	0	0	0	0	0	0
0.904792	0.975429	0	0	0	0	0	0
0.36069	0.556976	0.01	0	0	0	0	0
0.4531	0.833919	0.14	0	0	0	0	0
0.969407	0.97323	0	0	0	0	0	0
0.981574	0.986151	0	0	0	0	0	0
0.272101	0.463447	0	0	0	0	0	0
0.978344	0.992732	0	0	0	0	0	0
0.992661	0.988311	0	1	0	0	0	0
0.98326	0.992994	0	0	0	0	0	0
0.990861	0.995192	0	0	0	0	0	0
0.995907	0.997013	0	0	0	0	0	0
0.996413	0.998115	0	0	0	0	0	0
0.750308	0.985802	0.16	0	0	0	0	0
0.959125	0.954998	0.01	0	0	0	0	0
0.996354	0.994113	0	0	0	0	0	0
0.979584	0.977957	0	0	0	0	0	0
0.041341	0.023044	0	0	0	0	4	0
0.990653	0.994871	0	0	0	0	0	0
0.994282	0.997086	0	0	0	0	0	0
0.994353	0.994697	0	0	0	0	0	0
0.996651	0.996993	0	0	0	0	0	0
0.987179	0.996047	0	0	0	0	0	0

0.990285	0.969903	0	0	0	0	0	0
0.993608	0.98801	0	0	0	0	0	0
0.980733	0.983722	0	0	0	0	0	0
0.980039	0.97753	0	0	0	0	0	0
0.941131	0.966791	0	0	0	0	0	0
0.175538	0.17966	0	0	0	0	0	0
0.895226	0.954354	0	0	0	0	0	0
0.974261	0.93245	0	0	0	0	0	0
0.968679	0.9684	0	0	0	0	0	0
0.899058	0.952	0	0	0	0	1	0
0.145734	0.173141	0	0	0	0	0	0
0.842247	0.964496	0	0	0	0	0	0
0.67703	0.239083	0.13	0	0	0	0	0
0.933532	0.947765	0	0	0	0	0	0
0.933813	0.940571	0	0	0	0	0	0
0.944386	0.817774	0	0	0	0	0	0
0.664503	0.657724	0	0	0	0	0	0
0.962316	0.913075	0	0	0	0	0	0
0.98546	0.978451	0	0	0	0	0	0
0.99042	0.989572	0	0	0	0	0	0
0.992376	0.987489	0	0	0	0	0	0
0.987849	0.967971	0	0	0	0	0	0
0.990698	0.993329	0	0	0	0	0	0
0.989947	0.992565	0	0	0	0	0	0
0.989504	0.988838	0	0	0	0	0	0
0.988114	0.972496	0	0	0	0	0	0
0.938714	0.9846	0	0	0	0	0	0
0.951449	0.945601	0	0	0	0	0	0
0.993235	0.980015	0	0	0	0	0	0
0.996018	0.98855	0	0	0	0	0	0
0.987278	0.931661	0	0	0	0	0	0
0.983985	0.945649	0	0	0	0	0	0
0.995658	0.990022	0	0	0	0	0	0
0.996354	0.988461	0	0	0	0	0	0
0.010528	0.055614	0	0	0	0	0	0
0.996346	0.972355	0	0	0	0	0	0
0.975173	0.977461	0	0	0	0	0	0
0.870531	0.979093	0	0	0	0	0	0
0.996615	0.986816	0	0	0	0	0	0
0.997095	0.990123	0	0	0	0	0	0
0.99638	0.988006	0	0	0	0	0	0
0.993722	0.987133	0	0	0	0	0	0
0.980082	0.973445	0	0	0	0	0	0
0.992624	0.962504	0	0	0	0	0	0
0.994085	0.985741	0	0	0	0	0	0
0.020273	0.046489	0	0	0	0	0	0
0.95055	0.82113	0.01	0	0	0	0	0

0.98879	0.946744	0	0	0	0	0	0
0.995317	0.992403	0	0	0	0	0	0
0.995274	0.969702	0	0	0	0	0	0
0.080994	0.210556	0	0	0	0	0	0
0.996295	0.991481	0	0	0	0	0	0
0.889762	0.888892	0	0	0	0	0	0
0.988844	0.981008	0	0	0	0	0	0
0.128604	0.065856	0	0	0	0	0	0
0.99309	0.969357	0	0	0	0	0	0
0.95807	0.953347	0	0	0	0	0	0
0.992655	0.972186	0	0	0	0	0	0
0.994964	0.981138	0	0	0	0	0	0
0.991671	0.975592	0	0	0	0	0	0
0.99507	0.972897	0	0	0	0	0	0
0.016812	0.080119	0	0	0	0	0	0
0.032848	0.071205	0	0	0	0	0	0
0.04588	0.186621	0.01	0	0	0	0	0
0.035714	0.01138	0	0	0	0	0	0
0.988509	0.991248	0	0	0	0	0	0
0.9853	0.980451	0	0	0	0	0	0
0.988324	0.988982	0	0	0	0	0	0
0.952223	0.989554	0	0	0	0	0	0
0.959491	0.991108	0	0	0	0	0	0
0.996885	0.985453	0	0	0	0	0	0
0.990752	0.986814	0	0	0	0	0	0
0.015991	0.060984	0	0	0	0	0	0
0.987978	0.986388	0	0	0	0	0	0
0.999652	0.999432	0	0	0	0	0	0
0.996393	0.997746	0	0	0	0	0	0
0.996146	0.9883	0	0	0	0	0	0
0.997055	0.994985	0	0	0	0	0	0
0.997159	0.998026	0	0	0	0	0	0
0.995968	0.997187	0	0	0	0	0	0
0.001853	0.000917	0	0	0	0	0	0
0.99834	0.999097	0	0	0	0	0	0
0.997752	0.998546	0	0	0	0	0	0
0.995948	0.994668	0	0	0	0	0	0
0.997652	0.995413	0	0	0	0	0	0
0.009564	0.043936	0	0	0	0	0	0
0.36078	0.402286	0	0	0	0	0	0
0.994593	0.993275	0	0	0	0	0	0
0.928859	0.958131	0	0	0	0	0	0
0.99013	0.989813	0	0	0	0	0	0
0.98635	0.990167	0	0	0	0	0	0
0.991385	0.957214	0	0	0	0	0	0
0.990516	0.990584	0	0	0	0	0	0
0.992691	0.977309	0	0	0	0	0	0

0.990067	0.97463	0	0	0	0	0	0
0.990301	0.973286	0	0	0	0	0	0
0.990061	0.986137	0	0	0	0	0	0
0.985182	0.9944	0	0	0	0	0	0
0.974151	0.861991	0.01	0	0	0	0	0
0.959332	0.881758	0	0	0	0	0	0
0.975377	0.965944	0	0	0	0	0	0
0.734577	0.846779	0	0	0	0	0	0
0.922801	0.85565	0	0	0	0	0	0
0.996935	0.994316	0	0	0	0	0	0
0.979247	0.951631	0	0	0	0	0	0
0.978076	0.949893	0	0	0	0	0	0
0.976371	0.952266	0	0	0	0	0	0
0.962294	0.989211	0	0	0	0	0	0
0.03567	0.042911	0	0	0	0	0	0
0.994906	0.978515	0	0	0	0	0	0
0.870544	0.828119	0	0	0	0	0	0
0.942355	0.956799	0	0	0	0	0	0
0.013849	0.007758	0	0	0	0	0	0
0.967763	0.952173	0	0	0	0	0	0
0.611951	0.935782	0.05	0	0	0	0	0
0.934347	0.928205	0	0	0	0	0	0
0.779947	0.865108	0	0	0	0	0	0
0.958688	0.984306	0	0	0	0	0	0
0.938062	0.962165	0	0	0	0	0	0
0.948284	0.978393	0	0	0	0	0	0
0.995959	0.992123	0	0	0	0	0	0
0.995331	0.98964	0	0	0	0	0	0
0.979703	0.985253	0	0	0	0	0	0
0.9692	0.959312	0	0	0	0	0	0
0.996013	0.970825	0	0	0	0	0	0
0.966048	0.970718	0	0	0	0	0	0
0.995311	0.997102	0	0	0	0	0	0
0.688237	0.419848	0.12	0	0	0	0	0
0.991376	0.963547	0	0	0	0	0	0
0.992295	0.98365	0	0	0	0	0	0
0.991782	0.987495	0	0	0	0	0	0
0.01303	0.05522	0	0	0	0	0	0
0.982351	0.894159	0	0	0	0	0	0
0.99646	0.964823	0	0	0	5	0	0
0.959999	0.959058	0	0	0	0	0	0
0.988845	0.987171	0	0	0	0	0	0
0.992305	0.987714	0	0	0	0	0	0
0.992181	0.99769	0	0	0	0	0	0
0.979874	0.926761	0	0	0	0	0	0
0.98288	0.993464	0	0	0	0	0	0
0.969263	0.976904	0	0	0	0	0	0

0.980713	0.836885	0.05	0	0	0	0	0
0.958625	0.798156	0.01	0	0	0	0	0
0.994252	0.992944	0	0	0	0	0	0
0.464188	0.296536	0.05	0	0	0	0	0
0.960763	0.94751	0	0	0	0	0	0
0.951127	0.95568	0	0	0	0	0	0
0.940693	0.953255	0	0	0	0	0	0
0.942349	0.981253	0	0	0	0	0	0
0.989905	0.950844	0	0	0	0	0	0
0.994293	0.984841	0	0	0	0	0	0
0.991774	0.951385	0	0	0	0	0	0
0.994213	0.978063	0	0	0	0	0	0
0.991908	0.981219	0	0	0	0	0	0
0.990721	0.942573	0	0	0	0	0	0
0.990107	0.985378	0	0	0	0	1	1
0.967006	0.962544	0	0	0	0	0	0
0.992042	0.974774	0	0	0	0	0	0
0.951782	0.909183	0	0	0	0	0	0
0.992344	0.932407	0	0	0	0	0	0
0.021342	0.047028	0	0	0	0	0	0
0.992591	0.990677	0	0	0	0	0	0
0.034712	0.156873	0.02	0	0	0	0	0
0.031843	0.039383	0	0	0	0	0	0
0.986767	0.969356	0	0	0	0	0	0
0.940662	0.902047	0	0	0	0	0	0
0.984205	0.983721	0	0	0	0	0	0
0.989008	0.987631	0	0	0	0	0	0
0.190929	0.610283	0.2	0	0	0	0	0
0.989586	0.960337	0	0	0	0	0	0
0.925539	0.96478	0	0	0	0	0	0
0.997764	0.993513	0	0	0	0	0	0
0.988913	0.992867	0	0	0	0	0	0
0.032439	0.058753	0	0	0	0	0	0
0.989425	0.989336	0	0	0	0	0	0
0.617475	0.336788	0.17	0	0	6	1	0
0.23294	0.121462	0.04	0	0	0	0	0
0.792228	0.372715	0.28	0	0	0	0	0
0.990543	0.987706	0	0	0	0	0	0
0.987896	0.988831	0	0	0	0	0	0
0.988281	0.970081	0	0	0	0	0	0
0.019837	0.03407	0	0	0	0	0	0
0.993171	0.995604	0	0	0	0	0	0
0.203194	0.51693	0.08	0	0	0	0	0
0.993093	0.990499	0	0	0	0	0	0
0.998548	0.998895	0	0	0	0	0	0
0.998991	0.937083	0.03	0	0	0	0	0
0.977398	0.819778	0	0	0	0	0	0

0.989609	0.856295	0	0	0	0	0	0
0.026574	0.138465	0	0	0	0	0	0
0.973558	0.966392	0	0	0	0	0	0
0.973558	0.920435	0	0	0	0	0	0
0.963567	0.95738	0	0	0	0	0	0
0.992679	0.99426	0	0	0	0	0	0
0.028057	0.026416	0	0	0	0	0	0
0.408063	0.451531	0	0	0	0	0	0
0.993191	0.995486	0	0	0	0	0	0
0.930897	0.908301	0	0	0	0	0	0
0.932035	0.906913	0	0	0	0	0	0
0.847143	0.86563	0	0	0	0	0	0
0.947488	0.935894	0	0	0	0	0	0
0.006135	0.037573	0	0	0	0	0	0
0.996772	0.983546	0	0	0	0	0	0
0.988828	0.957834	0	0	0	0	0	0
0.024196	0.051803	0	0	0	0	0	0
0.067529	0.181403	0	0	0	0	0	0
0.020674	0.007232	0	0	0	0	0	0
0.060409	0.05379	0	0	0	0	0	0
0.962732	0.952761	0	0	0	0	0	0
0.959712	0.97394	0	0	0	0	0	0
0.991728	0.989132	0	0	0	0	0	0
0.993403	0.990117	0	0	0	0	0	0
0.063045	0.042633	0	0	0	0	0	0
0.925797	0.968777	0	0	0	0	0	0
0.967407	0.983536	0	0	0	0	0	0
0.973892	0.958972	0	0	0	0	0	0
0.004257	0.009047	0	0	0	0	0	0
0.997354	0.990713	0	0	0	0	0	0
0.995556	0.994914	0	0	0	0	0	0
0.998273	0.971223	0	0	0	0	0	0
0.996864	0.995788	0	0	0	0	0	0
0.996139	0.795578	0.12	0	0	0	0	0
0.019885	0.075667	0	0	4	0	0	0
0.99443	0.989546	0	0	4	0	0	0
0.034193	0.041849	0	0	0	0	0	0
0.99796	0.997374	0	0	0	0	0	0
0.996044	0.995942	0	0	0	0	0	0
0.996867	0.995848	0	0	0	0	0	0
0.903234	0.950886	0	0	0	0	0	0
0.034466	0.015027	0	0	0	0	0	0
0.499757	0.404172	0	0	0	0	0	0
0.616286	0.697862	0	0	0	0	0	0
0.012833	0.021753	0	0	0	0	0	0
0.980114	0.964109	0	0	0	0	0	0
0.994134	0.987833	0	0	0	0	0	0

0.993992	0.981823	0	0	0	0	0	0
0.949211	0.990159	0	0	0	0	0	0
0.002792	0.032204	0.03	0	0	0	0	0
0.995591	0.991476	0	0	0	0	0	0
0.992656	0.992616	0	0	0	0	0	0
0.962825	0.988902	0	0	0	0	0	0
0.992772	0.972039	0	0	0	0	0	0
0.98586	0.920137	0	0	0	0	0	0
0.998811	0.998814	0	0	0	0	0	0
0.007096	0.011082	0	0	0	0	0	0
0.952869	0.983943	0.01	0	0	0	0	0
0.961738	0.965105	0	0	0	0	0	0
0.966317	0.960672	0	0	0	0	0	0
0.978815	0.942398	0	0	0	0	0	0
0.954474	0.949124	0	0	0	0	0	0
0.936997	0.949845	0	0	0	0	0	0
0.968018	0.951403	0	0	0	0	0	0
0.981768	0.953953	0	0	0	0	0	0
0.973808	0.970718	0	0	0	0	0	0
0.976798	0.98531	0	0	0	0	0	0
0.982665	0.98122	0	0	0	0	0	0
0.976515	0.977788	0	0	0	0	0	0
0.975596	0.964192	0	0	0	0	0	0
0.044646	0.05523	0	0	0	0	0	0
0.974161	0.95858	0	0	0	0	0	0
0.936618	0.249845	0.47	0	0	0	0	0
0.02649	0.070612	0	0	0	0	0	0
0.99765	0.961813	0.01	0	6	0	0	0
0.998522	0.983483	0	0	0	0	0	0
0.04552	0.016803	0	0	0	0	0	0
0.111376	0.114022	0	0	0	0	0	0
0.319175	0.551239	0.06	0	0	0	0	0
0.197276	0.240205	0	0	0	0	0	0
0.987091	0.982551	0	0	0	0	0	0
0.971986	0.948644	0	0	0	0	0	0
0.995833	0.940057	0.01	0	0	0	0	0
0.008336	0.010874	0	0	0	0	0	0
0.135508	0.131589	0	0	0	0	0	0
0.963666	0.820869	0.09	0	0	0	0	0
0.998287	0.998907	0	0	0	0	0	0
0.969345	0.946443	0	0	0	0	0	0
0.980552	0.988193	0	0	0	0	0	0
0.975015	0.979626	0	0	0	0	0	0
0.998386	0.979343	0	0	0	0	0	0
0.973933	0.971961	0	0	0	0	0	0
0.994939	0.993116	0	0	0	0	0	0
0.996718	0.996763	0	0	0	0	0	0

0.002506	0.006185	0	0	0	0	0	0
0.064901	0.079721	0	0	0	0	0	0
0.988951	0.952943	0	0	0	0	0	0
0.754951	0.992177	0.13	0	0	0	0	0
0.10092	0.06564	0	0	0	0	0	0
0.013929	0.026273	0	0	0	0	0	0
0.82125	0.911913	0	0	0	0	0	0
0.045511	0.03188	0	0	0	0	0	0
0.943784	0.926238	0	0	0	0	0	0
0.985156	0.978545	0	0	0	0	0	0
0.975386	0.933892	0	0	0	0	0	0
0.009164	0.010677	0	0	0	0	0	0
0.945346	0.947828	0	0	0	0	0	0
0.983016	0.969249	0	0	0	0	0	0
0.983198	0.958773	0	0	0	0	0	0
0.948058	0.953245	0	0	0	0	0	0
0.996012	0.994647	0	0	0	0	0	0
0.052017	0.043554	0	0	0	0	0	0
0.195534	0.093194	0.01	0	0	0	0	0
0.996422	0.798573	0.14	0	0	0	0	0
0.41112	0.137675	0.16	0	0	0	0	0
0.140647	0.039258	0.01	0	0	0	0	0
0.900821	0.940912	0	0	0	0	0	0
0.864723	0.75744	0	0	0	0	0	0
0.995955	0.928699	0.02	0	0	0	0	0
0.908113	0.957591	0	0	0	0	0	0
0.995929	0.995592	0	0	0	0	0	0
0.023273	0.010976	0	0	0	0	0	0
0.94769	0.983834	0	0	0	0	0	0
0.967261	0.98245	0	0	0	0	0	0
0.970908	0.993693	0	0	0	0	0	0
0.992259	0.824669	0.08	5	0	0	0	0
0.988592	0.963533	0	5	0	0	0	0
0.994518	0.987162	0	0	0	0	0	0
0.994261	0.984426	0	0	0	0	0	0
0.990064	0.982979	0	0	0	0	0	0
0.702537	0.345746	0.16	0	7	7	0	0
0.990061	0.984809	0	0	0	0	0	0
0.052781	0.166245	0	0	0	0	0	0
0.988652	0.989162	0	0	0	0	0	0
0.996272	0.996674	0	0	0	0	0	0
0.997157	0.995605	0	0	0	0	0	0
0.029112	0.040226	0	0	0	0	0	0
0.551115	0.510782	0	0	13	13	0	0
0.052977	0.014668	0	0	0	0	0	0
0.052228	0.013981	0	0	0	0	0	0
0.059195	0.015389	0	0	0	0	0	0

0.04856	0.012949	0	0	0	0	0	0
0.050006	0.015617	0	0	0	0	0	0
0.053806	0.014516	0	0	0	0	0	0
0.060768	0.01325	0	0	0	0	0	0
0.007796	0.023111	0	0	0	0	0	0
0.991824	0.980297	0	0	0	0	0	0
0.998928	0.995742	0	0	0	0	0	0
0.012739	0.022816	0	0	0	0	0	0
0.996675	0.926147	0.02	0	0	0	0	0
0.997429	0.987379	0	0	0	0	0	0
0.446418	0.255752	0.02	0	0	0	0	0
0.546247	0.913356	0	0	0	0	0	0
0.992855	0.980978	0	0	0	0	0	0
0.020649	0.036837	0	0	0	0	0	0
0.960718	0.959117	0	0	0	0	0	0
0.972812	0.955506	0	0	0	0	0	0
0.982024	0.94972	0	0	0	0	0	0
0.969558	0.888194	0	0	0	0	0	0
0.978185	0.945441	0	0	0	0	0	0
0.984539	0.934133	0	0	0	0	0	0
0.480861	0.360196	0	0	0	0	0	0
0.966087	0.798466	0	0	0	0	0	0
0.997565	0.995459	0	0	0	0	0	0
0.994583	0.988207	0	0	0	0	0	0
0.99289	0.971782	0	0	0	0	0	0
0.97876	0.956315	0	0	0	0	0	0
0.984239	0.953728	0	0	0	0	0	0
0.973621	0.950651	0	0	0	0	0	0
0.981009	0.964111	0	0	0	0	0	0
0.973489	0.958786	0	0	0	0	0	0
0.980119	0.959431	0	0	0	0	0	0
0.982461	0.962793	0	0	0	0	0	0
0.996864	0.986243	0	0	0	0	0	0
0.998739	0.997778	0	0	0	0	0	0
0.993055	0.993174	0	0	0	0	0	0
0.01027	0.008717	0	0	0	0	0	0
0.996785	0.997347	0	0	0	0	0	0
0.05522	0.166099	0	0	0	0	0	0
0.994378	0.980155	0	0	0	0	0	0
0.99609	0.995175	0	0	0	0	0	0
0.975016	0.994636	0	0	0	0	0	0
0.90249	0.976077	0	0	0	0	0	0
0.998393	0.996225	0	0	0	0	0	0
0.007734	0.030897	0	0	0	0	0	0
0.789638	0.626022	0.04	0	0	0	0	0
0.191671	0.10698	0	0	0	0	0	0
0.722788	0.545339	0.05	0	0	0	0	0

0.988845	0.962773	0	0	0	0	0	0
0.119955	0.05615	0	0	0	0	0	0
0.993977	0.988727	0	0	0	0	0	0
0.999996	0.999993	0	0	0	0	0	0
0.995383	0.990163	0	0	0	0	0	0
0.21919	0.242161	0	0	0	0	0	0
0.993124	0.98452	0	0	0	0	0	0
0.980747	0.991988	0	0	0	0	0	0
0.588221	0.41862	0.04	0	0	0	0	0
0.995232	0.99533	0	0	0	0	0	0
0.995837	0.981803	0	0	0	0	0	0
0.010488	0.009389	0	0	0	0	0	0
0.998647	0.989622	0	0	0	0	0	0
0.07529	0.044798	0	0	0	0	0	0
0.024238	0.05904	0	0	0	0	0	0
0.966314	0.93046	0	0	0	0	0	0
0.039981	0.026691	0	0	0	0	0	0
0.982608	0.988582	0	0	0	0	0	0
0.073273	0.215602	0	0	0	0	0	0
0.231155	0.185415	0	0	0	0	0	0
0.049904	0.071705	0	0	0	0	0	0
0.954786	0.865222	0	0	0	0	0	0
0.986668	0.975782	0	0	0	0	0	0
0.984577	0.920842	0	0	0	0	0	0
0.961557	0.823641	0	0	0	0	0	0
0.989656	0.981596	0	0	0	0	0	0
0.989358	0.992543	0	0	0	0	0	0
0.977902	0.990978	0	0	0	0	0	0
0.006683	0.017182	0	0	0	0	0	0
0.639471	0.373779	0.05	0	0	0	3	0
0.997792	0.995957	0	0	0	0	0	0
0.996792	0.971628	0	0	0	0	0	0
0.0072	0.044729	0	0	0	0	0	0
0.048721	0.256969	0.03	0	0	0	0	0
0.995982	0.973348	0	0	0	0	0	0
0.063916	0.289729	0.05	0	0	0	0	0
0.516547	0.680295	0.04	0	0	0	0	0
0.990587	0.984615	0	0	0	0	0	0
0.011071	0.223885	0.17	0	0	0	0	0
0.003241	0.110613	0.05	0	0	1	0	0
0.105335	0.121785	0	0	0	6	0	0
0.9919	0.937769	0.01	0	0	0	0	0
0.995462	0.969714	0	0	0	0	0	0
0.038037	0.423908	0.3	0	6	0	0	0
0.030201	0.059782	0	0	0	0	0	0
0.930918	0.935645	0	0	0	0	0	0
0.988122	0.996242	0	0	0	0	0	0

0.986874	0.996691	0	0	0	0	0	0
0.995508	0.931882	0.03	0	0	0	0	0
0.973917	0.974383	0	0	0	0	0	0
0.993619	0.995651	0	0	0	0	0	0
0.694314	0.73426	0	0	0	0	0	0
0.86776	0.991942	0.04	0	0	0	0	0
0.989925	0.829406	0.03	0	0	0	0	0
0.994226	0.836699	0.05	0	0	0	0	0
0.993381	0.565205	0.22	0	0	0	0	0
0.995172	0.739351	0.15	0	0	0	0	0
0.98033	0.981265	0	0	0	0	0	0
0.047727	0.037574	0	0	0	0	0	0
0.050072	0.053703	0	0	0	0	0	0
0.475532	0.867422	0	0	0	0	0	0
0.158711	0.06372	0	0	0	0	0	0
0.018021	0.016692	0	0	0	0	0	0
0.988846	0.848757	0.06	0	0	0	0	0
0.995668	0.987882	0	0	0	0	0	0
0.994769	0.990356	0	0	0	0	0	0
0.980691	0.948538	0	0	0	0	0	0
0.991732	0.968865	0	0	0	0	0	0
0.052017	0.131218	0	0	0	0	0	0
0.97728	0.94813	0	0	0	0	0	0
0.980606	0.942654	0	0	0	0	0	0
0.983163	0.98365	0	0	0	0	0	0
0.252958	0.084489	0	0	0	0	0	0
0.138801	0.078918	0	0	0	0	0	0
0.98426	0.962393	0	0	0	0	0	0
0.98691	0.958333	0	0	0	0	0	0
0.927671	0.978767	0	0	0	0	0	0
0.990716	0.994234	0	0	0	0	0	0
0.995364	0.997464	0	0	0	0	0	0
0.994829	0.998135	0	0	0	0	0	0
0.016022	0.012027	0	0	0	0	0	0
0.980377	0.982768	0	0	0	0	0	0
0.723798	0.642268	0	0	0	0	0	0
0.984676	0.967787	0	0	0	0	0	0
0.935072	0.819183	0	0	0	0	0	0
0.009304	0.013352	0	0	0	0	0	0
0.955656	0.885604	0.03	0	0	0	0	0
0.969667	0.95461	0	0	0	0	0	0
0.998352	0.99406	0	0	0	0	0	0
0.989007	0.9979	0	0	0	0	0	0
0.993586	0.994549	0	0	0	0	0	0
0.00153	0.004157	0	0	0	0	0	0
0.993676	0.994249	0	0	0	0	0	0
0.998845	0.995189	0	0	0	0	0	0

0.00186	0.00337	0	0	0	0	0	0
0.015295	0.042161	0	0	0	0	0	0
0.99314	0.994275	0	0	0	0	0	0
0.978737	0.967328	0	0	0	0	0	0
0.005768	0.015681	0	0	0	0	0	0
0.998246	0.9951	0	0	0	0	0	0
0.998536	0.995686	0	0	0	0	0	0
0.998606	0.995778	0	0	0	0	0	0
0.998426	0.995322	0	0	0	0	0	0
0.996606	0.995303	0	0	0	0	0	0
0.279917	0.200015	0.08	0	0	0	0	0
0.007259	0.004002	0	0	0	0	0	0
0.668057	0.844063	0	0	0	0	0	0
0.012719	0.007459	0	0	0	0	0	0
0.812831	0.557541	0.19	0	0	0	0	0
0.994827	0.963304	0	0	0	0	0	0
0.994604	0.98459	0	0	0	0	0	0
0.987349	0.979344	0	0	0	0	0	0
0.987572	0.973429	0	0	0	0	0	0
0.994048	0.987214	0	0	0	0	0	0
0.993297	0.95905	0	0	0	0	0	0
0.005954	0.021483	0	0	0	0	0	0
0.008917	0.191462	0.07	0	0	0	0	0
0.035687	0.025379	0	0	0	0	0	0
0.137974	0.270639	0.04	0	0	0	0	0
0.003559	0.00341	0	0	0	0	0	0
0.925266	0.844347	0	0	0	0	0	0
0.049574	0.017078	0	0	0	0	0	0
0.989285	0.996565	0	0	0	0	0	0
0.991741	0.981115	0	0	0	0	0	0
0.160907	0.057685	0	0	0	0	0	0
0.059979	0.052047	0	0	0	0	0	0
0.017555	0.039097	0	0	0	0	0	0
0.983354	0.966911	0	0	0	0	0	0
0.982712	0.99134	0	0	0	0	0	0
0.984411	0.969025	0	0	0	0	0	0
0.970483	0.915717	0	0	0	0	0	0
0.9627	0.984741	0	0	0	0	0	0
0.050685	0.030974	0	0	0	0	0	0
0.94679	0.961543	0	0	0	0	0	0
0.963275	0.980797	0	0	0	0	0	0
0.962587	0.988378	0	0	0	0	0	0
0.954327	0.971332	0	0	0	0	0	0
0.955694	0.95163	0	0	0	0	0	0
0.946583	0.968895	0	0	0	0	0	0
0.950158	0.954463	0	0	0	0	0	0
0.961487	0.926949	0	0	0	0	0	0

0.915999	0.986087	0	0	0	0	0	0
0.958315	0.930423	0	0	0	0	0	0
0.965574	0.949777	0	0	0	0	0	0
0.956454	0.96673	0	0	0	0	0	0
0.962243	0.98205	0	0	0	0	0	0
0.961957	0.956497	0	0	0	0	0	0
0.931249	0.990233	0.01	0	0	0	0	0
0.961315	0.994473	0	0	0	0	0	0
0.955297	0.993443	0	0	0	0	0	0
0.995936	0.992859	0	0	0	0	0	0
0.992813	0.990539	0	0	0	0	0	0
0.995347	0.99406	0	0	0	0	0	0
0.985505	0.99289	0	0	0	0	0	0
0.987384	0.992555	0	0	0	0	0	0
0.987882	0.990871	0	0	0	0	0	0
0.98614	0.9922	0	0	0	0	0	0
0.984925	0.990827	0	0	0	0	0	0
0.972547	0.987708	0	0	0	0	0	0
0.980636	0.980609	0	0	0	0	0	0
0.981144	0.984213	0	0	0	0	0	0
0.971994	0.927841	0	0	0	0	0	0
0.965733	0.940858	0	0	0	0	0	0
0.963116	0.943463	0	0	0	0	0	0
0.82787	0.598392	0	0	0	0	0	0
0.944913	0.7174	0	0	0	0	0	0
0.958807	0.901152	0	0	0	0	0	0
0.964769	0.793684	0	0	0	0	0	0
0.906315	0.906048	0	0	0	0	0	0
0.975907	0.923525	0	0	0	0	0	0
0.950153	0.786847	0.09	0	0	0	0	0
0.146697	0.16505	0	0	0	0	0	0
0.994965	0.993012	0	0	0	0	0	0
0.99403	0.993909	0	0	0	0	0	0
0.971107	0.894743	0	0	0	0	0	0
0.982437	0.981684	0	0	0	0	0	0
0.025283	0.042185	0	0	0	0	0	0
0.061675	0.062412	0	0	0	0	0	0
0.99969	0.998528	0	0	0	0	0	0
0.928188	0.770291	0	0	0	0	0	0
0.039786	0.04328	0	0	0	0	0	0
0.922757	0.958797	0	0	0	0	0	0
0.965801	0.968764	0	0	0	0	0	0
0.91852	0.90176	0	0	0	0	0	0
0.588873	0.31318	0	0	0	0	0	0
0.964095	0.715666	0.04	0	0	0	0	0
0.963338	0.952668	0	0	0	0	0	0
0.931261	0.615868	0	0	0	0	0	0

0.005973	0.00493	0	0	0	0	0	0
0.996917	0.99634	0	0	0	0	0	0
0.995737	0.994729	0	0	0	0	0	0
0.994438	0.974742	0	0	0	0	7	7
0.997216	0.993593	0	0	3	0	0	0
0.861501	0.859853	0	0	0	0	0	0
0.046974	0.04747	0	0	0	0	0	0
0.014841	0.032411	0	0	0	0	0	0
0.976264	0.941172	0	0	0	0	0	0
0.037083	0.016251	0	0	0	0	0	0
0.96579	0.780261	0.01	0	0	0	0	0
0.959138	0.755988	0	0	0	0	0	0
0.970548	0.935019	0	0	0	0	0	0
0.354182	0.28264	0	0	0	2	0	0
0.942215	0.940453	0	0	0	0	0	0
0.94879	0.95696	0	0	0	0	0	0
0.959904	0.961912	0	0	0	0	0	0
0.95693	0.957925	0	0	0	0	0	0
0.94109	0.889705	0	0	0	0	0	0
0.941825	0.935256	0	0	0	0	0	0
0.951406	0.953627	0	0	0	0	0	0
0.940596	0.881885	0	0	0	0	0	0
0.946873	0.895301	0	0	0	0	0	0
0.834481	0.914171	0	0	0	0	0	0
0.940725	0.944643	0	0	0	0	0	0
0.949251	0.936098	0	0	0	0	0	0
0.9423	0.915812	0	0	0	0	0	0
0.949902	0.828792	0	0	0	0	0	0
0.952034	0.902646	0	0	0	0	0	0
0.94576	0.911249	0	0	0	0	0	0
0.951256	0.882176	0	0	0	0	0	0
0.959564	0.93845	0	0	0	0	0	0
0.962428	0.954253	0	0	0	0	0	0
0.94845	0.943978	0	0	0	0	0	0
0.932307	0.920405	0	0	0	0	0	0
0.948807	0.901639	0	0	0	0	0	0
0.949675	0.916309	0	0	0	0	0	0
0.956981	0.92643	0	0	0	0	0	0
0.956774	0.944731	0	0	0	0	0	0
0.958739	0.941536	0	0	0	0	0	0
0.942525	0.94185	0	0	0	0	0	0
0.942545	0.951058	0	0	0	0	0	0
0.971511	0.939927	0	0	0	0	0	0
0.971433	0.956467	0	0	0	0	0	0
0.959081	0.956271	0	0	0	0	0	0
0.944833	0.929142	0	0	0	0	0	0
0.948563	0.951932	0	0	0	0	0	0

0.967075	0.96717	0	0	0	0	0	0
0.97225	0.969832	0	0	0	0	0	0
0.968019	0.966892	0	0	0	0	0	0
0.970126	0.966508	0	0	0	0	0	0
0.967029	0.937105	0	0	0	0	0	0
0.933506	0.929054	0	0	0	0	0	0
0.974602	0.971784	0	0	0	0	0	0
0.97644	0.981885	0	0	0	0	0	0
0.975065	0.984111	0	0	0	0	0	0
0.969685	0.982979	0	0	0	0	0	0
0.972188	0.983499	0	0	0	0	0	0
0.978792	0.97835	0	0	0	0	0	0
0.974556	0.977419	0	0	0	0	0	0
0.971102	0.981657	0	0	0	0	0	0
0.982391	0.985772	0	0	0	0	0	0
0.98288	0.980367	0	0	0	0	0	0
0.98158	0.988237	0	0	0	0	0	0
0.978278	0.968469	0	0	0	0	0	0
0.97379	0.991761	0	0	0	0	0	0
0.97873	0.993228	0	0	0	0	0	0
0.967614	0.99107	0	0	0	0	0	0
0.942978	0.852054	0	0	0	0	0	0
0.997695	0.994936	0	0	0	0	0	0
0.998384	0.998029	0	0	0	0	0	0
0.046118	0.048882	0	0	0	0	0	0
0.979152	0.99139	0	0	0	0	0	0
0.981619	0.996058	0	0	0	0	0	0
0.990852	0.992751	0	0	0	0	0	0
0.976925	0.98461	0	0	0	0	0	0
0.006078	0.014429	0	0	0	0	0	0
0.998989	0.998823	0	0	0	0	0	0
0.001936	0.002064	0	0	0	0	0	0
0.984718	0.961308	0	0	0	0	0	0
0.980677	0.961151	0	0	0	0	0	0
0.98634	0.978244	0	0	0	0	0	0
0.997987	0.998186	0	0	0	0	0	0
0.994875	0.99519	0	0	0	0	0	0
0.986638	0.995241	0	0	0	0	0	0
0.990326	0.993937	0	0	0	0	0	0
0.126973	0.142233	0	0	0	0	0	0
0.073002	0.145661	0	0	0	0	0	0
0.382028	0.250913	0.01	0	0	0	0	0
0.572445	0.769181	0.05	0	0	0	0	0
0.543524	0.692588	0	0	0	0	0	0
0.191211	0.598838	0.06	0	0	0	0	0
0.970827	0.959654	0	0	0	0	0	0
0.189319	0.310807	0	0	0	0	0	0

0.996772	0.991364	0	0	0	0	0	0
0.997621	0.995858	0	0	0	0	0	0
0.995531	0.997815	0	0	0	0	0	0
0.022836	0.063691	0	0	0	0	0	0
0.024225	0.112268	0.03	0	0	0	0	0
0.209276	0.294938	0	0	0	0	0	0
0.989992	0.997379	0	0	0	0	0	0
0.991874	0.998815	0	0	0	0	0	0
0.986879	0.995837	0	0	0	0	0	0
0.98308	0.984927	0	0	0	0	0	0
0.994015	0.996309	0	0	0	0	0	0
0.9803	0.967131	0	0	0	0	0	0
0.990884	0.969879	0	0	0	0	0	0
0.990836	0.960831	0	0	0	0	0	0
0.978916	0.967725	0	0	0	0	0	0
0.992026	0.990521	0	0	0	0	6	6
0.994692	0.994201	0	0	0	0	0	0
0.98898	0.966766	0	0	0	0	0	0
0.987816	0.970403	0	0	0	0	0	0
0.906653	0.934615	0	0	0	0	0	0
0.991173	0.933818	0	0	0	0	0	0
0.989089	0.987518	0	0	0	0	0	0
0.957753	0.975477	0	0	0	0	0	0
0.980736	0.983187	0	0	0	0	0	0
0.9875	0.971927	0	0	0	0	0	6
0.014742	0.02186	0	0	0	0	0	0
0.971112	0.965346	0	0	0	0	0	0
0.965774	0.977852	0	0	0	0	0	0
0.981858	0.959827	0	0	0	0	0	0
0.990591	0.988066	0	0	0	0	0	0
0.966931	0.848762	0	0	0	0	0	0
0.975009	0.849573	0	0	0	0	0	0
0.975406	0.989926	0	0	0	0	0	0
0.022628	0.034418	0	0	0	0	0	0
0.991864	0.987457	0	0	0	0	0	0
0.018378	0.034552	0	0	0	0	0	0
0.990917	0.952558	0	0	0	0	0	0
0.027642	0.018494	0	0	0	0	0	0
0.990973	0.990821	0	0	0	0	0	0
0.991188	0.988545	0	0	0	0	0	0
0.51465	0.380744	0	0	0	0	0	0
0.698036	0.48034	0.02	0	0	0	0	0
0.960913	0.991811	0	0	0	0	0	0
0.977409	0.958151	0	0	0	0	0	0
0.054837	0.058308	0	0	0	0	0	0
0.985794	0.983231	0	0	0	0	0	0
0.990211	0.957334	0	0	0	0	0	0

0.984358	0.99072	0	0	0	0	0	0
0.947771	0.936348	0	0	0	0	0	0
0.848949	0.453262	0.19	0	0	0	0	0
0.976112	0.356927	0.5	0	0	0	0	0
0.970508	0.433993	0.41	0	0	0	0	0
0.775284	0.561137	0.02	0	0	0	0	0
0.416284	0.727941	0.11	0	0	0	0	0
0.992646	0.964302	0	0	0	0	0	0
0.005829	0.005567	0	0	0	0	0	0
0.997958	0.993893	0	0	0	0	0	0
0.997487	0.998509	0	0	0	0	0	0
0.997287	0.99834	0	0	0	0	0	0
0.997552	0.997487	0	0	0	0	0	0
0.985234	0.931405	0.02	0	0	0	0	0
0.970166	0.95337	0	0	0	0	0	0
0.879943	0.884859	0	0	0	0	0	0
0.966996	0.89647	0	0	0	0	0	0
0.945388	0.91744	0	0	0	0	0	0
0.016007	0.021688	0	0	0	0	0	0
0.986944	0.925753	0	0	0	0	0	0
0.879538	0.576437	0.18	0	0	0	0	0
0.016662	0.009292	0	0	0	0	0	0
0.99412	0.952329	0.01	0	0	0	0	0
0.991012	0.972168	0	0	0	0	0	0
0.01998	0.046539	0	0	0	0	0	0
0.970364	0.955249	0	0	0	0	0	0
0.983851	0.958185	0	0	0	0	0	0
0.985821	0.848078	0.04	0	0	0	0	0
0.976347	0.901334	0	0	0	0	0	0
0.854389	0.523292	0.02	0	0	0	0	0
0.995504	0.993717	0	0	0	0	0	0
0.997457	0.995273	0	0	0	0	0	0
0.996447	0.98341	0	0	0	0	0	0
0.995331	0.991873	0	0	0	0	0	0
0.996438	0.994568	0	0	0	0	0	0
0.997198	0.997889	0	0	0	0	0	0
0.997586	0.98532	0	0	0	0	0	0
0.032352	0.13344	0.03	0	0	0	0	0
0.946828	0.953827	0	0	0	0	0	0
0.994904	0.98527	0	0	0	0	0	0
0.728319	0.847057	0.04	0	0	0	0	0
0.995124	0.985395	0	0	0	0	0	0
0.002705	0.004034	0	0	0	0	0	0
0.053291	0.042409	0	0	0	0	0	0
0.993212	0.996938	0	0	0	0	0	0
0.009941	0.0073	0	0	0	0	0	0
0.990206	0.996733	0	0	0	0	0	0

0.990661	0.970859	0	0	0	0	0	0
0.056729	0.216384	0	0	0	0	0	0
0.987108	0.995746	0	0	0	0	0	0
0.988618	0.995536	0	0	0	0	0	0
0.854084	0.640375	0.07	0	0	0	0	0
0.994025	0.995669	0	0	0	0	0	0
0.062689	0.30137	0.11	0	0	0	0	0
0.994623	0.984505	0	0	0	0	0	0
0.009991	0.051215	0	0	0	0	0	0
0.998521	0.99781	0	0	0	0	0	0
0.002654	0.010838	0	0	0	0	0	0
0.853183	0.600116	0.04	0	1	0	0	0
0.433897	0.669645	0.15	0	0	0	0	0
0.569294	0.396418	0.08	0	0	0	6	6
0.994833	0.969719	0	0	0	0	0	0
0.701556	0.837826	0	0	0	0	0	0
0.005953	0.022812	0	0	0	0	0	0
0.987904	0.462727	0.39	0	0	0	0	0
0.612018	0.694795	0	0	0	0	0	0
0.402016	0.180532	0.14	0	0	0	0	0
0.997986	0.772898	0.15	0	0	0	0	9
0.997421	0.969826	0	0	0	0	0	0
0.741819	0.833387	0	0	0	0	0	0
0.848419	0.944748	0	0	11	23	24	22
0.955522	0.984511	0	9	18	34	15	15
0.984334	0.984801	0	4	12	12	2	2
0.981428	0.97441	0	4	0	0	10	10
0.009157	0.008216	0	1	0	0	0	0
0.986445	0.952494	0	0	0	0	0	0
0.990228	0.955887	0	0	0	0	0	0
0.993339	0.921436	0	0	0	0	0	0
0.993614	0.973035	0	0	0	0	0	0
0.990565	0.944509	0	0	0	0	0	0
0.983567	0.887751	0	0	0	0	0	0
0.981298	0.877522	0	0	0	0	0	0
0.977979	0.971308	0	0	0	0	0	0
0.982355	0.948407	0	0	0	0	0	0
0.985729	0.987634	0	0	0	0	0	0
0.994227	0.993474	0	0	0	0	0	0
0.988205	0.979624	0	0	0	0	0	0
0.956166	0.930096	0	0	0	0	0	0
0.989711	0.982487	0	0	0	0	0	0
0.967467	0.952733	0	0	0	0	0	0
0.958247	0.960893	0	0	0	0	0	0
0.917986	0.855092	0	0	0	0	0	0
0.991161	0.926101	0	0	0	0	0	0
0.689387	0.528502	0	0	0	0	0	0

0.012425	0.041103	0	0	0	0	0	0
0.996707	0.982968	0	0	0	0	0	0
0.97168	0.970301	0	0	0	0	0	0
0.968876	0.943114	0	0	0	0	0	0
0.919377	0.81098	0	0	0	0	0	0
0.934271	0.957592	0	0	0	0	0	0
0.979259	0.885168	0	0	0	0	0	0
0.98562	0.957096	0	0	0	0	0	0
0.974984	0.938167	0	0	0	0	0	0
0.003788	0.003441	0	0	0	0	0	0
0.006627	0.004438	0	0	0	0	0	0
0.988093	0.983844	0	0	0	0	0	0
0.983068	0.986847	0	0	0	0	0	0
0.984706	0.979171	0.01	0	0	0	0	0
0.863144	0.929247	0	0	0	0	0	0
0.983091	0.952563	0	0	0	0	0	0
0.992192	0.882445	0	0	0	0	0	0
0.981454	0.990123	0	0	0	0	0	0
0.996963	0.996815	0	0	0	0	0	0
0.04936	0.067456	0	0	0	0	0	0
0.955921	0.915602	0	0	0	0	0	0
0.969018	0.974603	0	0	0	0	0	0
0.976599	0.97746	0	0	0	0	0	0
0.953225	0.931277	0	0	0	0	0	0
0.970697	0.963812	0	0	0	0	0	0
0.94848	0.96816	0	0	0	0	0	0
0.109679	0.067914	0	0	0	0	0	0
0.006305	0.007828	0	0	0	0	0	0
0.007218	0.004434	0	0	0	0	0	0
0.985252	0.995284	0	0	0	0	0	0
0.008731	0.005146	0	0	0	0	0	0
0.99604	0.995852	0	0	0	0	0	0
0.013846	0.007313	0	0	0	0	0	0
0.008078	0.016912	0	0	0	0	0	0
0.995606	0.987101	0	0	0	0	0	0
0.006193	0.005868	0	0	0	0	0	0
0.983244	0.997489	0	0	0	0	0	0
0.019053	0.04436	0	0	0	0	0	0
0.032477	0.005618	0	0	0	0	0	0
0.013056	0.016243	0	0	0	0	0	0
0.997107	0.998481	0	0	0	0	0	0
0.013407	0.034289	0	0	0	0	0	0
0.132812	0.371901	0.14	0	0	0	0	0
0.99834	0.99785	0	0	0	0	0	0
0.002682	0.002254	0	0	0	0	0	0
0.997251	0.959282	0.02	0	0	0	0	0
0.996438	0.958497	0.01	0	0	0	0	0

0.997183	0.999363	0	0	0	0	0	0
0.001282	0.001192	0	0	0	0	0	0
0.98816	0.984706	0	0	0	0	0	0
0.014009	0.017159	0	0	0	0	0	0
0.021884	0.029937	0	0	0	0	0	0
0.014936	0.023396	0	0	0	0	0	0
0.025432	0.02668	0	0	0	0	0	0
0.989729	0.970297	0	0	0	0	0	0
0.989165	0.974562	0	0	0	0	0	0
0.988383	0.901701	0	0	0	0	0	0
0.02334	0.024289	0	0	0	0	0	0
0.990596	0.944768	0	0	0	0	0	0
0.036736	0.177327	0.05	0	0	0	0	0
0.993079	0.971861	0	0	0	0	0	0
0.995619	0.990437	0	0	0	0	0	0
0.012357	0.04344	0	0	0	0	0	0
0.994352	0.984024	0	0	0	0	0	0
0.996602	0.989435	0	0	0	0	0	0
0.968238	0.60663	0.23	0	0	0	0	0
0.018693	0.027345	0	0	0	0	0	0
0.014342	0.057558	0	0	0	0	0	0
0.014789	0.049455	0	0	0	0	0	0
0.992647	0.986713	0	0	0	0	0	0
0.016682	0.035452	0	0	0	0	0	0
0.019609	0.04232	0	0	0	0	0	0
0.981246	0.977143	0	0	0	0	0	0
0.93966	0.89384	0	0	0	0	0	0
0.993352	0.991649	0	0	0	0	0	0
0.01801	0.006293	0	0	0	0	0	0
0.991272	0.997285	0	0	0	0	0	0
0.991264	0.973115	0	0	0	0	0	0
0.977334	0.985168	0	0	0	0	0	0
0.813552	0.907692	0	0	0	0	0	0
0.773448	0.911909	0	0	0	0	0	0
0.020134	0.01823	0	0	1	1	0	0
0.004266	0.005825	0	0	1	0	0	0
0.020652	0.058479	0	0	1	0	0	0
0.957552	0.922574	0	0	0	0	0	0
0.978043	0.947642	0	0	0	0	0	0
0.981064	0.898234	0	0	0	0	0	0
0.993393	0.971752	0	0	0	0	0	0
0.994352	0.99258	0	0	0	0	0	0
0.986879	0.990433	0	0	0	0	0	0
0.039562	0.013833	0	0	0	0	0	0
0.035943	0.018297	0	0	0	0	0	0
0.958582	0.982828	0	0	0	0	0	0
0.984273	0.995736	0	0	0	0	0	0

0.992332	0.994282	0	0	0	0	0	0
0.990804	0.993776	0	0	0	0	0	0
0.988097	0.98551	0	0	0	0	0	0
0.926263	0.769938	0	0	0	0	0	0
0.993924	0.964875	0	0	0	0	0	0
0.983095	0.923655	0	0	0	0	0	0
0.972407	0.946336	0	0	0	0	0	0
0.547395	0.843055	0	0	0	0	0	0
0.990741	0.990961	0	0	0	0	0	0
0.99274	0.987719	0	0	0	0	0	0
0.027872	0.012811	0	0	0	0	0	0
0.020884	0.012209	0	0	0	0	0	0
0.879408	0.841737	0	0	0	0	0	0
0.019637	0.009561	0	0	0	0	0	0
0.929064	0.876366	0	0	0	0	0	0
0.982666	0.984576	0	0	0	0	0	0
0.963378	0.989638	0	0	0	0	0	0
0.978551	0.967142	0	0	0	0	0	0
0.979963	0.962541	0	0	0	0	0	0
0.027341	0.053841	0	0	0	0	0	0
0.975484	0.950265	0	0	0	0	0	0
0.95264	0.955469	0	0	0	0	0	0
0.954751	0.944674	0	0	0	0	0	0
0.987979	0.903526	0.04	0	0	0	0	0
0.997653	0.977209	0	0	0	0	0	0
0.99794	0.957172	0.02	0	0	0	0	0
0.939929	0.852004	0	0	0	0	0	0
0.969813	0.984009	0	0	0	0	0	0
0.964247	0.987462	0	0	0	0	0	0
0.940205	0.888057	0	0	0	0	0	0
0.97918	0.991683	0	0	0	0	0	0
0.999379	0.99775	0	0	0	0	0	0
0.007002	0.028667	0	0	0	0	0	0
0.99915	0.99949	0	0	0	0	0	0
0.052392	0.015803	0.01	0	0	0	0	0
0.007945	0.009242	0	0	0	0	0	0
0.377495	0.127668	0.17	0	0	0	0	0
0.088455	0.088493	0	0	0	0	0	0
0.725936	0.54778	0.1	0	0	0	0	0
0.037362	0.025408	0	1	0	5	0	0
0.99427	0.993961	0	0	0	0	0	0
0.181932	0.051829	0.04	0	0	0	0	0
0.998826	0.997621	0	0	0	0	6	8
0.998497	0.995268	0	0	0	0	0	0
0.999669	0.999267	0	0	0	0	0	0
0.993237	0.997371	0	0	0	0	0	0
0.999591	0.999096	0	0	0	0	0	0

0.99885	0.997129	0	0	0	0	0	0
0.992867	0.99129	0	0	0	0	0	0
0.999834	0.999518	0	0	0	0	0	0
0.999867	0.999717	0	0	0	0	0	0
0.986395	0.632177	0.22	0	0	0	0	0
0.98782	0.990936	0	0	0	0	0	0
0.035556	0.026821	0	0	0	0	0	0
0.983922	0.988275	0	0	0	0	0	0
0.985332	0.954958	0	0	0	0	0	0
0.990851	0.997326	0	0	0	0	0	0
0.975133	0.990164	0	0	0	0	0	0
0.985413	0.99002	0	0	0	0	0	0
0.986839	0.98907	0	0	0	0	0	0
0.984921	0.993655	0	0	0	0	0	0
0.982132	0.955442	0	0	0	0	0	0
0.994189	0.987715	0	0	0	0	0	0
0.991276	0.992839	0	0	0	0	0	0
0.994119	0.97587	0	0	0	0	0	0
0.993462	0.989836	0	0	0	0	0	0
0.012668	0.028793	0	0	0	0	0	0
0.988855	0.945533	0	0	0	0	0	0
0.959542	0.93902	0	0	0	0	0	0
0.971157	0.837267	0	0	0	0	0	0
0.930911	0.950135	0	0	0	0	0	0
0.549636	0.073575	0.17	0	0	0	0	0
0.626482	0.47244	0	0	0	0	0	0
0.955441	0.973979	0	0	0	0	0	0
0.958431	0.912072	0	0	0	0	0	0
0.980714	0.859533	0	0	0	0	0	0
0.966456	0.894769	0	0	0	0	0	0
0.984754	0.975681	0	0	0	0	0	0
0.980729	0.974821	0	0	0	0	0	0
0.978379	0.971978	0	0	5	0	0	0
0.889263	0.713215	0	0	0	0	0	0
0.989446	0.960878	0	0	0	0	0	0
0.042878	0.068206	0	0	0	0	0	0
0.983858	0.983104	0	0	0	0	0	0
0.96668	0.944553	0	0	0	0	0	0
0.991006	0.994049	0	0	0	0	0	0
0.955609	0.92994	0	0	0	0	0	0
0.939963	0.966627	0	0	0	0	0	0
0.994403	0.994773	0	0	0	0	0	0
0.686905	0.719801	0	0	0	0	0	0
0.006351	0.00938	0	0	0	0	0	0
0.935722	0.962651	0	0	0	0	0	0
0.975365	0.984419	0	0	0	0	0	0
0.981635	0.958304	0	0	0	0	0	0

0.922804	0.827647	0	0	0	0	0	0
0.945124	0.849558	0	0	0	0	0	0
0.99846	0.996426	0	0	0	0	0	0
0.986513	0.97679	0	0	0	0	0	0
0.988068	0.96597	0	0	0	0	0	0
0.004959	0.00368	0	0	0	0	0	0
0.007841	0.008075	0	0	0	0	0	0
0.934308	0.959858	0	0	0	0	0	0
0.99689	0.982773	0	0	0	0	0	0
0.997901	0.992014	0	0	0	0	0	0
0.998136	0.998688	0	0	0	0	1	0
0.986501	0.97321	0	0	0	0	0	0
0.994808	0.991825	0	0	0	0	0	0
0.993828	0.955243	0	0	0	0	0	0
0.002377	0.00481	0	0	0	0	0	0
0.960404	0.962035	0	0	0	0	0	0
0.015815	0.029637	0	0	0	0	0	0
0.024916	0.05364	0	0	0	0	0	0
0.978966	0.977527	0	0	0	0	0	0
0.076008	0.211822	0	0	0	0	0	0
0.999041	0.998206	0	0	0	0	0	0
0.002226	0.017246	0	0	0	0	0	0
0.999036	0.995687	0	0	0	0	0	0
0.520267	0.574305	0	0	0	0	0	0
0.619003	0.811048	0.12	0	0	0	0	0
0.001939	0.002908	0	0	0	0	0	0
0.997564	0.998095	0	0	0	0	0	0
0.997908	0.998196	0	0	0	0	0	0
0.003621	0.006811	0	0	0	0	0	0
0.997585	0.997767	0	0	0	0	0	0
0.991587	0.970062	0	0	0	0	0	0
0.997968	0.998406	0	0	0	0	0	0
0.956565	0.897412	0	0	0	0	0	0
0.99183	0.973005	0	0	0	0	0	0
0.882304	0.363491	0.41	0	0	0	0	0
0.994531	0.728325	0.21	0	0	0	0	0
0.99633	0.994345	0	0	0	0	0	0
0.963673	0.913651	0	0	0	0	0	0
0.987604	0.99772	0	0	0	0	0	0
0.988322	0.991288	0	0	0	0	0	0
0.985815	0.974258	0	0	0	0	0	0
0.96386	0.990877	0	0	0	0	0	0
0.990173	0.99682	0	0	0	0	0	0
0.013349	0.02818	0	0	0	0	0	0
0.471474	0.589924	0	0	0	0	0	0
0.987625	0.939316	0	0	0	0	0	0
0.990385	0.995461	0	0	0	0	0	0

0.990081	0.926561	0	0	0	0	0	0
0.015135	0.06736	0	0	0	0	0	0
0.977216	0.993886	0	0	0	0	0	0
0.97221	0.987119	0	0	0	0	0	0
0.718495	0.854683	0	0	0	0	0	0
0.984901	0.974804	0	0	0	0	0	0
0.962353	0.991525	0	0	0	0	0	0
0.997157	0.996043	0	0	0	0	0	1
0.997785	0.997503	0	0	0	0	1	1
0.996475	0.997891	0	0	0	0	0	0
0.996808	0.991961	0	0	0	0	0	0
0.994749	0.99908	0	0	0	0	0	0
0.918266	0.620597	0.17	0	0	2	2	2
0.867069	0.507973	0.23	0	0	10	0	0
0.849763	0.49895	0.2	0	0	31	0	0
0.811487	0.085571	0.65	0	0	7	12	12
0.922124	0.856996	0	0	0	7	0	0
0.995678	0.99538	0	0	0	0	0	0
0.006303	0.003763	0	0	0	0	0	0
0.992494	0.998509	0	0	0	0	0	0
0.891088	0.562425	0.2	0	0	5	1	1
0.994987	0.995704	0	0	0	0	0	0
0.023145	0.009188	0	0	0	0	0	0
0.185871	0.039819	0.06	0	0	0	0	0
0.931444	0.796418	0	0	0	0	7	7
0.994426	0.996834	0	0	0	0	0	0
0.20933	0.214803	0	0	0	0	0	0
0.428759	0.457225	0	0	0	0	0	0
0.523623	0.407191	0	0	0	0	0	0
0.996379	0.967621	0	0	0	0	0	0
0.013859	0.032693	0	0	0	0	0	0
0.998428	0.880616	0.07	0	0	0	0	0
0.996759	0.993198	0	0	0	0	0	0
0.974863	0.916523	0	0	0	0	0	0
0.986862	0.840491	0.08	0	0	0	0	0
0.903696	0.512065	0.26	0	0	0	0	0
0.950371	0.946937	0	0	0	0	0	0
0.957299	0.982432	0	0	0	0	0	0
0.954574	0.94361	0	0	0	0	0	0
0.952209	0.946709	0	0	0	0	0	0
0.011662	0.006285	0	0	0	0	0	0
0.030178	0.010462	0	0	0	0	0	0
0.87769	0.894651	0	0	0	4	0	0
0.748355	0.811913	0	0	0	0	0	0
0.962015	0.941674	0	0	0	0	0	0
0.969147	0.956384	0	0	0	0	0	0
0.983132	0.976024	0	0	12	18	3	3

0.981219	0.986079	0	0	0	0	0	0
0.99576	0.99134	0	0	0	0	0	0
0.251153	0.316068	0	0	0	0	0	0
0.982045	0.9811	0	0	0	0	0	0
0.016811	0.068488	0	0	0	0	0	0
0.975478	0.977591	0	0	0	0	0	0
0.035934	0.031086	0	0	0	0	0	0
0.990422	0.985177	0	0	0	0	0	0
0.991827	0.973113	0	0	0	0	0	0
0.972551	0.977739	0	0	0	0	0	0
0.990506	0.975836	0	0	0	0	0	0
0.965242	0.955824	0	0	0	0	0	0
0.970866	0.976327	0	0	0	0	0	0
0.997218	0.983437	0	0	0	0	0	0
0.011736	0.009475	0	0	0	0	0	0
0.993182	0.967698	0	0	0	0	0	0
0.658785	0.758481	0	0	0	0	0	0
0.029482	0.026171	0	0	0	0	0	0
0.049235	0.036255	0	0	0	0	0	0
0.991831	0.955761	0	0	0	0	0	0
0.976167	0.924629	0	0	0	0	0	0
0.970682	0.901323	0	0	0	0	0	0
0.995034	0.99318	0	0	0	0	0	0
0.995846	0.99238	0	0	0	0	0	0
0.995733	0.993865	0	0	0	0	0	0
0.975131	0.952775	0	0	0	0	0	0
0.98447	0.993425	0	0	0	0	0	0
0.979538	0.939793	0	0	0	0	0	0
0.993507	0.987461	0	0	0	0	0	0
0.368721	0.282477	0	0	0	0	0	0
0.241484	0.279722	0	0	0	0	0	0
0.589864	0.650615	0	0	0	0	0	0
0.989815	0.938404	0	0	0	0	0	0
0.949997	0.721945	0.1	0	0	0	0	0
0.988646	0.992677	0	0	0	0	0	0
0.998671	0.998426	0	0	0	0	0	0
0.998961	0.997125	0	0	0	0	0	0
0.004286	0.012089	0	0	0	0	0	0
0.99866	0.997787	0	0	0	0	0	0
0.002238	0.004935	0	0	0	0	0	0
0.997339	0.996716	0	0	0	0	0	0
0.986552	0.992178	0	0	0	0	0	0
0.988908	0.994183	0	0	0	0	0	0
0.991791	0.998928	0	0	0	0	0	0
0.952187	0.954403	0	0	0	0	0	0
0.962193	0.971547	0	0	0	0	0	0
0.981297	0.940345	0	0	0	0	0	0

0.686545	0.72671	0	0	0	0	0	0
0.038881	0.0441	0	0	0	0	0	0
0.963967	0.974945	0	0	0	0	0	0
0.110323	0.139918	0	0	0	0	0	0
0.830534	0.865063	0	0	0	0	0	0
0.960985	0.964209	0	0	0	0	0	0
0.973125	0.794152	0	0	0	0	0	0
0.987435	0.971034	0	0	0	0	0	0
0.124473	0.532656	0.04	0	0	0	0	0
0.961821	0.869237	0	0	0	0	0	0
0.944663	0.847702	0	0	0	0	0	0
0.977502	0.890639	0	0	0	0	0	0
0.990683	0.958868	0	0	0	0	0	0
0.91329	0.802556	0	0	0	0	0	0
0.001335	0.000789	0	0	0	0	0	0
0.971513	0.954661	0	0	0	0	0	0
0.981629	0.928233	0	0	0	0	0	0
0.976553	0.957061	0	0	0	0	0	0
0.961994	0.935685	0	0	0	0	0	0
0.039643	0.174274	0	0	0	0	0	0
0.98934	0.979822	0	0	0	0	0	0
0.025501	0.040377	0	0	0	0	0	0
0.990353	0.96963	0	0	0	0	0	0
0.990092	0.983135	0	0	0	0	0	0
0.984518	0.979966	0	0	0	0	0	0
0.983243	0.862766	0.03	0	0	0	0	0
0.987922	0.988546	0	0	0	0	0	0
0.009632	0.007076	0	0	0	0	0	0
0.995139	0.991344	0	0	0	0	0	0
0.992851	0.99359	0	0	0	0	0	0
0.009105	0.005086	0	0	0	0	0	0
0.980952	0.951585	0	0	0	0	0	0
0.995603	0.99595	0	0	0	0	0	0
0.991964	0.993356	0	0	0	0	0	0
0.054923	0.029558	0	0	0	0	0	0
0.023759	0.059338	0	0	0	0	0	0
0.995352	0.996177	0	0	0	0	0	0
0.720868	0.825762	0	0	0	0	0	0
0.079186	0.020144	0	0	0	0	0	0
0.014877	0.007888	0	0	0	0	0	0
0.971816	0.996132	0	0	0	0	0	0
0.025964	0.300876	0.07	0	0	0	0	0
0.988892	0.994321	0	0	0	0	0	0
0.436566	0.216174	0.04	0	0	0	0	0
0.997039	0.995808	0	0	0	0	0	0
0.995104	0.963777	0.02	0	0	0	0	0
0.956849	0.906504	0.01	0	0	0	0	0

0.516783	0.614175	0	0	0	0	0	0
0.993764	0.98833	0	0	0	0	0	0
0.996588	0.991025	0	0	0	0	0	0
0.976815	0.977137	0	0	0	0	0	0
0.989893	0.991742	0	0	0	0	0	0
0.967529	0.960039	0	0	0	0	0	0
0.961234	0.948334	0	0	0	0	0	0
0.941708	0.932377	0	0	0	0	0	0
0.824514	0.355793	0.29	0	0	0	0	0
0.988127	0.983764	0	0	0	0	0	0
0.988772	0.970243	0	0	0	0	0	0
0.989498	0.964975	0	0	0	0	0	0
0.062696	0.102395	0	0	0	0	0	0
0.979888	0.94077	0	0	0	0	0	0
0.981768	0.939736	0	0	0	0	0	0
0.973951	0.839288	0	0	0	0	0	0
0.988871	0.967258	0	0	0	0	0	0
0.990895	0.960285	0	0	0	0	0	0
0.954916	0.906167	0	0	0	0	0	0
0.262497	0.112359	0	0	0	0	0	0
0.983005	0.917135	0	0	0	0	0	0
0.95992	0.950784	0	0	0	0	0	0
0.971642	0.953144	0	0	0	0	0	0
0.949793	0.978598	0	0	0	0	0	0
0.959441	0.978678	0	0	0	0	0	0
0.936713	0.97967	0	0	0	0	0	0
0.914376	0.890106	0	0	0	0	0	0
0.869223	0.95145	0	0	0	0	0	0
0.966352	0.972902	0	0	0	0	0	0
0.987431	0.787732	0.02	0	0	0	0	0
0.049981	0.013165	0	0	0	0	0	0
0.985127	0.964399	0	0	0	0	0	0
0.963266	0.963736	0	0	0	0	0	0
0.960577	0.9462	0	0	0	0	0	0
0.975553	0.91091	0	0	0	0	0	0
0.948661	0.955134	0	0	0	0	0	0
0.977777	0.972367	0	0	0	0	0	0
0.98855	0.94485	0	0	0	0	1	0
0.989627	0.989062	0	0	0	0	0	0
0.01415	0.008561	0	0	0	0	0	0
0.964443	0.967334	0	0	0	0	0	0
0.960878	0.935397	0	0	0	0	0	0
0.923021	0.943665	0	0	0	0	0	0
0.960764	0.960412	0	0	0	0	0	0
0.961738	0.967469	0	0	0	0	0	0
0.967314	0.971162	0	0	0	0	0	0
0.958745	0.957504	0	0	0	0	0	0

0.810875	0.470721	0	0	0	0	0	0
0.955681	0.95495	0	0	0	0	0	0
0.957876	0.967069	0	0	0	0	0	0
0.975125	0.92939	0	0	0	0	0	0
0.041933	0.058585	0	0	0	0	0	0
0.982701	0.957373	0	0	0	0	0	0
0.035403	0.051088	0	0	0	0	0	0
0.969652	0.965478	0	0	0	0	0	0
0.988909	0.993992	0	0	0	0	0	0
0.992369	0.977308	0	0	0	0	0	0
0.72657	0.235837	0.1	0	0	0	0	0
0.851625	0.909897	0	0	0	0	0	0
0.954742	0.926888	0	0	0	0	0	0
0.827549	0.724114	0	0	0	0	0	0
0.782396	0.681125	0	0	0	0	0	0
0.995397	0.993102	0	0	0	0	0	0
0.994606	0.995116	0	0	0	0	0	0
0.011798	0.010911	0	0	0	0	0	0
0.987481	0.970949	0	0	0	0	0	0
0.995443	0.996034	0	0	1	0	0	0
0.027863	0.122128	0.02	0	0	0	0	0
0.874098	0.489648	0.27	0	0	0	0	0
0.846071	0.95377	0.03	0	0	0	0	0
0.093226	0.461918	0.14	0	0	0	0	0
0.988254	0.990563	0	0	0	0	0	0
0.992273	0.985733	0	0	0	0	0	0
0.994549	0.992646	0	0	0	0	0	0
0.430133	0.288982	0	0	0	0	0	0
0.994443	0.972065	0	0	0	0	0	0
0.977467	0.982232	0	0	0	0	0	0
0.983949	0.962416	0	0	0	0	0	0
0.184989	0.281847	0	0	0	0	0	0
0.919653	0.904803	0	0	0	0	0	0
0.972791	0.611753	0.16	0	0	0	0	0
0.98456	0.627747	0.18	0	0	0	0	0
0.975721	0.94499	0	0	0	0	1	1
0.969955	0.778903	0.01	1	0	0	0	0
0.974256	0.828595	0	0	0	0	0	0
0.991708	0.974275	0	0	0	0	0	0
0.289614	0.154185	0	0	0	0	0	0
0.251253	0.178149	0	0	0	0	0	0
0.748954	0.776453	0	0	0	0	0	0
0.880405	0.921148	0	0	0	0	0	0
0.964802	0.946662	0	0	0	0	0	0
0.969014	0.940238	0	0	0	0	0	0
0.50733	0.563808	0	0	0	0	0	0
0.062694	0.27156	0	0	0	0	0	0

0.989782	0.992918	0	0	0	0	0	0
0.016937	0.012583	0	0	0	0	0	0
0.978225	0.985673	0	0	0	0	0	0
0.025463	0.046415	0	0	0	0	0	0
0.98676	0.965593	0	0	0	0	0	0
0.007643	0.012086	0	0	0	0	0	0
0.996081	0.996115	0	0	0	0	0	0
0.989996	0.984789	0	0	0	0	0	0
0.031366	0.035651	0	0	0	0	0	0
0.063516	0.192769	0	0	0	0	0	0
0.973	0.609761	0.1	0	0	0	0	0
0.052868	0.134208	0	0	0	0	0	0
0.996239	0.983362	0	0	0	0	0	0
0.996164	0.382526	0.43	0	0	0	0	0
0.990155	0.975854	0	0	0	0	0	0
0.997894	0.995844	0	0	0	0	0	0
0.994179	0.974685	0	0	0	0	0	0
0.941318	0.302947	0.53	0	0	0	0	0
0.974044	0.951312	0	0	0	0	0	0
0.982818	0.975177	0	0	0	0	0	0
0.954212	0.462251	0.32	0	0	0	0	0
0.993306	0.981629	0	0	0	0	0	0
0.068897	0.037133	0	0	0	0	0	0
0.992574	0.962638	0	0	0	0	0	0
0.99445	0.981484	0	0	0	0	0	0
0.994186	0.891741	0	0	0	0	0	0
0.993304	0.971499	0	0	0	0	0	0
0.006895	0.027198	0	0	0	0	0	0
0.960637	0.979676	0	0	0	0	0	0
0.946235	0.956815	0	0	0	0	0	0
0.928319	0.948343	0	0	0	0	0	0
0.94391	0.895147	0	0	0	0	0	0
0.956118	0.978526	0	0	0	0	0	0
0.988265	0.362939	0.43	0	0	0	0	0
0.99206	0.983942	0	0	0	0	0	0
0.019909	0.034424	0	0	0	0	0	0
0.997618	0.997206	0	0	0	0	0	0
0.028485	0.025686	0	0	0	1	0	0
0.43421	0.480404	0	0	0	0	0	0
0.989865	0.831447	0.06	0	0	0	0	0
0.995233	0.921482	0.02	0	0	0	0	0
0.977575	0.986209	0	0	0	0	0	0
0.996706	0.994522	0	0	0	0	0	0
0.995271	0.905897	0.04	0	0	0	0	0
0.975097	0.896736	0.02	0	0	0	0	0
0.98086	0.936378	0	0	0	0	0	0
0.99691	0.995661	0	0	0	0	0	0

0.003072	0.004851	0	0	0	0	0	0
0.996306	0.952139	0.02	0	0	0	0	0
0.997114	0.997786	0	0	0	0	0	0
0.04078	0.032004	0.01	0	0	0	0	0
0.005623	0.012556	0	0	4	0	0	0
0.931451	0.982774	0	0	0	0	0	0
0.986623	0.849616	0.01	0	0	0	0	0
0.97926	0.994997	0	0	0	0	0	0
0.977714	0.994153	0	0	0	0	0	0
0.995933	0.971662	0	0	0	0	0	0
0.996614	0.978476	0	0	0	0	0	0
0.999132	0.986991	0	0	0	0	0	0
0.850708	0.892181	0	0	0	0	0	0
0.985057	0.988331	0	0	0	0	0	0
0.012858	0.02473	0	0	0	0	0	0
0.984145	0.983002	0	0	0	0	0	0
0.981631	0.97783	0	0	0	0	0	0
0.984819	0.978787	0	0	0	0	0	0
0.993164	0.966382	0	0	0	0	0	0
0.987701	0.97557	0	0	0	0	0	0
0.989634	0.993566	0	0	0	0	0	0
0.017638	0.009583	0	0	0	0	0	0
0.994593	0.997569	0	0	0	0	0	0
0.993609	0.985571	0	0	0	0	0	0
0.022413	0.026459	0	0	0	0	0	0
0.989636	0.984037	0	0	0	0	0	0
0.993426	0.896645	0.03	0	0	0	0	0
0.983361	0.988715	0	0	0	0	0	0
0.984376	0.976455	0	0	0	0	0	0
0.988323	0.993038	0	0	0	0	0	0
0.992873	0.993194	0	0	0	0	0	0
0.983425	0.991771	0	0	0	0	0	0
0.988047	0.963416	0	0	0	0	0	0
0.935887	0.997928	0.01	0	0	0	0	0
0.987654	0.98064	0	0	0	0	0	0
0.985798	0.959979	0	0	0	0	0	0
0.888051	0.928579	0	0	0	0	0	0
0.407594	0.632398	0	0	0	0	0	0
0.894973	0.773365	0	0	0	0	0	0
0.822208	0.973167	0.01	0	0	0	0	0
0.94904	0.989841	0	0	0	0	0	0
0.993858	0.982506	0	0	0	0	0	0
0.981121	0.76741	0.1	0	0	0	0	0
0.066383	0.139093	0	0	0	0	0	0
0.10199	0.103095	0	0	0	0	0	0
0.054197	0.075535	0	0	0	0	0	0
0.00833	0.006845	0	0	0	0	0	0

0.988061	0.985745	0	0	0	0	0	0
0.992374	0.988483	0	0	0	0	0	0
0.979661	0.982168	0	0	0	0	0	0
0.972536	0.945169	0	0	0	0	0	0
0.965861	0.964885	0	0	0	0	0	0
0.960278	0.965958	0	0	0	0	0	0
0.939038	0.919947	0	0	0	0	0	0
0.968381	0.948594	0	0	0	0	0	0
0.941472	0.8674	0	0	0	0	0	0
0.94375	0.896178	0	0	0	0	0	0
0.992305	0.986096	0	0	0	0	0	0
0.959485	0.71293	0.05	0	0	0	0	0
0.985758	0.986512	0	0	0	0	0	0
0.979153	0.982101	0	0	0	0	0	0
0.991579	0.967856	0	0	0	0	0	0
0.872426	0.787355	0	0	0	0	0	0
0.991258	0.949091	0	0	0	0	0	0
0.995994	0.980488	0	0	0	0	0	0
0.925418	0.807835	0	0	0	0	0	0
0.991459	0.984754	0	0	0	0	0	0
0.016419	0.013073	0	0	0	0	0	0
0.985751	0.961026	0	0	0	0	0	0
0.098654	0.108783	0	0	0	0	0	0
0.99329	0.943654	0	0	0	0	0	0
0.982108	0.925838	0	0	0	0	0	0
0.047521	0.041288	0	0	0	0	0	0
0.984593	0.981005	0	0	0	0	0	0
0.989979	0.987856	0	0	0	0	0	0
0.023422	0.038939	0	0	0	0	0	0
0.985617	0.988155	0	0	0	0	0	0
0.991356	0.989509	0	0	0	0	0	0
0.992622	0.989261	0	0	0	0	0	0
0.993951	0.993054	0	0	0	0	0	0
0.994913	0.997541	0	0	0	0	0	0
0.994081	0.98886	0	0	0	0	0	0
0.011247	0.016678	0	0	0	0	0	0
0.203034	0.329163	0	0	0	0	0	0
0.976927	0.961303	0	0	0	0	1	1
0.989315	0.982319	0	0	0	0	0	0
0.989236	0.989313	0	0	0	0	0	0
0.97928	0.959721	0	0	0	0	0	0
0.981613	0.995437	0	0	0	0	0	0
0.027585	0.056137	0	0	5	0	0	0
0.9902	0.981143	0	0	5	0	0	0
0.023674	0.077157	0	0	0	0	0	0
0.987469	0.986578	0	0	0	0	0	0
0.984407	0.988035	0	0	0	0	0	0

0.987277	0.966118	0	0	0	0	0	0
0.991653	0.98052	0	0	0	0	0	0
0.024779	0.015553	0	0	0	0	0	0
0.078061	0.11969	0	0	0	0	0	0
0.983734	0.984357	0	0	0	0	0	0
0.97728	0.975167	0	0	0	0	0	0
0.990076	0.971911	0	0	0	0	0	0
0.990087	0.981824	0	0	0	0	0	0
0.937439	0.950326	0	0	0	0	0	0
0.93439	0.909043	0	0	0	0	0	0
0.937449	0.932986	0	0	0	0	0	0
0.967708	0.968503	0	0	0	0	0	0
0.202062	0.070186	0	0	0	0	0	0
0.46528	0.428809	0	0	0	0	0	0
0.987922	0.939887	0	0	0	0	0	0
0.982565	0.963805	0	0	0	0	0	0
0.970294	0.96633	0	0	0	0	0	0
0.987857	0.923114	0	0	0	0	0	0
0.977618	0.960446	0	0	0	0	0	0
0.028891	0.081864	0	0	0	0	0	0
0.939491	0.740768	0	0	0	0	0	0
0.997928	0.99604	0	0	0	0	0	0
0.996069	0.99375	0	0	0	0	0	0
0.998784	0.996773	0	0	0	0	0	0
0.987435	0.993314	0	0	0	0	0	0
0.01325	0.01512	0	0	0	0	0	0
0.835351	0.96949	0.03	0	0	0	0	0
0.99184	0.982054	0	0	0	0	0	0
0.990622	0.970647	0	0	0	0	0	0
0.982584	0.973902	0	0	0	0	0	0
0.989803	0.964629	0	0	0	0	0	0
0.994742	0.961757	0	0	0	0	0	0
0.995029	0.983387	0	0	0	0	0	0
0.995908	0.98339	0	0	0	0	0	0
0.992891	0.979712	0	0	0	0	0	0
0.993825	0.987088	0	0	0	0	0	0
0.994515	0.974019	0	0	0	0	0	0
0.996933	0.993131	0	0	0	0	0	0
0.996652	0.992952	0	0	0	0	0	0
0.993942	0.984563	0	0	0	0	0	0
0.993278	0.993636	0	0	0	0	0	0
0.145538	0.095039	0	0	0	0	0	0
0.994839	0.982363	0	0	0	0	0	0
0.693265	0.552384	0	0	0	0	0	0
0.995867	0.979242	0	0	0	0	0	0
0.983937	0.977148	0	0	0	0	0	0
0.457427	0.731027	0.06	0	0	0	0	0

0.149976	0.090935	0	0	0	0	0	0
0.166467	0.037784	0.02	0	0	0	0	0
0.992478	0.997681	0	0	0	0	0	0
0.985814	0.99152	0	0	0	0	0	0
0.994219	0.990159	0	0	0	0	0	0
0.995554	0.992513	0	0	0	0	0	0
0.993086	0.994082	0	0	0	0	0	0
0.992221	0.988702	0	0	0	0	0	0
0.019962	0.015485	0	0	0	0	0	0
0.979944	0.919768	0.01	0	0	0	0	0
0.958947	0.951935	0	0	0	0	0	0
0.942785	0.940264	0	0	0	0	0	0
0.955762	0.682464	0.01	0	0	0	0	0
0.971896	0.828996	0	0	0	0	0	0
0.972372	0.845175	0	0	0	0	0	0
0.870382	0.959319	0	0	0	0	0	0
0.735597	0.758584	0	0	0	0	0	0
0.959526	0.952127	0	0	0	0	0	0
0.999365	0.999597	0	6	0	0	0	0
0.997813	0.888239	0.07	0	0	0	0	6
0.006313	0.005849	0	0	0	0	0	0
0.998692	0.99434	0	0	0	0	0	0
0.980913	0.974259	0	0	0	0	0	0
0.979345	0.991971	0	0	0	0	0	0
0.980729	0.981347	0	0	0	0	0	0
0.986495	0.989053	0	0	0	0	0	0
0.962671	0.787445	0	0	0	0	0	0
0.982748	0.971188	0	0	0	0	0	0
0.984552	0.99081	0	0	0	0	0	0
0.986611	0.996685	0	0	0	0	0	0
0.993066	0.983637	0	0	0	0	0	0
0.989214	0.992404	0	0	0	0	0	0
0.984773	0.989211	0	0	0	0	0	0
0.005	0.003244	0	0	0	0	0	0
0.998833	0.998454	0	0	0	0	0	0
0.997659	0.997617	0	0	0	0	0	0
0.950625	0.709177	0.15	0	0	0	0	0
0.710882	0.704285	0	0	0	0	0	0
0.984926	0.985528	0	0	0	0	0	0
0.972291	0.981453	0	0	0	0	0	0
0.957504	0.991106	0	0	0	0	0	0
0.969733	0.992937	0	0	0	0	0	0
0.963536	0.992902	0	0	0	0	0	0
0.957993	0.990172	0	0	0	0	0	0
0.954268	0.978785	0	0	0	0	0	0
0.941806	0.98574	0	0	0	0	0	0
0.04235	0.012239	0	0	0	0	0	0

0.936598	0.97571	0	0	0	0	0	0
0.931246	0.992225	0	0	0	0	0	0
0.915492	0.879727	0	0	0	0	0	0
0.98773	0.955933	0	0	0	0	0	0
0.995848	0.950919	0	0	0	0	0	0
0.880048	0.773672	0	0	0	0	0	0
0.793577	0.654597	0	0	0	0	0	0
0.017709	0.154112	0	0	0	0	0	0
0.165262	0.023023	0.04	6	2	3	5	5
0.107388	0.014163	0.01	0	7	7	18	13
0.007211	0.00277	0	0	0	0	0	0
0.973303	0.994796	0	0	0	0	0	0
0.999071	0.999468	0	0	0	0	0	0
0.999171	0.999205	0	0	0	0	0	0
0.916806	0.893866	0	0	0	0	0	0
0.431386	0.259432	0	0	0	0	0	0
0.709151	0.916147	0.14	0	1	0	1	1
0.998346	0.998232	0	0	0	0	0	0
0.002078	0.002016	0	0	0	4	0	0
0.997275	0.99253	0	0	0	0	0	0
0.054077	0.013469	0.02	0	0	0	0	0
0.013746	0.041158	0	0	0	0	0	0
0.998773	0.996289	0	0	0	0	0	0
0.999129	0.998919	0	0	0	0	0	0
0.998891	0.993519	0	0	0	0	0	0
0.913587	0.756694	0.03	0	0	0	0	0
0.997014	0.993563	0	0	0	0	0	0
0.024739	0.03692	0	0	0	0	0	0
0.9966	0.995394	0	0	0	0	0	0
0.031418	0.029604	0	0	0	0	0	0
0.983833	0.969464	0	0	0	0	0	0
0.98307	0.977124	0	0	0	0	0	0
0.731507	0.524399	0	0	0	0	0	0
0.966109	0.92875	0	0	0	0	0	0
0.014299	0.082745	0	0	0	0	0	0
0.985669	0.966137	0	0	0	0	0	0
0.985974	0.896777	0	0	0	0	0	0
0.984473	0.980835	0	0	0	0	0	0
0.986181	0.983756	0	0	0	0	0	0
0.987817	0.952901	0	0	0	0	0	0
0.977797	0.969141	0	0	0	0	0	0
0.989283	0.986585	0	0	0	0	0	0
0.980922	0.982485	0	0	0	0	0	0
0.988348	0.981049	0	0	0	0	0	0
0.977084	0.963508	0	0	0	0	0	0
0.967156	0.967484	0	0	0	0	0	0
0.974376	0.949624	0	0	0	0	0	0

0.961415	0.942998	0	0	0	0	0	0
0.987508	0.990903	0	0	0	0	0	0
0.966785	0.955878	0	0	0	0	0	0
0.977099	0.952085	0	0	0	0	0	0
0.031858	0.027648	0	0	0	0	0	0
0.983959	0.988786	0	0	0	0	0	0
0.059119	0.064132	0	0	0	0	0	0
0.034598	0.024194	0	0	0	0	0	0
0.985161	0.988907	0	0	0	0	0	0
0.036489	0.042544	0	0	0	0	0	0
0.94198	0.943939	0	0	0	0	0	0
0.969088	0.971365	0	0	0	0	0	0
0.971452	0.971241	0	0	0	0	0	0
0.984316	0.967911	0	0	0	0	0	0
0.985133	0.983806	0	0	0	0	0	0
0.979959	0.974056	0	0	0	0	0	0
0.006411	0.039058	0	0	0	0	0	0
0.99654	0.990332	0	0	0	0	0	0
0.994582	0.9326	0	0	0	0	0	0
0.995185	0.99231	0	0	0	0	0	0
0.983229	0.907045	0	0	0	0	0	0
0.99178	0.98619	0	0	0	0	0	0
0.994491	0.997396	0	0	0	0	0	0
0.010879	0.021261	0	0	0	0	0	0
0.00678	0.00407	0	0	0	0	0	0
0.997695	0.999361	0	0	0	0	0	0
0.996727	0.976934	0	0	0	0	0	0
0.997234	0.999323	0	0	0	0	0	0
0.997049	0.999438	0	0	0	0	0	0
0.003963	0.003388	0	0	0	0	0	0
0.962829	0.946075	0	0	0	0	0	0
0.999223	0.997664	0	0	0	0	0	0
0.986133	0.994993	0	0	0	0	0	0
0.923225	0.929273	0	0	0	0	0	0
0.003029	0.00246	0	0	0	0	0	0
0.999293	0.998641	0	0	0	0	0	0
0.009508	0.019705	0	0	0	0	0	0
0.999294	0.999105	0	0	0	0	0	0
0.968912	0.933914	0.04	0	0	0	0	0
0.996003	0.980746	0.01	0	0	0	0	0
0.999348	0.999717	0	0	0	0	0	0
0.001829	0.002544	0	0	0	0	0	0
0.999316	0.999691	0	0	0	0	0	0
0.386706	0.236521	0.09	0	0	0	0	0
0.056582	0.050197	0	0	0	0	0	0
0.987481	0.984321	0	0	0	0	0	0
0.999379	0.999577	0	0	0	0	0	0

0.999101	0.999142	0	0	0	0	0	0
0.002434	0.001565	0	0	0	0	0	0
0.935994	0.910161	0	0	0	0	0	0
0.769248	0.883319	0	0	0	0	0	0
0.98106	0.995142	0	0	0	0	0	0
0.002678	0.01471	0	0	0	0	0	0
0.999103	0.992659	0	0	0	0	0	0
0.003617	0.001326	0	0	0	0	0	0
0.998784	0.998109	0	0	0	0	0	0
0.99682	0.989583	0	0	0	0	0	0
0.999003	0.996615	0	0	0	0	0	0
0.006579	0.001681	0	0	4	0	0	0
0.107863	0.030256	0.01	0	0	0	0	0
0.999341	0.997824	0	0	0	0	0	0
0.998034	0.984392	0	0	0	0	2	2
0.999468	0.999553	0	2	0	0	0	0
0.999171	0.999026	0	0	0	0	0	0
0.999413	0.999283	0	0	0	0	0	0
0.999009	0.999239	0	0	0	0	0	0
0.998183	0.996998	0	0	0	0	0	0
0.033873	0.041382	0	0	0	0	0	0
0.008272	0.006561	0	0	0	0	0	0
0.005062	0.015143	0	0	0	0	0	0
0.842322	0.800726	0	0	0	0	0	0
0.998952	0.997907	0	0	0	0	0	0
0.001901	0.003443	0	0	0	0	0	0
0.960805	0.985497	0	0	0	0	0	0
0.331242	0.816644	0.24	0	0	0	0	0
0.975512	0.826547	0.08	0	0	0	0	0
0.99605	0.971929	0	0	0	0	0	0
0.997867	0.989738	0	0	0	0	0	0
0.99799	0.993582	0	0	0	0	0	0
0.997333	0.995641	0	0	0	0	0	0
0.194211	0.169355	0	0	0	0	0	0
0.935468	0.745692	0.14	0	0	0	1	1
0.945181	0.703085	0.18	0	0	0	0	0
0.999166	0.999128	0	0	0	0	0	0
0.978665	0.973147	0.01	0	0	0	0	0
0.018454	0.006722	0	0	0	0	0	0
0.033677	0.034426	0	0	0	0	0	0
0.975796	0.963825	0	0	0	0	0	0
0.733842	0.96265	0.11	0	0	0	0	0
0.955985	0.959999	0	0	0	0	0	0
0.997825	0.997703	0	0	0	0	0	0
0.994634	0.999519	0	0	0	0	0	0
0.995203	0.998036	0	0	0	0	0	0
0.973261	0.975161	0	0	0	0	0	0

0.982108	0.977758	0	0	0	0	0	0
0.982118	0.978752	0	0	0	0	0	0
0.984201	0.979365	0	0	0	0	0	0
0.970613	0.96688	0	0	0	0	0	0
0.328824	0.330142	0	0	0	0	0	0
0.983881	0.995547	0	0	0	0	0	0
0.963129	0.977295	0	0	0	0	0	0
0.009839	0.029637	0	0	0	0	0	0
0.995434	0.980806	0	0	0	0	0	0
0.992868	0.989594	0	0	0	0	0	0
0.999066	0.9994	0	0	0	0	0	0
0.993061	0.973842	0.01	0	0	0	0	0
0.006118	0.003266	0	0	0	0	0	0
0.004932	0.005087	0	0	0	0	0	0
0.997887	0.995168	0	0	0	0	0	0
0.006468	0.009757	0	0	0	0	0	0
0.006532	0.011525	0	0	0	0	0	0
0.99721	0.995107	0	0	0	0	0	0
0.995453	0.996709	0	0	0	0	0	0
0.996285	0.997393	0	0	0	0	0	0
0.263982	0.3396	0	0	0	0	0	0
0.998427	0.998357	0	0	0	0	0	0
0.991625	0.989807	0	0	0	0	2	3
0.99871	0.998229	0	0	0	0	0	0
0.980088	0.977936	0	0	0	0	0	0
0.990047	0.916533	0.03	0	0	0	0	0
0.008739	0.019756	0	0	0	0	0	0
0.990199	0.992466	0	0	0	0	0	0
0.994345	0.996286	0	0	0	0	0	0
0.987783	0.945894	0.01	0	0	0	0	0
0.141052	0.321084	0	0	0	0	0	0
0.005223	0.003582	0	0	0	0	0	0
0.003498	0.003383	0	0	0	0	0	0
0.998583	0.996457	0	0	0	0	0	0
0.996365	0.996303	0	0	0	0	0	0
0.003836	0.012119	0	0	0	0	0	0
0.006472	0.009053	0	0	0	0	0	0
0.999069	0.999132	0	0	0	0	0	0
0.280731	0.537888	0.04	0	0	0	0	0
0.721816	0.623456	0	0	0	0	0	0
0.982703	0.940576	0	0	0	0	0	0
0.994573	0.999068	0	0	0	0	0	0
0.969321	0.995022	0	0	0	0	0	0
0.016835	0.013371	0	0	0	0	0	0
0.979199	0.992108	0	0	0	0	0	0
0.987106	0.987448	0	0	0	0	0	0
0.965456	0.984517	0	0	0	0	0	0

0.883094	0.943457	0	0	0	0	0	0
0.993452	0.974806	0	0	0	0	0	0
0.994814	0.990277	0	0	0	0	0	0
0.991857	0.960644	0	0	0	0	0	0
0.990837	0.961356	0	0	0	0	0	0
0.988855	0.978096	0	0	0	0	0	0
0.989429	0.976848	0	0	0	0	0	0
0.982993	0.990514	0	0	0	0	0	0
0.793963	0.675103	0	0	0	0	0	0
0.972209	0.972856	0	0	0	0	0	0
0.979713	0.982202	0	0	0	0	0	0
0.964133	0.936509	0	0	0	0	0	0
0.977232	0.969344	0	0	0	0	0	0
0.983921	0.962663	0	0	0	0	0	0
0.936789	0.962058	0	0	0	0	0	0
0.977125	0.957803	0	0	0	0	0	0
0.984342	0.979007	0	0	0	0	0	0
0.364905	0.893379	0.29	0	0	0	0	0
0.046211	0.060549	0	0	0	0	0	0
0.863733	0.918103	0	0	0	0	0	0
0.048997	0.057344	0	0	0	2	2	2
0.94261	0.970898	0	0	0	4	0	0
0.981531	0.974925	0	0	0	0	0	0
0.062319	0.06273	0	0	0	0	0	0
0.997262	0.997838	0	0	0	0	0	0
0.003859	0.003081	0	0	0	0	0	0
0.003729	0.001538	0	0	0	0	0	0
0.003468	0.002089	0	0	0	0	0	0
0.756968	0.814487	0	0	0	0	0	0
0.113538	0.218006	0.03	0	0	0	0	0
0.002351	0.002754	0	7	0	0	0	0
0.994106	0.995268	0	0	0	0	0	0
0.84958	0.89412	0	0	0	0	0	0
0.990893	0.996563	0	0	0	0	0	0
0.997986	0.99301	0	0	0	0	0	0
0.49285	0.633202	0.02	0	0	0	0	0
0.99428	0.99252	0	0	0	0	0	0
0.988527	0.988468	0	0	0	0	0	0
0.002801	0.003191	0	0	0	0	0	0
0.994807	0.994948	0	0	0	0	0	0
0.00289	0.008079	0	0	0	0	0	0
0.997496	0.997159	0	0	0	0	0	0
0.989024	0.963863	0	0	0	0	0	0
0.001949	0.018888	0	0	0	0	0	0
0.996209	0.979427	0	0	0	0	0	0
0.993934	0.987873	0	0	0	0	0	0
0.996298	0.987984	0	0	0	0	0	0

0.961998	0.980594	0	0	2	0	0	0
0.937273	0.962798	0	0	2	0	0	0
0.975586	0.982453	0	0	2	0	0	0
0.995766	0.99348	0	0	0	0	0	0
0.991801	0.860823	0.05	0	0	0	0	0
0.995002	0.99426	0	0	0	0	0	0
0.055138	0.185057	0	0	0	0	0	0
0.997711	0.997344	0	0	0	0	0	0
0.010848	0.013476	0	0	0	0	0	0
0.551497	0.423741	0.02	0	0	0	0	0
0.997261	0.988029	0	0	0	0	0	0
0.989295	0.895923	0.04	0	0	0	0	0
0.899298	0.897012	0	0	0	0	0	0
0.016993	0.02785	0	0	0	0	0	0
0.990011	0.90319	0.04	0	0	0	0	0
0.966805	0.957415	0	0	0	0	0	0
0.990922	0.973295	0	0	0	0	0	0
0.986621	0.987702	0	0	0	0	0	0
0.010113	0.032476	0	0	0	0	0	0
0.989641	0.977587	0	0	0	0	0	0
0.994977	0.983842	0	0	0	0	0	0
0.94374	0.884085	0	0	0	0	0	0
0.940469	0.889892	0	0	0	0	0	0
0.062109	0.038709	0	0	0	0	0	0
0.987956	0.958464	0	0	0	0	0	0
0.051606	0.039397	0	0	0	0	0	0
0.988301	0.990963	0	0	0	0	0	0
0.99891	0.995906	0	0	0	0	0	0
0.79569	0.095563	0.64	0	0	0	0	0
0.003473	0.00729	0	0	0	0	0	0
0.991087	0.985762	0	0	0	0	0	0
0.002157	0.003595	0	0	0	0	0	0
0.995556	0.982553	0	0	0	0	0	0
0.993571	0.983586	0	0	0	0	0	0
0.285434	0.037691	0.12	0	0	0	0	0
0.894439	0.164647	0.68	0	0	1	5	0
0.135748	0.189358	0	0	0	0	0	0
0.489136	0.551606	0.01	0	0	0	0	0
0.992253	0.986297	0	0	0	0	0	0
0.993213	0.987877	0	0	0	0	0	0
0.247672	0.594677	0	0	0	0	0	0
0.054818	0.039161	0	0	0	0	0	0
0.055299	0.024716	0	0	0	0	0	0
0.067601	0.021233	0	0	0	0	0	0
0.98248	0.972381	0	0	0	0	0	0
0.994836	0.990565	0	0	0	0	0	0
0.993148	0.988486	0	0	0	0	0	0

0.995232	0.98653	0	0	0	0	0	0
0.974871	0.957342	0	0	0	0	0	0
0.992759	0.973182	0	0	0	0	0	0
0.99265	0.986667	0	0	0	0	0	0
0.993817	0.986989	0	0	0	0	0	0
0.006355	0.011358	0	0	0	0	0	0
0.999098	0.998865	0	0	0	0	0	0
0.49235	0.27222	0.11	0	0	0	0	0
0.115879	0.073098	0	0	0	0	0	0
0.058745	0.065382	0	0	0	0	0	0
0.957594	0.974896	0	0	0	0	0	0
0.955004	0.940301	0	0	0	0	0	0
0.944002	0.943253	0	0	0	0	0	0
0.948353	0.928909	0	0	0	0	0	0
0.999344	0.999606	0	0	0	0	0	0
0.004652	0.003552	0	0	0	0	0	0
0.572365	0.89661	0.01	0	0	0	0	0
0.900308	0.841826	0	0	0	0	0	0
0.006536	0.00445	0	0	0	0	0	0
0.006872	0.020427	0	1	0	0	0	0
0.893476	0.74871	0.05	0	0	0	0	0
0.993948	0.998738	0	0	0	0	0	0
0.992354	0.958169	0	0	0	0	0	1
0.947967	0.91128	0	1	0	0	0	0
0.224909	0.070519	0.08	0	0	0	0	0
0.867261	0.697134	0.04	0	0	0	0	0
0.121712	0.061083	0	0	0	0	0	0
0.06465	0.065096	0	0	0	0	0	0
0.995723	0.745941	0.13	0	0	0	0	0
0.992508	0.966701	0	0	0	0	0	0
0.019373	0.006076	0	0	0	0	0	0
0.22233	0.136628	0	0	0	0	0	0
0.990843	0.966259	0	0	0	0	0	0
0.994883	0.996284	0	0	0	0	0	0
0.995997	0.969996	0	0	0	0	0	0
0.027824	0.086285	0	0	2	0	0	0
0.988134	0.969884	0	0	2	0	0	0
0.988184	0.994729	0	0	0	0	0	0
0.041492	0.045267	0	0	0	0	0	0
0.056536	0.173764	0	0	0	0	0	0
0.260399	0.739161	0.01	0	0	0	0	0
0.976948	0.978409	0	0	0	0	0	0
0.222368	0.324843	0	0	0	0	0	0
0.981005	0.981247	0	0	0	0	0	0
0.977514	0.985431	0	0	0	0	0	0
0.050292	0.067692	0	0	0	0	0	0
0.936235	0.889786	0	0	0	0	0	0

0.984596	0.847645	0.04	0	0	0	0	0
0.049886	0.159249	0	0	0	0	0	0
0.943476	0.978586	0	0	0	0	0	0
0.985716	0.978411	0	0	0	0	0	0
0.031087	0.041379	0	0	0	0	0	0
0.999457	0.996847	0	0	0	0	0	0
0.994645	0.99601	0	0	0	0	0	0
0.988599	0.994134	0	0	0	0	0	0
0.99527	0.998251	0	0	0	0	0	0
0.996646	0.998609	0	0	0	0	0	0
0.998125	0.997515	0	0	0	0	0	0
0.990652	0.980062	0	0	0	0	0	0
0.974723	0.971499	0	0	0	0	0	0
0.992081	0.989546	0	0	0	0	0	0
0.95926	0.98694	0	0	0	0	0	0
0.995805	0.99555	0	0	0	0	0	0
0.989638	0.981013	0	0	0	0	0	0
0.994055	0.986216	0	0	0	0	0	0
0.995171	0.99144	0	0	0	0	0	0
0.965537	0.992166	0	0	0	0	0	0
0.955814	0.992566	0	0	0	0	0	0
0.029357	0.054393	0	0	0	0	0	0
0.545927	0.645222	0	0	0	0	0	0
0.975449	0.961097	0	0	0	0	0	0
0.9843	0.95037	0	0	0	0	0	0
0.981888	0.949908	0	0	0	0	0	0
0.982926	0.960726	0	0	0	0	0	0
0.887637	0.665101	0	0	0	0	0	0
0.966644	0.913883	0	0	0	0	0	0
0.987237	0.897022	0	0	0	0	0	0
0.059578	0.014012	0	0	0	0	0	0
0.993064	0.997397	0	0	0	0	0	0
0.979689	0.992848	0	0	0	0	0	0
0.112101	0.053955	0	0	0	0	0	0
0.984684	0.972759	0	0	0	0	0	0
0.072403	0.011908	0	0	0	0	0	0
0.94919	0.817603	0.03	0	5	5	0	0
0.014775	0.100159	0.02	0	0	0	0	0
0.99794	0.961404	0	0	0	0	0	0
0.998055	0.994125	0	0	0	0	0	0
0.998302	0.995666	0	0	0	0	0	0
0.979468	0.98414	0	0	0	0	0	0
0.997707	0.994837	0	0	0	0	0	0
0.996082	0.991898	0	0	0	0	0	0
0.995904	0.99479	0	0	0	0	0	0
0.11222	0.144285	0	0	0	0	0	0
0.676968	0.947603	0.06	0	0	0	0	0

0.988732	0.976874	0	0	0	0	0	0
0.991719	0.973874	0	0	0	0	0	0
0.991087	0.990036	0	0	0	0	0	0
0.981786	0.930055	0	0	0	0	0	0
0.989856	0.975472	0	0	0	0	0	0
0.99208	0.982	0	0	0	0	0	0
0.988321	0.988179	0	0	0	0	0	0
0.981725	0.990065	0	0	0	0	0	0
0.99238	0.990335	0	0	0	0	0	0
0.981944	0.978764	0	0	0	0	0	0
0.939904	0.946217	0	0	0	0	0	0
0.847249	0.682937	0	0	0	0	0	0
0.142515	0.247017	0	0	0	0	0	0
0.975394	0.984845	0	0	0	0	0	0
0.994604	0.992023	0	0	0	0	0	0
0.995434	0.993551	0	0	0	0	0	0
0.973517	0.973011	0	0	0	0	0	0
0.978186	0.982715	0	0	0	0	0	0
0.032711	0.023511	0	0	0	0	0	0
0.044658	0.033703	0	0	0	0	0	0
0.869489	0.94188	0	0	0	0	0	0
0.952964	0.946713	0	0	0	0	0	0
0.972428	0.945721	0	0	0	0	0	0
0.974384	0.479426	0.33	0	0	0	0	0
0.961557	0.973221	0	0	0	0	0	0
0.976067	0.980434	0	0	0	0	0	0
0.980759	0.981419	0	0	0	0	0	0
0.977809	0.98232	0	0	0	0	0	0
0.963828	0.979938	0	0	0	0	0	0
0.972059	0.984018	0	0	0	0	0	0
0.98023	0.98487	0	0	0	0	0	0
0.016907	0.007077	0	0	0	0	0	0
0.927104	0.966968	0	0	0	0	0	0
0.995422	0.997107	0	0	0	0	0	0
0.992916	0.991205	0	0	0	0	0	0
0.994103	0.99637	0	0	0	0	0	0
0.985701	0.987694	0	0	0	0	0	0
0.983479	0.987775	0	0	0	0	0	0
0.99262	0.864001	0.08	0	0	0	0	0
0.976453	0.400676	0.42	0	0	0	0	0
0.993816	0.795401	0.16	0	0	0	0	0
0.799649	0.416476	0.16	0	0	0	0	0
0.992169	0.98418	0	0	0	0	0	0
0.11284	0.240009	0	0	0	0	0	0
0.013703	0.13349	0.03	0	0	0	0	0
0.997038	0.993455	0	0	0	0	0	0
0.01418	0.056343	0	0	0	0	0	0

0.595162	0.545716	0	0	0	0	0	0
0.899403	0.968353	0.02	0	0	0	0	0
0.657318	0.521377	0	0	0	0	0	0
0.040876	0.147968	0	0	0	0	0	0
0.987322	0.985178	0	0	0	0	0	0
0.989613	0.995398	0	0	0	0	0	0
0.986575	0.993835	0	0	0	0	0	0
0.967323	0.977379	0	0	0	0	0	0
0.971933	0.869197	0	0	4	0	0	0
0.126668	0.271878	0	0	0	0	0	0
0.058291	0.0317	0	0	0	0	0	0
0.996325	0.995927	0	0	0	0	0	0
0.022795	0.046255	0	0	0	0	0	0
0.994707	0.982788	0	0	0	0	0	0
0.990045	0.955731	0	0	0	0	0	0
0.991547	0.914214	0.01	0	0	0	0	0
0.019218	0.025223	0	0	0	0	0	0
0.013634	0.010291	0	0	0	0	0	0
0.994283	0.996364	0	0	0	0	0	0
0.992055	0.96639	0	0	0	0	0	0
0.995777	0.986255	0	0	0	0	0	0
0.9959	0.987941	0	0	0	0	0	0
0.992651	0.915906	0.02	0	0	0	0	0
0.982722	0.964622	0	0	0	0	0	0
0.993177	0.989944	0	0	0	0	0	0
0.993433	0.982349	0	0	0	0	0	0
0.993449	0.97882	0	0	0	0	0	0
0.99387	0.984318	0	0	0	0	0	0
0.993438	0.958544	0	0	0	0	0	0
0.019258	0.031285	0	0	0	0	0	0
0.891098	0.869818	0	0	0	0	0	0
0.996015	0.993995	0	0	0	0	0	0
0.006296	0.050426	0	0	0	0	0	0
0.995162	0.992959	0	0	0	0	0	0
0.994746	0.994156	0	0	0	0	0	0
0.995537	0.994069	0	0	0	0	0	0
0.993697	0.971456	0	0	0	0	0	0
0.97417	0.711059	0.02	0	0	0	4	0
0.994611	0.946509	0	0	0	0	0	0
0.995988	0.987082	0	0	0	0	0	0
0.993739	0.990712	0	0	0	0	0	0
0.992857	0.942706	0	0	0	0	0	0
0.989915	0.979594	0	0	0	0	0	0
0.99145	0.897012	0.01	0	0	0	0	0
0.973696	0.959251	0	0	0	0	0	0
0.985981	0.976643	0	0	0	0	0	0
0.991166	0.970827	0	0	0	0	0	0

0.988649	0.986444	0	0	0	0	0	0
0.98267	0.969336	0	0	0	0	0	0
0.963118	0.974605	0	0	0	0	0	0
0.969569	0.949767	0	0	0	0	0	0
0.973198	0.958845	0	0	0	0	0	0
0.996372	0.987962	0	0	0	0	0	0
0.95099	0.969551	0	0	0	0	0	0
0.951021	0.974835	0	0	0	0	0	0
0.990932	0.985794	0	0	0	0	0	0
0.80005	0.773395	0	0	0	0	0	0
0.99436	0.981574	0	0	0	0	0	0
0.995769	0.955906	0	0	0	0	0	0
0.991845	0.975395	0	0	0	0	0	0
0.982525	0.904799	0	0	0	0	0	0
0.990666	0.989012	0	0	0	0	0	0
0.020206	0.023279	0	0	0	0	0	0
0.970682	0.962588	0	0	0	0	0	0
0.955817	0.968953	0	0	0	0	0	0
0.950707	0.966591	0	0	0	0	0	0
0.983312	0.971981	0	0	0	0	0	0
0.991023	0.976373	0	0	0	0	0	0
0.133201	0.075958	0	0	0	0	0	0
0.036528	0.085519	0	0	0	0	0	0
0.836313	0.327198	0.34	0	0	0	0	0
0.991218	0.948476	0	0	0	0	0	0
0.989838	0.953391	0	0	0	0	0	0
0.989178	0.947524	0	0	0	0	0	0
0.994078	0.946095	0	0	0	0	0	0
0.995055	0.969649	0	0	0	0	0	0
0.830206	0.786028	0	0	0	0	0	0
0.951053	0.944346	0	0	0	0	0	0
0.949933	0.977764	0	0	0	0	0	0
0.983964	0.927971	0	0	0	0	0	0
0.941026	0.923735	0	0	0	0	0	0
0.978912	0.985835	0	0	0	0	0	0
0.988436	0.994785	0	0	0	0	0	0
0.942825	0.922139	0	0	0	0	0	0
0.556315	0.49095	0	0	0	0	0	0
0.197583	0.101514	0	0	0	0	0	0
0.990523	0.95627	0	0	0	0	0	0
0.991434	0.993438	0	0	0	0	0	0
0.965468	0.972772	0	0	0	0	0	0
0.998908	0.997447	0	0	0	0	0	0
0.994351	0.992854	0	0	0	0	0	0
0.999125	0.99333	0	0	0	0	0	0
0.997778	0.995693	0	0	0	0	0	0
0.029662	0.034168	0	0	0	0	0	0

0.205948	0.295048	0	0	0	0	2	2
0.983316	0.891748	0	0	0	0	0	0
0.965728	0.956561	0	0	0	0	0	0
0.978121	0.972131	0	0	0	0	0	0
0.973563	0.944337	0	0	0	0	0	0
0.022011	0.017192	0	0	0	0	0	0
0.984985	0.982169	0	0	0	0	0	0
0.919853	0.381468	0.33	0	0	0	0	0
0.029258	0.057106	0	0	0	0	0	0
0.98761	0.862724	0.09	0	0	0	0	0
0.990141	0.924889	0.03	0	0	0	0	0
0.037476	0.036127	0	0	0	0	0	0
0.990297	0.989289	0	0	0	0	0	0
0.988472	0.988143	0	0	0	0	0	0
0.411132	0.628632	0	0	0	0	0	0
0.317249	0.176138	0	0	0	0	0	0
0.073356	0.02947	0	0	0	0	0	0
0.236348	0.1944	0	0	0	0	0	0
0.990968	0.978988	0	0	0	0	0	0
0.994479	0.993482	0	0	0	0	0	0
0.997472	0.997747	0	0	0	0	0	0
0.002216	0.003023	0	0	0	0	0	0
0.998545	0.998746	0	0	0	0	0	0
0.904688	0.960561	0	0	0	0	0	0
0.952935	0.938741	0	0	0	0	0	0
0.942681	0.953363	0	0	0	0	0	0
0.93974	0.880124	0	0	0	0	0	0
0.935451	0.840121	0	0	0	0	0	0
0.978209	0.950372	0	0	0	0	0	0
0.987405	0.994015	0	0	0	0	0	0
0.983043	0.983191	0	0	0	0	0	0
0.986768	0.990572	0	0	0	0	0	0
0.55649	0.369789	0	0	0	0	0	0
0.989713	0.991199	0	0	0	0	0	0
0.989528	0.994029	0	0	0	0	0	0
0.955778	0.990327	0	0	0	0	0	0
0.010895	0.019737	0	0	0	0	0	0
0.990234	0.976495	0	0	0	0	0	0
0.996722	0.995362	0	0	0	0	0	0
0.991954	0.988942	0	0	0	0	0	0
0.134861	0.137399	0	0	0	0	0	0
0.987163	0.972089	0	0	0	0	0	0
0.998842	0.994224	0	0	0	0	0	0
0.996115	0.995981	0	0	0	0	0	0
0.994256	0.996678	0	0	0	0	0	0
0.995701	0.996604	0	0	0	0	0	0
0.992781	0.99667	0	0	0	0	0	0

0.993201	0.997272	0	0	0	0	0	0
0.992478	0.997282	0	0	0	0	0	0
0.999818	0.996857	0	0	0	0	0	0
0.997981	0.989134	0.01	0	0	0	0	0
0.993679	0.929228	0.02	0	17	40	0	0
0.964306	0.948973	0	0	0	0	0	0
0.072408	0.051428	0	0	0	0	0	0
0.978495	0.956241	0	0	0	0	0	0
0.968014	0.950621	0	0	0	0	0	0
0.885212	0.916209	0	0	0	0	0	0
0.970206	0.974595	0	0	0	0	0	0
0.972428	0.963881	0	0	0	0	0	0
0.034956	0.038718	0	0	0	0	0	0
0.984709	0.9629	0	0	0	0	0	0
0.981932	0.969318	0	0	0	0	0	0
0.980777	0.946605	0	0	0	0	0	0
0.979951	0.972363	0	0	0	0	0	0
0.880955	0.863635	0	0	0	0	0	0
0.980244	0.960582	0	0	0	0	0	0
0.9852	0.976851	0	0	0	0	0	0
0.977739	0.946718	0	0	0	0	0	0
0.089142	0.072055	0	0	0	0	0	0
0.936	0.954843	0	0	0	0	0	0
0.991015	0.991754	0	0	0	0	0	0
0.989961	0.991697	0	0	0	0	0	0
0.992434	0.9956	0	0	0	0	0	0
0.989931	0.994361	0	0	0	0	0	0
0.992491	0.99431	0	0	0	0	0	0
0.99224	0.9957	0	0	0	0	0	0
0.035545	0.055462	0	0	0	0	0	0
0.993611	0.993355	0	0	0	0	0	0
0.994725	0.982045	0	0	0	0	0	0
0.991471	0.990979	0	0	0	0	0	0
0.307419	0.037644	0.11	0	0	0	0	0
0.888136	0.975014	0	0	0	0	0	0
0.96151	0.917771	0	0	0	0	0	0
0.25216	0.152575	0	0	0	0	0	0
0.926504	0.897364	0	0	0	0	0	0
0.982696	0.943026	0	0	0	0	0	0
0.187784	0.210781	0	0	0	0	0	0
0.942421	0.944348	0	0	0	0	0	0
0.954459	0.950531	0	0	0	0	0	0
0.941933	0.933984	0	0	0	0	0	0
0.989795	0.983642	0	0	0	0	0	0
0.972497	0.951887	0	0	0	0	0	0
0.054938	0.038718	0	0	0	0	0	0
0.986856	0.947843	0	0	0	0	0	0

0.49905	0.552857	0	0	0	0	0	0
0.005855	0.006296	0	0	0	0	0	0
0.992335	0.986545	0	0	0	0	0	0
0.996467	0.997477	0	0	0	0	0	0
0.980724	0.956007	0	0	0	0	0	0
0.990109	0.987207	0	0	0	0	0	0
0.994152	0.995278	0	0	0	0	0	0
0.016174	0.011232	0	0	0	0	0	0
0.990703	0.993397	0	0	0	0	0	0
0.016304	0.053017	0	0	0	0	0	0
0.01793	0.034282	0	0	0	0	0	0
0.286953	0.208766	0	0	0	0	0	0
0.997599	0.996703	0	0	0	0	0	0
0.020596	0.039303	0	0	0	0	0	0
0.00793	0.036838	0	0	0	0	0	0
0.998374	0.993495	0	0	0	0	0	0
0.998992	0.994082	0	0	0	0	0	0
0.986763	0.961936	0	0	0	0	0	0
0.998037	0.97836	0	0	0	0	0	0
0.998465	0.985747	0	0	0	0	0	0
0.997446	0.986486	0	0	0	0	0	0
0.996845	0.988146	0	0	0	0	0	0
0.69536	0.521848	0	0	0	0	0	0
0.996128	0.997391	0	0	0	0	2	0
0.996394	0.992298	0	4	0	0	17	13
0.996612	0.994606	0	1	0	0	0	0
0.995147	0.995735	0	0	0	0	0	0
0.997738	0.999135	0	0	0	0	0	0
0.997981	0.999362	0	0	0	0	0	0
0.042335	0.148691	0.04	3	0	0	0	0
0.09187	0.074049	0	0	0	0	0	0
0.932859	0.954313	0	3	0	0	0	0
0.059069	0.039164	0	0	0	0	0	0
0.979884	0.991745	0	0	0	0	0	0
0.945667	0.984844	0	0	0	0	0	0
0.030061	0.064699	0	0	9	1	0	0
0.029434	0.023339	0	0	9	4	7	0
0.062559	0.032498	0	0	0	0	0	0
0.064207	0.035483	0	0	0	0	0	0
0.322698	0.324155	0	0	0	0	0	0
0.926408	0.917916	0	0	0	0	0	0
0.96609	0.979328	0	0	0	0	0	0
0.9919	0.981349	0	0	0	0	0	0
0.983206	0.940005	0	0	0	0	0	0
0.984211	0.948869	0	0	0	0	0	0
0.045631	0.072526	0	0	0	0	0	0
0.991717	0.974589	0	0	0	0	0	0

0.999039	0.99067	0	0	0	4	0	0
0.723174	0.746634	0	0	0	0	0	0
0.966245	0.970505	0	0	0	0	0	0
0.98426	0.969495	0	0	0	0	0	0
0.988683	0.96589	0	0	0	0	0	0
0.990713	0.97614	0	0	0	0	0	0
0.984359	0.937383	0	0	0	0	0	0
0.995031	0.989837	0	0	0	0	0	0
0.006338	0.007187	0	0	0	0	0	0
0.996093	0.98532	0	0	0	0	0	0
0.988	0.954858	0	0	0	0	0	0
0.972772	0.89749	0	0	0	0	0	0
0.995642	0.811466	0.02	8	0	1	0	0
0.997155	0.996838	0	0	0	0	0	0
0.996838	0.99669	0	0	0	0	0	0
0.675644	0.337628	0.14	0	0	0	2	2
0.78332	0.779607	0	0	0	5	0	0
0.99897	0.99911	0	0	0	0	0	0
0.998691	0.998509	0	0	0	0	0	0
0.046074	0.259715	0.08	8	0	5	0	0
0.806122	0.584023	0	0	0	0	0	0
0.805924	0.483595	0	0	0	0	6	3
0.990919	0.944135	0.01	0	0	0	0	0
0.063592	0.323021	0.11	0	0	0	0	0
0.997039	0.991459	0	0	0	0	0	0
0.997876	0.99802	0	0	0	0	0	0
0.994771	0.990796	0	0	0	0	0	0
0.998437	0.990584	0	0	0	0	4	4
0.998865	0.966953	0.01	6	2	4	11	9
0.986498	0.989347	0	0	0	0	0	0
0.96482	0.936159	0	0	0	0	0	0
0.049242	0.065772	0	0	0	0	0	0
0.965612	0.96186	0	0	0	0	0	0
0.98336	0.960387	0	0	0	0	0	0
0.986685	0.97434	0	0	0	0	0	0
0.134988	0.131436	0	0	0	0	0	0
0.991624	0.992979	0	0	0	0	0	0
0.017103	0.03396	0	0	0	0	0	0
0.978913	0.994618	0	0	0	0	0	0
0.631757	0.658067	0	0	0	0	0	0
0.998254	0.997961	0	0	0	0	0	0
0.007058	0.008953	0	0	0	0	0	0
0.997522	0.998065	0	0	3	3	0	0
0.998152	0.997628	0	0	0	0	0	0
0.998052	0.984209	0	0	0	0	4	0
0.947704	0.967958	0	0	0	0	0	0
0.94314	0.967564	0	0	0	0	0	0

0.975674	0.976837	0	0	0	0	0	0
0.959536	0.987553	0	0	0	0	0	0
0.975716	0.944555	0	0	0	0	0	0
0.974697	0.972504	0	0	0	0	0	0
0.983809	0.980275	0	0	0	0	0	0
0.98204	0.950616	0	0	0	0	0	0
0.948079	0.988825	0	0	0	0	0	0
0.949115	0.955317	0	0	0	0	0	0
0.937555	0.989058	0	0	0	0	0	0
0.932731	0.989863	0	0	0	0	0	0
0.932411	0.97215	0	0	0	0	0	0
0.953414	0.860649	0	0	0	0	0	0
0.107469	0.06232	0	0	0	0	0	0
0.948999	0.968072	0	0	0	0	0	0
0.964954	0.974705	0	0	0	0	0	0
0.941755	0.936138	0	0	0	0	0	0
0.964412	0.987072	0	0	0	0	0	0
0.057127	0.037451	0	0	0	0	0	0
0.907654	0.938266	0	0	0	5	0	0
0.546219	0.574469	0	0	0	0	0	0
0.982196	0.966976	0	0	0	0	0	0
0.993917	0.969022	0	0	0	0	0	0
0.995045	0.990927	0	0	0	0	0	0
0.995795	0.990473	0	0	0	0	0	0
0.985628	0.892238	0	0	0	0	0	0
0.994311	0.996443	0	0	0	0	0	0
0.994181	0.984351	0	0	0	0	0	0
0.969534	0.969216	0	0	0	0	0	0
0.99395	0.979045	0	0	0	0	0	0
0.073863	0.337115	0.12	0	0	0	0	0
0.974281	0.960578	0	0	0	0	0	0
0.957124	0.958464	0	0	0	0	0	0
0.963241	0.951591	0	0	0	0	0	0
0.972775	0.953925	0	0	0	0	0	0
0.96746	0.959793	0	0	0	0	0	0
0.979401	0.95941	0	0	0	0	0	0
0.036353	0.037072	0	0	0	0	0	0
0.067046	0.156063	0	0	0	0	0	0
0.081743	0.071342	0	0	0	0	0	0
0.066985	0.099698	0	0	0	0	0	0
0.130243	0.134708	0	0	0	0	0	0
0.949242	0.933393	0	0	0	0	0	0
0.969576	0.970453	0	0	0	0	0	0
0.9831	0.950835	0	0	0	0	0	0
0.956334	0.921322	0	0	0	0	0	0
0.954051	0.94617	0	0	0	0	0	0
0.960663	0.956784	0	0	0	0	0	0

0.038711	0.035084	0	0	0	0	0	0
0.147901	0.884992	0.4	0	0	0	0	0
0.881864	0.956219	0	0	0	0	0	0
0.955842	0.919618	0	0	0	0	0	0
0.024687	0.112712	0	0	0	0	0	0
0.962632	0.934156	0	0	0	0	0	0
0.920015	0.961047	0	0	0	0	0	0
0.964335	0.981051	0	0	0	0	0	0
0.976329	0.989302	0	0	0	0	0	0
0.978128	0.969205	0	0	0	0	0	0
0.986692	0.969476	0	0	0	0	0	0
0.033333	0.030232	0	0	0	0	0	0
0.058681	0.047438	0	0	0	0	0	0
0.985572	0.977725	0	0	0	0	0	0
0.990016	0.991335	0	0	0	0	0	0
0.990662	0.982416	0	0	0	0	0	0
0.030659	0.015201	0	0	0	0	0	0
0.910735	0.821905	0	0	0	0	0	0
0.910796	0.707788	0.08	0	0	0	0	0
0.817616	0.38785	0.2	0	0	0	0	0
0.938377	0.827419	0	0	0	0	0	0
0.985117	0.945914	0	0	0	0	0	0
0.936074	0.949563	0	0	14	8	0	0
0.028351	0.02252	0	0	0	0	0	0
0.941272	0.899029	0	0	0	0	0	0
0.059861	0.032141	0	0	0	0	0	0
0.001626	0.000867	0	0	57	57	39	39
0.000351	0.000447	0	0	48	0	0	0
0.997215	0.998551	0	0	0	0	0	0
0.99919	0.999005	0	0	0	0	0	0
0.999097	0.999236	0	0	0	0	0	0
0.999411	0.999711	0	0	0	0	1	1
0.017122	0.006131	0	0	63	5	0	3
0.998318	0.991436	0	0	0	0	0	0
0.999688	0.998586	0	0	0	0	0	0
0.993182	0.991232	0	0	0	0	0	0
0.992663	0.987633	0	0	0	0	4	4
0.024306	0.018688	0	0	0	0	0	0
0.973375	0.971868	0	0	0	0	0	0
0.973326	0.922964	0	0	0	0	0	0
0.995517	0.992902	0	0	0	0	0	0
0.960932	0.941802	0	0	0	0	0	0
0.955976	0.978822	0	0	0	0	0	0
0.913541	0.979047	0	0	0	0	0	0
0.974159	0.988124	0	0	0	0	0	0
0.08028	0.03539	0	0	0	0	0	0
0.719408	0.979621	0.05	0	0	0	0	0

0.904643	0.925472	0	0	0	0	0	0
0.878219	0.844184	0	0	0	0	0	0
0.846421	0.853289	0	0	0	0	0	0
0.991649	0.974963	0	0	0	0	0	0
0.867796	0.71016	0	0	0	0	0	0
0.96667	0.921792	0	0	0	0	0	0
0.581655	0.464109	0	0	0	0	0	0
0.973009	0.961874	0	0	0	0	0	0
0.986601	0.978742	0	0	0	0	0	0
0.987677	0.980805	0	0	0	0	0	0
0.987573	0.9823	0	0	0	0	0	0
0.734321	0.699511	0	0	0	0	0	0
0.978934	0.939661	0	0	0	0	0	0
0.056292	0.132212	0	0	0	0	0	0
0.806515	0.8709	0	0	0	0	0	0
0.706402	0.459998	0	0	0	0	0	0
0.969497	0.984689	0	0	0	0	0	0
0.582443	0.949243	0.09	0	0	0	0	0
0.967253	0.897757	0	0	0	0	0	0
0.978443	0.955438	0	0	0	0	0	0
0.988538	0.961804	0	0	0	0	0	0
0.021563	0.18742	0.01	0	0	0	0	0
0.014689	0.022059	0	0	0	0	0	0
0.924124	0.866031	0	0	0	0	0	0
0.935297	0.776352	0.02	0	0	0	0	0
0.94312	0.918549	0	0	0	0	0	0
0.92125	0.89504	0	0	0	0	0	0
0.971705	0.978079	0	0	0	0	0	0
0.955838	0.984738	0	0	0	0	0	0
0.04867	0.054784	0	0	0	0	0	0
0.558896	0.843472	0	0	0	0	0	0
0.736929	0.60942	0	0	0	0	0	0
0.938069	0.897644	0	0	0	0	0	0
0.852052	0.851072	0	0	0	0	0	0
0.986247	0.992699	0	0	0	0	0	0
0.033583	0.038184	0	0	0	0	0	0
0.939741	0.958679	0	0	0	0	0	0
0.994321	0.994621	0	0	0	0	0	0
0.976646	0.986447	0	0	0	0	0	0
0.019007	0.032742	0	0	0	0	0	0
0.030781	0.033755	0	0	0	0	0	0
0.990169	0.991351	0	0	0	0	0	0
0.872253	0.636104	0.14	0	0	0	0	0
0.993301	0.991715	0	0	0	0	0	0
0.998393	0.996046	0	0	0	0	0	0
0.01246	0.013423	0	0	0	0	0	0
0.996	0.985804	0	0	0	0	0	0

0.01456	0.017973	0	0	0	0	0	0
0.9924	0.906071	0.03	0	0	0	0	0
0.99652	0.994628	0	0	0	0	0	0
0.997244	0.983579	0	0	0	0	0	0
0.996075	0.98338	0	0	0	0	0	0
0.99452	0.994564	0	0	0	0	0	0
0.994895	0.984454	0	0	0	0	0	0
0.996574	0.992802	0	0	0	0	0	0
0.940354	0.981894	0	0	0	0	0	0
0.058485	0.047231	0	0	0	0	0	0
0.045761	0.018759	0	0	0	0	0	0
0.939039	0.932333	0	0	0	0	0	0
0.958708	0.960624	0	0	0	0	0	0
0.897801	0.881099	0	0	0	0	0	0
0.974547	0.957146	0	0	0	0	0	0
0.392414	0.073354	0.06	0	0	0	0	0
0.955258	0.992111	0	0	0	0	0	0
0.824676	0.886572	0	0	0	0	0	0
0.856478	0.810592	0	0	0	0	0	0
0.956914	0.946476	0	0	0	0	0	0
0.042359	0.030438	0	0	0	0	0	0
0.932586	0.98743	0	0	0	0	0	0
0.989631	0.99613	0	0	0	0	0	0
0.994629	0.994037	0	0	0	0	0	0
0.992721	0.998651	0	0	0	0	0	0
0.992346	0.988488	0	0	0	0	0	0
0.993215	0.996183	0	0	0	0	0	0
0.05166	0.039441	0	0	0	0	0	0
0.992006	0.974797	0	0	0	0	0	0
0.75458	0.915525	0	0	0	0	0	0
0.997052	0.996784	0	0	0	0	0	0
0.012298	0.047583	0	0	0	0	0	0
0.995925	0.995472	0	0	0	0	0	0
0.987041	0.986704	0	0	0	0	0	0
0.992755	0.928483	0.03	0	0	0	0	0
0.995803	0.965229	0	0	0	0	0	0
0.99756	0.995451	0	0	0	0	0	0
0.996387	0.995369	0	0	0	0	0	0
0.009245	0.024029	0	0	0	0	0	0
0.012293	0.04053	0	0	0	0	0	0
0.992807	0.984085	0	0	0	0	0	0
0.983262	0.952552	0	0	0	0	0	0
0.003939	0.004223	0	0	0	0	0	0
0.958264	0.960543	0	0	0	0	0	0
0.990356	0.989352	0	0	0	0	0	0
0.984381	0.924895	0	0	0	0	0	0
0.976276	0.955535	0	0	0	0	0	0

0.964485	0.954906	0	0	0	0	0	0
0.960123	0.960148	0	0	0	0	0	0
0.908243	0.975742	0	0	0	0	0	0
0.994419	0.995567	0	0	0	0	0	0
0.99225	0.990739	0	0	0	0	0	0
0.988547	0.989263	0	0	0	0	0	0
0.973439	0.980735	0	0	0	0	0	0
0.55217	0.652763	0	0	0	0	0	0
0.881008	0.859593	0	0	0	0	0	0
0.992967	0.978826	0	0	0	0	0	0
0.988272	0.934808	0	0	0	0	0	0
0.951361	0.901286	0	0	0	0	0	0
0.991221	0.998203	0	0	0	0	0	0
0.995973	0.998295	0	0	0	0	0	0
0.883854	0.316462	0.45	0	0	0	0	0
0.969044	0.946171	0	0	0	0	0	0
0.979736	0.989973	0	0	0	0	0	0
0.961189	0.982226	0	0	0	0	0	0
0.79882	0.867295	0	0	0	0	0	0
0.973688	0.976773	0	0	0	0	0	0
0.955178	0.966655	0	0	0	0	0	0
0.947208	0.957732	0	0	0	0	0	0
0.706882	0.945248	0.02	0	0	0	0	0
0.995765	0.994001	0	0	0	0	0	0
0.983389	0.992831	0	0	0	0	0	0
0.993524	0.99191	0	0	0	0	0	0
0.991079	0.94656	0	0	0	0	0	0
0.940207	0.973168	0	0	0	0	0	0
0.995666	0.988818	0	0	0	0	0	0
0.989979	0.995174	0	0	0	0	0	0
0.985929	0.987753	0	0	0	0	0	0
0.011896	0.013593	0	0	0	0	0	0
0.965898	0.912895	0	0	0	0	0	0
0.888862	0.932444	0	0	0	0	0	0
0.984703	0.976679	0	0	0	0	0	0
0.99544	0.99494	0	0	0	0	0	0
0.997789	0.999252	0	0	0	0	0	0
0.964709	0.993902	0	0	0	0	0	0
0.982462	0.977549	0	0	0	0	0	0
0.982281	0.924951	0	0	0	0	0	0
0.989681	0.986951	0	0	0	0	0	0
0.990757	0.980562	0	0	0	0	0	0
0.989877	0.949187	0	0	0	0	0	0
0.969417	0.947631	0	0	0	0	0	0
0.970572	0.955811	0	0	0	0	0	0
0.999539	0.998418	0	0	0	0	0	0
0.999606	0.999135	0	0	0	0	0	0

0.000804	0.007637	0.01	0	0	0	0	0
0.999657	0.985505	0.01	0	0	0	0	0
0.995276	0.99832	0	0	0	0	0	0
0.98374	0.996416	0	0	0	0	0	0
0.987596	0.995943	0	0	0	0	0	0
0.395952	0.186296	0.14	0	0	0	0	0
0.005088	0.013334	0	0	0	0	0	0
0.991891	0.937817	0.02	0	0	0	0	0
0.983341	0.994681	0.01	0	0	0	0	0
0.979227	0.989908	0	0	0	0	0	0
0.972676	0.986222	0.01	0	0	0	0	0
0.993715	0.977805	0	0	0	0	0	0
0.02513	0.041971	0	0	0	0	0	0
0.00346	0.003868	0	0	0	0	0	0
0.993041	0.992806	0	0	0	0	0	0
0.997463	0.996702	0	0	0	0	0	0
0.998932	0.997654	0	0	0	0	0	0
0.996181	0.999652	0	0	0	0	0	0
0.988993	0.996659	0	0	0	0	0	0
0.996402	0.998497	0	0	0	0	0	0
0.977043	0.975988	0	0	0	0	0	0
0.037376	0.02634	0	0	0	0	0	0
0.960435	0.963605	0	0	0	0	0	0
0.947154	0.93999	0	0	0	0	0	0
0.979117	0.967322	0	0	0	0	0	0
0.976705	0.914431	0	0	0	0	0	0
0.978418	0.96393	0	0	0	0	0	0
0.98935	0.977536	0	0	0	0	0	0
0.963992	0.965617	0	0	0	0	0	0
0.991021	0.963162	0	0	0	0	0	0
0.994766	0.97379	0	0	0	0	0	0
0.998609	0.996781	0	0	0	0	0	0
0.997714	0.997577	0	0	0	0	0	0
0.995879	0.961754	0	0	0	0	0	0
0.993816	0.977686	0	0	0	0	0	0
0.934482	0.753924	0	0	0	0	0	0
0.967683	0.940104	0	0	0	0	0	0
0.621429	0.747585	0	0	0	0	0	0
0.958732	0.958672	0	0	0	0	0	0
0.96684	0.897791	0	0	0	0	0	0
0.981835	0.880641	0	0	0	0	0	0
0.967775	0.948666	0	0	0	0	0	0
0.974096	0.946663	0	0	0	0	0	0
0.981826	0.953206	0	0	0	0	0	0
0.978353	0.939578	0	0	0	0	0	0
0.978772	0.935867	0	0	0	0	0	0
0.994913	0.997967	0	0	0	0	0	0

0.022489	0.005013	0	0	0	0	0	0
0.952535	0.960566	0	0	0	0	0	0
0.964245	0.980256	0	0	0	0	0	0
0.991578	0.988666	0	0	0	0	0	0
0.992856	0.98659	0	0	0	0	0	0
0.011234	0.020088	0	0	0	0	0	0
0.993323	0.983368	0	0	0	0	0	0
0.979437	0.971858	0	0	0	0	0	0
0.988393	0.981567	0	0	0	0	0	0
0.86816	0.974047	0.02	0	0	0	0	0
0.012204	0.0074	0	0	0	0	0	0
0.994225	0.992094	0	0	0	0	0	0
0.966249	0.946058	0	0	0	0	0	0
0.990409	0.982992	0	0	0	0	0	0
0.8898	0.180202	0.56	0	0	0	0	0
0.988155	0.982608	0	0	0	0	0	0
0.990564	0.99102	0	0	0	0	0	0
0.990462	0.991072	0	0	0	0	0	0
0.991312	0.954103	0	0	0	0	0	0
0.98907	0.990948	0	0	0	0	0	0
0.990869	0.99344	0	0	0	0	0	0
0.993488	0.976469	0	0	0	0	0	0
0.994301	0.987301	0	0	0	0	0	0
0.992367	0.987951	0	0	0	0	0	0
0.993709	0.992355	0	0	0	0	0	0
0.989615	0.963194	0	0	0	0	0	0
0.990456	0.964282	0	0	0	0	0	0
0.28321	0.232488	0	0	0	0	0	0
0.881761	0.926899	0	0	0	0	0	0
0.022729	0.005332	0	0	0	0	0	0
0.989197	0.925981	0	0	0	0	0	0
0.992615	0.984498	0	0	0	0	0	0
0.984936	0.933263	0	0	0	0	0	0
0.984345	0.985101	0	0	0	0	0	0
0.982664	0.952743	0	0	0	0	0	0
0.97954	0.936406	0	0	0	0	0	0
0.985218	0.941112	0	0	0	0	0	0
0.98894	0.952845	0	0	0	0	0	0
0.986678	0.953801	0	0	0	0	0	0
0.981806	0.914874	0	0	0	0	5	0
0.107801	0.057226	0	0	0	0	0	0
0.944277	0.907408	0	0	0	0	0	0
0.978007	0.90266	0	0	0	0	0	0
0.983024	0.951484	0	0	2	0	0	0
0.98885	0.981739	0	0	0	0	0	0
0.993696	0.990748	0	0	0	0	0	0
0.97998	0.960411	0	0	0	0	0	0

0.981434	0.941597	0	0	0	0	0	0
0.990306	0.872349	0.02	0	0	0	0	0
0.418073	0.394088	0	0	0	6	0	0
0.997175	0.99465	0	0	0	0	0	0
0.863978	0.33313	0.27	0	4	1	9	6
0.975859	0.834534	0	0	4	3	1	1
0.984156	0.863732	0.02	0	4	0	0	0
0.975353	0.984383	0	0	0	0	0	0
0.988087	0.969851	0	0	0	0	0	1
0.973737	0.962688	0	0	0	0	0	0
0.975009	0.974102	0	0	0	0	0	0
0.988811	0.981283	0	0	0	0	0	0
0.969082	0.926914	0	0	0	0	0	0
0.018867	0.017088	0	0	0	0	0	0
0.984829	0.990206	0	0	0	0	0	0
0.984052	0.988036	0	0	0	0	0	0
0.985168	0.989948	0	0	0	0	0	0
0.977521	0.983939	0	0	0	0	0	0
0.042685	0.610225	0.34	0	0	0	0	0
0.961872	0.948779	0	0	0	0	0	0
0.980788	0.967322	0	0	0	0	0	0
0.977535	0.907571	0	0	0	0	0	0
0.942533	0.70404	0.01	0	0	0	0	0
0.978757	0.930215	0	0	0	0	0	0
0.841032	0.380715	0.12	0	0	0	0	0
0.719589	0.444138	0	0	0	0	0	0
0.974489	0.958093	0	0	0	0	0	0
0.972818	0.940084	0	0	0	0	0	0
0.979566	0.958154	0	0	0	0	0	0
0.961134	0.953568	0	0	0	0	0	0
0.974763	0.982257	0	0	0	0	0	0
0.979038	0.972978	0	0	0	0	0	0
0.968968	0.971263	0	0	0	0	0	0
0.980635	0.90627	0	0	0	0	0	0
0.983428	0.909117	0	0	0	0	0	0
0.983973	0.987039	0	0	0	0	0	0
0.990093	0.992176	0	0	0	0	0	0
0.972518	0.944206	0	0	0	0	0	0
0.862344	0.811765	0	0	0	0	0	0
0.047742	0.071713	0	0	0	0	0	0
0.919615	0.981855	0	0	0	0	0	0
0.965351	0.932934	0	0	0	0	0	0
0.978538	0.951597	0	0	0	0	0	0
0.979483	0.979135	0	0	0	0	0	0
0.983749	0.99055	0	0	0	0	0	0
0.982729	0.906365	0	0	0	0	0	0
0.980448	0.986712	0	0	0	0	0	0

0.985469	0.983983	0	0	0	0	0	0
0.987904	0.885738	0.03	0	0	0	0	0
0.215502	0.139428	0	0	0	0	0	0
0.994804	0.989797	0	0	0	0	0	0
0.951814	0.85495	0.05	0	1	0	0	0
0.996722	0.99528	0	0	0	0	0	0
0.011236	0.007382	0	0	0	0	0	0
0.953083	0.665143	0.15	0	0	0	0	0
0.99865	0.998974	0	0	0	0	0	0
0.989323	0.942918	0.01	0	0	0	0	0
0.995276	0.994264	0	0	0	0	0	0
0.985791	0.991697	0	0	0	0	0	0
0.997853	0.996624	0	0	0	0	0	0
0.955348	0.935344	0	0	0	0	0	0
0.957031	0.966929	0	0	0	0	0	0
0.609809	0.345297	0	4	0	0	0	0
0.060627	0.055955	0	0	0	7	0	0
0.067083	0.116605	0	0	0	0	0	0
0.980565	0.970498	0	0	0	0	0	0
0.992112	0.99024	0	0	0	0	0	0
0.021904	0.02761	0	0	0	0	0	0
0.020794	0.025091	0	0	0	0	0	0
0.992009	0.990252	0	0	0	0	0	0
0.991708	0.990786	0	0	0	0	0	0
0.991574	0.988578	0	0	0	0	0	0
0.991435	0.986506	0	0	0	0	0	0
0.987415	0.976683	0	0	0	0	0	0
0.982785	0.940428	0	0	0	0	0	0
0.986652	0.953657	0	0	0	0	0	0
0.118797	0.35505	0	0	0	0	0	0
0.989703	0.988854	0	0	0	0	0	0
0.988103	0.828149	0.02	0	0	0	0	0
0.989507	0.946877	0	0	0	0	0	0
0.989092	0.86481	0	0	0	0	0	0
0.022718	0.024536	0	0	0	0	0	0
0.988024	0.985873	0	0	0	0	0	0
0.994554	0.989264	0	0	0	0	0	0
0.855512	0.702765	0	0	0	0	0	0
0.981852	0.967802	0	0	0	0	0	0
0.998583	0.995328	0	0	0	0	0	0
0.998174	0.994338	0	0	0	0	0	0
0.979739	0.992865	0	0	0	0	0	0
0.975108	0.910654	0	0	0	0	0	0
0.110484	0.049503	0	0	0	0	0	0
0.948137	0.992569	0	0	0	0	0	0
0.995294	0.995691	0	0	0	0	0	0
0.997369	0.994767	0	0	0	0	0	0

0.014665	0.009479	0	0	0	0	0	0
0.996601	0.995988	0	0	0	0	0	0
0.996171	0.996368	0	0	0	0	0	0
0.998208	0.998771	0	0	0	0	0	0
0.997616	0.988818	0	0	0	0	0	0
0.994694	0.984761	0	0	0	0	0	0
0.994449	0.997559	0	0	0	0	0	0
0.997356	0.997241	0	0	0	0	0	0
0.996468	0.997263	0	0	0	0	0	0
0.004394	0.006365	0	1	0	0	0	0
0.997686	0.998665	0	0	0	0	0	0
0.989946	0.998505	0	0	0	0	0	0
0.930411	0.973095	0	0	0	0	0	0
0.972282	0.991412	0	0	0	0	0	0
0.042619	0.010102	0	0	0	0	0	0
0.966733	0.954712	0	0	0	0	0	0
0.91965	0.795486	0	0	0	0	0	0
0.344004	0.474098	0	0	0	0	0	0
0.989104	0.974733	0	0	0	0	0	0
0.987949	0.687064	0.1	0	0	0	0	0
0.999131	0.999021	0	0	0	0	0	0
0.996115	0.996522	0	0	0	0	0	0
0.994327	0.995619	0	0	0	0	0	0
0.991799	0.951793	0	0	0	0	0	0
0.993548	0.979289	0	0	0	0	0	0
0.989867	0.942871	0	0	0	0	0	0
0.032153	0.028427	0	0	0	0	0	0
0.991217	0.954593	0	0	0	0	0	0
0.575779	0.886547	0.1	0	0	0	0	0
0.972995	0.866075	0	0	0	0	0	0
0.993879	0.943239	0	0	0	0	0	0
0.994928	0.992885	0	0	0	0	0	0
0.938737	0.830574	0	0	0	0	0	0
0.23972	0.686965	0.11	0	0	0	0	0
0.012813	0.026093	0	0	0	0	0	0
0.478041	0.264467	0	0	0	0	0	0
0.990322	0.93679	0	0	0	0	0	0
0.987806	0.65004	0.17	0	0	0	0	0
0.970462	0.928227	0	0	0	0	0	0
0.992862	0.974433	0	0	0	0	0	0
0.992584	0.965303	0	0	0	0	0	0
0.992187	0.981816	0	0	0	0	0	0
0.993798	0.992595	0	0	0	0	0	0
0.991834	0.987876	0	0	0	0	0	0
0.982013	0.978851	0	0	0	0	0	0
0.05757	0.038767	0	0	0	0	0	0
0.037969	0.040328	0	0	0	0	0	0

0.966413	0.974652	0	0	0	0	0	0
0.01281	0.031952	0	0	0	0	0	0
0.959656	0.915486	0	0	0	0	0	0
0.984552	0.976946	0	0	0	0	0	0
0.016447	0.087531	0	0	0	0	0	0
0.043313	0.016341	0	0	0	0	0	0
0.990987	0.98963	0	0	0	0	0	0
0.019523	0.06527	0	0	0	0	0	0
0.798876	0.309551	0.3	0	0	0	0	0
0.980113	0.811091	0.08	0	0	0	0	0
0.99465	0.996145	0	0	0	0	0	0
0.980078	0.960185	0	0	0	0	0	0
0.994145	0.983486	0	0	0	0	0	0
0.969457	0.950955	0	0	0	0	0	0
0.991723	0.961718	0	0	0	0	0	0
0.007659	0.035535	0	0	0	0	0	0
0.993157	0.98922	0	0	0	0	0	0
0.997215	0.993665	0	0	0	0	0	0
0.572176	0.695004	0	0	0	0	0	0
0.9954	0.991305	0	0	0	0	0	0
0.996461	0.979332	0	0	0	0	0	0
0.995132	0.984628	0	0	0	0	0	0
0.998158	0.994668	0	0	0	0	0	0
0.46195	0.458803	0	0	0	0	0	0
0.718477	0.716881	0	0	0	0	0	0
0.996807	0.989484	0	0	0	0	0	0
0.965154	0.982001	0	0	0	0	0	0
0.247499	0.202653	0	0	0	0	0	0
0.9906	0.966775	0	0	0	0	0	0
0.994784	0.976626	0	0	0	0	0	0
0.991785	0.959146	0	0	0	0	0	1
0.992113	0.627953	0.21	0	0	0	6	6
0.98681	0.949681	0	0	0	0	0	0
0.990304	0.945895	0	0	0	0	0	0
0.957256	0.844407	0	0	0	0	0	0
0.987388	0.980977	0	0	0	0	0	0
0.983162	0.983428	0	0	0	0	0	0
0.791974	0.713769	0	0	0	0	0	0
0.933479	0.902851	0	0	0	0	0	0
0.961027	0.938911	0	0	0	0	0	0
0.985271	0.971997	0	0	0	0	0	0
0.996354	0.997095	0	0	0	0	0	0
0.01291	0.028543	0	0	0	0	0	0
0.997666	0.997017	0	0	0	0	0	0
0.997959	0.997654	0	0	0	0	0	0
0.988931	0.968095	0	0	0	0	0	0
0.99787	0.997596	0	0	0	0	0	0

0.997121	0.993077	0	0	0	0	0	0
0.477886	0.58611	0	0	0	0	0	0
0.999416	0.994601	0	0	0	0	0	0
0.99945	0.997283	0	0	0	0	0	0
0.991518	0.9973	0	0	0	0	0	0
0.953014	0.994604	0.01	0	0	0	0	0
0.951437	0.995876	0.01	0	0	0	0	0
0.981123	0.969675	0	0	0	0	0	0
0.985836	0.99013	0	0	0	0	0	0
0.986002	0.99153	0	0	0	0	0	0
0.935227	0.962082	0	0	0	0	0	0
0.977408	0.964731	0	0	0	0	0	0
0.977478	0.966914	0	0	0	0	0	0
0.018135	0.021074	0	0	0	0	0	0
0.471333	0.575328	0.11	0	0	0	0	0
0.978679	0.98515	0	0	0	0	0	0
0.189954	0.056337	0	0	0	0	0	0
0.982465	0.966396	0	0	0	0	0	0
0.025132	0.043003	0	0	0	0	0	0
0.141076	0.032402	0	0	0	0	0	0
0.050357	0.090896	0	0	0	0	0	0
0.041713	0.053144	0	0	0	0	0	0
0.965902	0.939754	0	0	0	0	0	0
0.951641	0.976203	0	0	0	0	0	0
0.998757	0.988946	0	0	0	0	0	0
0.945492	0.899563	0	0	0	0	0	0
0.995968	0.990731	0	0	0	0	0	0
0.997727	0.990934	0	0	0	0	0	0
0.987316	0.986596	0	0	0	0	0	0
0.985369	0.986412	0	0	0	0	0	0
0.993359	0.996124	0	0	0	0	0	0
0.986949	0.991411	0	0	0	0	0	0
0.986141	0.992783	0	0	0	0	0	0
0.992629	0.990676	0	0	0	0	0	0
0.993128	0.988356	0	0	0	0	0	0
0.981846	0.986829	0	0	0	0	0	0
0.99224	0.990472	0	0	0	0	0	0
0.988252	0.990918	0	0	0	0	0	0
0.992564	0.992896	0	0	0	0	0	0
0.983344	0.960245	0	0	0	0	0	0
0.970156	0.989326	0	0	0	0	0	0
0.334287	0.325329	0	0	0	0	0	0
0.99853	0.995781	0	0	0	0	0	0
0.910149	0.932466	0	0	0	0	0	0
0.189396	0.422635	0	0	0	0	0	0
0.00022	0.001366	0	0	0	0	0	0
0.999906	0.999823	0	0	0	0	0	0

0.904234	0.949874	0	0	0	0	0	0
0.948133	0.942657	0	0	0	0	0	0
0.981894	0.97642	0	0	0	0	0	0
0.997693	0.991142	0	0	0	0	0	0
0.983272	0.984662	0	0	0	0	0	0
0.999759	0.998627	0	0	0	0	0	0
0.999851	0.999837	0	0	0	0	0	0
0.99984	0.99981	0	0	0	0	0	0
0.000312	0.000206	0	0	0	0	0	0
0.99934	0.998026	0	0	0	0	0	0
0.992901	0.971663	0	0	0	0	0	0
0.998404	0.996065	0	0	0	0	0	0
0.004108	0.001909	0	0	0	0	0	0
0.002338	0.002164	0	0	0	0	0	0
0.951938	0.928107	0	0	0	0	0	0
0.020536	0.026949	0	0	0	0	0	0
0.99854	0.998426	0	0	0	0	0	0
0.000603	0.001233	0	0	0	0	0	0
0.998873	0.994161	0	0	0	0	0	0
0.00018	0.000312	0	0	0	0	0	0
0.999053	0.996225	0	0	0	0	0	0
0.99987	0.999835	0	0	0	0	0	0
0.997686	0.997258	0	0	0	0	0	0
0.206963	0.13232	0.04	0	0	0	0	0
0.008977	0.038727	0.03	0	0	0	0	0
0.088393	0.182952	0.05	0	0	0	0	0
0.999161	0.998942	0	0	0	0	0	0
0.998955	0.997652	0	0	0	0	0	0
0.991854	0.988434	0	0	0	0	0	0
0.993853	0.999643	0	0	0	0	0	0
0.167984	0.028518	0	0	0	0	0	0
0.999663	0.999173	0	0	0	0	0	0
0.997151	0.997819	0	0	0	0	0	0
0.991329	0.992436	0	0	0	0	0	0
0.993348	0.97745	0	0	0	0	0	0
0.999727	0.999435	0	0	0	2	0	0
0.996331	0.997121	0	0	0	0	0	0
0.007674	0.008351	0	0	0	0	0	0
0.970589	0.961628	0	0	0	0	0	0
0.011668	0.008765	0	0	0	0	0	0
0.837526	0.955935	0	0	0	0	0	0
0.015893	0.118292	0.06	0	0	0	0	0
0.9879	0.920059	0.01	0	0	0	0	0
0.991	0.926779	0.01	0	0	0	0	0
0.503459	0.172152	0.2	0	0	0	0	0
0.979212	0.961483	0	0	0	0	0	0
0.980076	0.943663	0	0	0	0	0	0

0.987712	0.973741	0	0	0	0	0	0
0.99376	0.992293	0	0	0	0	0	0
0.994412	0.984208	0	0	0	2	0	0
0.994227	0.988314	0	0	0	0	0	0
0.992948	0.988313	0	0	0	0	0	0
0.993865	0.988054	0	0	0	0	0	0
0.990931	0.989796	0	0	0	0	0	0
0.992539	0.995656	0	0	0	0	0	0
0.990351	0.989013	0	0	0	0	0	0
0.987134	0.969884	0	0	0	4	0	0
0.992022	0.96676	0	0	0	0	0	0
0.993795	0.997748	0	0	0	0	0	0
0.977846	0.991121	0	0	0	0	0	0
0.994337	0.987636	0	0	0	3	0	0
0.992819	0.985556	0	0	0	0	0	0
0.984305	0.984523	0	0	0	0	0	0
0.978258	0.9764	0	0	0	0	0	0
0.990329	0.967579	0	0	0	0	0	0
0.0116	0.013605	0	0	0	0	0	0
0.984079	0.983525	0	0	0	0	0	0
0.252062	0.091716	0.03	0	0	0	0	0
0.018386	0.015766	0	0	0	0	0	0
0.963687	0.910861	0	0	0	0	0	0
0.991979	0.989291	0	0	0	0	0	0
0.988176	0.959483	0	0	0	0	0	0
0.995401	0.991106	0	0	0	0	0	0
0.994702	0.996398	0	0	1	0	4	1
0.993916	0.993911	0	0	1	0	0	0
0.998902	0.995786	0	0	0	0	0	0
0.999232	0.997182	0	0	0	0	0	0
0.998655	0.996479	0	0	0	0	0	0
0.963678	0.965268	0	0	0	0	0	0
0.994742	0.991118	0	0	0	0	0	0
0.979491	0.983224	0	0	0	0	0	0
0.991761	0.988385	0	0	0	0	0	0
0.359789	0.13328	0.03	0	0	0	0	0
0.984766	0.988921	0	0	0	0	0	0
0.96016	0.958828	0	0	0	0	0	0
0.054369	0.054213	0	0	0	0	0	0
0.052665	0.036029	0	0	0	0	0	0
0.263142	0.31688	0	0	0	0	0	0
0.145634	0.159742	0	0	0	0	0	0
0.201149	0.229547	0	0	0	0	0	0
0.999095	0.997427	0	0	1	0	0	0
0.992937	0.955937	0	0	0	0	0	0
0.671114	0.688468	0	0	0	0	0	0
0.908099	0.968764	0	0	0	0	0	0

0.970844	0.986166	0	0	0	0	0	0
0.989303	0.973952	0	0	0	0	0	0
0.907214	0.953841	0	0	0	0	0	0
0.985332	0.968935	0	0	0	0	0	0
0.989155	0.977015	0	0	0	0	0	0
0.990469	0.953527	0	0	0	0	0	0
0.979196	0.942972	0	0	0	0	0	0
0.982595	0.969297	0	0	0	0	0	0
0.961597	0.967534	0	0	0	0	0	0
0.987581	0.95518	0	0	0	0	0	0
0.912081	0.963349	0	0	0	0	0	0
0.493333	0.750808	0	0	0	0	0	0
0.791479	0.147521	0.38	0	0	0	0	0
0.992339	0.982413	0	0	0	0	0	0
0.978	0.973168	0	0	0	0	0	0
0.970624	0.963942	0	0	0	0	0	0
0.937722	0.953684	0	0	0	0	0	0
0.942377	0.963165	0	0	0	0	0	0
0.936468	0.943341	0	0	0	0	0	0
0.963445	0.974124	0	0	0	0	0	0
0.94807	0.907168	0	0	0	0	0	0
0.051164	0.062873	0	0	0	0	0	0
0.970238	0.985111	0	0	0	0	0	0
0.973524	0.977326	0	0	0	0	0	0
0.972154	0.970948	0	0	0	0	0	0
0.973795	0.978275	0	0	0	0	0	0
0.902805	0.948981	0	0	0	0	0	0
0.35846	0.186743	0	0	0	0	0	0
0.943613	0.979981	0	0	0	0	0	0
0.997226	0.9942	0	0	0	0	0	0
0.006404	0.046544	0.01	0	0	0	0	0
0.99631	0.995054	0	0	0	0	0	0
0.99651	0.997085	0	0	0	0	0	0
0.998248	0.993481	0	0	0	0	0	0
0.931313	0.987538	0	0	0	0	0	0
0.911603	0.988154	0.03	0	0	0	0	0
0.96763	0.948267	0	0	0	0	0	0
0.92432	0.945322	0	0	0	0	0	0
0.955781	0.806833	0	0	0	0	0	0
0.95179	0.957096	0	0	0	0	0	0
0.963608	0.969512	0	0	0	0	0	0
0.90005	0.891495	0	0	0	0	0	0
0.003065	0.003707	0	0	0	0	0	0
0.998577	0.998814	0	0	0	0	0	0
0.016352	0.036965	0	0	0	0	0	0
0.010287	0.05276	0	0	0	0	0	0
0.003039	0.004774	0	0	0	0	0	0

0.99676	0.993893	0	0	0	0	0	0
0.999022	0.99087	0	0	0	0	0	0
0.991281	0.987692	0	0	0	0	0	0
0.945872	0.901161	0	0	0	0	0	0
0.26055	0.268893	0	0	0	0	0	0
0.920614	0.577845	0.01	0	0	0	0	0
0.991549	0.965242	0	0	0	0	0	0
0.990231	0.989557	0	0	0	0	0	0
0.983613	0.991882	0	0	0	0	0	0
0.988651	0.991097	0	0	0	0	0	0
0.992451	0.996196	0	0	0	0	0	0
0.037825	0.064182	0	0	0	0	0	0
0.991102	0.986618	0	0	0	0	0	0
0.984223	0.997657	0	0	0	0	0	0
0.992613	0.977899	0	0	0	0	0	0
0.968026	0.95832	0	0	0	0	0	0
0.997007	0.984984	0	0	0	0	0	0
0.997201	0.989943	0	0	0	0	0	0
0.996798	0.983311	0	0	0	0	0	0
0.854576	0.27707	0.32	0	0	0	0	0
0.059984	0.413772	0.23	0	0	0	0	0
0.99153	0.988455	0	0	0	0	0	0
0.065495	0.02388	0	0	0	0	0	0
0.995048	0.990946	0	0	0	0	0	0
0.939293	0.930903	0	0	0	0	0	0
0.993233	0.995547	0	0	0	0	0	0
0.027571	0.03017	0	0	0	0	0	0
0.674037	0.661521	0	0	0	0	0	0
0.996339	0.976066	0	0	0	0	0	0
0.974111	0.966445	0	0	0	0	0	0
0.994191	0.955215	0	0	0	0	0	0
0.008819	0.007866	0	0	0	0	0	0
0.990053	0.964978	0.01	0	0	0	0	0
0.283774	0.487402	0.07	0	0	13	0	0
0.869772	0.908889	0.05	0	0	4	0	0
0.879279	0.92142	0.05	0	0	0	0	0
0.988271	0.992139	0	0	0	2	6	0
0.994075	0.998357	0	0	0	0	0	0
0.099179	0.533471	0.14	0	0	0	0	0
0.114287	0.587544	0.02	0	0	0	0	0
0.977314	0.97436	0	0	0	0	0	0
0.980921	0.988422	0	0	0	0	0	0
0.9825	0.96721	0	0	0	0	0	0
0.968334	0.927489	0	0	0	0	0	0
0.981348	0.957876	0	0	0	0	0	0
0.984631	0.986298	0	0	0	0	0	0
0.965848	0.972402	0	0	0	0	0	0

0.981202	0.98448	0	0	0	0	0	0
0.970265	0.934843	0	0	0	0	0	0
0.901338	0.897035	0	0	0	0	0	0
0.518808	0.308878	0	0	0	0	0	0
0.049799	0.032554	0	0	0	0	0	0
0.002815	0.003713	0	0	0	0	0	0
0.844417	0.812215	0	0	0	0	0	0
0.997923	0.996918	0	0	0	0	0	0
0.868782	0.93823	0.02	0	0	0	0	0
0.992415	0.987104	0	0	0	0	0	0
0.005311	0.009901	0	0	0	0	0	0
0.994511	0.984663	0	0	0	0	0	0
0.993395	0.995288	0	0	0	0	0	0
0.950965	0.893164	0.01	0	0	0	0	0
0.946496	0.968258	0	0	0	0	0	0
0.774855	0.908639	0	0	0	0	0	0
0.983378	0.878273	0.01	0	0	0	31	5
0.98835	0.990811	0	0	0	0	0	0
0.978828	0.210639	0.62	0	0	0	0	0
0.988952	0.990015	0	0	0	0	0	0
0.986866	0.990122	0	0	0	0	0	0
0.975459	0.98719	0	0	0	0	0	0
0.972915	0.987472	0	0	0	0	0	0
0.895388	0.983366	0	0	0	0	0	0
0.986243	0.990007	0	0	0	0	0	0
0.986419	0.990829	0	0	0	0	0	0
0.955308	0.395161	0.35	0	0	4	2	0
0.990343	0.973724	0	0	0	0	0	0
0.9784	0.975589	0	0	0	0	0	0
0.986944	0.980123	0	0	0	0	0	0
0.98637	0.978089	0	0	0	0	0	0
0.992169	0.950988	0	0	0	0	0	0
0.583291	0.772044	0	0	0	0	0	0
0.96538	0.969655	0	0	0	0	0	0
0.904721	0.726335	0	0	0	0	0	0
0.9164	0.867069	0	0	0	0	0	0
0.991795	0.980199	0	0	0	0	0	0
0.990558	0.966705	0	0	0	0	0	0
0.984161	0.961844	0	0	0	0	0	0
0.977881	0.971442	0	0	0	0	0	0
0.953849	0.952945	0	0	0	0	0	0
0.968795	0.946819	0	0	0	0	0	0
0.921282	0.948358	0	0	0	0	0	0
0.999221	0.959124	0.01	0	0	0	0	0
0.670673	0.721385	0	0	0	0	0	0
0.95462	0.939902	0	0	0	0	0	0
0.935976	0.916881	0	0	0	0	0	0

0.055318	0.130209	0	7	0	0	0	2
0.672753	0.653411	0	0	0	0	0	0
0.040908	0.194898	0.06	0	0	0	0	0
0.995915	0.990693	0	0	7	0	0	0
0.998853	0.879332	0.07	0	0	0	0	0
0.782531	0.707151	0	0	0	0	0	0
0.97051	0.928088	0	0	0	0	0	0
0.980414	0.982355	0	0	0	0	0	0
0.57774	0.396195	0.08	0	0	0	0	0
0.013048	0.023242	0	0	0	0	0	0
0.995431	0.991718	0	0	0	0	0	0
0.007455	0.024913	0	0	0	0	0	0
0.033378	0.047552	0	0	0	0	0	0
0.97588	0.97819	0	0	0	0	0	0
0.985007	0.981484	0	0	0	0	0	0
0.014157	0.03395	0	0	0	0	0	0
0.924051	0.629369	0.19	0	0	0	0	0
0.988002	0.983459	0	0	0	0	0	0
0.996712	0.995508	0	0	0	0	0	0
0.943296	0.992404	0	0	0	0	0	0
0.031148	0.050773	0	0	0	0	0	0
0.970052	0.939232	0	0	0	0	0	0
0.979898	0.873671	0	0	0	0	0	0
0.983062	0.773814	0.07	0	0	0	0	0
0.987191	0.809007	0.05	0	0	0	0	0
0.972003	0.907401	0	0	0	0	0	0
0.982058	0.970605	0	0	0	0	0	0
0.924536	0.782457	0.08	0	0	0	0	0
0.9976	0.99516	0	0	0	0	0	0
0.927532	0.736345	0	0	0	0	0	0
0.996342	0.998604	0	0	0	0	0	0
0.984525	0.995123	0	0	0	0	0	0
0.971435	0.991883	0	0	0	0	0	0
0.991512	0.99567	0	0	0	0	0	0
0.970431	0.997653	0	0	0	0	0	0
0.958917	0.990622	0	0	0	0	0	0
0.956516	0.980117	0	0	0	0	0	0
0.953335	0.973909	0	0	0	0	0	0
0.960943	0.970935	0	0	0	0	0	0
0.915326	0.981032	0	0	0	0	0	0
0.960867	0.980142	0	0	0	0	0	0
0.991261	0.972431	0	0	0	0	0	0
0.738656	0.859065	0	0	0	0	0	0
0.994173	0.996009	0	0	0	0	0	0
0.843449	0.90553	0	0	0	0	0	0
0.030233	0.012394	0	0	0	0	0	0
0.700648	0.818978	0	0	0	0	0	0

0.903461	0.786467	0	0	0	0	0	0
0.995126	0.996162	0	0	0	0	0	0
0.938686	0.980196	0	0	0	0	0	0
0.428964	0.424165	0	0	0	0	0	0
0.952779	0.973979	0	0	0	0	0	0
0.996985	0.96381	0	0	0	0	0	0
0.993595	0.973972	0	0	0	0	0	0
0.997259	0.980585	0	0	0	0	0	0
0.994311	0.991247	0	0	0	0	0	0
0.995629	0.996733	0	0	0	0	0	0
0.97744	0.88412	0	0	0	0	0	0
0.992319	0.978021	0	0	0	0	0	0
0.990922	0.946874	0	0	0	0	0	0
0.993093	0.989022	0	0	0	0	0	0
0.020015	0.007654	0	0	0	0	0	0
0.972668	0.99447	0	0	0	0	0	0
0.939039	0.981136	0	0	0	0	0	0
0.032233	0.078322	0	0	0	0	0	0
0.079161	0.487777	0.09	0	0	0	0	0
0.987673	0.984642	0	0	0	0	0	0
0.033184	0.02143	0	0	0	0	0	0
0.994842	0.979947	0	0	0	0	0	0
0.992786	0.912338	0.03	0	0	0	0	0
0.915678	0.616441	0.1	0	0	0	0	0
0.959737	0.974793	0	0	0	0	0	0
0.068142	0.109768	0	0	0	0	0	0
0.978521	0.942999	0	0	0	0	0	0
0.019181	0.020588	0	0	0	0	0	0
0.984422	0.95842	0	0	0	0	0	0
0.938503	0.948567	0	0	0	0	0	0
0.99379	0.998279	0	0	0	0	0	0
0.894641	0.872402	0	0	0	0	0	0
0.934771	0.899667	0	0	0	0	0	0
0.955166	0.881761	0	0	0	0	0	0
0.017902	0.033067	0	0	0	0	0	0
0.9926	0.959211	0	0	0	0	0	0
0.975579	0.956524	0	0	0	0	0	0
0.990362	0.985575	0	0	0	0	0	0
0.993373	0.982491	0	0	0	0	0	0
0.987911	0.951698	0	0	0	0	0	0
0.993168	0.974853	0	0	0	0	0	0
0.991089	0.985918	0	0	0	0	0	0
0.960858	0.935922	0	0	0	0	0	0
0.990631	0.992122	0	0	0	0	0	0
0.994075	0.990236	0	0	0	0	0	0
0.035835	0.01165	0	0	0	0	0	0
0.019465	0.012367	0	0	0	0	0	0

0.972036	0.948035	0	0	0	0	0	0
0.976637	0.937907	0	0	0	0	0	0
0.996214	0.987947	0	0	0	0	0	0
0.99428	0.916696	0.02	0	0	0	0	0
0.998476	0.990458	0	0	0	0	0	0
0.045779	0.466319	0.34	0	1	0	0	0
0.006659	0.057753	0	0	1	13	10	10
0.998494	0.996212	0	0	1	0	8	8
0.999047	0.975504	0.01	0	0	0	0	0
0.998197	0.934256	0.03	0	0	0	0	0
0.99027	0.978543	0	0	0	0	0	0
0.994089	0.984188	0	0	0	0	0	0
0.998848	0.9982	0	0	0	0	0	0
0.997241	0.995434	0	0	0	0	0	0
0.997607	0.996043	0	0	0	0	0	0
0.997628	0.996523	0	0	0	0	0	0
0.07824	0.076956	0	0	0	0	0	0
0.997554	0.997174	0	0	0	0	0	0
0.992322	0.991433	0	0	0	0	2	0
0.993388	0.988913	0	0	0	0	0	0
0.9973	0.995138	0	0	0	0	0	0
0.991922	0.994952	0	0	0	0	0	0
0.985792	0.855085	0.09	0	0	0	0	0
0.007681	0.080131	0.04	0	0	0	0	0
0.006997	0.07167	0.02	0	0	0	0	0
0.998677	0.99898	0	0	0	0	0	0
0.014787	0.015507	0	0	0	0	0	0
0.981431	0.975247	0	0	0	0	0	0
0.342659	0.528852	0	0	0	0	0	0
0.021972	0.031386	0	0	0	0	0	0
0.973308	0.238961	0.53	0	0	0	0	0
0.994151	0.991869	0	0	0	0	0	0
0.991981	0.994101	0	0	0	0	0	0
0.015545	0.010738	0	0	0	0	0	0
0.032914	0.171111	0	0	0	0	0	0
0.985794	0.983327	0	0	0	0	0	0
0.80827	0.93678	0	0	0	0	0	0
0.981939	0.967928	0	0	0	0	0	0
0.986031	0.950152	0	0	0	0	0	0
0.991514	0.97708	0	0	0	0	0	0
0.015462	0.020423	0	0	0	0	0	0
0.024376	0.07613	0	0	0	0	0	0
0.993686	0.949087	0	0	0	0	0	0
0.047596	0.057297	0	0	0	0	0	0
0.994347	0.989335	0	0	0	0	0	0
0.99202	0.975886	0	0	0	0	0	0
0.984396	0.972118	0	0	0	0	0	0

0.985076	0.974453	0	0	0	0	0	0
0.987926	0.981943	0	0	0	0	0	0
0.987737	0.985847	0	0	0	0	0	0
0.989196	0.986656	0	0	0	0	0	0
0.939519	0.853133	0	0	0	0	0	0
0.988231	0.946955	0	0	0	0	0	0
0.995816	0.980968	0	0	0	0	0	0
0.994313	0.996674	0	0	0	0	0	0
0.993994	0.985222	0	0	0	0	0	0
0.990725	0.966097	0	0	0	0	0	0
0.976845	0.912427	0	0	0	0	0	0
0.975596	0.927951	0	0	0	0	0	0
0.983337	0.959359	0	0	0	0	0	0
0.081714	0.100573	0	0	0	0	0	0
0.047902	0.06322	0	0	0	0	0	0
0.591103	0.493081	0	0	0	0	0	0
0.558034	0.517462	0	0	0	0	0	0
0.988663	0.972656	0	0	0	0	0	0
0.973698	0.981036	0	0	0	0	0	0
0.70378	0.835758	0	0	0	0	0	0
0.982445	0.987886	0	0	0	0	0	0
0.95232	0.968702	0	0	0	0	0	0
0.973542	0.953092	0	0	0	0	0	0
0.962273	0.853208	0	0	0	0	0	0
0.969792	0.859436	0	0	0	0	0	0
0.914799	0.917072	0	0	0	0	0	0
0.313427	0.338045	0	0	0	0	0	0
0.994292	0.979515	0	0	0	0	0	0
0.979117	0.972455	0	0	0	0	0	0
0.960054	0.983254	0	0	0	0	0	0
0.047832	0.069923	0	0	0	0	0	0
0.05814	0.048641	0	0	0	0	0	0
0.997711	0.996083	0	0	0	0	0	0
0.037324	0.056889	0	0	0	0	0	0
0.964286	0.429523	0.33	0	0	0	0	0
0.346612	0.383611	0	0	0	0	0	0
0.956941	0.922975	0.01	0	0	0	0	0
0.000687	0.001201	0	0	0	0	0	0
0.998059	0.999139	0	0	0	0	0	0
0.002363	0.002785	0	0	0	0	0	0
0.001943	0.001843	0	0	0	0	0	0
0.99589	0.998616	0	0	0	0	0	0
0.996327	0.99094	0	0	0	0	0	0
0.002122	0.005295	0	0	0	0	0	0
0.998245	0.994521	0	0	0	0	0	0
0.001013	0.002338	0	0	0	0	0	0
0.983841	0.981456	0	0	0	0	0	0

0.993598	0.987664	0	0	0	0	0	0
0.987822	0.97998	0	0	0	0	0	0
0.988475	0.98221	0	0	0	0	0	0
0.996437	0.997787	0	0	0	0	0	0
0.979658	0.864851	0.02	0	0	0	0	0
0.970056	0.980567	0	0	0	0	0	0
0.984731	0.994353	0	0	0	0	0	0
0.946687	0.942709	0	0	0	0	0	0
0.992495	0.991999	0	0	0	0	0	0
0.990494	0.970561	0	0	0	0	0	0
0.991249	0.988549	0	0	0	0	0	0
0.961745	0.950111	0	0	0	0	0	0
0.935276	0.975741	0	0	0	0	0	0
0.981915	0.934428	0	0	0	0	0	0
0.983115	0.941268	0	0	0	0	0	0
0.992653	0.995756	0	0	0	0	0	0
0.993278	0.994271	0	0	0	0	0	0
0.994631	0.995741	0	0	0	0	0	0
0.978216	0.989394	0	0	0	0	0	0
0.977339	0.993958	0	0	0	0	0	0
0.131934	0.021476	0.04	0	0	0	0	0
0.994469	0.996	0	0	0	0	0	0
0.992081	0.991092	0	0	0	0	0	0
0.987862	0.990992	0	0	0	0	0	0
0.992854	0.986231	0	0	0	0	0	0
0.997963	0.996992	0	0	0	0	0	0
0.998871	0.998162	0	0	0	0	0	0
0.99527	0.997958	0	0	0	0	0	0
0.992252	0.995843	0	0	0	0	0	0
0.976305	0.879653	0	0	0	0	0	0
0.989509	0.976088	0	0	0	0	0	0
0.984508	0.969667	0	0	0	0	0	0
0.986198	0.977055	0	0	0	0	0	0
0.986462	0.977706	0	0	0	0	0	0
0.987092	0.982637	0	0	0	0	0	0
0.990413	0.988575	0	0	0	0	0	0
0.990623	0.991019	0	0	0	0	0	0
0.992264	0.991757	0	0	0	0	0	0
0.96671	0.994457	0	0	0	0	0	0
0.987273	0.982661	0	0	0	0	0	0
0.97801	0.992736	0	0	0	0	0	0
0.921784	0.931676	0	0	0	0	0	0
0.986788	0.995927	0	0	0	0	0	0
0.021433	0.032318	0	0	0	0	0	0
0.023565	0.026708	0	0	0	0	0	0
0.988563	0.997087	0	0	0	0	0	0
0.980224	0.986183	0	0	0	0	0	0

0.003362	0.003321	0	0	0	0	0	0
0.998122	0.997364	0	0	0	0	0	0
0.98102	0.988053	0	0	0	0	0	0
0.992589	0.998138	0	0	0	0	0	0
0.00841	0.004903	0	0	0	0	0	0
0.995401	0.997926	0	0	0	0	0	0
0.993738	0.998081	0	0	0	0	0	0
0.995424	0.99871	0	0	0	0	0	0
0.992986	0.996782	0	0	0	0	0	0
0.99393	0.997368	0	0	0	0	0	0
0.992979	0.995668	0	0	0	0	0	0
0.023403	0.011549	0	0	0	0	0	0
0.991926	0.995892	0	0	0	0	0	0
0.991974	0.996503	0	0	0	0	0	0
0.994076	0.99721	0	0	0	0	0	0
0.967954	0.935337	0	0	0	0	6	6
0.960686	0.915891	0	0	0	0	23	6
0.014175	0.024977	0	0	0	0	0	0
0.987013	0.990813	0	0	0	0	0	0
0.986168	0.998304	0	0	0	0	0	0
0.980863	0.998168	0	0	0	0	0	0
0.035119	0.401574	0.28	0	0	0	0	0
0.995088	0.995599	0	0	0	0	0	0
0.009088	0.095157	0.02	0	0	0	0	0
0.995277	0.997724	0	0	0	0	0	0
0.97856	0.944129	0	0	0	0	0	0
0.975647	0.95854	0	0	0	0	0	0
0.986008	0.985371	0	0	0	0	0	0
0.987388	0.980163	0	0	0	0	0	0
0.99075	0.990705	0	0	0	0	0	0
0.993287	0.992404	0	0	0	0	0	0
0.017447	0.014732	0	0	0	0	0	0
0.995487	0.984	0	0	0	0	0	0
0.997268	0.985289	0	0	0	0	0	0
0.941886	0.965438	0	0	0	0	0	0
0.983128	0.986538	0	0	0	0	0	0
0.989946	0.884032	0.02	0	0	0	0	0
0.984963	0.941411	0	0	0	0	0	0
0.976514	0.950709	0	0	0	0	0	0
0.977978	0.945015	0	0	0	0	0	0
0.989714	0.977036	0	0	0	0	0	0
0.99001	0.983753	0	0	0	0	0	0
0.991251	0.984883	0	0	0	0	0	0
0.990182	0.985552	0	0	0	0	0	0
0.986513	0.971832	0	0	0	0	0	0
0.985923	0.950755	0	0	0	0	0	0
0.98725	0.966978	0	0	0	0	0	0

0.965237	0.961431	0	0	0	0	0	0
0.974408	0.967095	0	0	0	0	0	0
0.976327	0.948893	0	0	1	1	0	0
0.976021	0.93505	0	0	0	0	0	0
0.049888	0.343319	0.07	0	0	0	0	0
0.96763	0.940552	0	0	0	0	0	0
0.949485	0.945006	0	0	0	0	0	0
0.981525	0.939648	0	0	0	0	0	0
0.987771	0.969313	0	0	0	0	0	0
0.984501	0.964264	0	0	0	0	0	0
0.990644	0.975146	0	0	0	0	0	0
0.972137	0.978705	0	0	0	0	0	0
0.990318	0.980902	0	0	0	0	0	0
0.985968	0.963479	0	0	0	0	0	0
0.983758	0.953787	0	0	0	0	0	0
0.989401	0.959085	0	0	0	0	0	0
0.984211	0.965563	0	0	0	0	0	0
0.982343	0.969186	0	0	0	0	0	0
0.990174	0.985557	0	0	0	0	0	0
0.993993	0.994306	0	0	0	0	0	0
0.988753	0.984518	0	0	0	0	0	0
0.989303	0.984498	0	0	0	0	0	0
0.0239	0.047804	0	0	0	0	0	0
0.929177	0.967578	0	0	0	0	0	0
0.969863	0.922188	0	0	0	0	0	0
0.969579	0.979998	0	0	0	0	0	0
0.052505	0.056565	0	0	0	0	0	0
0.9623	0.970471	0	0	0	0	0	0
0.967682	0.820911	0	0	0	0	0	0
0.9772	0.908017	0	0	0	0	0	0
0.940878	0.958844	0	0	0	0	0	0
0.952321	0.924429	0	0	0	0	0	0
0.95894	0.941716	0	0	0	0	0	0
0.941035	0.940155	0	0	0	0	0	0
0.956793	0.939583	0	0	0	0	0	0
0.952628	0.878706	0	0	0	0	0	0
0.968144	0.946606	0	0	0	0	0	0
0.972689	0.956301	0	0	0	0	0	0
0.971114	0.905389	0	0	0	0	0	0
0.970026	0.929505	0	0	0	0	0	0
0.995648	0.988085	0	0	0	0	0	0
0.993933	0.990514	0	0	0	0	0	0
0.004691	0.01433	0	0	0	0	0	0
0.994144	0.964377	0	0	0	0	0	0
0.065094	0.038327	0	0	0	0	0	0
0.998997	0.99874	0	0	0	0	0	0
0.998922	0.998612	0	0	0	0	0	0

0.986067	0.964267	0	0	0	0	0	0
0.997106	0.98424	0	0	0	0	0	0
0.997453	0.993342	0	1	0	0	0	0
0.998093	0.99547	0	0	0	0	0	0
0.005201	0.026119	0	0	0	0	0	0
0.005583	0.045485	0	0	0	0	0	0
0.99283	0.985716	0	0	0	0	0	0
0.994728	0.991538	0	0	0	0	0	0
0.977033	0.978402	0	0	0	0	0	0
0.976242	0.981393	0	0	0	0	0	0
0.974237	0.972038	0	0	0	0	0	0
0.979367	0.977326	0	0	0	0	0	0
0.979489	0.986465	0	0	0	0	0	0
0.977126	0.989646	0	0	0	0	0	0
0.988284	0.982463	0	0	0	0	0	0
0.983157	0.982221	0	0	0	0	0	0
0.975582	0.979027	0	0	0	0	0	0
0.983956	0.984388	0	0	0	0	0	0
0.98868	0.987768	0	0	0	0	0	0
0.985117	0.98717	0	0	0	0	0	0
0.981992	0.988105	0	0	0	0	0	0
0.978128	0.985685	0	0	0	0	2	2
0.012559	0.014609	0	0	0	0	0	0
0.996942	0.99542	0	0	0	0	0	0
0.997376	0.995788	0	0	0	0	0	0
0.95115	0.832343	0.07	0	0	0	0	0
0.997202	0.98589	0	0	0	0	0	0
0.98561	0.969659	0	0	0	0	0	0
0.99192	0.991595	0	0	0	0	0	0
0.991247	0.995022	0	0	0	0	0	0
0.993319	0.99551	0	0	0	0	0	0
0.007352	0.007084	0	0	0	0	0	0
0.999886	0.99987	0	0	0	0	0	0
0.989798	0.976146	0	0	0	0	0	0
0.990497	0.933203	0	0	0	0	0	0
0.994014	0.993808	0	0	0	0	0	0
0.984558	0.984158	0	0	0	0	0	0
0.98936	0.967874	0	0	0	0	0	0
0.986093	0.979305	0	0	0	0	0	0
0.986533	0.959351	0	0	0	0	0	0
0.966682	0.937561	0	0	0	0	0	0
0.996318	0.98882	0	0	0	0	0	0
0.996761	0.989998	0	0	0	0	0	0
0.996628	0.992383	0	0	0	0	0	0
0.878882	0.726988	0.07	0	0	0	0	0
0.996023	0.990574	0	0	0	0	0	0
0.012682	0.013626	0	0	0	0	0	0

0.981724	0.994723	0	0	0	0	0	0
0.99457	0.991006	0	0	0	0	0	0
0.185882	0.183922	0	0	0	0	0	0
0.857552	0.837087	0	0	0	0	0	0
0.012976	0.027684	0	0	0	0	0	0
0.991647	0.929033	0	0	0	0	0	0
0.082703	0.083421	0	0	0	0	0	0
0.997405	0.993647	0	0	0	0	0	0
0.037376	0.036985	0	0	5	5	0	0
0.998887	0.994988	0	0	0	0	0	0
0.996606	0.980003	0	0	0	0	1	0
0.998515	0.999366	0	0	0	0	0	0
0.998426	0.996035	0	0	0	0	0	0
0.00532	0.001185	0	0	0	0	0	0
0.525742	0.43437	0	0	0	0	0	0
0.950435	0.980175	0	0	0	0	0	0
0.997134	0.949213	0.01	0	0	0	0	0
0.997796	0.955323	0	0	0	0	0	0
0.998702	0.92141	0.01	0	0	0	0	0
0.998582	0.897377	0.06	0	0	0	0	0
0.020154	0.04909	0	0	0	0	0	0
0.956528	0.903063	0	0	0	0	0	0
0.942825	0.934324	0	0	0	0	0	0
0.981485	0.964603	0	0	0	0	0	0
0.985921	0.972812	0	0	0	0	0	0
0.998021	0.997072	0	0	0	0	0	0
0.986106	0.947277	0	0	0	0	0	0
0.991816	0.99347	0	0	0	0	0	0
0.986202	0.77993	0.11	0	0	0	0	0
0.989589	0.90184	0.01	0	0	0	0	0
0.962906	0.97146	0	0	0	0	0	0
0.963255	0.971085	0	0	0	0	0	0
0.979234	0.93992	0	0	0	0	0	0
0.85877	0.956042	0	0	0	0	0	0
0.985855	0.987068	0	0	0	0	0	0
0.980396	0.983884	0	0	0	0	0	0
0.045873	0.065803	0	0	0	0	0	0
0.98834	0.982264	0	0	0	0	0	0
0.677069	0.469335	0	0	0	0	0	0
0.808521	0.862099	0	0	0	0	0	0
0.5705	0.624732	0	0	0	0	0	0
0.017586	0.014807	0	0	0	0	0	0
0.92694	0.928018	0	0	0	0	0	0
0.980723	0.966036	0	0	0	0	0	0
0.001939	0.001321	0	0	0	0	0	0
0.910361	0.854626	0	0	0	0	0	0
0.997591	0.99501	0	0	0	0	0	0

0.996059	0.976027	0.01	0	0	0	0	0
0.999571	0.993971	0	0	0	0	4	4
0.999397	0.991143	0	4	0	0	0	0
0.995254	0.999161	0	0	0	0	0	0
0.008719	0.007814	0	0	0	0	0	0
0.92853	0.995335	0.02	0	0	0	0	0
0.834363	0.730967	0.03	0	0	0	0	0
0.9974	0.993858	0	0	0	0	0	0
0.054976	0.051444	0	4	0	0	0	0
0.007414	0.015042	0	1	0	0	0	0
0.994246	0.927808	0	1	0	0	0	0
0.002493	0.002408	0	0	0	0	0	0
0.997904	0.998118	0	0	0	0	0	0
0.999173	0.999656	0	0	0	0	0	0
0.006827	0.015095	0	0	0	0	0	0
0.998764	0.998601	0	0	0	0	0	0
0.960957	0.982552	0	0	0	0	0	0
0.955291	0.959334	0	0	0	0	0	0
0.025595	0.017067	0	0	0	0	0	0
0.031769	0.030033	0	0	0	0	0	0
0.985006	0.988774	0	0	0	0	0	0
0.081653	0.28974	0.04	0	0	0	0	0
0.058397	0.116758	0	0	0	0	0	0
0.946304	0.940584	0	0	0	0	0	0
0.872963	0.8755	0	0	0	0	0	0
0.94576	0.97047	0	0	0	0	0	0
0.952014	0.972583	0	0	0	0	0	0
0.996969	0.995353	0	0	0	0	0	0
0.996953	0.997264	0	0	0	0	2	0
0.997348	0.986695	0	0	0	0	0	0
0.992122	0.958347	0	0	0	0	0	0
0.692068	0.66703	0	0	0	0	0	0
0.011378	0.047657	0	0	0	0	0	0
0.993044	0.990284	0	0	0	0	0	0
0.015184	0.020686	0	0	0	0	0	0
0.990748	0.974532	0	0	0	0	0	0
0.992561	0.991047	0	0	0	0	0	0
0.994767	0.99573	0	0	0	0	0	0
0.994892	0.995975	0	0	0	0	0	0
0.028684	0.025231	0	0	0	0	0	0
0.95452	0.982874	0	0	0	0	0	0
0.121789	0.229846	0	0	0	0	0	0
0.949457	0.985553	0	7	0	0	0	0
0.036641	0.074274	0	0	0	0	0	0
0.027026	0.047395	0	0	0	0	0	0
0.978991	0.981593	0	0	0	0	0	0
0.987196	0.985798	0	0	0	0	0	0

0.994072	0.984605	0	0	0	0	0	0
0.991982	0.992042	0	0	0	0	0	0
0.016911	0.01748	0	0	0	0	0	0
0.985082	0.985757	0	0	0	0	0	0
0.027583	0.050383	0	0	0	0	0	0
0.068486	0.114078	0	0	0	0	0	0
0.991799	0.986002	0	0	0	0	0	0
0.996066	0.989603	0	0	0	0	0	0
0.993448	0.962535	0	0	0	0	0	0
0.994667	0.992685	0	0	0	0	0	0
0.994788	0.993469	0	0	0	0	0	0
0.022235	0.017223	0	0	0	0	0	0
0.008687	0.044349	0	0	0	0	0	0
0.994737	0.984179	0	0	0	0	0	0
0.997464	0.990014	0	0	0	0	0	0
0.996863	0.991649	0	0	0	0	0	0
0.996219	0.997959	0	0	0	0	0	0
0.99844	0.997913	0	0	0	0	0	0
0.997365	0.989197	0	0	0	0	0	0
0.996039	0.996038	0	0	0	0	0	0
0.011167	0.03128	0	0	0	0	0	0
0.98229	0.989877	0	0	0	0	0	0
0.987291	0.904668	0.01	0	0	0	0	0
0.994617	0.994939	0	0	0	0	0	0
0.993235	0.994165	0	0	0	0	0	0
0.997842	0.997404	0	0	0	0	0	0
0.006205	0.011517	0	0	0	0	0	0
0.997311	0.998734	0	0	0	0	0	0
0.996933	0.998894	0	0	0	0	0	0
0.976623	0.986533	0	0	0	0	0	0
0.977252	0.901913	0	0	0	0	0	0
0.048309	0.052322	0	0	0	0	0	0
0.998089	0.994433	0	0	0	0	0	0
0.006194	0.016853	0	0	0	0	0	0
0.998312	0.989129	0	0	0	0	0	0
0.990595	0.984571	0	0	0	0	0	0
0.992878	0.987559	0	0	0	0	0	0
0.098116	0.060403	0	0	0	0	0	0
0.086756	0.099608	0	0	0	0	0	0
0.97262	0.971687	0	0	0	0	0	0
0.103461	0.063844	0	0	0	0	0	0
0.970927	0.976899	0	0	0	0	0	0
0.84878	0.2849	0.32	0	0	0	0	0
0.935704	0.771842	0	0	0	0	0	0
0.938382	0.939815	0	0	0	0	0	0
0.994879	0.994596	0	0	0	0	0	0
0.99551	0.997918	0	0	0	0	0	0

0.997197	0.998662	0	0	0	0	0	0
0.996775	0.996315	0	0	0	0	0	0
0.997286	0.978915	0	0	0	0	0	0
0.052296	0.069043	0	0	0	0	0	0
0.997536	0.995406	0	0	0	0	0	0
0.022681	0.017524	0	0	0	0	0	0
0.009853	0.070669	0	0	0	0	0	0
0.999256	0.987455	0	0	0	0	0	0
0.59511	0.677666	0	0	0	0	0	0
0.988737	0.889738	0.02	0	0	0	0	0
0.933706	0.945541	0	0	0	0	0	0
0.958615	0.974527	0	0	0	0	0	0
0.971498	0.871729	0	0	0	0	0	0
0.025614	0.03814	0	0	0	0	0	0
0.878918	0.785489	0	0	0	0	0	0
0.98397	0.955321	0	0	0	0	0	0
0.949333	0.938426	0	0	0	0	0	0
0.996966	0.996745	0	0	0	0	0	0
0.993969	0.992123	0	0	0	0	0	0
0.996919	0.995663	0	0	0	0	0	0
0.994186	0.927775	0.01	0	0	0	0	0
0.994618	0.973152	0	0	0	0	0	0
0.018704	0.0163	0	0	0	0	0	0
0.010167	0.016728	0	0	0	0	0	0
0.009788	0.037167	0	0	0	0	0	0
0.925579	0.901462	0	0	0	0	0	0
0.947032	0.974623	0	0	0	0	0	0
0.994813	0.994872	0	0	0	0	0	0
0.008635	0.010651	0	0	0	0	0	0
0.77217	0.840826	0.01	0	0	0	0	0
0.255859	0.374666	0	0	0	0	0	0
0.656312	0.767107	0	0	0	0	0	0
0.914016	0.638586	0	0	0	0	0	0
0.948977	0.961226	0	0	0	0	0	0
0.996304	0.966967	0	0	0	0	0	0
0.993873	0.95758	0	0	0	0	0	0
0.962382	0.932305	0	0	0	0	0	0
0.053388	0.062539	0	0	0	0	0	0
0.973274	0.948938	0	0	0	0	0	0
0.977475	0.91255	0	0	0	0	0	0
0.225058	0.352573	0	0	0	0	0	0
0.389805	0.67533	0	0	0	0	0	0
0.415366	0.767905	0	0	0	0	0	0
0.930342	0.888438	0	0	0	0	0	0
0.993799	0.995731	0	0	0	0	0	0
0.950053	0.990871	0	0	0	0	0	0
0.016213	0.082171	0	0	0	0	0	0

0.991827	0.985425	0	0	0	0	0	0
0.988333	0.989738	0	0	0	0	0	0
0.987541	0.974797	0	0	0	0	0	0
0.992949	0.98578	0	0	0	0	0	0
0.955689	0.974187	0	0	0	0	0	0
0.045398	0.031413	0	0	0	0	0	0
0.969327	0.972196	0	0	0	0	0	0
0.997491	0.998628	0	0	0	0	0	0
0.996728	0.984249	0	0	0	0	0	0
0.997859	0.997629	0	0	0	0	0	0
0.996549	0.997241	0	0	0	0	0	0
0.99651	0.976484	0	0	0	0	0	0
0.972735	0.997821	0	0	0	0	0	0
0.972058	0.955231	0	0	0	0	0	0
0.993649	0.996213	0	0	0	0	0	0
0.904807	0.944916	0	0	0	0	0	0
0.994514	0.998576	0	0	0	0	0	0
0.993876	0.998205	0	0	0	0	0	0
0.995598	0.994837	0	0	0	0	0	0
0.049558	0.084852	0	0	0	0	0	0
0.987373	0.992064	0	0	0	0	0	0
0.991881	0.987355	0	0	0	0	0	0
0.935513	0.951696	0	0	0	0	0	0
0.976732	0.985844	0	0	0	0	0	0
0.052253	0.027094	0	0	0	0	0	0
0.984908	0.994592	0	0	0	0	0	0
0.982689	0.980693	0	0	0	0	0	0
0.001355	0.00084	0	0	0	0	0	0
0.961976	0.984652	0	0	0	0	0	0
0.040508	0.030066	0	0	0	0	0	0
0.97178	0.980725	0	0	0	0	0	0
0.334097	0.33037	0	0	0	0	0	0
0.011136	0.009682	0	0	0	0	0	0
0.99748	0.992843	0	0	0	0	0	0
0.956791	0.903319	0.01	0	0	0	0	0
0.66441	0.762596	0	0	0	0	0	0
0.987815	0.994044	0	0	0	0	0	0
0.987676	0.989308	0	0	0	0	0	0
0.322646	0.317523	0	0	0	0	0	0
0.016249	0.021477	0	0	0	0	0	0
0.028136	0.04336	0	0	0	0	0	0
0.261595	0.260488	0	0	0	0	0	0
0.029003	0.075185	0	0	0	0	0	0
0.962473	0.954602	0	0	0	0	0	0
0.01429	0.054596	0	0	0	0	0	0
0.983962	0.989574	0	0	0	0	0	0
0.016542	0.008614	0	0	0	0	0	0

0.952415	0.801757	0.08	0	0	0	0	0
0.177945	0.184882	0	0	0	0	0	0
0.006582	0.001829	0	0	0	0	0	0
0.992088	0.984335	0	0	0	0	0	0
0.019093	0.035156	0	0	0	0	0	0
0.027221	0.092334	0	0	0	0	0	0
0.015132	0.068838	0	0	0	0	0	0
0.99665	0.986046	0	0	0	0	0	0
0.937118	0.884138	0	0	0	0	0	0
0.997682	0.996172	0	0	0	0	0	0
0.998631	0.999351	0	0	0	0	0	0
0.984227	0.777021	0.07	0	0	0	0	0
0.994464	0.997098	0	0	0	0	0	0
0.039274	0.068919	0	0	0	0	0	0
0.008583	0.004457	0	0	0	0	0	0
0.993703	0.991137	0	0	0	0	0	0
0.126264	0.323559	0.08	0	0	0	0	0
0.950126	0.986499	0	0	0	0	0	0
0.985443	0.991464	0	0	0	0	0	0
0.993648	0.985583	0	0	0	0	0	0
0.995928	0.996639	0	0	0	0	0	0
0.959907	0.922489	0	0	0	0	0	0
0.982325	0.961801	0	0	0	0	0	0
0.987309	0.970879	0	0	0	0	0	0
0.04121	0.022123	0	0	0	0	0	0
0.02602	0.09328	0.01	0	1	0	0	0
0.034235	0.051478	0	0	0	0	0	0
0.034289	0.082867	0	0	0	0	0	0
0.994813	0.933147	0	0	0	0	0	0
0.991125	0.920949	0.02	0	0	0	0	0
0.997337	0.988313	0	0	0	0	0	0
0.036124	0.047198	0	0	0	0	0	0
0.528904	0.63852	0	0	0	0	0	0
0.342832	0.267674	0	0	0	4	0	0
0.966649	0.982516	0	0	0	0	0	0
0.964954	0.992948	0	0	0	0	0	0
0.969869	0.99151	0	0	0	0	0	0
0.967936	0.972055	0	0	0	0	0	0
0.982986	0.951302	0	0	0	0	0	0
0.037115	0.03779	0	0	0	0	0	0
0.984279	0.98488	0	0	0	0	0	0
0.97628	0.988115	0	0	0	0	0	0
0.989115	0.99458	0	0	0	0	0	0
0.985515	0.991468	0	0	0	0	0	0
0.985125	0.995254	0	0	0	0	0	0
0.043307	0.067639	0	0	0	0	0	0
0.990135	0.995137	0	0	0	0	0	0

0.977019	0.982285	0	0	0	0	0	0
0.9706	0.895897	0	0	0	0	0	0
0.02637	0.051801	0	0	0	0	0	0
0.990813	0.963227	0	0	0	0	0	0
0.989765	0.988275	0	0	0	0	0	0
0.984792	0.990656	0	0	0	0	0	0
0.988692	0.983088	0	0	0	0	0	0
0.986611	0.977608	0	0	0	0	0	0
0.989004	0.994679	0	0	0	0	0	0
0.993302	0.99513	0	0	0	0	0	0
0.992985	0.995369	0	0	0	0	0	0
0.993222	0.995986	0	0	0	0	0	0
0.029622	0.051586	0	0	0	0	0	0
0.030635	0.103455	0	0	0	0	0	0
0.989833	0.487578	0.17	0	0	0	0	0
0.990061	0.527312	0.22	0	0	0	0	0
0.987672	0.972448	0	0	0	0	0	0
0.990421	0.636198	0.24	0	0	0	0	0
0.984752	0.976437	0	0	0	0	0	0
0.823282	0.948225	0	0	0	0	0	0
0.975107	0.985103	0	0	0	0	0	0
0.965491	0.990246	0	0	0	0	0	0
0.972274	0.981853	0	0	0	0	0	0
0.978641	0.983848	0	0	0	0	3	3
0.971878	0.970129	0	0	0	0	0	0
0.042218	0.07903	0	0	0	0	0	0
0.987777	0.997225	0	0	0	0	0	0
0.044564	0.044173	0	0	0	0	0	0
0.973214	0.981111	0	0	0	0	0	0
0.977338	0.982041	0	0	0	0	0	0
0.986698	0.993319	0	0	0	0	0	0
0.037501	0.074102	0	0	0	0	0	0
0.985034	0.9914	0	0	0	0	0	0
0.984793	0.975899	0	0	0	0	0	0
0.971135	0.970423	0	0	0	0	0	0
0.958621	0.939702	0	0	0	0	0	0
0.051714	0.044271	0	0	0	0	0	0
0.970899	0.978055	0	0	0	0	0	0
0.98111	0.990565	0	0	0	0	0	0
0.956365	0.962081	0	0	0	0	0	0
0.97279	0.966177	0	0	0	0	0	0
0.964988	0.97699	0	0	0	0	0	0
0.941941	0.981149	0	0	0	0	0	0
0.961047	0.981642	0	0	0	0	0	0
0.970395	0.969694	0	0	0	0	0	0
0.985362	0.955778	0	0	0	0	0	0
0.985947	0.976694	0	0	0	0	0	0

0.016029	0.02478	0	0	0	0	0	0
0.132497	0.50163	0.06	0	0	0	0	0
0.955223	0.98189	0	0	0	0	0	0
0.989054	0.970863	0	0	0	0	0	0
0.978839	0.969559	0	0	0	0	0	0
0.973529	0.963313	0	0	0	0	0	0
0.973475	0.973134	0	0	0	0	0	0
0.048779	0.050625	0	0	0	0	0	0
0.983164	0.978808	0	0	0	0	0	0
0.976039	0.969047	0	0	0	0	0	0
0.030818	0.056517	0	0	0	0	0	0
0.977048	0.963026	0	0	0	0	0	0
0.988841	0.992786	0	0	0	0	0	0
0.03316	0.017591	0	0	0	0	0	0
0.987487	0.991903	0	0	0	0	0	0
0.020731	0.0293	0	0	0	0	0	0
0.987854	0.99517	0	0	0	0	0	0
0.980544	0.950586	0	0	0	0	0	0
0.976813	0.96807	0	0	0	0	0	0
0.055008	0.027311	0	0	0	0	0	0
0.945079	0.952557	0	0	0	0	0	0
0.888412	0.953451	0	0	0	0	0	0
0.948002	0.943764	0	0	0	0	0	0
0.950864	0.807419	0	0	0	0	0	0
0.954996	0.906501	0	0	0	0	0	0
0.947544	0.933682	0	0	0	0	0	0
0.88089	0.951291	0	0	0	0	0	0
0.044849	0.043664	0	0	0	0	0	0
0.987442	0.904588	0	0	0	0	0	0
0.989516	0.961646	0	0	0	0	0	0
0.982936	0.969442	0	0	0	0	0	0
0.982908	0.934825	0	0	0	0	0	0
0.986086	0.987114	0	0	0	0	0	0
0.987691	0.98968	0	0	0	0	0	0
0.979288	0.991664	0	0	0	0	0	0
0.980845	0.954915	0	0	0	0	0	0
0.979493	0.757428	0.03	0	0	0	0	0
0.990193	0.910787	0.01	0	0	0	0	0
0.98836	0.987086	0	0	0	0	0	0
0.976878	0.980986	0	0	0	0	0	0
0.990718	0.98922	0	0	0	0	0	0
0.981939	0.984922	0	0	0	0	0	0
0.983428	0.859216	0	0	0	0	0	0
0.983448	0.871237	0.03	0	0	0	0	0
0.984662	0.967461	0	0	0	0	0	0
0.017005	0.002307	0	0	0	0	0	0
0.032587	0.010258	0	0	0	0	0	0

0.175908	0.069332	0	0	0	0	0	0
0.987143	0.992135	0	0	0	0	0	0
0.992924	0.987785	0	0	0	0	0	0
0.993611	0.993946	0	0	0	0	0	0
0.013863	0.02265	0	0	0	0	0	0
0.974829	0.985665	0	0	0	0	0	0
0.988297	0.97446	0	0	0	0	0	0
0.007357	0.005199	0	0	0	0	0	0
0.995756	0.996434	0	0	0	0	0	0
0.991524	0.987883	0	0	0	0	0	0
0.986589	0.989712	0	0	0	0	0	0
0.992948	0.995619	0	0	0	0	0	0
0.993287	0.996471	0	0	0	0	0	0
0.990728	0.991371	0	0	0	0	0	0
0.02892	0.044014	0	0	0	0	0	0
0.991659	0.974069	0	0	0	0	0	0
0.979054	0.988525	0	0	0	0	0	0
0.980883	0.98545	0	0	0	0	0	0
0.990645	0.980887	0	0	0	0	0	0
0.992224	0.988486	0	0	0	0	0	0
0.989384	0.983338	0	0	0	0	0	0
0.981737	0.991207	0	0	0	0	0	0
0.990861	0.988674	0	0	0	0	0	0
0.992538	0.994847	0	0	0	0	0	0
0.992617	0.988866	0	0	0	0	0	0
0.991094	0.988873	0	0	0	0	0	0
0.989816	0.964939	0	0	1	0	0	0
0.956711	0.888168	0	0	0	0	0	0
0.993166	0.981085	0	0	0	0	0	0
0.987682	0.995344	0	0	0	0	0	0
0.963596	0.964302	0	0	0	0	0	0
0.992112	0.927545	0	0	0	0	0	0
0.025596	0.027746	0	0	0	0	0	0
0.927966	0.972084	0	0	0	0	0	0
0.982678	0.989491	0	0	0	0	0	0
0.983978	0.975793	0	0	0	0	0	0
0.984298	0.990782	0	0	0	0	0	0
0.988018	0.991672	0	0	0	0	0	0
0.992338	0.991392	0	0	0	0	0	0
0.019586	0.023193	0	0	0	0	0	0
0.039588	0.017452	0	0	0	7	0	0
0.986235	0.976642	0	0	0	0	0	0
0.988933	0.968693	0	0	0	0	0	0
0.982526	0.961614	0	0	0	0	0	0
0.981333	0.947177	0	0	0	0	0	0
0.005422	0.010548	0	0	0	0	0	0
0.997135	0.997867	0	0	0	0	0	0

0.989981	0.977535	0	0	0	0	0	0
0.042885	0.017473	0	0	0	0	0	0
0.964059	0.967578	0	0	0	0	0	0
0.996809	0.997637	0	0	0	0	0	0
0.996791	0.996801	0	0	0	0	0	0
0.956808	0.951257	0	0	0	0	0	0
0.982021	0.903137	0	0	0	0	0	0
0.988776	0.967276	0	0	0	0	0	0
0.443283	0.823238	0	0	0	3	0	3
0.231343	0.208333	0	0	4	4	0	0
0.037708	0.0812	0	0	0	0	0	0
0.9527	0.965526	0	0	0	0	0	0
0.943839	0.94735	0	0	0	0	0	0
0.953332	0.956201	0	0	0	0	0	0
0.966591	0.840951	0	0	0	0	0	0
0.980447	0.989661	0	0	0	0	0	0
0.993866	0.996904	0	0	0	0	0	0
0.990231	0.910816	0.01	0	0	0	0	0
0.278139	0.129886	0.04	0	0	0	0	0
0.998443	0.999271	0	0	0	0	0	0
0.997281	0.998886	0	0	0	0	0	0
0.993943	0.983746	0	0	0	0	0	0
0.997177	0.998696	0	0	0	0	0	0
0.99894	0.998697	0	0	0	0	0	0
0.99491	0.934945	0.01	0	0	1	0	0
0.968372	0.978195	0	0	0	0	0	0
0.997792	0.994925	0	0	0	0	0	0
0.991896	0.947465	0.01	0	0	0	0	0
0.989134	0.948282	0	0	0	15	0	0
0.370555	0.640029	0.08	0	9	5	7	0
0.993968	0.98835	0	0	9	0	0	0
0.61171	0.802406	0	0	9	3	0	0
0.321647	0.697454	0.06	0	9	27	2	2
0.84887	0.952745	0	0	9	5	0	0
0.992226	0.991186	0	0	9	0	0	0
0.997721	0.992256	0	0	0	0	0	0
0.998573	0.991765	0	0	0	0	0	0
0.481156	0.446524	0	0	0	0	0	0
0.997567	0.89108	0.02	0	0	0	0	0
0.996855	0.993936	0	0	0	0	0	0
0.996207	0.987412	0	0	0	0	0	0
0.652999	0.503487	0	0	0	0	0	0
0.960168	0.983149	0	0	8	0	0	0
0.093115	0.083237	0	0	0	0	0	0
0.977064	0.98006	0	0	0	0	0	0
0.988319	0.978938	0	0	0	0	0	0
0.977884	0.980802	0	0	0	0	0	0

0.91694	0.980754	0	0	0	0	0	0
0.982512	0.984798	0	0	0	0	0	0
0.98367	0.984604	0	0	0	0	0	0
0.927512	0.950453	0	0	0	0	0	0
0.050721	0.083189	0	0	0	0	0	0
0.97493	0.954819	0	0	0	0	0	0
0.965997	0.953989	0	0	0	0	0	0
0.020445	0.160786	0.03	0	0	0	0	0
0.033849	0.021174	0	0	0	0	0	0
0.994661	0.996262	0	0	0	0	0	0
0.993679	0.996515	0	0	0	0	0	0
0.008136	0.007353	0	0	0	0	0	0
0.91521	0.242877	0.54	0	0	0	1	1
0.992945	0.98064	0	0	0	0	0	0
0.996021	0.993659	0	0	0	0	0	0
0.994068	0.994183	0	5	0	5	0	0
0.023328	0.020315	0	0	0	0	0	0
0.984217	0.984418	0	0	0	0	0	0
0.052579	0.030981	0	0	0	0	0	0
0.987447	0.948219	0	0	0	0	0	0
0.847227	0.775626	0	0	0	0	0	0
0.989093	0.991744	0	0	0	0	0	0
0.98922	0.991679	0	0	0	0	0	0
0.929716	0.989658	0	0	0	0	0	0
0.965424	0.960231	0	0	0	0	0	0
0.037165	0.04323	0	0	0	0	0	0
0.038304	0.019808	0	0	0	0	0	0
0.972047	0.967663	0	0	0	0	0	0
0.983199	0.98268	0	0	0	0	0	0
0.97641	0.989095	0	0	0	0	0	0
0.0506	0.110171	0	0	0	0	0	0
0.977288	0.981089	0	0	0	0	0	0
0.955449	0.972662	0	0	0	0	0	0
0.97482	0.927893	0	0	0	0	0	0
0.996394	0.998512	0	0	0	0	0	0
0.998975	0.999378	0	0	0	0	0	0
0.99698	0.994144	0	0	0	0	0	0
0.003856	0.056297	0.06	0	0	0	0	0
0.997453	0.947651	0.02	0	0	0	0	0
0.000516	0.003699	0	0	0	0	0	0
0.999066	0.997066	0	0	0	0	0	0
0.01027	0.015964	0	0	0	0	0	0
0.011313	0.034783	0	0	0	0	0	0
0.019357	0.006518	0	0	0	0	0	0
0.651349	0.328143	0.17	0	0	0	0	0
0.983179	0.98791	0	0	0	0	0	0
0.994322	0.992878	0	0	0	0	0	0

0.057734	0.053723	0	0	0	0	0	0
0.993215	0.993368	0	0	0	0	0	0
0.993106	0.994623	0	0	0	0	0	0
0.017073	0.010967	0	0	0	0	0	0
0.915974	0.970872	0	0	0	0	0	0
0.990967	0.775307	0.08	0	0	0	0	0
0.722274	0.652481	0	0	0	0	0	0
0.99691	0.987256	0	0	0	0	0	0
0.008314	0.014903	0	0	0	0	0	0
0.981636	0.994277	0	0	0	0	0	0
0.994304	0.988943	0	0	0	0	0	0
0.021622	0.056093	0	0	0	0	0	0
0.007886	0.040782	0	0	0	0	0	0
0.99692	0.975542	0	1	0	0	0	0
0.010496	0.052915	0	0	16	0	20	18
0.997712	0.997333	0	0	0	0	0	0
0.994913	0.993897	0	0	0	0	0	0
0.997736	0.998392	0	0	0	0	0	0
0.997356	0.995896	0	0	0	0	0	0
0.959073	0.976712	0	0	0	0	0	0
0.973078	0.986807	0	0	0	0	0	0
0.957992	0.977838	0	0	0	0	0	0
0.950792	0.975571	0	0	0	0	0	0
0.989882	0.986959	0	0	0	0	0	0
0.00691	0.01318	0	0	0	0	0	0
0.007468	0.014583	0	0	0	0	0	0
0.976452	0.97631	0	0	0	0	0	0
0.004377	0.004547	0	0	0	0	0	0
0.025109	0.105811	0	0	0	0	0	0
0.990235	0.978418	0	0	0	0	0	0
0.986294	0.942634	0.01	0	0	0	0	0
0.993783	0.990464	0	0	0	0	0	0
0.997598	0.992973	0	0	0	0	0	0
0.983445	0.846008	0.05	0	0	0	0	0
0.997206	0.993622	0	0	0	0	0	0
0.999279	0.999007	0	0	0	0	0	0
0.201938	0.46591	0.19	0	0	0	0	0
0.505096	0.414428	0	0	0	0	0	0
0.970283	0.783808	0	0	0	0	0	0
0.98656	0.971366	0	0	0	0	0	0
0.974972	0.982452	0	0	0	0	0	0
0.070606	0.017655	0	0	0	0	0	0
0.955452	0.969024	0	0	0	0	0	0
0.974449	0.947346	0	0	0	0	0	0
0.997469	0.99479	0	0	0	0	0	0
0.996653	0.992448	0	0	0	0	0	0
0.996724	0.964163	0	0	0	0	0	0

0.985461	0.724292	0.19	0	0	0	0	0
0.984405	0.735	0.18	0	0	0	0	0
0.990578	0.784384	0.16	0	0	0	0	0
0.004564	0.005129	0	0	0	0	0	0
0.012811	0.048234	0	0	0	0	0	0
0.993014	0.995028	0	0	0	0	0	0
0.901288	0.902155	0	0	0	0	0	0
0.916234	0.927624	0	0	0	0	0	0
0.999194	0.997544	0	0	0	0	0	0
0.999035	0.99509	0	0	0	0	0	0
0.031985	0.048032	0	0	0	0	0	0
0.031303	0.060314	0	0	0	0	0	0
0.991007	0.971506	0	0	0	0	0	0
0.031487	0.031184	0	0	0	0	0	0
0.988673	0.988546	0	0	0	0	0	0
0.986399	0.995555	0	0	0	0	0	0
0.988535	0.886704	0.03	0	0	0	0	0
0.987855	0.983816	0	0	0	0	0	0
0.976978	0.978902	0	0	0	0	0	0
0.982987	0.948116	0	0	0	0	0	0
0.996037	0.994434	0	0	0	0	2	2
0.995651	0.99828	0	0	0	0	0	0
0.995993	0.996243	0	0	0	0	0	0
0.036065	0.028299	0	0	0	0	0	0
0.992228	0.991655	0	0	0	0	0	0
0.008665	0.016277	0	0	0	0	0	0
0.013119	0.018671	0	0	0	0	0	0
0.975176	0.976623	0	0	0	0	0	0
0.995589	0.99654	0	0	0	0	0	0
0.992724	0.988738	0	0	0	0	0	0
0.993433	0.993041	0	0	0	0	0	0
0.995096	0.992072	0	0	0	0	0	0
0.961077	0.934589	0	0	0	0	0	0
0.03203	0.026752	0	0	0	0	0	0
0.987986	0.980216	0	0	0	0	0	0
0.986486	0.985404	0	0	0	0	0	0
0.982342	0.984205	0	0	0	0	0	0
0.036422	0.063077	0	0	0	0	0	0
0.971893	0.973035	0	0	0	0	0	0
0.842073	0.597316	0	0	0	0	0	0
0.054668	0.027438	0	0	0	0	0	0
0.922974	0.949857	0	0	0	0	0	0
0.986179	0.960542	0	0	0	0	0	0
0.969468	0.956722	0	0	0	0	0	0
0.37971	0.611047	0.1	0	0	0	0	0
0.998849	0.994335	0	0	0	0	0	0
0.002753	0.011083	0	0	0	0	0	0

0.992547	0.974313	0	0	0	0	0	0
0.992176	0.977237	0	0	0	0	0	0
0.996781	0.986175	0	0	0	0	0	0
0.984634	0.880565	0	0	0	0	0	0
0.940164	0.954632	0	0	0	0	0	0
0.070561	0.039361	0	0	0	0	0	0
0.962476	0.960626	0	0	0	0	0	0
0.638942	0.508777	0	0	0	0	0	0
0.966739	0.94122	0	0	0	0	0	0
0.989378	0.970565	0	0	0	0	0	0
0.0259	0.027413	0	0	0	0	0	0
0.993985	0.989502	0	0	0	0	0	0
0.991448	0.926202	0	0	0	0	0	0
0.992086	0.960708	0	0	0	0	0	0
0.975576	0.969461	0	0	0	0	0	0
0.994643	0.864705	0.05	0	0	0	0	0
0.987231	0.987827	0	0	0	0	0	0
0.990764	0.993652	0	0	0	0	0	0
0.959733	0.944431	0	0	0	0	0	0
0.964333	0.962829	0	0	0	0	0	0
0.946763	0.945944	0	0	0	0	0	0
0.960497	0.960417	0	0	0	0	0	0
0.957549	0.946006	0	0	0	0	0	0
0.049598	0.107445	0	0	0	0	0	0
0.73826	0.77554	0	0	0	0	0	0
0.976973	0.912511	0	0	0	0	0	0
0.9982	0.993525	0	0	0	0	0	0
0.998703	0.994556	0	0	0	0	0	0
0.971333	0.956266	0	0	0	0	0	0
0.048742	0.060444	0	0	0	0	0	0
0.784379	0.945987	0	0	0	0	0	0
0.944362	0.947793	0	0	0	0	0	0
0.970255	0.977122	0	0	0	0	0	0
0.990902	0.986856	0	0	0	0	0	0
0.991402	0.975094	0	0	0	0	0	0
0.994975	0.984136	0	0	0	0	0	0
0.994684	0.989214	0	0	0	0	0	0
0.335813	0.467894	0	0	0	0	0	0
0.876407	0.938523	0	0	0	0	0	0
0.995257	0.914909	0	0	0	0	0	0
0.994484	0.92561	0	0	0	0	0	0
0.977571	0.899257	0	0	0	0	0	0
0.993832	0.809074	0.06	0	0	0	0	0
0.987653	0.928536	0	0	0	0	0	0
0.984011	0.938788	0	0	0	0	0	0
0.989164	0.986421	0	0	0	0	0	0
0.971144	0.79481	0.05	0	0	0	0	0

0.965257	0.959301	0	0	0	0	0	0
0.977995	0.957951	0	0	0	0	0	0
0.996608	0.977815	0	0	0	0	0	0
0.995714	0.99183	0	0	0	0	0	0
0.997449	0.895447	0.04	0	0	0	0	0
0.996089	0.98279	0	0	0	0	0	0
0.067039	0.262281	0.02	0	0	0	0	0
0.995849	0.97145	0	0	0	0	0	0
0.004879	0.013676	0	0	0	0	0	0
0.023342	0.043452	0	0	0	0	0	0
0.987339	0.978413	0	0	0	0	0	0
0.623446	0.861064	0.1	0	0	0	0	0
0.905564	0.790274	0.01	0	0	0	0	0
0.836698	0.726809	0	0	0	0	0	0
0.13777	0.092844	0	0	0	0	0	0
0.902389	0.88546	0	0	0	0	0	0
0.998714	0.997182	0	0	0	0	0	0
0.980131	0.967795	0	0	0	0	0	0
0.02286	0.058758	0	0	0	0	0	0
0.966636	0.984302	0	0	0	0	0	0
0.957965	0.955265	0	0	0	0	0	0
0.966523	0.937402	0	0	0	0	0	0
0.010206	0.013341	0	0	0	0	0	0
0.974825	0.845101	0.04	0	0	0	0	0
0.576792	0.679872	0	0	0	0	0	0
0.984965	0.993127	0	0	0	0	0	0
0.948504	0.847546	0	0	0	0	0	0
0.961579	0.973454	0	0	0	0	0	0
0.978519	0.970009	0	0	0	0	0	0
0.975611	0.987809	0	0	0	0	0	0
0.931896	0.846567	0	0	0	0	0	0
0.920257	0.869063	0	0	0	0	0	0
0.997295	0.995753	0	0	0	0	0	0
0.996601	0.997926	0	0	0	0	0	0
0.995662	0.997873	0	0	0	0	0	0
0.996468	0.998078	0	0	0	0	0	0
0.996673	0.995449	0	0	0	0	0	0
0.996584	0.99708	0	0	0	0	0	0
0.99438	0.978783	0	0	0	0	0	0
0.994249	0.984776	0	0	0	0	0	0
0.008875	0.039021	0	0	0	0	0	0
0.010858	0.004054	0	0	0	0	0	0
0.020114	0.011978	0	0	0	0	0	0
0.966381	0.95228	0	0	0	0	0	0
0.99224	0.993361	0	0	0	0	0	0
0.993373	0.99114	0	0	0	0	0	0
0.030257	0.024574	0	0	0	0	0	0

0.993587	0.988632	0	0	0	0	0	0
0.941546	0.964947	0	0	0	0	0	0
0.991194	0.98556	0	0	0	0	0	0
0.995459	0.962039	0	0	0	0	0	0
0.994832	0.992131	0	0	0	0	0	0
0.02157	0.046706	0	0	0	0	0	0
0.019877	0.029184	0	0	0	0	0	0
0.987939	0.989935	0	0	0	0	0	0
0.994707	0.785726	0.14	0	0	0	0	0
0.979265	0.749409	0.13	0	0	0	0	0
0.726045	0.808736	0	0	0	0	0	0
0.452334	0.545898	0	0	0	0	0	0
0.104346	0.096156	0	0	0	0	0	0
0.995135	0.992869	0	0	0	0	0	0
0.99582	0.995693	0	0	0	0	0	0
0.35969	0.015284	0.18	0	0	0	0	0
0.99521	0.978825	0	0	0	0	0	0
0.595046	0.753083	0	0	0	0	0	0
0.963372	0.765748	0	0	0	0	2	3
0.961406	0.964282	0	0	0	0	0	0
0.936473	0.854643	0	0	0	0	0	0
0.999328	0.991717	0	6	0	0	0	0
0.999893	0.999593	0	0	0	0	0	0
0.999042	0.999457	0	0	0	0	0	0
0.004873	0.020064	0	0	0	0	0	0
0.998214	0.974869	0	0	0	0	0	0
0.999014	0.994158	0	0	0	0	0	0
0.004467	0.018862	0	0	0	0	0	0
0.990995	0.860861	0.03	0	0	0	0	0
0.997412	0.953897	0	0	0	0	0	0
0.921258	0.726872	0.07	0	0	0	0	0
0.992937	0.975614	0	0	0	0	0	0
0.048893	0.175591	0.05	0	0	0	0	0
0.997847	0.995151	0	0	0	0	0	0
0.989399	0.984363	0	0	0	0	0	0
0.987626	0.97817	0	0	0	0	0	0
0.979593	0.981709	0	0	0	0	0	0
0.011155	0.016356	0	0	0	0	0	0
0.019466	0.016761	0	0	0	0	0	0
0.997533	0.995262	0	0	0	0	0	0
0.009618	0.007796	0	0	0	0	0	0
0.989166	0.996029	0	0	0	0	0	0
0.995783	0.995335	0	0	0	0	0	0
0.997755	0.998173	0	0	0	0	0	0
0.992669	0.982416	0	0	0	0	0	0
0.993283	0.967371	0	0	0	0	0	0
0.007532	0.037134	0	0	0	0	0	0

0.989473	0.87013	0.02	0	0	0	0	0
0.811018	0.715138	0	0	0	0	0	0
0.956567	0.946817	0	0	0	0	0	0
0.992866	0.967405	0	0	0	0	0	0
0.995053	0.96639	0	0	0	0	0	0
0.993405	0.988587	0	0	0	0	0	0
0.934265	0.943803	0	0	0	0	0	0
0.945658	0.887745	0	0	0	0	0	0
0.940476	0.943865	0	0	0	0	0	0
0.93845	0.809737	0.01	0	0	0	0	0
0.019853	0.043342	0	0	0	0	0	0
0.967772	0.897402	0.02	0	0	0	0	0
0.997254	0.99625	0	0	0	0	0	0
0.440692	0.632438	0.05	0	0	0	0	0
0.602196	0.398346	0.01	0	0	0	0	0
0.010962	0.011629	0	0	0	0	0	0
0.439618	0.230483	0.1	0	0	0	0	0
0.567017	0.796707	0.1	0	0	0	0	0
0.99746	0.99297	0	0	0	0	0	0
0.997323	0.993486	0	0	0	0	0	0
0.016324	0.021428	0	0	0	0	0	0
0.998266	0.998308	0	0	0	0	0	0
0.998134	0.999267	0	0	0	0	0	0
0.073913	0.064125	0	0	0	0	0	0
0.985341	0.985803	0	0	0	0	0	0
0.997878	0.999258	0	0	0	0	0	0
0.973585	0.890395	0	0	0	0	0	0
0.764363	0.728512	0	0	0	0	0	0
0.891778	0.685734	0	0	0	0	0	0
0.995354	0.979556	0	0	0	0	0	0
0.994791	0.987694	0	0	0	0	0	0
0.979205	0.976806	0	0	0	0	0	0
0.996047	0.979166	0	0	0	0	0	0
0.032847	0.029422	0	0	0	0	0	0
0.071545	0.013505	0	0	0	0	0	0
0.023932	0.031009	0	0	0	0	0	0
0.050483	0.063909	0	0	0	0	0	0
0.996392	0.989375	0	0	0	0	0	0
0.995516	0.993353	0	0	0	0	0	0
0.096137	0.250164	0	0	0	0	0	0
0.989598	0.993242	0	0	0	0	0	0
0.001144	0.001154	0	0	0	0	0	0
0.887665	0.564141	0.25	0	0	0	0	0
0.029297	0.021306	0	0	0	0	0	0
0.991008	0.982634	0	0	0	0	0	0
0.999524	0.997064	0	0	0	0	0	0
0.998919	0.993013	0	0	0	0	0	0

0.99958	0.99889	0	0	0	0	0	0
0.609534	0.87406	0.18	0	0	0	0	0
0.956117	0.994002	0.02	0	0	0	0	0
0.996084	0.995296	0	0	0	0	0	0
0.997934	0.998549	0	0	5	0	0	0
0.004272	0.009907	0	1	0	0	0	0
0.996816	0.999075	0	0	0	0	0	0
0.010361	0.003503	0	0	0	0	0	0
0.015277	0.002446	0	0	0	0	0	0
0.993429	0.994765	0	0	0	0	0	0
0.946074	0.975703	0	0	0	0	0	0
0.018131	0.008276	0	0	0	0	0	0
0.993066	0.996206	0	0	0	0	0	0
0.979986	0.946578	0	0	0	0	0	0
0.943676	0.922408	0	0	0	0	0	0
0.998745	0.993022	0	0	0	0	0	0
0.999241	0.997504	0	0	0	0	0	0
0.999065	0.997779	0	0	0	0	0	0
0.996366	0.932297	0.03	0	0	0	0	0
0.003747	0.027965	0	0	0	0	0	0
0.003672	0.035861	0.03	0	0	0	0	0
0.002762	0.010875	0	0	0	0	0	0
0.081069	0.051915	0	0	0	0	0	0
0.6	0.329454	0	0	0	0	0	0
0.005018	0.00707	0	0	0	0	0	0
0.996543	0.999	0	0	0	0	0	0
0.021558	0.027118	0	0	0	0	0	0
0.981355	0.983276	0	0	0	0	0	0
0.975676	0.993606	0	0	0	0	0	0
0.089183	0.051946	0	0	0	0	0	0
0.991847	0.996818	0	0	0	0	0	0
0.991517	0.993101	0	0	0	0	0	0
0.993092	0.995199	0	0	0	0	0	0
0.991197	0.947338	0	0	0	0	0	0
0.991987	0.990822	0	0	0	0	0	0
0.998931	0.993896	0	0	0	0	0	0
0.997374	0.992022	0	0	0	0	0	0
0.93701	0.826051	0.05	6	0	0	0	0
0.077206	0.123769	0	0	0	0	0	0
0.023431	0.024742	0	0	0	0	0	0
0.952855	0.808166	0.01	0	0	0	0	0
0.999541	0.998971	0	0	0	12	4	1
0.976272	0.970393	0	0	0	0	0	0
0.986788	0.963913	0.01	0	0	4	0	0
0.813674	0.653031	0.08	0	2	5	6	0
0.996091	0.996272	0	0	0	0	0	0
0.013953	0.032469	0	0	0	0	0	0

0.264584	0.08831	0	0	0	0	0	0
0.022946	0.060366	0	0	0	0	0	0
0.986267	0.984287	0	0	0	4	0	0
0.978406	0.980783	0	0	0	0	0	0
0.974787	0.970979	0	0	0	0	0	0
0.989691	0.974001	0	0	0	0	0	0
0.964287	0.93218	0	0	0	0	0	0
0.99212	0.956473	0	0	0	0	0	0
0.983536	0.977135	0	0	0	0	0	0
0.978387	0.947886	0	0	0	0	0	0
0.024259	0.051938	0	0	0	0	0	0
0.084602	0.043674	0	0	0	0	0	0
0.0573	0.150092	0	10	0	0	0	0
0.042803	0.061808	0	0	0	0	0	0
0.029566	0.087001	0	0	0	0	0	0
0.963203	0.947141	0	0	0	0	0	0
0.861402	0.838902	0	10	0	0	0	0
0.316614	0.595345	0	0	0	0	0	0
0.842976	0.8032	0	10	0	0	0	0
0.988965	0.961185	0	0	0	0	0	0
0.064158	0.328069	0.08	0	0	0	0	0
0.98781	0.958133	0	0	0	0	0	0
0.966367	0.903726	0	0	0	0	0	0
0.975099	0.95403	0	0	0	0	0	0
0.991515	0.991326	0	0	0	0	0	0
0.909221	0.918979	0	0	0	0	0	0
0.012233	0.013232	0	0	0	0	0	0
0.663254	0.424681	0.09	0	0	0	0	0
0.722285	0.526374	0.05	0	0	0	0	0
0.767103	0.624348	0.04	0	0	0	0	0
0.807309	0.831447	0	0	0	0	0	0
0.037349	0.018058	0	0	0	0	0	0
0.975845	0.972455	0	0	0	0	0	0
0.991915	0.999153	0	0	0	0	0	0
0.975576	0.978187	0	0	0	0	0	0
0.993765	0.993084	0	0	0	0	0	0
0.951169	0.975073	0	0	0	0	0	0
0.997431	0.988457	0	0	0	0	0	0
0.990784	0.994441	0	0	0	0	0	0
0.996142	0.980841	0	0	0	0	0	0
0.944773	0.959141	0	0	0	0	0	0
0.102566	0.091903	0	0	0	0	0	0
0.940558	0.939748	0	0	0	0	0	0
0.94718	0.945968	0	0	0	0	0	0
0.987506	0.984691	0	0	0	0	0	0
0.991501	0.991547	0	0	0	0	0	0
0.984329	0.97441	0	0	0	0	0	0

0.942661	0.927587	0	0	0	0	0	0
0.981984	0.720479	0.18	0	0	0	0	0
0.989196	0.992979	0	0	0	0	0	0
0.99184	0.995301	0	0	0	0	0	0
0.983999	0.966414	0	0	0	0	0	0
0.986532	0.928413	0	0	0	0	0	0
0.985673	0.967241	0	0	0	0	0	0
0.861356	0.852576	0	0	0	0	0	0
0.019676	0.012182	0	0	0	0	0	0
0.947726	0.984562	0	0	0	0	0	0
0.995141	0.981896	0	0	4	0	0	0
0.997348	0.996169	0	0	0	0	0	0
0.643273	0.92233	0.21	0	1	0	0	0
0.980911	0.959172	0	0	0	0	0	0
0.980506	0.858897	0	0	0	0	0	0
0.976363	0.964258	0	0	0	0	0	0
0.962672	0.903829	0	0	0	0	0	0
0.039223	0.074084	0	0	0	0	0	0
0.987568	0.979333	0	0	0	0	0	0
0.02304	0.051109	0	0	0	0	0	0
0.987943	0.984233	0	0	0	0	0	0
0.986922	0.984738	0	0	0	0	0	0
0.025218	0.033683	0	0	0	0	0	0
0.026104	0.056175	0	0	0	0	0	0
0.262039	0.280263	0	0	0	0	0	0
0.019019	0.031869	0	0	0	0	0	0
0.983588	0.970822	0	0	0	0	0	0
0.029236	0.042784	0	0	0	0	0	0
0.967033	0.952759	0	0	0	0	0	0
0.970511	0.962845	0	0	0	0	0	0
0.921457	0.272111	0.3	0	0	0	0	0
0.993908	0.979106	0	0	0	0	0	0
0.996663	0.993337	0	0	0	0	0	0
0.993782	0.967596	0	0	0	0	0	0
0.994416	0.983603	0	0	0	0	0	0
0.989739	0.962618	0	0	0	0	0	0
0.994104	0.982665	0	0	0	0	0	0
0.048078	0.292476	0.06	0	0	0	0	0
0.978007	0.960891	0	0	0	0	0	0
0.980004	0.94797	0	0	0	0	0	0
0.986165	0.963143	0	0	0	0	0	0
0.973719	0.953498	0	0	0	0	0	0
0.97758	0.946384	0	0	0	0	0	0
0.940525	0.90217	0	0	0	0	0	0
0.954965	0.937833	0	0	0	0	0	0
0.990446	0.983735	0	0	0	0	0	0
0.988192	0.983712	0	0	0	0	0	0

0.982218	0.981548	0	0	0	0	0	0
0.034354	0.049295	0	0	0	0	0	0
0.025868	0.064367	0	0	0	0	0	0
0.026357	0.042055	0	0	0	0	0	0
0.019254	0.02754	0	0	0	0	0	0
0.984714	0.971783	0	0	0	0	0	0
0.986877	0.986811	0	0	0	0	0	0
0.983136	0.975187	0	0	0	0	0	0
0.983638	0.960928	0	0	0	0	0	0
0.987295	0.973652	0	0	0	0	0	0
0.987591	0.978282	0	0	0	0	0	0
0.98702	0.988042	0	0	0	0	0	0
0.985427	0.944329	0	0	0	0	0	0
0.023664	0.062791	0	0	0	0	0	0
0.981434	0.897422	0	0	0	0	0	0
0.999704	0.999162	0	0	0	0	0	0
0.99876	0.995432	0	0	0	0	0	0
0.103164	0.045849	0	0	0	0	0	0
0.996741	0.998453	0	0	0	0	0	0
0.996505	0.99546	0	0	0	0	0	0
0.997812	0.994906	0	0	0	0	0	0
0.997442	0.996615	0	0	0	0	0	0
0.975951	0.983678	0	0	0	0	0	0
0.981072	0.97381	0	0	0	0	0	0
0.980991	0.978258	0	0	0	0	0	0
0.978035	0.969342	0	0	0	0	0	0
0.0172	0.033592	0	0	0	0	0	0
0.993815	0.9925	0	0	0	0	0	0
0.016873	0.016059	0	0	0	0	0	0
0.986592	0.969905	0	0	0	0	0	0
0.972779	0.987672	0	0	0	0	0	0
0.993469	0.994213	0	0	0	0	0	0
0.988578	0.966175	0	0	0	0	0	0
0.041216	0.078248	0	0	0	0	0	0
0.96397	0.982087	0	0	0	0	0	0
0.997454	0.989154	0	0	0	0	0	0
0.997751	0.992549	0	0	0	0	0	0
0.997247	0.99159	0	0	0	0	0	0
0.993501	0.98983	0	0	0	0	0	0
0.997332	0.990935	0	0	0	0	0	0
0.947495	0.875171	0	0	0	0	0	0
0.99576	0.939626	0	0	0	0	0	0
0.988938	0.989776	0	0	0	0	0	0
0.983352	0.974661	0	0	5	5	0	0
0.034397	0.053115	0	0	0	0	0	0
0.806035	0.916812	0	0	0	0	0	0
0.966211	0.964918	0	0	0	0	0	0

0.964888	0.968914	0	0	0	0	0	0
0.765869	0.748462	0	0	0	0	0	0
0.987933	0.950928	0	0	0	0	0	0
0.983008	0.981547	0	0	0	0	0	0
0.985546	0.97708	0	0	0	0	0	0
0.987255	0.973431	0	0	0	0	0	0
0.94954	0.730858	0.02	0	0	0	0	0
0.973617	0.983922	0	0	0	0	0	0
0.968309	0.893723	0	0	0	0	0	0
0.072058	0.053258	0	0	0	0	0	0
0.993281	0.993055	0	0	0	0	0	0
0.993778	0.969862	0	0	0	0	0	0
0.993819	0.995799	0	0	0	0	0	0
0.994045	0.99538	0	0	0	0	0	0
0.995004	0.989113	0	0	0	0	0	0
0.98529	0.898022	0.04	0	0	0	0	0
0.951747	0.955001	0	0	0	0	0	0
0.012665	0.023021	0	0	0	0	0	0
0.99295	0.981896	0	0	0	0	0	0
0.016607	0.050566	0	0	0	0	0	0
0.993795	0.991584	0	0	0	0	0	0
0.992717	0.990865	0	0	0	0	0	0
0.992914	0.944709	0	0	0	0	0	0
0.993744	0.993198	0	0	0	0	0	0
0.982135	0.985701	0	0	0	0	0	0
0.995788	0.994722	0	0	0	0	0	0
0.077576	0.156871	0	0	0	0	0	0
0.994123	0.996956	0	0	0	0	0	0
0.984228	0.991606	0	0	0	0	0	0
0.020236	0.014136	0	0	0	0	0	0
0.969079	0.890674	0	0	0	0	0	0
0.991684	0.989389	0	0	0	0	0	0
0.980439	0.929995	0	0	0	0	0	0
0.982008	0.974883	0	0	0	0	0	0
0.397865	0.416757	0	0	0	0	0	0
0.079802	0.101333	0	0	0	0	0	0
0.029904	0.028389	0	0	0	0	0	0
0.977484	0.963535	0	0	0	0	0	0
0.98256	0.96255	0	0	0	0	0	0
0.980951	0.964294	0	0	0	0	0	0
0.98384	0.964626	0	0	0	0	0	0
0.909231	0.947527	0	0	0	0	0	0
0.989405	0.986617	0	0	0	0	0	0
0.989502	0.990025	0	0	0	0	0	0
0.979271	0.948516	0	0	0	0	1	1
0.993188	0.988571	0	0	0	0	0	0
0.959013	0.887993	0	0	0	0	0	0

0.936748	0.966114	0	0	0	0	0	0
0.033371	0.06475	0	0	0	0	0	0
0.997634	0.996887	0	0	0	0	0	0
0.00406	0.004259	0	0	0	0	0	0
0.997241	0.997926	0	0	0	0	0	0
0.994387	0.983941	0	0	0	0	0	0
0.994089	0.983615	0	0	0	0	0	0
0.994789	0.985808	0	0	0	0	0	0
0.989822	0.980692	0	0	0	0	0	0
0.219512	0.188152	0	0	0	0	0	0
0.98352	0.955568	0	0	0	0	0	0
0.992322	0.979792	0	0	0	0	0	0
0.289225	0.244299	0	0	0	0	0	0
0.986282	0.974051	0	0	0	0	0	0
0.089436	0.139556	0	0	0	0	0	0
0.017446	0.039312	0	0	0	0	0	0
0.993043	0.990195	0	0	0	0	0	0
0.991703	0.976584	0	0	0	0	0	0
0.990533	0.972157	0	0	0	0	0	0
0.328876	0.439344	0	0	0	0	0	0
0.986132	0.944671	0	0	0	0	0	0
0.992624	0.963371	0	0	0	0	0	0
0.992917	0.968209	0	0	0	0	0	0
0.981799	0.98429	0	0	0	0	0	0
0.987873	0.981014	0	0	0	0	0	0
0.973366	0.948754	0	0	0	0	0	0
0.854197	0.859732	0	0	0	0	0	0
0.946627	0.941917	0	0	0	0	0	0
0.907234	0.745774	0	0	0	0	0	0
0.991072	0.982751	0	0	0	0	0	0
0.992492	0.982528	0	0	0	0	0	0
0.986539	0.980141	0	0	0	0	0	0
0.986306	0.961152	0	0	0	0	0	0
0.990499	0.980938	0	0	0	0	0	0
0.989382	0.953354	0	0	0	0	0	0
0.990456	0.986576	0	0	0	0	0	0
0.992355	0.984709	0	0	0	0	0	0
0.993356	0.981385	0	0	0	0	0	0
0.957257	0.89777	0	0	0	0	0	0
0.992991	0.991302	0	0	0	0	0	0
0.987779	0.995882	0	0	0	0	0	0
0.989712	0.994599	0	0	0	0	0	0
0.995348	0.978918	0	0	0	0	0	0
0.985516	0.981624	0	0	0	0	0	0
0.346825	0.255704	0	0	0	0	0	0
0.196986	0.676838	0.3	0	0	0	0	0
0.989823	0.978457	0	0	0	0	0	0

0.607616	0.406723	0	0	0	0	0	0
0.845028	0.834414	0	0	0	0	0	0
0.061949	0.069845	0	0	0	0	0	0
0.098088	0.119705	0	0	0	0	0	0
0.995662	0.993852	0	0	0	0	0	0
0.335105	0.31985	0	0	0	0	0	0
0.997701	0.993516	0	0	0	0	0	0
0.679356	0.767121	0	0	0	0	0	0
0.968442	0.921338	0	0	0	0	0	0
0.69134	0.900233	0	0	0	0	0	0
0.992012	0.975118	0	0	0	0	0	0
0.997486	0.98818	0	0	0	0	0	0
0.998578	0.995215	0	0	0	0	0	0
0.943005	0.951418	0	0	0	0	0	0
0.065485	0.048406	0	0	0	0	0	0
0.01215	0.035683	0	0	0	0	0	0
0.89168	0.96176	0.04	0	0	0	0	0
0.788881	0.74041	0.01	0	0	6	0	0
0.854017	0.894632	0	0	0	0	0	0
0.947842	0.91167	0	0	0	0	0	0
0.941045	0.965249	0	0	0	0	0	0
0.947172	0.841787	0	0	0	0	0	0
0.943283	0.958967	0	0	0	0	0	0
0.998402	0.999293	0	0	0	0	0	0
0.997114	0.997933	0	0	0	0	0	0
0.02188	0.007259	0	0	0	0	0	0
0.002887	0.011285	0	0	0	0	0	0
0.996398	0.99488	0	0	0	0	0	0
0.995872	0.99235	0	0	0	0	0	0
0.998117	0.995262	0	0	0	0	0	0
0.002374	0.009428	0	0	0	0	0	0
0.001819	0.005566	0	0	0	0	0	0
0.999106	0.992129	0	0	0	0	0	0
0.985814	0.975821	0	0	0	0	0	0
0.994676	0.992098	0	0	0	0	0	0
0.995763	0.991621	0	0	0	0	0	0
0.996118	0.993347	0	0	0	0	0	0
0.993815	0.966258	0	0	0	0	0	0
0.988267	0.991683	0	0	0	0	0	0
0.99735	0.994643	0	0	0	0	0	0
0.997516	0.980165	0	0	0	0	0	0
0.001791	0.005902	0	0	0	0	0	0
0.00219	0.008044	0	0	0	0	0	0
0.999054	0.996908	0	0	0	0	0	0
0.981465	0.958588	0	0	0	0	0	0
0.999164	0.999183	0	0	0	0	0	0
0.996912	0.997892	0	0	0	0	0	0

0.995362	0.998905	0	0	0	0	0	0
0.999045	0.997788	0	0	0	0	0	0
0.99764	0.997993	0	0	0	0	0	0
0.987385	0.969088	0	0	0	0	0	0
0.063125	0.100378	0	0	0	0	0	0
0.986241	0.970157	0	0	0	0	0	0
0.989216	0.979477	0	0	0	0	0	0
0.799472	0.699797	0	0	0	0	0	0
0.81565	0.688238	0	0	0	0	0	0
0.106737	0.106345	0	0	0	0	0	0
0.984639	0.949758	0	3	0	0	0	0
0.989629	0.975912	0	0	5	0	0	0
0.988122	0.987901	0	0	0	0	0	0
0.992809	0.961908	0	0	0	0	0	0
0.9928	0.995517	0	0	0	0	0	0
0.039596	0.030366	0	0	0	0	0	0
0.946909	0.931322	0	0	0	0	0	0
0.717666	0.601078	0	0	5	5	0	0
0.058458	0.057673	0	0	0	0	0	0
0.990147	0.987321	0	0	0	0	0	0
0.012895	0.008239	0	0	0	0	0	0
0.992682	0.995163	0	0	0	0	0	0
0.995338	0.98754	0	0	0	0	0	0
0.008308	0.016476	0	0	0	0	0	0
0.98096	0.629352	0.21	0	0	0	0	0
0.987851	0.995654	0	0	0	0	0	0
0.995191	0.973797	0	0	0	0	0	0
0.997565	0.997911	0	0	0	0	0	0
0.005181	0.009523	0	0	0	0	0	0
0.99825	0.998502	0	0	0	0	0	0
0.266483	0.51994	0.17	0	0	0	0	0
0.97303	0.975862	0	0	0	0	0	0
0.961913	0.970958	0	0	0	0	0	0
0.973234	0.985144	0	0	0	0	0	0
0.028941	0.031632	0	0	0	0	0	0
0.931734	0.979286	0	0	0	0	0	0
0.947986	0.980062	0	0	0	0	0	0
0.981827	0.993144	0	0	0	0	0	0
0.989641	0.989756	0	0	0	0	0	0
0.993234	0.992143	0	0	0	0	0	0
0.015963	0.025098	0	0	0	0	0	0
0.980832	0.985137	0	0	0	0	0	0
0.973457	0.98382	0	0	0	0	0	0
0.974477	0.90417	0	0	0	0	0	0
0.028565	0.021111	0	0	0	0	0	0
0.976209	0.927437	0	0	0	0	0	0
0.951427	0.90867	0	0	0	0	0	0

0.993132	0.994009	0	0	0	0	0	0
0.989711	0.994237	0	0	0	0	0	0
0.993899	0.979926	0	0	0	0	0	0
0.333674	0.753448	0.19	0	0	0	0	0
0.86813	0.951944	0	0	0	0	0	0
0.991021	0.988418	0	0	0	0	0	0
0.994918	0.988715	0	0	0	0	0	0
0.883247	0.842704	0	0	0	0	0	0
0.834316	0.902474	0	0	0	0	0	0
0.989827	0.992209	0	0	0	0	0	0
0.990934	0.992661	0	0	0	0	0	0
0.999091	0.998069	0	0	0	0	0	0
0.005009	0.005165	0	0	0	0	0	0
0.002893	0.002628	0	0	0	0	0	0
0.985963	0.992499	0	0	0	0	0	0
0.008921	0.033082	0	0	0	0	0	0
0.993298	0.991062	0	0	0	0	0	0
0.980472	0.975509	0	0	0	0	0	0
0.916428	0.739747	0	0	0	0	0	0
0.009649	0.030804	0	0	0	0	0	4
0.003661	0.01101	0	0	0	0	0	0
0.993181	0.666619	0.22	0	0	0	0	0
0.998491	0.992572	0	0	0	0	0	0
0.115366	0.058402	0	0	0	0	2	2
0.911268	0.924215	0	0	0	8	0	0
0.545686	0.23822	0.03	0	0	0	0	0
0.981701	0.878502	0	0	0	0	0	0
0.992545	0.984712	0	0	0	0	0	0
0.995552	0.992415	0	0	0	0	0	0
0.987699	0.957956	0	0	0	0	0	0
0.987245	0.991927	0	0	0	0	0	0
0.991577	0.945302	0	0	0	0	0	0
0.851607	0.936086	0	0	0	0	0	0
0.79709	0.89971	0	0	0	0	0	0
0.685162	0.885083	0.07	0	0	0	0	0
0.988827	0.970523	0	0	0	0	0	0
0.992019	0.978441	0	0	0	0	0	0
0.991424	0.977466	0	0	0	0	0	0
0.993503	0.983499	0	0	0	0	0	0
0.010637	0.013966	0	0	0	0	0	0
0.013347	0.052261	0	0	0	0	0	0
0.59113	0.24679	0.05	0	0	0	0	0
0.968107	0.943981	0	0	0	0	0	0
0.988041	0.911063	0	0	0	0	0	0
0.601165	0.251386	0.09	0	0	0	0	0
0.016488	0.038702	0	0	0	0	0	0
0.993145	0.976811	0	0	0	0	0	0

0.982996	0.968509	0	0	0	0	0	0
0.988628	0.986166	0	0	0	0	0	0
0.991708	0.971683	0	0	0	0	0	0
0.095608	0.029875	0	0	0	0	0	0
0.987667	0.765775	0.13	0	0	0	0	0
0.992702	0.914751	0	0	0	0	0	0
0.996661	0.992944	0	0	0	0	0	0
0.998119	0.997725	0	0	0	0	0	0
0.998237	0.998272	0	0	0	0	0	0
0.011682	0.013447	0	0	0	0	0	0
0.951323	0.914793	0	0	0	0	0	0
0.526661	0.551177	0	0	0	0	0	0
0.023324	0.02208	0	0	0	0	0	0
0.987921	0.992939	0	0	0	0	0	0
0.976672	0.90728	0	0	0	0	0	0
0.971516	0.910809	0	0	0	0	0	0
0.985704	0.975929	0	0	0	0	0	0
0.978406	0.944778	0	0	0	0	0	0
0.988765	0.98613	0	0	0	0	0	0
0.974656	0.956628	0	0	0	0	0	0
0.216389	0.043801	0.04	0	0	0	0	0
0.978617	0.97589	0	0	0	0	0	0
0.940826	0.835655	0	0	0	0	0	0
0.030448	0.030317	0	0	0	0	0	0
0.995988	0.992955	0	0	0	0	0	0
0.995966	0.9956	0	0	0	0	0	0
0.994625	0.996992	0	0	0	0	0	0
0.998426	0.990146	0	0	0	0	0	0
0.937257	0.897551	0	0	0	0	0	0
0.99696	0.980088	0	0	0	0	0	0
0.998014	0.997611	0	0	0	0	0	0
0.996655	0.991673	0	0	0	0	0	0
0.534169	0.385134	0.04	0	0	0	0	0
0.997913	0.957281	0.01	0	0	0	0	0
0.037091	0.039128	0	0	0	0	0	0
0.987911	0.987677	0	0	0	0	0	0
0.966116	0.954674	0	0	0	0	0	0
0.988563	0.989754	0	0	0	0	0	0
0.983937	0.949314	0	0	0	0	0	0
0.995586	0.98126	0	0	0	0	0	0
0.996476	0.99178	0	0	0	0	0	0
0.008212	0.049828	0	0	0	0	0	0
0.93564	0.864046	0	0	0	0	0	0
0.995487	0.921904	0.02	0	0	0	0	0
0.995535	0.98937	0	0	0	0	0	0
0.993403	0.988178	0	0	0	0	0	0
0.056412	0.042504	0	0	0	0	0	0

0.994488	0.98726	0	0	0	0	0	0
0.995234	0.993917	0	0	0	0	0	0
0.998246	0.999524	0	0	0	0	0	0
0.992767	0.991526	0	0	0	0	0	0
0.99676	0.988782	0	0	0	0	0	0
0.990382	0.988107	0	0	0	0	0	0
0.121936	0.054547	0	0	0	0	0	0
0.971167	0.981735	0	0	0	0	0	0
0.92964	0.971804	0	0	0	0	0	0
0.936197	0.942985	0	0	0	0	0	0
0.990237	0.921503	0	0	0	0	0	0
0.941837	0.954692	0	0	0	0	0	0
0.949275	0.966617	0	0	0	0	0	0
0.994956	0.995513	0	0	0	0	0	0
0.991463	0.974311	0	0	0	0	0	0
0.991634	0.983783	0	0	0	0	0	0
0.987675	0.98186	0	0	0	0	0	0
0.653166	0.893972	0.07	0	0	0	0	0
0.991677	0.964915	0	0	0	0	0	0
0.993805	0.976281	0	0	0	0	0	0
0.657415	0.599547	0	0	0	0	0	0
0.990333	0.952245	0	0	0	0	0	0
0.997298	0.924447	0	0	0	0	4	4
0.944676	0.790124	0	0	0	0	0	0
0.952901	0.909922	0	0	0	0	0	0
0.942731	0.937952	0	0	0	0	0	0
0.996896	0.941981	0	2	0	0	0	0
0.997157	0.938306	0	2	0	0	0	0
0.981768	0.972853	0	0	0	0	0	0
0.994016	0.993615	0	0	0	0	0	0
0.995928	0.980179	0	0	0	0	0	0
0.994365	0.975023	0	0	0	0	0	0
0.153951	0.342115	0	0	0	0	0	0
0.987954	0.957069	0	3	0	0	0	0
0.991861	0.997026	0	0	0	0	0	0
0.999711	0.999539	0	0	0	0	0	0
0.998947	0.99864	0	3	0	2	5	0
0.999736	0.991936	0	0	0	0	0	0
0.999712	0.99979	0	0	0	0	0	0
0.005904	0.001167	0	0	0	0	0	0
0.941457	0.726866	0.14	0	0	8	0	0
0.996342	0.997718	0	0	0	0	0	0
0.807147	0.343417	0.4	0	4	14	10	10
0.996274	0.861911	0.07	0	4	0	0	0
0.997251	0.99187	0	0	0	0	0	0
0.986695	0.983855	0	0	0	0	0	0
0.769369	0.856004	0	0	0	0	0	0

0.281575	0.310001	0	0	0	0	0	0
0.993294	0.967158	0	0	0	0	0	0
0.924722	0.974788	0	0	0	0	0	0
0.982125	0.964955	0	0	0	0	0	0
0.632464	0.790381	0	0	0	0	0	0
0.669277	0.658389	0	0	0	0	0	0
0.985712	0.752707	0.05	0	0	0	0	0
0.991605	0.964605	0	0	0	0	0	0
0.989229	0.962193	0	0	0	0	0	0
0.987016	0.96325	0	0	0	0	0	0
0.988097	0.964872	0	0	0	0	0	0
0.043782	0.078758	0	0	0	0	0	0
0.078737	0.168016	0	0	0	0	0	0
0.981214	0.951495	0	0	0	0	0	0
0.993249	0.964568	0	0	0	0	0	0
0.990233	0.876172	0	0	0	0	0	0
0.978784	0.969694	0	0	0	0	0	0
0.974635	0.969105	0	0	0	0	0	0
0.980802	0.980698	0	0	0	0	0	0
0.961091	0.986993	0	0	0	0	0	0
0.937255	0.974204	0	0	0	0	0	0
0.951935	0.98449	0	0	0	0	0	0
0.912731	0.145202	0.5	0	0	0	0	0
0.016853	0.013764	0	0	0	0	0	0
0.994045	0.986006	0	0	0	0	0	0
0.93644	0.938567	0	0	0	0	0	0
0.952036	0.95252	0	0	0	0	0	0
0.960919	0.86063	0	0	0	0	0	0
0.598289	0.505897	0	0	0	0	0	0
0.98118	0.979384	0	0	0	0	0	0
0.982347	0.982318	0	0	0	0	0	0
0.99259	0.994741	0	0	0	0	0	0
0.030342	0.050763	0	0	0	0	0	0
0.968076	0.949819	0	0	0	0	0	0
0.97293	0.950116	0	0	0	0	0	0
0.999745	0.999413	0	0	0	0	0	0
0.999624	0.999808	0	0	0	0	0	0
0.001432	0.002375	0	0	0	0	0	0
0.996701	0.992822	0	0	0	0	0	0
0.998716	0.999254	0	0	0	0	0	0
0.999256	0.999508	0	0	0	0	7	7
0.995827	0.975284	0	0	0	0	0	0
0.018289	0.040123	0	0	0	0	0	0
0.993189	0.989953	0	0	0	0	0	0
0.037657	0.037189	0	0	0	0	0	0
0.976437	0.924303	0	0	0	0	0	0
0.965333	0.934174	0	0	0	0	0	0

0.996281	0.976059	0	0	0	0	0	0
0.998871	0.99779	0	0	0	0	0	0
0.999122	0.976087	0	0	0	0	0	0
0.008283	0.007296	0	0	0	0	0	0
0.982675	0.968642	0	0	0	0	0	0
0.983925	0.964909	0	0	0	0	0	0
0.995904	0.995929	0	0	0	0	0	0
0.996645	0.997676	0	0	0	0	0	0
0.999701	0.998861	0	0	0	0	0	0
0.957921	0.970401	0	0	0	0	0	0
0.960895	0.938638	0	0	0	0	0	0
0.955986	0.975884	0	0	0	0	0	0
0.959373	0.975908	0	0	0	0	0	0
0.95504	0.945694	0	0	0	0	0	0
0.95297	0.974488	0	0	0	0	0	0
0.999634	0.999439	0	0	0	0	0	0
0.754717	0.772028	0	0	0	0	0	0
0.145744	0.164927	0	0	0	0	0	0
0.080717	0.101547	0	0	0	0	0	0
0.981352	0.879725	0.01	0	0	0	0	0
0.9854	0.951746	0	0	0	0	0	0
0.997667	0.988791	0	0	0	0	0	0
0.994493	0.990729	0	0	0	0	2	9
0.996396	0.998527	0	0	0	9	0	0
0.790347	0.61459	0	6	0	0	0	0
0.624643	0.089507	0.3	0	0	1	4	0
0.645657	0.652463	0	0	0	5	11	11
0.699223	0.628518	0	0	0	2	14	7
0.996034	0.996626	0	0	0	0	11	6
0.998045	0.998995	0	0	0	0	1	1
0.991906	0.987039	0	1	0	12	0	0
0.009388	0.003191	0.01	0	0	0	3	0
0.965828	0.943563	0	0	3	1	0	0
0.039713	0.011271	0	0	0	0	0	0
0.921192	0.951403	0	4	0	0	0	0
0.905054	0.935533	0	0	0	0	3	0
0.917408	0.921834	0	0	0	0	0	0
0.824177	0.908904	0	0	0	0	0	0
0.246122	0.566626	0.11	0	0	0	0	0
0.983123	0.960229	0	0	0	0	0	0
0.983456	0.993407	0	0	0	0	0	0
0.98643	0.949454	0	0	0	0	0	0
0.994107	0.996548	0	0	0	0	0	0
0.013123	0.008745	0	0	0	0	0	0
0.96003	0.872949	0	0	0	0	0	0
0.940343	0.834011	0	0	0	0	0	0
0.955815	0.857311	0	0	0	0	0	0

0.884041	0.962519	0	0	0	0	0	0
0.997362	0.99129	0	0	0	0	0	0
0.99791	0.996331	0	0	0	0	0	0
0.998042	0.983529	0	0	0	0	0	0
0.986929	0.98169	0	0	0	0	0	0
0.964995	0.961479	0	0	0	0	0	0
0.002694	0.005175	0	0	0	0	0	0
0.997518	0.998097	0	0	0	0	0	0
0.001044	0.001947	0	0	0	0	0	0
0.012185	0.018153	0	0	0	0	0	0
0.891075	0.913457	0	0	0	0	0	0
0.983202	0.987894	0	0	0	0	0	0
0.99539	0.985854	0	0	0	0	0	0
0.007553	0.007241	0	0	0	0	0	0
0.980219	0.943339	0	0	0	0	0	0
0.995738	0.992366	0	0	0	0	0	0
0.994485	0.983544	0	0	0	0	0	0
0.977136	0.947834	0	0	0	0	0	0
0.036801	0.04648	0	0	0	0	0	0
0.985901	0.971646	0	0	0	0	0	0
0.988409	0.982883	0	0	0	0	0	0
0.987528	0.983438	0	0	0	0	0	0
0.046933	0.164038	0	0	0	0	0	0
0.975293	0.975989	0	0	0	0	0	0
0.016477	0.014169	0	0	0	0	0	0
0.995532	0.995855	0	0	0	0	0	0
0.991068	0.993625	0	0	0	0	0	0
0.963321	0.906895	0	0	0	0	0	0
0.006095	0.021974	0	0	0	0	0	0
0.018045	0.02755	0	0	0	0	0	0
0.994897	0.995032	0	0	0	0	0	0
0.99551	0.992465	0	0	0	0	0	0
0.937294	0.965061	0	0	0	0	0	0
0.99128	0.98295	0	0	0	0	0	0
0.826573	0.979629	0.06	0	0	0	0	0
0.846708	0.960814	0.06	0	0	0	0	0
0.006693	0.007566	0	0	0	0	0	0
0.99658	0.982264	0	0	0	0	0	0
0.997781	0.996719	0	0	0	0	0	0
0.991559	0.994921	0	0	0	0	0	0
0.887045	0.890155	0	0	0	0	0	0
0.996635	0.997972	0	0	0	0	0	0
0.988281	0.976659	0	0	0	0	0	0
0.994553	0.998314	0	0	0	0	0	0
0.994565	0.993608	0	0	0	0	0	0
0.989212	0.984107	0	0	0	0	0	0
0.979732	0.975485	0	0	0	0	0	0

0.961002	0.956935	0	0	0	0	0	0
0.994357	0.99709	0	0	0	0	0	0
0.987821	0.961865	0	0	0	0	0	0
0.699365	0.679511	0	0	0	0	0	0
0.979895	0.954328	0	0	0	0	0	0
0.98153	0.948733	0	0	0	0	0	0
0.98307	0.95236	0	0	0	0	0	0
0.990629	0.958681	0	0	0	0	0	0
0.899733	0.638109	0	0	0	0	0	0
0.693125	0.634657	0	0	0	0	0	0
0.544518	0.765618	0	0	0	0	0	0
0.979683	0.954664	0	0	0	0	0	0
0.980753	0.955057	0	0	0	0	0	0
0.978835	0.941123	0	0	0	0	0	0
0.981657	0.94578	0	0	0	0	0	0
0.983455	0.952506	0	0	0	0	0	0
0.972259	0.930266	0	0	0	0	0	0
0.89497	0.949373	0	0	0	0	0	0
0.991525	0.992728	0	0	0	0	0	0
0.989338	0.977609	0	0	0	0	0	0
0.994185	0.985302	0	0	0	0	0	0
0.993683	0.988643	0	0	0	0	0	0
0.007938	0.009232	0	0	0	0	0	0
0.668965	0.482445	0	0	0	0	0	0
0.987282	0.983888	0	0	0	0	0	0
0.992115	0.987339	0	0	0	0	0	0
0.991191	0.99492	0	0	0	0	0	0
0.976354	0.969159	0	0	0	0	0	0
0.821068	0.968801	0.03	0	0	0	0	0
0.969119	0.905938	0	0	0	0	0	0
0.978691	0.971991	0	0	0	0	0	0
0.997043	0.993624	0	0	0	0	0	0
0.821258	0.90992	0.01	0	0	0	0	0
0.968929	0.927676	0	0	0	0	0	0
0.498315	0.354085	0.05	0	0	0	0	0
0.378247	0.45312	0	0	0	0	0	0
0.99928	0.999611	0	0	0	0	0	0
0.002479	0.00112	0	0	0	0	0	0
0.998723	0.999616	0	0	0	0	0	0
0.994056	0.996577	0	0	0	0	0	0
0.010382	0.010699	0	0	0	0	0	0
0.994569	0.993779	0	0	0	0	0	0
0.994838	0.993825	0	0	0	0	0	0
0.987003	0.951172	0	0	0	0	0	0
0.009788	0.017244	0	0	0	0	0	0
0.983739	0.991519	0	0	0	0	0	0
0.010152	0.007733	0	0	0	0	0	0

0.996859	0.992606	0	0	0	0	0	0
0.987169	0.979664	0	0	0	0	0	0
0.912378	0.788856	0	0	0	5	0	0
0.803939	0.924119	0	0	0	0	0	0
0.992059	0.93013	0	0	0	0	0	0
0.988959	0.979555	0	0	0	0	0	0
0.992391	0.970243	0	0	0	0	0	0
0.99141	0.99547	0	0	0	0	0	0
0.995186	0.979294	0	0	0	0	0	0
0.862158	0.775892	0	0	0	0	0	0
0.966392	0.976783	0	0	0	0	0	0
0.095948	0.090634	0	0	0	0	0	0
0.967191	0.973959	0	0	0	0	0	0
0.936887	0.904925	0	0	0	0	0	0
0.961734	0.975797	0	0	0	0	0	0
0.996183	0.993913	0	0	0	0	0	0
0.945095	0.943166	0	0	0	0	0	0
0.995664	0.994331	0	0	0	0	0	0
0.995421	0.995186	0	0	0	0	0	0
0.008947	0.027326	0	0	0	0	0	0
0.997006	0.992122	0	0	0	0	0	0
0.997567	0.998699	0	0	0	0	0	0
0.997139	0.739251	0.16	0	0	0	0	0
0.94949	0.946464	0	0	0	0	0	0
0.845294	0.892006	0	0	0	0	0	0
0.970066	0.720232	0.01	0	0	0	0	0
0.985694	0.933806	0	0	0	0	0	0
0.892519	0.95023	0	0	0	0	0	0
0.983551	0.939754	0	0	0	0	0	0
0.025274	0.019646	0	0	0	0	0	0
0.035773	0.03575	0	0	0	0	0	0
0.01593	0.070467	0	0	0	0	0	0
0.995571	0.996905	0	0	0	0	0	0
0.989162	0.987043	0	0	0	0	0	0
0.994583	0.994541	0	0	0	0	0	0
0.994365	0.99582	0	0	0	0	0	0
0.995149	0.997267	0	0	0	0	0	0
0.994127	0.996948	0	0	0	0	0	0
0.993474	0.996791	0	0	0	0	0	0
0.995116	0.997625	0	0	0	0	0	0
0.955688	0.967908	0	0	0	0	0	0
0.979276	0.97786	0	0	0	0	0	0
0.981889	0.960585	0	0	0	0	0	0
0.9864	0.97553	0	0	0	0	0	0
0.974783	0.946218	0	0	0	0	0	0
0.984349	0.923793	0	0	0	0	0	0
0.979511	0.939125	0	0	0	0	0	0

0.979801	0.954552	0	0	0	0	0	0
0.972223	0.94936	0	0	0	0	0	0
0.988257	0.967465	0	0	0	0	0	0
0.836012	0.869585	0	0	0	0	0	0
0.981625	0.974922	0	0	0	0	0	0
0.984277	0.976368	0	0	0	0	0	0
0.994817	0.984735	0	0	0	0	0	0
0.762219	0.694992	0	0	0	0	0	0
0.009093	0.015668	0	0	0	0	0	0
0.955373	0.932945	0	0	0	0	0	0
0.037635	0.037094	0	0	0	0	0	0
0.982713	0.970013	0	0	0	0	0	0
0.975966	0.959366	0	0	0	0	0	0
0.997749	0.699674	0.26	0	0	0	0	0
0.994617	0.986286	0	0	0	0	0	0
0.995742	0.993612	0	0	0	0	0	0
0.009271	0.003884	0	0	0	0	0	0
0.006467	0.00382	0	0	0	0	0	0
0.99559	0.993139	0	0	0	0	0	0
0.988264	0.992831	0	0	0	0	0	0
0.996243	0.997089	0	0	0	0	0	0
0.994175	0.997807	0	0	0	0	0	0
0.977431	0.97423	0	0	0	0	0	0
0.998441	0.999117	0	0	0	0	0	0
0.998924	0.99919	0	0	0	0	0	0
0.999231	0.999028	0	0	0	0	0	0
0.999424	0.999277	0	0	0	0	0	0
0.995055	0.994175	0	0	0	0	0	0
0.995183	0.992819	0	0	0	0	0	0
0.991419	0.997022	0	0	0	0	0	0
0.991844	0.996498	0	0	0	0	0	0
0.983011	0.99644	0	0	0	0	0	0
0.993635	0.993661	0	0	0	0	0	0
0.012438	0.027032	0	0	0	0	0	0
0.422443	0.198748	0.04	0	0	0	0	0
0.990693	0.97437	0	0	0	0	0	0
0.991766	0.996387	0	0	0	0	0	0
0.006738	0.004516	0	0	0	0	0	0
0.995578	0.992348	0	0	0	0	0	0
0.997064	0.997752	0	0	0	0	0	0
0.997318	0.999467	0	0	0	0	0	0
0.01133	0.002755	0	0	0	0	0	0
0.994283	0.979013	0	0	0	0	0	0
0.994409	0.983507	0	0	0	0	0	0
0.997771	0.995818	0	0	0	0	0	0
0.007375	0.019046	0	0	0	0	0	0
0.003958	0.007327	0	0	0	0	0	0

0.99798	0.99329	0	0	0	0	0	0
0.997421	0.997037	0	0	0	0	0	0
0.967579	0.944664	0	0	0	0	0	0
0.978076	0.956489	0	0	0	0	0	0
0.982788	0.956625	0	0	0	0	0	0
0.975875	0.946693	0	0	0	0	0	0
0.999253	0.999799	0	0	0	0	0	0
0.009526	0.016995	0	0	0	0	0	0
0.992607	0.982638	0	0	0	0	0	0
0.971107	0.947951	0	0	0	0	0	0
0.997126	0.997523	0	0	0	0	0	0
0.905141	0.897236	0	0	0	0	0	0
0.988601	0.928422	0	0	0	0	0	0
0.08024	0.06036	0	0	0	0	0	0
0.984227	0.973303	0	0	0	0	0	0
0.997829	0.981357	0	0	0	0	0	0
0.95989	0.968149	0	0	0	0	0	0
0.972684	0.986179	0	0	0	0	0	0
0.978093	0.960121	0	0	0	0	0	0
0.997132	0.991672	0	0	0	0	0	0
0.998024	0.991428	0	0	0	0	0	0
0.973137	0.987739	0	0	0	0	0	0
0.978902	0.987881	0	0	0	0	0	0
0.125587	0.139519	0	0	0	0	0	0
0.977285	0.937948	0	0	0	0	0	0
0.15343	0.034797	0	0	0	0	0	0
0.041883	0.012356	0	0	0	0	0	0
0.938837	0.937997	0	0	0	0	0	0
0.895641	0.954095	0	0	0	0	0	0
0.004235	0.044072	0.01	0	0	0	0	0
0.999747	0.999581	0	0	0	0	0	0
0.999777	0.999593	0	0	0	0	0	0
0.999912	0.999852	0	0	0	0	0	0
0.999796	0.999062	0	0	0	0	0	0
0.996591	0.998708	0	0	0	0	0	0
0.009987	0.005061	0	0	0	0	0	0
0.997459	0.995567	0	0	0	0	0	0
0.013139	0.015292	0	0	2	0	0	0
0.997367	0.998778	0	0	0	0	0	0
0.872308	0.915116	0	0	0	0	0	0
0.99742	0.553388	0.37	0	0	0	0	0
0.246612	0.152613	0	0	0	0	0	0
0.965029	0.465955	0.33	0	0	0	0	0
0.004818	0.010996	0	0	0	0	0	0
0.07531	0.035676	0	0	0	0	0	0
0.940754	0.293703	0.47	0	0	0	0	0
0.987897	0.985896	0	0	0	0	0	0

0.963714	0.713118	0.06	0	0	0	0	0
0.985951	0.986419	0	0	0	0	0	0
0.979209	0.987025	0	0	0	0	0	0
0.01358	0.046825	0	0	0	0	0	0
0.992559	0.994783	0	0	0	0	0	0
0.997609	0.996885	0	0	0	0	0	0
0.004122	0.010308	0	0	0	0	0	0
0.997846	0.996288	0	0	0	0	0	0
0.995176	0.978248	0	0	0	0	0	0
0.980559	0.996581	0	0	0	0	0	0
0.960456	0.98982	0	0	0	0	0	0
0.017894	0.052852	0	0	0	0	0	0
0.988892	0.989773	0	0	0	0	0	0
0.008728	0.008073	0	0	0	0	0	0
0.994029	0.953756	0	0	0	0	0	0
0.991928	0.991273	0	0	0	0	0	0
0.14873	0.183341	0	0	0	0	0	0
0.950729	0.982439	0	0	0	0	0	0
0.978933	0.977043	0	0	0	0	0	0
0.119924	0.026977	0	0	0	0	0	0
0.968672	0.982506	0	0	0	0	0	0
0.963994	0.985432	0	0	0	0	0	0
0.999212	0.997425	0	0	0	0	0	0
0.999607	0.999319	0	0	0	0	0	0
0.950901	0.960646	0	0	0	0	0	0
0.956598	0.964526	0	0	0	0	0	0
0.957372	0.931335	0	0	0	0	0	0
0.05343	0.045856	0	0	0	0	0	0
0.971985	0.983161	0	0	0	0	0	0
0.043873	0.060712	0	0	0	0	0	0
0.986907	0.989482	0	0	0	0	0	0
0.981519	0.984076	0	0	0	0	0	0
0.982975	0.978288	0	0	0	0	0	0
0.9414	0.969124	0	0	0	0	0	0
0.998111	0.997279	0	0	0	0	0	0
0.062461	0.034732	0	0	0	7	0	0
0.985209	0.981173	0	0	0	0	0	0
0.993873	0.987602	0	0	0	0	0	0
0.967063	0.967416	0	0	0	0	0	0
0.982259	0.92157	0	0	0	0	0	0
0.996091	0.973202	0	0	0	0	0	0
0.991535	0.994845	0	0	0	0	0	0
0.994982	0.981815	0	0	0	0	0	0
0.992303	0.84863	0.07	0	0	0	6	0
0.916374	0.923482	0	0	0	0	0	0
0.867482	0.924818	0	0	0	0	0	0
0.132982	0.023734	0	0	0	0	0	0

0.883157	0.824369	0	0	0	0	0	0
0.033464	0.034148	0	0	0	0	0	0
0.994993	0.993592	0	0	0	0	0	0
0.973366	0.978852	0	0	0	0	0	0
0.327418	0.631627	0.08	0	0	0	0	0
0.996838	0.993786	0	0	0	0	0	0
0.999655	0.999824	0	0	0	0	0	0
0.991633	0.981125	0	0	0	0	0	0
0.051083	0.022262	0	0	0	0	0	0
0.012085	0.007118	0	0	0	0	0	0
0.983747	0.971376	0	0	0	0	0	0
0.940591	0.974993	0	0	0	0	0	0
0.032733	0.125836	0	0	0	0	0	0
0.272931	0.543036	0	0	0	0	0	0
0.765978	0.776993	0	0	0	0	0	0
0.987132	0.977832	0	0	0	0	0	0
0.996588	0.990934	0	0	0	0	0	0
0.994572	0.991708	0	0	0	0	0	0
0.96834	0.977999	0	0	0	0	0	0
0.986553	0.99342	0	0	0	0	0	0
0.989696	0.959336	0	0	0	0	0	0
0.990068	0.856845	0.07	0	0	0	0	0
0.996419	0.99621	0	0	0	0	0	0
0.983557	0.965511	0	0	0	0	0	0
0.993215	0.979161	0	0	1	0	0	0
0.99441	0.991729	0	0	0	0	0	0
0.022174	0.030241	0	0	0	0	0	0
0.994458	0.987638	0	0	0	0	0	0
0.986018	0.959811	0	0	0	0	0	0
0.045248	0.269824	0.09	0	0	0	0	0
0.983434	0.976672	0	0	0	0	0	0
0.994408	0.990057	0	0	0	0	0	0
0.968809	0.979238	0	0	0	0	0	0
0.042911	0.020267	0	0	0	0	0	0
0.012457	0.01703	0	0	0	0	0	0
0.982734	0.992598	0	0	0	0	0	0
0.213224	0.346199	0	0	0	0	0	0
0.01104	0.013313	0	0	0	0	0	0
0.014606	0.005943	0	0	0	0	0	0
0.996709	0.989679	0	0	0	0	0	0
0.978518	0.933608	0	0	0	0	0	0
0.992723	0.97561	0	0	0	0	0	0
0.994542	0.976726	0	0	0	0	0	0
0.987796	0.912704	0	0	0	0	0	0
0.015726	0.057341	0	0	0	0	0	0
0.844551	0.828409	0	0	0	0	0	0
0.976286	0.976874	0	0	0	0	0	0

0.9815	0.987712	0	0	0	0	0	0
0.770445	0.814187	0	0	0	0	0	0
0.976934	0.943039	0	0	0	0	0	0
0.993097	0.97656	0	0	0	0	0	0
0.023591	0.013225	0	0	0	0	0	0
0.996651	0.980681	0	0	0	0	0	0
0.994835	0.994153	0	0	0	0	0	0
0.97595	0.992621	0	0	0	0	0	0
0.399046	0.326488	0	0	0	0	0	0
0.104529	0.446579	0.05	0	0	0	0	0
0.966499	0.593772	0.23	0	0	6	0	0
0.99512	0.815714	0.02	0	0	6	0	7
0.944636	0.943848	0	0	0	0	0	0
0.975583	0.939415	0	0	0	0	0	0
0.992675	0.983902	0	0	1	0	0	0
0.987612	0.986108	0	0	0	0	0	0
0.988197	0.895221	0	0	0	0	0	0
0.963646	0.900768	0	0	0	0	0	0
0.181807	0.103972	0	0	0	0	0	0
0.724768	0.725115	0	0	0	0	0	0
0.924123	0.571217	0.01	0	0	0	0	0
0.984267	0.943931	0	0	0	0	0	0
0.024839	0.163019	0	0	0	0	0	0
0.713023	0.501288	0.03	0	0	0	0	0
0.025218	0.078153	0	0	0	0	0	0
0.017947	0.023171	0	0	0	0	0	0
0.991621	0.991192	0	0	0	0	0	0
0.992344	0.992467	0	0	0	0	0	0
0.703099	0.800892	0	0	0	0	0	0
0.661656	0.710576	0	0	0	0	0	0
0.858772	0.770421	0	0	0	0	0	0
0.983274	0.986087	0	0	0	0	0	0
0.928504	0.933618	0	0	0	0	0	0
0.925559	0.962928	0	0	0	0	0	0
0.917631	0.967833	0	0	0	0	0	0
0.93807	0.970901	0	0	0	0	0	0
0.973957	0.734818	0.11	0	0	0	0	0
0.379003	0.138402	0.06	0	0	0	0	0
0.985144	0.920419	0	0	0	0	0	0
0.933245	0.898689	0	0	0	0	0	0
0.910065	0.67539	0.04	0	0	0	0	0
0.980562	0.967436	0	0	0	0	0	0
0.981558	0.988494	0	0	0	0	0	0
0.671952	0.525057	0	0	0	0	0	0
0.955928	0.952063	0	0	0	0	0	0
0.977655	0.966338	0	0	0	0	0	0
0.971668	0.972358	0	0	0	0	0	0

0.954936	0.946946	0	0	0	0	0	0
0.96844	0.956316	0	0	0	0	0	0
0.046496	0.067154	0	0	0	0	0	0
0.983825	0.985199	0	0	0	0	0	0
0.960292	0.92796	0	0	5	5	0	0
0.959051	0.950702	0	0	0	0	0	0
0.958289	0.951275	0	0	0	0	0	0
0.933242	0.956721	0	0	0	0	0	0
0.952146	0.964885	0	0	0	0	0	0
0.989446	0.96956	0	0	0	0	0	0
0.99154	0.983496	0	0	0	0	0	0
0.993146	0.988805	0	0	0	0	0	0
0.994025	0.984929	0	0	0	0	0	0
0.992609	0.968894	0	0	0	0	0	0
0.98777	0.983415	0	0	0	0	0	0
0.939441	0.982859	0	0	0	0	0	0
0.993921	0.993941	0	0	0	0	0	0
0.911295	0.978091	0	0	0	0	0	0
0.992351	0.988781	0	0	0	0	0	0
0.993028	0.990303	0	0	0	0	0	0
0.995235	0.993044	0	0	0	0	0	0
0.992656	0.990172	0	0	0	0	0	0
0.989622	0.986025	0	0	0	0	0	0
0.96812	0.993577	0	0	0	0	0	0
0.092376	0.478881	0.26	0	0	0	0	0
0.992818	0.993734	0	0	0	0	5	5
0.986459	0.989209	0	0	0	0	0	0
0.150358	0.031688	0.01	0	0	0	0	0
0.046104	0.0439	0	0	0	0	0	0
0.989664	0.989392	0	0	0	0	0	0
0.977941	0.988596	0	0	0	0	0	0
0.989797	0.996977	0	0	0	0	0	0
0.981328	0.987627	0	0	0	0	0	0
0.987092	0.991851	0	0	0	0	0	0
0.976627	0.984532	0	0	0	0	0	0
0.987723	0.986685	0	0	0	0	0	0
0.986852	0.981864	0	0	0	0	0	0
0.989484	0.992915	0	0	0	0	0	0
0.980644	0.990163	0	0	1	0	0	0
0.989178	0.994296	0	0	0	0	0	0
0.98766	0.992718	0	0	0	0	0	0
0.945251	0.971908	0	0	0	0	0	0
0.994955	0.986034	0	0	0	0	0	0
0.029123	0.045548	0	0	0	0	0	0
0.040136	0.098329	0	0	0	0	0	0
0.99641	0.996426	0	0	0	0	0	0
0.382543	0.05187	0.23	0	0	0	0	0

0.009605	0.022689	0	0	0	0	0	0
0.007417	0.013399	0	0	0	0	0	0
0.997742	0.993544	0	0	0	0	0	0
0.985913	0.975628	0	0	0	0	0	0
0.020717	0.04743	0	0	0	0	0	0
0.009977	0.028309	0	0	0	0	0	0
0.996873	0.998035	0	0	0	0	0	0
0.996347	0.998243	0	0	0	0	0	0
0.988867	0.990955	0	0	0	0	0	0
0.988972	0.991984	0	0	0	0	0	0
0.9943	0.977644	0	0	0	0	0	0
0.993715	0.89051	0	0	0	0	0	0
0.958574	0.965093	0	0	0	0	0	0
0.9918	0.985821	0	0	0	0	0	0
0.96253	0.911531	0	0	0	0	0	0
0.988205	0.985748	0	0	0	0	0	0
0.991147	0.990658	0	0	0	0	0	0
0.997695	0.99474	0	0	0	0	0	0
0.998125	0.991946	0	0	0	0	0	0
0.991039	0.941856	0	0	0	0	0	0
0.00875	0.011433	0	0	0	0	0	0
0.365523	0.118223	0.11	0	0	0	0	0
0.087631	0.182748	0	0	0	0	0	0
0.492601	0.044313	0.37	0	0	0	0	5
0.683629	0.218621	0.36	0	0	0	0	0
0.994954	0.581377	0.32	0	0	0	3	3
0.986767	0.958135	0	0	0	0	12	12
0.046046	0.075306	0	0	4	0	4	4
0.984274	0.97465	0	5	26	10	0	0
0.564245	0.694479	0	4	4	4	0	0
0.429737	0.558987	0	0	4	4	0	0
0.628582	0.357485	0.04	0	3	14	16	7
0.967653	0.969914	0	0	4	11	10	7
0.019486	0.04976	0	0	0	0	0	0
0.994743	0.975471	0	0	0	0	0	0
0.93769	0.937988	0	0	0	0	0	0
0.936873	0.957463	0	0	0	0	0	0
0.947303	0.940388	0	0	0	0	0	0
0.949964	0.943462	0	0	0	0	0	0
0.989247	0.990756	0	0	0	0	0	0
0.002934	0.003204	0	0	0	0	0	0
0.962493	0.700305	0.21	0	0	0	0	0
0.988076	0.977799	0	0	0	0	0	0
0.986743	0.976247	0	0	0	0	0	0
0.988317	0.982938	0	0	0	0	0	0
0.030324	0.059499	0	0	0	0	0	0
0.022766	0.082396	0	0	0	0	0	0

0.968612	0.926805	0	0	0	0	0	0
0.986688	0.900839	0.01	0	0	0	0	0
0.936858	0.734595	0.09	0	0	0	0	0
0.79948	0.858885	0	0	0	0	0	0
0.982001	0.978606	0	0	0	0	0	0
0.971612	0.974488	0	0	0	0	0	0
0.961319	0.962681	0	0	0	0	0	0
0.936551	0.932572	0	0	0	0	0	0
0.847757	0.792313	0	0	0	0	0	0
0.956294	0.97783	0	0	0	0	0	0
0.886953	0.825387	0	0	0	0	0	0
0.90285	0.848327	0	0	0	0	0	0
0.962565	0.930517	0	0	0	0	0	0
0.939131	0.939302	0	0	0	0	0	0
0.976951	0.977111	0	0	0	0	0	0
0.99832	0.994205	0	0	0	0	0	0
0.218032	0.045754	0	0	0	0	0	0
0.998646	0.996886	0	0	0	0	0	0
0.936602	0.968911	0	0	0	0	0	0
0.994121	0.984529	0	0	0	0	0	0
0.995842	0.983927	0	0	0	0	0	0
0.996654	0.98794	0	0	0	0	0	0
0.995634	0.985997	0	0	0	0	0	0
0.971991	0.90216	0.01	0	0	0	0	0
0.995731	0.994018	0	0	0	0	0	0
0.857948	0.957155	0.06	0	0	0	0	0
0.902518	0.948714	0	0	0	0	0	0
0.974825	0.967229	0	0	0	0	0	0
0.93058	0.939468	0	0	0	0	0	0
0.96514	0.971191	0	0	0	0	0	0
0.984203	0.948304	0	0	0	0	0	0
0.987694	0.972692	0	0	0	0	0	0
0.802404	0.825846	0	0	0	0	0	0
0.990412	0.993817	0	0	0	0	0	0
0.992473	0.992454	0	0	0	0	0	0
0.990752	0.993266	0	0	0	0	0	0
0.962998	0.973176	0	0	0	0	0	0
0.9511	0.98285	0	0	0	0	0	0
0.989775	0.975499	0	0	0	0	0	0
0.995311	0.984716	0	0	0	0	0	0
0.995532	0.982687	0	0	0	0	0	0
0.032847	0.104603	0	0	0	0	0	0
0.997555	0.980277	0	0	0	0	0	0
0.9964	0.992102	0	0	0	0	0	0
0.996634	0.995574	0	0	0	0	0	0
0.99118	0.974184	0	0	0	0	0	0
0.995939	0.983535	0	0	0	0	0	0

0.989157	0.935258	0	0	0	0	0	0
0.993654	0.979462	0	0	0	0	0	0
0.997045	0.996726	0	0	0	0	0	0
0.995765	0.995702	0	0	0	0	0	0
0.995857	0.994673	0	0	0	0	0	0
0.995387	0.994327	0	0	0	0	0	0
0.993725	0.99554	0	0	0	0	0	0
0.995662	0.9161	0.03	0	0	0	0	0
0.994746	0.98721	0	0	0	0	0	0
0.996724	0.995381	0	0	0	0	0	0
0.996305	0.796705	0.12	0	0	0	0	0
0.014358	0.102743	0.01	0	0	0	0	0
0.986071	0.992414	0	0	0	0	0	0
0.010766	0.008721	0	0	0	0	0	0
0.015101	0.02285	0	0	0	0	0	0
0.995013	0.913154	0.03	0	0	0	0	0
0.995224	0.991885	0	0	0	0	0	0
0.840595	0.631306	0.02	0	0	0	0	0
0.120723	0.091303	0	0	0	0	0	0
0.992405	0.979422	0	0	0	0	0	0
0.987823	0.995121	0	0	0	0	0	0
0.992572	0.992483	0	0	0	0	0	0
0.974942	0.976748	0	0	0	0	0	0
0.993202	0.989543	0	0	0	0	0	0
0.990974	0.982023	0	0	0	0	0	0
0.986145	0.982899	0	0	0	0	0	0
0.988105	0.99685	0	0	0	0	0	0
0.976223	0.996661	0	0	0	0	0	0
0.028805	0.016086	0	0	0	0	0	0
0.984908	0.861268	0.06	0	0	0	0	0
0.986102	0.917742	0	0	0	0	0	0
0.987816	0.978934	0	0	0	0	0	0
0.990631	0.994998	0	0	0	0	0	0
0.99211	0.995355	0	0	0	0	0	0
0.994032	0.921701	0.01	0	0	0	0	0
0.991291	0.962141	0	0	0	0	0	0
0.027608	0.105102	0	0	0	0	0	0
0.986328	0.964113	0	0	0	0	0	0
0.038559	0.045847	0	0	0	0	0	0
0.040478	0.105343	0	0	0	0	0	0
0.988921	0.965669	0	0	0	0	0	0
0.986762	0.964058	0	0	0	0	0	0
0.975171	0.954778	0	0	0	0	0	0
0.98832	0.908622	0	0	0	0	0	0
0.986672	0.933361	0	0	0	0	0	0
0.987043	0.935582	0	0	0	0	0	0
0.986745	0.97032	0	0	0	0	0	0

0.984509	0.944278	0	0	0	0	0	0
0.989874	0.985578	0	0	0	0	0	0
0.987256	0.96958	0	0	0	0	0	0
0.988797	0.91379	0	0	0	0	0	0
0.990476	0.962839	0	0	0	0	0	0
0.984918	0.956874	0	0	0	0	0	0
0.983142	0.90379	0	0	0	0	0	0
0.002276	0.017173	0	0	0	0	0	0
0.99555	0.996094	0	0	0	0	1	1
0.06595	0.118794	0	3	0	0	0	0
0.246437	0.124886	0.13	0	0	0	0	0
0.03483	0.01654	0	0	0	0	0	0
0.994669	0.992339	0	0	0	0	0	0
0.993631	0.986246	0	0	0	0	0	0
0.99582	0.992742	0	0	0	0	0	0
0.994875	0.954475	0	0	0	0	0	0
0.951458	0.939171	0	0	0	0	0	0
0.926418	0.947794	0	0	0	0	0	0
0.037144	0.017785	0	0	0	0	0	0
0.052485	0.023063	0	0	0	0	0	0
0.923267	0.917056	0	0	0	0	0	0
0.974504	0.965314	0	0	0	0	0	0
0.99265	0.913962	0.01	0	0	0	0	0
0.986293	0.986662	0	0	0	0	0	0
0.99176	0.976624	0	0	0	0	0	0
0.993561	0.934031	0	0	0	0	0	0
0.992011	0.984718	0	0	0	0	0	0
0.992353	0.952945	0	0	0	0	0	0
0.040544	0.066746	0	0	0	0	0	0
0.972779	0.950695	0	0	0	0	0	0
0.995019	0.996138	0	0	0	0	0	0
0.99422	0.993561	0	0	0	0	0	0
0.979027	0.994221	0	0	0	0	0	0
0.98888	0.995938	0	0	0	0	0	0
0.990186	0.997057	0	0	0	0	0	0
0.993275	0.997847	0	0	0	0	0	0
0.93352	0.946371	0	0	0	0	0	0
0.980555	0.94676	0	0	0	0	0	0
0.059056	0.041681	0	0	0	0	0	0
0.974571	0.944494	0	0	0	0	0	0
0.947863	0.973291	0	0	0	0	0	0
0.106126	0.094564	0	0	0	0	0	0
0.951629	0.962329	0	0	0	0	0	0
0.974049	0.976149	0	0	0	0	0	0
0.97484	0.984818	0	0	0	0	0	0
0.034641	0.01523	0	0	0	0	0	0
0.974795	0.986433	0	0	0	0	0	0

0.877289	0.72755	0	0	0	0	0	0
0.938653	0.979473	0	0	0	0	0	0
0.976152	0.983569	0	0	0	0	0	0
0.99439	0.978413	0	0	0	0	0	0
0.993602	0.980198	0	0	0	0	0	0
0.009437	0.05238	0	0	0	0	0	0
0.939711	0.967022	0	0	0	0	0	0
0.037724	0.383887	0.12	0	0	0	0	0
0.996603	0.970777	0	0	0	0	0	0
0.977557	0.749051	0.11	0	0	0	0	0
0.996816	0.981595	0	5	0	0	0	0
0.013806	0.016584	0	0	0	0	0	0
0.942087	0.511625	0.24	0	0	0	0	0
0.996932	0.78769	0.08	0	0	0	0	0
0.996039	0.994432	0	0	0	0	0	0
0.010552	0.007214	0	0	0	0	0	0
0.995734	0.994548	0	0	0	0	0	0
0.995769	0.996757	0	0	0	0	0	0
0.9799	0.91763	0	0	0	0	0	0
0.994251	0.982614	0	0	0	0	0	0
0.996409	0.996865	0	0	0	0	0	0
0.983842	0.952032	0	0	0	0	0	0
0.996941	0.992053	0	0	0	0	0	0
0.996776	0.995636	0	0	0	0	0	0
0.996385	0.993723	0	0	0	0	0	0
0.997044	0.997114	0	0	0	0	0	0
0.936536	0.934683	0	0	0	0	0	0
0.1302	0.067144	0	0	0	0	0	0
0.85641	0.805136	0	0	0	0	0	0
0.013327	0.018783	0	0	0	0	0	0
0.992988	0.978092	0	0	0	0	0	0
0.053974	0.100728	0	0	0	0	0	0
0.943262	0.949039	0	0	0	0	0	0
0.947134	0.858887	0	0	0	0	0	0
0.937479	0.983321	0	0	0	0	0	0
0.97792	0.941322	0	0	0	0	0	0
0.962659	0.933334	0	0	0	0	0	0
0.977613	0.953261	0	0	0	0	0	0
0.975586	0.975465	0	0	0	0	0	0
0.068867	0.073293	0	0	0	0	0	0
0.978452	0.985596	0	0	0	0	0	0
0.916738	0.970121	0	0	0	0	0	0
0.960167	0.837826	0	0	0	0	0	0
0.955181	0.950068	0	0	0	0	0	0
0.894184	0.939366	0	0	0	0	0	0
0.959246	0.951367	0	0	0	0	0	0
0.969562	0.962237	0	0	0	0	0	0

0.987807	0.852061	0.03	0	0	0	0	0
0.985273	0.931529	0	0	0	0	0	0
0.024242	0.174115	0	0	0	0	0	0
0.984042	0.966388	0	0	0	0	0	0
0.988814	0.973242	0	0	0	0	0	0
0.973441	0.959369	0	0	0	0	0	0
0.930627	0.968377	0	0	0	0	0	0
0.983567	0.950112	0	0	0	0	0	0
0.986527	0.906251	0	0	0	0	0	0
0.991639	0.973418	0	0	0	0	0	0
0.020893	0.036103	0	0	0	0	0	0
0.991139	0.982633	0	0	0	0	0	0
0.981404	0.97297	0	0	0	0	0	0
0.995315	0.996932	0	0	0	0	0	0
0.996325	0.997603	0	0	0	0	0	0
0.00882	0.012248	0	0	0	0	0	0
0.996678	0.997032	0	0	0	0	0	0
0.981067	0.99427	0	0	0	0	0	0
0.996032	0.990455	0	0	0	0	0	0
0.977804	0.966448	0	0	0	0	0	0
0.988845	0.987945	0	0	0	0	0	0
0.031197	0.042664	0	0	0	0	0	0
0.98853	0.993559	0	0	0	0	0	0
0.082302	0.025484	0	0	0	0	0	0
0.98858	0.992668	0	0	0	0	0	0
0.719064	0.948198	0.07	0	0	0	0	0
0.95261	0.952615	0	0	0	0	0	0
0.944993	0.872238	0	0	0	0	0	0
0.952669	0.94873	0	0	0	0	0	0
0.944874	0.961678	0	0	0	0	0	0
0.950131	0.973919	0	0	0	0	0	0
0.948144	0.953719	0	0	0	0	0	0
0.934851	0.888671	0	0	0	0	0	0
0.046952	0.061549	0	0	0	0	0	0
0.997384	0.988875	0	0	0	0	0	0
0.993645	0.969304	0	0	0	0	0	0
0.01584	0.052732	0	0	0	0	0	0
0.016527	0.047168	0	0	0	0	0	0
0.967262	0.93546	0	0	0	0	0	0
0.993157	0.984548	0	0	0	0	0	0
0.990152	0.990198	0	0	0	0	0	0
0.992922	0.96625	0	0	0	0	0	0
0.9915	0.972412	0	0	0	0	0	0
0.990735	0.979277	0	0	0	0	0	0
0.972906	0.959574	0	0	0	0	0	0
0.078033	0.203732	0	0	0	0	0	0
0.977973	0.966447	0	0	0	0	0	0

0.185835	0.095731	0	0	0	0	0	0
0.975543	0.953679	0	0	0	0	0	0
0.969716	0.898457	0	0	0	0	0	0
0.985691	0.9704	0	0	0	0	0	0
0.956406	0.945424	0	0	0	0	0	0
0.949148	0.962688	0	0	0	0	0	0
0.942854	0.939907	0	0	0	0	0	0
0.965541	0.982066	0	0	0	0	0	0
0.958074	0.949117	0	0	0	0	0	0
0.96971	0.988646	0	0	0	0	0	0
0.109402	0.022051	0	0	0	0	0	0
0.042209	0.030753	0	0	0	0	0	0
0.614235	0.682153	0	0	0	0	0	0
0.976038	0.98161	0	0	0	0	0	0
0.369475	0.171651	0	0	0	0	0	0
0.808502	0.902233	0	0	0	0	0	0
0.948381	0.955016	0	0	0	0	0	0
0.624439	0.935487	0.01	0	0	0	0	0
0.971027	0.986715	0	0	0	0	0	0
0.999272	0.996017	0	0	0	0	0	0
0.004942	0.007716	0	0	0	0	0	0
0.969265	0.981713	0	0	0	0	0	0
0.790273	0.921387	0	0	0	0	0	0
0.924787	0.947494	0	0	0	0	0	0
0.143892	0.179515	0	0	0	0	0	0
0.890483	0.961832	0	0	0	0	0	0
0.951457	0.889029	0	0	0	0	0	0
0.942949	0.915088	0	0	0	0	0	0
0.949115	0.812881	0	0	0	0	0	0
0.937775	0.948478	0	0	0	0	0	0
0.030114	0.019007	0	0	0	0	0	0
0.957087	0.965165	0	0	0	0	0	0
0.037366	0.058956	0	0	0	0	0	0
0.976699	0.95903	0	0	0	0	0	0
0.978767	0.97902	0	0	0	0	0	0
0.972732	0.98135	0	0	0	0	0	0
0.936777	0.863764	0	0	0	0	0	0
0.895303	0.866279	0	0	0	0	0	0
0.044366	0.02561	0	0	0	0	0	0
0.006216	0.005318	0	0	0	0	0	0
0.995605	0.949641	0.01	0	0	0	0	0
0.042192	0.026154	0	0	0	0	0	0
0.988488	0.990501	0	0	0	0	0	0
0.041678	0.019698	0	0	0	0	0	0
0.987524	0.974494	0	0	0	0	0	0
0.003942	0.03643	0	0	0	0	0	0
0.012214	0.042505	0	0	0	0	0	0

0.996614	0.985716	0	0	0	0	0	0
0.996776	0.989747	0	0	0	0	0	0
0.997596	0.986079	0	0	0	0	0	0
0.988958	0.976278	0	0	0	0	0	0
0.988644	0.953971	0	0	0	0	0	0
0.036254	0.066309	0	0	0	0	0	0
0.514487	0.370455	0	0	0	0	0	0
0.952889	0.944865	0	0	0	0	0	0
0.067012	0.018657	0	0	0	0	0	0
0.982442	0.995866	0	0	0	0	0	0
0.031239	0.007494	0	0	0	0	0	0
0.948294	0.955469	0	0	0	0	0	0
0.721823	0.897867	0.04	0	0	0	0	0
0.995392	0.999043	0	0	0	0	0	0
0.994952	0.987675	0	0	0	0	0	0
0.996361	0.993927	0	0	0	0	0	0
0.045729	0.084095	0	0	0	0	0	0
0.066329	0.076381	0	0	0	0	0	0
0.876012	0.334717	0.06	0	0	0	0	0
0.963725	0.598622	0.13	0	0	0	0	0
0.006228	0.011696	0	0	0	0	0	0
0.99441	0.991866	0	0	0	0	0	0
0.959496	0.99495	0.01	0	0	0	0	0
0.00576	0.009239	0	0	0	0	0	0
0.399819	0.546851	0.01	0	0	0	0	0
0.991897	0.980515	0	0	0	0	0	0
0.991389	0.989552	0	0	0	0	0	0
0.992864	0.985694	0	0	0	0	0	0
0.945533	0.935306	0	0	0	0	0	0
0.946712	0.975947	0	0	0	0	0	0
0.994079	0.986007	0	0	0	0	0	0
0.997197	0.995662	0	0	0	0	0	0
0.997447	0.991389	0	0	0	0	0	0
0.218409	0.309188	0	0	0	0	0	0
0.998005	0.994373	0	0	0	0	0	0
0.989853	0.971579	0	0	0	0	0	0
0.947651	0.897052	0	0	0	0	0	0
0.98859	0.982617	0	0	0	0	0	0
0.994708	0.987047	0	0	0	0	0	0
0.019143	0.048254	0	0	0	0	0	0
0.993252	0.993111	0	0	0	0	0	0
0.993562	0.994105	0	0	0	0	0	0
0.990641	0.96628	0	0	0	0	0	0
0.991165	0.990042	0	0	0	0	0	0
0.077041	0.005751	0	0	0	0	0	0
0.995901	0.997605	0	0	0	0	0	0
0.99608	0.975447	0	0	0	0	0	0

0.956966	0.964494	0	0	0	0	0	0
0.990965	0.993751	0	0	0	0	0	0
0.151725	0.21648	0	0	0	0	0	0
0.98101	0.733641	0.11	0	0	0	0	0
0.997228	0.963791	0	0	0	0	0	0
0.99725	0.997301	0	0	0	0	0	0
0.998118	0.997124	0	0	0	0	0	0
0.996717	0.977928	0	0	0	0	0	0
0.997097	0.9952	0	0	0	0	0	0
0.995983	0.99344	0	0	0	0	0	0
0.99511	0.990971	0	0	0	0	0	0
0.997845	0.996402	0	0	0	0	0	0
0.997872	0.996426	0	0	0	0	0	0
0.38093	0.728478	0.27	0	0	0	0	0
0.991577	0.974354	0	0	0	0	0	0
0.993101	0.978965	0	0	0	0	0	0
0.988807	0.979642	0	0	0	0	0	0
0.93248	0.907356	0	0	0	0	0	0
0.940497	0.911697	0	0	0	0	0	0
0.989494	0.963528	0	0	0	0	0	0
0.98858	0.947727	0	0	0	0	0	0
0.642008	0.489986	0	0	0	0	0	0
0.987377	0.955188	0	0	0	0	0	0
0.982799	0.972028	0	0	0	0	0	0
0.992251	0.979803	0	0	0	0	0	0
0.95352	0.974809	0	0	0	0	0	0
0.902946	0.914561	0	0	0	0	0	0
0.122147	0.803421	0.45	0	0	0	0	0
0.066026	0.488385	0.19	0	0	0	0	0
0.896338	0.899412	0	0	0	0	0	0
0.9428	0.95344	0	0	0	0	0	0
0.966849	0.81404	0	0	0	0	0	0
0.997768	0.975421	0	0	0	0	0	0
0.034568	0.011747	0	0	0	0	0	0
0.007368	0.026184	0	0	0	0	0	0
0.997679	0.995855	0	0	0	0	0	0
0.001444	0.003001	0	0	0	0	0	0
0.98665	0.950764	0	0	0	0	0	0
0.99937	0.994011	0	0	0	0	0	0
0.136474	0.269777	0	0	0	0	0	0
0.001572	0.001202	0	0	7	0	0	0
0.01269	0.142979	0.14	10	30	34	16	2
0.995503	0.940872	0.04	4	14	22	14	11
0.931475	0.956827	0	0	0	0	0	0
0.936751	0.818837	0	0	0	0	0	0
0.946987	0.971972	0	0	0	0	0	0
0.952963	0.940105	0	0	0	0	0	0

0.936931	0.966166	0	0	0	0	0	0
0.032253	0.092041	0	0	0	0	0	0
0.994123	0.996845	0	0	0	0	0	0
0.996262	0.997099	0	0	0	0	0	0
0.969355	0.986657	0	0	0	0	0	0
0.98799	0.997669	0	0	0	0	0	0
0.010401	0.01326	0	0	0	0	0	0
0.994912	0.997837	0	0	0	0	0	0
0.991062	0.991746	0	5	0	0	0	0
0.823492	0.745526	0	0	0	0	0	0
0.990585	0.989021	0	3	0	0	0	5
0.985619	0.982839	0	0	0	0	0	0
0.983903	0.976073	0	0	0	0	0	0
0.98325	0.976298	0	0	0	0	0	0
0.988414	0.994355	0	0	0	0	0	0
0.90846	0.924377	0	0	0	0	0	0
0.99177	0.983971	0	0	0	0	0	0
0.93794	0.970916	0	0	0	0	0	0
0.912076	0.903285	0	0	0	0	0	0
0.902158	0.959599	0	0	0	0	0	0
0.950135	0.95494	0	0	0	0	0	0
0.98605	0.98436	0	0	0	0	0	0
0.242364	0.155953	0	0	0	0	0	0
0.999039	0.997598	0	0	5	0	0	0
0.008556	0.012466	0	0	21	0	0	0
0.99912	0.988777	0	0	0	0	0	0
0.923284	0.939617	0	0	0	0	0	0
0.996128	0.997387	0	0	0	0	0	0
0.008461	0.012989	0	0	0	0	0	0
0.998609	0.998063	0	0	0	0	0	0
0.007422	0.016473	0	0	0	0	0	0
0.617601	0.593687	0	0	0	0	0	0
0.934529	0.93278	0	0	0	0	0	0
0.945147	0.941999	0	0	0	0	0	0
0.768676	0.568334	0.12	0	0	0	0	0
0.972857	0.903094	0.07	0	0	0	0	0
0.99333	0.857063	0.1	0	0	0	0	0
0.004179	0.007063	0	0	0	0	0	0
0.016967	0.02645	0	0	0	0	0	0
0.989428	0.990377	0	0	0	0	0	0
0.976409	0.96505	0	0	0	0	0	0
0.985178	0.979826	0	0	0	0	0	0
0.006838	0.003012	0	0	0	0	0	0
0.003601	0.002749	0	0	0	0	0	0
0.980799	0.953894	0	0	0	0	0	0
0.999372	0.996961	0	0	0	0	0	0
0.97694	0.939469	0	0	0	0	0	0

0.975994	0.948661	0	0	0	0	0	0
0.973925	0.99592	0	0	0	0	0	0
0.824696	0.646366	0	0	0	0	0	0
0.817248	0.834199	0	0	0	0	0	0
0.985925	0.994414	0	0	0	0	0	0
0.837273	0.800506	0	0	0	0	0	0
0.98449	0.930286	0	0	0	0	0	0
0.679866	0.734029	0	0	0	0	0	0
0.982039	0.993334	0	0	0	0	0	0
0.982311	0.990227	0	0	0	0	0	0
0.04875	0.007577	0	0	0	0	0	0
0.985316	0.99117	0	0	0	0	0	0
0.97528	0.945497	0	0	0	0	0	0
0.985308	0.988371	0	0	0	0	0	0
0.965393	0.986073	0	0	0	0	0	0
0.199821	0.047726	0	0	0	0	0	0
0.154573	0.057464	0	0	0	0	0	0
0.044856	0.040776	0	0	0	0	0	0
0.982305	0.994011	0	0	0	0	0	0
0.961487	0.940321	0	0	0	0	0	0
0.965889	0.946317	0	0	0	0	0	0
0.996736	0.967474	0	0	0	0	0	0
0.988884	0.985065	0	0	0	0	0	0
0.994415	0.984773	0	0	0	0	0	0
0.995133	0.997214	0	0	0	0	0	0
0.936061	0.835497	0	0	0	0	0	0
0.968531	0.956434	0	0	0	0	0	0
0.976568	0.937985	0	0	0	0	0	0
0.979741	0.956988	0	0	0	0	0	0
0.965652	0.96174	0	0	0	0	0	0
0.991086	0.991116	0	0	0	0	0	0
0.947689	0.990279	0	0	0	0	0	0
0.008975	0.007034	0	0	0	0	0	0
0.994584	0.936287	0.01	0	0	0	0	0
0.948183	0.945356	0	0	0	0	0	0
0.969532	0.962022	0	0	0	0	0	0
0.475907	0.316157	0	0	0	0	0	0
0.961412	0.952806	0	0	0	0	0	0
0.947198	0.967518	0	0	0	0	0	0
0.988147	0.957818	0	0	0	0	0	0
0.986765	0.970672	0	0	0	0	0	0
0.991769	0.989044	0	0	0	0	0	0
0.98662	0.958587	0	0	0	0	0	0
0.985904	0.957503	0	0	0	0	0	0
0.985663	0.950163	0	0	0	0	0	0
0.974341	0.952444	0	0	0	0	0	0
0.988823	0.983963	0	0	0	0	0	0

0.013153	0.032713	0	0	0	0	0	0
0.055749	0.107963	0	0	0	0	0	0
0.060165	0.105771	0	0	0	0	0	0
0.981588	0.962242	0	0	0	0	0	0
0.992925	0.926149	0	0	0	0	0	0
0.948339	0.895528	0	0	0	0	0	0
0.032303	0.364436	0.17	0	0	0	0	0
0.994319	0.994446	0	0	0	0	0	0
0.991183	0.992255	0	0	0	0	0	0
0.989824	0.990129	0	0	0	0	0	0
0.993919	0.993447	0	0	0	0	0	0
0.994514	0.986048	0	0	0	0	0	0
0.985143	0.983151	0	0	0	0	0	0
0.992536	0.927397	0	0	0	0	0	0
0.991344	0.943839	0	0	0	0	0	0
0.97085	0.961642	0	0	0	0	0	0
0.989968	0.962653	0	0	0	0	0	0
0.99184	0.974398	0	0	0	0	0	0
0.990858	0.979152	0	0	0	0	0	0
0.994144	0.988991	0	0	0	0	0	0
0.991839	0.893814	0	0	0	0	0	0
0.990771	0.963615	0	0	0	0	0	0
0.11732	0.118481	0	0	0	0	0	0
0.016699	0.041229	0	0	0	0	0	0
0.996696	0.991871	0	0	0	0	0	0
0.996285	0.991605	0	0	0	0	0	0
0.995553	0.97561	0	0	0	0	0	0
0.980619	0.984073	0	0	0	0	0	0
0.984364	0.993143	0	0	0	0	0	0
0.985192	0.961715	0	0	0	0	0	0
0.961162	0.925103	0	0	0	0	0	0
0.936637	0.904456	0	0	0	0	0	0
0.970955	0.988761	0	0	0	0	0	0
0.959225	0.949987	0	0	0	0	0	0
0.964567	0.980738	0	0	0	0	0	0
0.988377	0.977937	0	0	0	0	0	0
0.978888	0.97396	0	0	0	0	0	0
0.98043	0.984701	0	0	0	0	0	0
0.983645	0.984514	0	0	0	0	0	0
0.977385	0.978562	0	0	0	0	0	0
0.972225	0.971821	0	0	0	0	0	0
0.967546	0.966015	0	0	0	0	0	0
0.021518	0.01252	0	0	0	0	0	0
0.960071	0.798755	0.02	0	0	0	0	0
0.856966	0.649768	0	0	0	0	0	0
0.930874	0.849864	0	0	0	0	0	0
0.980399	0.971474	0	0	0	0	0	0

0.950268	0.885965	0	0	0	0	0	0
0.995868	0.995481	0	0	0	0	0	0
0.997294	0.99119	0	0	0	0	0	0
0.931842	0.958223	0	0	0	0	0	0
0.997207	0.989407	0	0	0	0	0	0
0.995823	0.979466	0	4	0	0	0	0
0.996161	0.980983	0	0	0	0	0	0
0.997006	0.976194	0	0	0	0	0	0
0.996417	0.985525	0	0	0	0	0	0
0.012454	0.02185	0	0	0	0	0	0
0.81535	0.692928	0	0	0	0	0	0
0.839698	0.832561	0	0	0	0	0	0
0.004823	0.020139	0	4	0	0	0	0
0.904746	0.972591	0	0	0	0	0	0
0.995233	0.995271	0	0	0	0	0	0
0.997117	0.9847	0	0	0	6	3	3
0.971125	0.867566	0.03	0	0	0	0	0
0.991076	0.993347	0	0	0	0	0	0
0.997466	0.998709	0	0	0	0	0	0
0.994785	0.970079	0	0	0	0	0	0
0.938713	0.965555	0	0	0	0	0	0
0.958077	0.980186	0	0	0	0	0	0
0.991995	0.987029	0	0	0	0	0	0
0.993011	0.991496	0	0	0	0	0	0
0.010216	0.008027	0	0	0	0	0	0
0.011996	0.018832	0	0	0	0	0	0
0.997427	0.987214	0	0	0	0	0	0
0.861558	0.87779	0	0	0	0	0	0
0.955741	0.968742	0	0	0	0	0	0
0.284172	0.194935	0	0	0	0	0	0
0.74357	0.859812	0	0	0	0	0	0
0.855155	0.79881	0	0	0	0	0	0
0.846049	0.861031	0	0	0	0	0	0
0.934653	0.918994	0	0	0	0	0	0
0.937129	0.925101	0	0	0	0	0	0
0.900027	0.877664	0	0	0	0	0	0
0.904297	0.830867	0	0	0	0	0	0
0.014616	0.03843	0	0	0	0	0	0
0.87566	0.93862	0	0	0	0	0	0
0.993469	0.989578	0	0	0	0	0	0
0.995161	0.985408	0	0	0	0	0	0
0.98443	0.937287	0	0	0	0	0	0
0.531836	0.212111	0.02	0	0	0	0	0
0.233175	0.049921	0.06	0	0	0	0	0
0.082054	0.112948	0	0	3	0	0	0
0.188396	0.37144	0	0	3	0	0	0
0.037202	0.114127	0	0	3	0	0	0

0.531859	0.468302	0	0	3	0	0	0
0.981467	0.904564	0	0	3	0	0	0
0.973914	0.965928	0	0	0	0	0	0
0.981815	0.988659	0	0	0	0	0	0
0.874093	0.710988	0	0	0	0	0	0
0.010663	0.027466	0	0	0	0	0	0
0.13077	0.220771	0	0	0	0	0	0
0.194373	0.128782	0	0	0	18	5	5
0.857101	0.655989	0.07	0	0	3	0	0
0.628481	0.346506	0.07	5	0	5	0	0
0.375271	0.29846	0	5	0	2	0	0
0.06543	0.112669	0	5	0	21	0	0
0.145286	0.554028	0.23	5	0	16	0	0
0.967002	0.987767	0	0	0	0	0	0
0.995549	0.86818	0.05	0	0	6	0	0
0.988632	0.996757	0	0	0	0	0	0
0.984386	0.996371	0	0	0	0	0	0
0.98577	0.981328	0	0	0	0	0	0
0.983784	0.995067	0	0	0	0	0	0
0.036157	0.132314	0.04	0	0	0	0	0
0.964573	0.942997	0	0	0	0	0	0
0.042516	0.069709	0	0	0	0	0	0
0.982052	0.960762	0	0	0	0	0	0
0.988103	0.958702	0	0	0	0	0	0
0.988989	0.979615	0	0	0	0	0	0
0.986454	0.985845	0	0	0	0	0	0
0.978178	0.957241	0	0	0	0	0	0
0.975504	0.950151	0	0	0	0	0	0
0.972919	0.961698	0	0	0	0	0	0
0.055998	0.203331	0	0	0	0	0	0
0.9834	0.979886	0	0	0	0	0	0
0.055968	0.060286	0	0	0	0	0	0
0.977389	0.940733	0	0	0	0	0	0
0.049497	0.035515	0	0	0	0	0	0
0.967213	0.937489	0	0	0	0	0	0
0.04017	0.055191	0	0	0	0	0	0
0.98469	0.988601	0	0	0	0	0	0
0.988529	0.977296	0	0	0	0	0	0
0.95489	0.934658	0	0	0	0	0	0
0.982179	0.959787	0	0	0	0	0	0
0.974793	0.936397	0	0	0	0	0	0
0.941942	0.64027	0.19	0	0	0	0	0
0.992821	0.928669	0.01	0	0	0	0	0
0.010655	0.009869	0	0	0	0	0	0
0.023465	0.01653	0	0	0	0	5	0
0.036518	0.035298	0	0	0	0	0	0
0.991249	0.988657	0	0	0	0	0	0

0.988004	0.991735	0	0	0	0	0	0
0.989571	0.845499	0.05	0	0	0	0	0
0.968343	0.769783	0.05	0	0	0	0	0
0.99622	0.946695	0.01	0	0	0	0	0
0.993232	0.975348	0	0	0	0	0	0
0.998495	0.982885	0	0	0	0	0	0
0.998443	0.998056	0	0	0	0	0	0
0.670398	0.73979	0	0	0	0	0	0
0.998533	0.982879	0	0	0	0	0	0
0.956913	0.96461	0	0	0	0	0	0
0.94286	0.94408	0	0	0	0	0	0
0.785685	0.867298	0	0	0	0	0	0
0.926739	0.876268	0	0	0	0	0	0
0.959934	0.866937	0	0	0	0	0	0
0.940591	0.896127	0	0	0	0	0	0
0.996505	0.983797	0	0	0	0	0	0
0.003159	0.002833	0	0	0	0	0	0
0.998838	0.996655	0	0	0	0	0	0
0.998739	0.993699	0	0	0	0	0	0
0.998755	0.998922	0	0	0	0	0	0
0.839681	0.565149	0.28	0	0	0	0	1
0.998751	0.993812	0	0	0	0	0	0
0.980425	0.986257	0	0	0	0	0	0
0.975346	0.968282	0	0	0	0	0	0
0.007391	0.012339	0	0	0	0	0	0
0.998537	0.982241	0	0	0	0	0	0
0.978745	0.885346	0.03	0	0	0	0	0
0.999281	0.971693	0	0	0	0	0	0
0.997652	0.994671	0	0	0	0	0	0
0.006344	0.027284	0	0	0	0	0	0
0.007974	0.013633	0	0	0	0	0	0
0.88441	0.8727	0	0	0	0	0	0
0.982197	0.990901	0	0	0	0	0	0
0.977826	0.97137	0	0	0	0	0	0
0.974578	0.971159	0	0	0	0	0	0
0.904185	0.915859	0	0	0	0	0	0
0.99756	0.991142	0	0	0	0	0	0
0.998	0.974984	0	0	0	0	0	0
0.942894	0.984018	0	0	0	0	0	0
0.968253	0.995305	0	0	0	0	0	0
0.946101	0.963679	0	0	0	0	0	0
0.945186	0.947163	0	0	0	0	0	0
0.94032	0.961046	0	0	0	0	0	0
0.943999	0.961352	0	0	0	0	0	0
0.963242	0.953905	0	0	0	0	0	0
0.015622	0.016879	0	1	0	0	0	0
0.998473	0.996175	0	0	0	0	0	0

0.995788	0.990974	0	0	0	0	0	0
0.002489	0.00474	0	0	0	0	0	0
0.99049	0.939001	0	0	0	0	0	0
0.019079	0.101084	0	0	0	0	0	0
0.993525	0.970518	0	0	0	0	0	0
0.994115	0.985453	0	0	0	0	0	0
0.98666	0.987371	0	0	0	0	0	0
0.988643	0.984798	0	0	0	0	0	0
0.013993	0.061208	0	0	0	0	0	0
0.994843	0.982637	0	0	0	0	0	0
0.993604	0.982129	0	0	0	0	0	0
0.87505	0.902177	0	0	0	0	0	0
0.009424	0.006704	0	0	0	0	0	0
0.994972	0.997197	0	0	0	0	0	0
0.996233	0.998138	0	0	0	0	0	0
0.004329	0.003414	0	0	0	0	0	0
0.040483	0.032017	0	0	0	0	0	0
0.989032	0.94321	0	0	0	0	0	0
0.98612	0.995083	0	0	0	0	0	0
0.994374	0.977754	0	0	0	0	0	0
0.995707	0.992136	0	0	0	0	0	0
0.976047	0.95906	0	0	0	0	0	0
0.981289	0.966488	0	0	0	0	0	0
0.995361	0.987155	0	0	0	0	0	0
0.976249	0.982946	0	0	0	0	0	0
0.972131	0.931888	0	0	0	0	0	0
0.98996	0.972013	0	0	0	0	0	0
0.98536	0.982179	0	0	0	0	0	0
0.990082	0.970362	0	0	0	0	0	0
0.976614	0.955397	0	0	0	0	0	0
0.021086	0.043963	0	0	0	0	0	0
0.990748	0.966948	0	0	0	0	0	0
0.991916	0.935591	0	0	0	0	0	0
0.988472	0.973386	0	0	0	0	0	0
0.982652	0.517698	0.27	0	0	0	0	0
0.991339	0.95904	0	0	0	0	0	0
0.993346	0.982809	0	0	0	0	0	0
0.97624	0.937588	0	0	0	0	0	0
0.971329	0.935886	0	0	0	0	0	0
0.995726	0.96301	0	0	0	0	0	0
0.995552	0.972625	0	0	0	0	0	0
0.996251	0.969381	0	0	0	0	0	0
0.996259	0.985639	0	0	0	0	0	0
0.99621	0.985462	0	0	0	0	0	0
0.996294	0.959036	0	0	0	0	0	0
0.996085	0.954996	0	0	0	0	0	0
0.989508	0.980582	0	0	0	0	0	0

0.990824	0.956906	0	0	0	0	0	0
0.99525	0.931929	0	0	0	0	0	0
0.984049	0.944383	0	0	0	0	0	0
0.996844	0.993436	0	0	0	0	0	0
0.997963	0.990818	0	0	0	0	0	0
0.997277	0.99643	0	0	0	0	0	0
0.998753	0.997946	0	0	0	0	0	0
0.997953	0.996806	0	0	0	0	0	0
0.995604	0.997511	0	0	0	0	0	0
0.945574	0.895685	0	0	0	0	0	0
0.996341	0.979136	0	0	0	0	0	0
0.997	0.986219	0	0	0	0	0	0
0.995504	0.970629	0	0	0	0	0	0
0.990275	0.97689	0	0	0	0	0	0
0.996338	0.995115	0	0	0	0	0	0
0.998281	0.994758	0	0	0	0	0	0
0.996607	0.977951	0	0	0	0	0	0
0.995073	0.98479	0	0	0	0	0	0
0.990037	0.957271	0	0	0	0	0	0
0.989734	0.936813	0	0	0	0	0	0
0.990119	0.949023	0	0	0	0	0	0
0.067975	0.108003	0	0	0	0	0	0
0.997137	0.988583	0	0	0	0	0	0
0.010037	0.027508	0	1	0	0	0	0
0.029602	0.032111	0	0	0	0	0	0
0.923638	0.948204	0	0	0	0	0	0
0.920038	0.946919	0	0	0	0	0	0
0.983285	0.872169	0	0	0	0	0	1
0.82186	0.715715	0	0	0	0	0	0
0.981837	0.966307	0	0	0	0	0	1
0.421716	0.219879	0	0	0	0	0	0
0.019886	0.004546	0	0	0	0	0	0
0.996893	0.996294	0	0	0	0	0	0
0.99811	0.998357	0	0	0	0	0	0
0.99379	0.996212	0	0	0	0	0	0
0.016046	0.009534	0	0	0	0	0	0
0.988891	0.995444	0	0	0	0	0	0
0.9898	0.976939	0	0	0	0	0	0
0.992988	0.960474	0	0	0	0	0	0
0.999159	0.987119	0.01	0	0	0	0	0
0.999278	0.999344	0	0	0	0	0	0
0.333407	0.333953	0	0	0	0	0	0
0.001032	0.002331	0	0	0	0	0	0
0.000944	0.0006	0	0	0	0	0	0
0.002431	0.00326	0	0	0	0	0	0
0.998419	0.999389	0	0	0	0	0	0
0.936219	0.939704	0	0	0	0	0	0

0.954197	0.943034	0	0	0	0	0	0
0.963529	0.944181	0	0	0	0	0	0
0.962255	0.868226	0	0	0	0	0	0
0.962282	0.957103	0	0	0	0	0	0
0.956132	0.933218	0	0	0	0	0	0
0.966616	0.979451	0	0	0	0	0	0
0.959574	0.987016	0	0	0	0	0	0
0.963195	0.951159	0	0	0	0	0	0
0.955118	0.96195	0	0	0	0	0	0
0.942389	0.940372	0	0	0	0	0	0
0.963491	0.836681	0	0	0	0	0	0
0.903518	0.821847	0	0	0	0	0	0
0.970553	0.889196	0	0	0	0	0	0
0.994759	0.987301	0	0	0	0	0	0
0.992019	0.996211	0	0	0	0	0	0
0.931214	0.939622	0	0	0	0	0	0
0.988728	0.966632	0	0	0	0	0	0
0.98854	0.967487	0	0	0	0	0	0
0.993066	0.980878	0	0	0	0	0	0
0.989585	0.969283	0	0	0	0	0	0
0.990846	0.97938	0	0	0	0	0	0
0.994198	0.987712	0	0	0	0	0	0
0.032166	0.17223	0.02	0	0	0	0	0
0.983007	0.996575	0	0	0	0	0	0
0.987159	0.996643	0	0	0	0	0	0
0.969898	0.986659	0	0	0	0	0	0
0.994759	0.977099	0	0	0	0	0	0
0.994681	0.984384	0	0	0	0	0	0
0.994704	0.995502	0	0	0	0	0	0
0.978299	0.840437	0.09	0	0	0	0	0
0.990974	0.965985	0	0	0	0	0	0
0.976575	0.99114	0	0	0	0	0	0
0.004629	0.031997	0	0	0	0	0	0
0.003493	0.021187	0.01	0	0	0	0	0
0.999566	0.998539	0	0	0	0	0	0
0.999799	0.996838	0	0	0	0	0	0
0.95417	0.93401	0	0	0	0	0	0
0.978352	0.976452	0	0	0	0	0	0
0.65706	0.576531	0	0	0	0	0	0
0.376445	0.458245	0	0	0	0	0	0
0.982633	0.993222	0	0	0	0	0	0
0.986508	0.993089	0	0	0	0	0	0
0.975413	0.97729	0	0	0	0	0	0
0.987627	0.870337	0	0	0	0	0	0
0.990623	0.930535	0	0	0	0	0	0
0.011051	0.030531	0	0	0	0	0	0
0.992321	0.989239	0	0	0	0	0	0

0.759893	0.888756	0	0	0	0	0	0
0.993596	0.97455	0	0	0	0	0	0
0.894836	0.928508	0	0	0	0	0	0
0.995963	0.972605	0	0	0	0	0	0
0.9951	0.968515	0	0	0	0	0	0
0.972235	0.933592	0	0	0	0	0	0
0.978448	0.933038	0	0	0	0	0	0
0.011298	0.02584	0	0	0	0	0	0
0.995098	0.994602	0	0	0	0	0	0
0.998443	0.99888	0	0	0	0	0	0
0.998533	0.998981	0	0	0	0	0	0
0.998013	0.99917	0	0	0	0	0	0
0.99554	0.995011	0	0	0	0	0	0
0.980096	0.714635	0.22	0	0	0	0	0
0.994667	0.995015	0	0	0	0	0	0
0.973123	0.949299	0	0	0	0	0	0
0.991155	0.992152	0	0	0	0	0	0
0.989267	0.98848	0	0	0	0	0	0
0.992482	0.990403	0	0	0	0	0	0
0.989109	0.982036	0	0	0	0	0	0
0.992996	0.980118	0	0	0	0	0	0
0.972499	0.963746	0	0	0	0	0	0
0.967367	0.969698	0	0	0	0	0	0
0.03013	0.037548	0	0	0	0	0	0
0.973959	0.97884	0	0	0	0	0	0
0.97214	0.974029	0	0	0	0	0	0
0.980525	0.977494	0	0	0	0	0	0
0.987744	0.977795	0	0	0	0	0	0
0.964402	0.953044	0	0	0	0	0	0
0.979726	0.980016	0	0	0	0	0	0
0.95042	0.964882	0	0	0	0	0	0
0.946722	0.970891	0	0	0	0	0	0
0.024835	0.039322	0	0	0	0	0	0
0.974038	0.943292	0	0	0	0	0	0
0.054659	0.034946	0	0	0	0	0	0
0.024654	0.033264	0	0	0	0	0	0
0.944301	0.984624	0	0	0	0	0	0
0.969568	0.966354	0	0	0	0	0	0
0.98834	0.971061	0	0	0	0	0	0
0.98875	0.985772	0	0	0	0	0	0
0.927178	0.887922	0	0	0	0	0	0
0.989139	0.896845	0	0	0	0	0	0
0.026522	0.027443	0	0	0	0	0	0
0.900203	0.467514	0.18	0	0	0	0	0
0.976102	0.958158	0	0	0	0	0	0
0.028933	0.045709	0	0	0	0	0	0
0.816089	0.866991	0	0	0	0	0	0

0.977167	0.967385	0	0	0	0	0	0
0.021613	0.027752	0	0	0	0	0	0
0.020683	0.023257	0	0	0	0	0	0
0.987448	0.985499	0	0	0	0	0	0
0.968465	0.984254	0	0	0	0	3	0
0.956892	0.968056	0	0	0	0	0	0
0.980822	0.982611	0	0	0	0	0	0
0.997693	0.994416	0	0	0	0	0	0
0.995412	0.990635	0	0	0	0	0	0
0.828803	0.706869	0	0	0	0	0	0
0.942023	0.968102	0	0	0	0	0	0
0.916967	0.897319	0	0	0	0	0	0
0.98967	0.983329	0	0	0	0	0	0
0.982013	0.970229	0	0	0	0	0	0
0.987054	0.803335	0.06	0	0	0	0	0
0.985691	0.974874	0	0	0	0	0	0
0.987587	0.980689	0	0	0	0	0	0
0.984864	0.762657	0.03	0	0	0	0	0
0.725159	0.32716	0.06	0	0	0	0	0
0.769478	0.369282	0	0	0	0	0	0
0.052652	0.05455	0	0	0	0	0	0
0.906688	0.949223	0	0	0	0	0	0
0.978797	0.945469	0	0	0	0	0	0
0.983285	0.945228	0	0	0	0	0	0
0.978081	0.940485	0	0	0	0	0	0
0.980541	0.94981	0	0	0	0	0	0
0.974292	0.970745	0	0	0	0	0	0
0.071561	0.052804	0	0	0	0	0	0
0.980645	0.986816	0	0	0	0	6	6
0.985004	0.98896	0	6	0	0	0	0
0.490024	0.423793	0	0	0	0	0	0
0.043665	0.040692	0	0	0	0	0	0
0.946251	0.969568	0	0	0	0	0	0
0.970301	0.960359	0	0	0	0	0	0
0.966387	0.965033	0	0	0	0	0	0
0.964038	0.952627	0	0	0	0	0	0
0.994675	0.992999	0	0	0	0	0	0
0.997001	0.997763	0	0	0	0	0	0
0.996429	0.989968	0	0	0	0	0	0
0.975361	0.987423	0	0	0	0	0	0
0.91519	0.99113	0.03	0	0	0	0	0
0.938479	0.992893	0.02	0	0	0	0	0
0.980064	0.940879	0	0	0	0	0	0
0.922125	0.989657	0.01	0	0	0	0	0
0.933626	0.990551	0.01	0	0	0	0	0
0.924719	0.974649	0.01	0	0	0	0	0
0.977819	0.961589	0	0	0	0	0	0

0.985452	0.982367	0	0	0	0	0	0
0.98117	0.984589	0	0	0	0	0	0
0.025171	0.017147	0	0	0	0	0	0
0.984131	0.981719	0	0	0	0	0	0
0.988871	0.986665	0	0	0	0	0	0
0.937097	0.945603	0	0	0	0	0	0
0.945472	0.911052	0	0	0	0	0	0
0.966858	0.983205	0	0	0	0	0	0
0.925284	0.813229	0	0	0	0	0	0
0.967715	0.967366	0	0	0	0	0	0
0.944764	0.939353	0	0	0	0	0	0
0.955629	0.956562	0	0	0	0	0	0
0.95453	0.951734	0	0	0	0	0	0
0.995289	0.986729	0	0	0	0	0	0
0.997609	0.995673	0	0	0	0	0	0
0.997579	0.998344	0	0	0	0	0	0
0.997989	0.99827	0	0	0	0	0	0
0.996839	0.979665	0	0	0	0	0	0
0.97103	0.975107	0	0	0	0	0	0
0.959791	0.858823	0.04	0	0	0	0	0
0.993284	0.994103	0	0	0	0	0	0
0.992005	0.984322	0	0	0	0	0	0
0.992646	0.995482	0	0	0	0	0	0
0.978899	0.979554	0	0	0	0	0	0
0.98231	0.989141	0	0	0	0	0	0
0.988129	0.979757	0	0	0	0	0	0
0.05896	0.076803	0	0	0	0	0	0
0.088974	0.028902	0	0	0	0	0	0
0.976864	0.991228	0	0	0	0	0	0
0.97712	0.985752	0	0	0	0	0	0
0.981436	0.982185	0	0	0	0	0	0
0.978208	0.987248	0	0	0	0	0	0
0.97467	0.985425	0	0	0	0	0	0
0.94329	0.93666	0	0	0	0	0	0
0.9785	0.990764	0	0	0	0	0	0
0.081157	0.052993	0	0	0	0	0	0
0.900649	0.900019	0	0	0	0	0	0
0.962265	0.945078	0	0	0	0	0	0
0.104494	0.080673	0	0	0	0	0	0
0.090679	0.109695	0	0	0	0	0	0
0.453331	0.705735	0	0	0	0	0	0
0.93198	0.879972	0	0	0	0	0	0
0.868653	0.617782	0	0	0	0	0	0
0.084502	0.170854	0	0	0	0	0	0
0.954324	0.935717	0	0	0	0	0	0
0.866133	0.944885	0	0	0	0	0	0
0.90801	0.944702	0	0	0	0	0	0

0.962708	0.954662	0	0	0	0	0	0
0.95786	0.936919	0	0	0	0	0	0
0.068836	0.049347	0	0	0	0	0	0
0.984985	0.92778	0	0	0	0	0	0
0.992477	0.994462	0	0	0	0	0	0
0.938676	0.944695	0	0	0	0	0	0
0.94701	0.933471	0	0	0	0	0	0
0.052745	0.054987	0	0	0	0	0	0
0.4919	0.605961	0	0	0	0	0	0
0.924606	0.954365	0	0	0	0	0	0
0.763286	0.783918	0	0	0	0	0	0
0.723235	0.646767	0	0	0	0	0	0
0.952178	0.895211	0	0	0	0	0	0
0.91795	0.819315	0	0	0	0	0	0
0.846882	0.861113	0	0	0	0	0	0
0.961241	0.854789	0	0	0	0	0	0
0.979019	0.790032	0.05	0	0	0	0	0
0.977337	0.984961	0	0	0	0	0	0
0.377804	0.266261	0	0	0	0	0	0
0.984485	0.97703	0	0	0	0	0	0
0.980664	0.946735	0	0	0	0	0	0
0.987309	0.969744	0	0	0	0	0	0
0.985842	0.953894	0	0	0	0	0	0
0.994776	0.990699	0	0	0	0	0	0
0.994639	0.988095	0	0	0	0	0	0
0.978578	0.977525	0	0	0	0	0	0
0.995444	0.995525	0	0	0	0	0	0
0.99569	0.996418	0	0	0	0	0	0
0.012737	0.01272	0	0	0	0	0	0
0.015975	0.016811	0	0	0	0	0	0
0.996546	0.955309	0.01	0	8	0	0	0
0.006984	0.005595	0	0	0	0	0	0
0.99407	0.9782	0	0	0	0	0	0
0.99697	0.996132	0	0	0	0	0	0
0.996104	0.99056	0	0	0	0	0	0
0.956085	0.882671	0.01	0	0	0	0	0
0.999376	0.998814	0	2	0	0	0	0
0.981073	0.954717	0	0	0	0	0	0
0.987149	0.972001	0	0	0	0	0	0
0.0031	0.003229	0	0	0	0	0	0
0.979933	0.971397	0	0	0	0	0	0
0.986554	0.980605	0	0	0	0	0	0
0.988093	0.982922	0	0	0	0	0	0
0.968502	0.961729	0	0	0	0	0	0
0.021437	0.366023	0.12	0	0	0	0	0
0.977216	0.981596	0	0	0	0	0	0
0.977926	0.988973	0	0	0	0	0	0

0.989634	0.952109	0	0	0	0	0	0
0.030938	0.081339	0	0	0	0	0	0
0.989026	0.986322	0	0	0	0	0	0
0.931618	0.947967	0	0	0	0	0	0
0.987873	0.980749	0	0	0	0	0	0
0.909606	0.85176	0	0	0	0	0	0
0.980642	0.993443	0	0	0	0	0	0
0.938874	0.978567	0	0	0	0	0	0
0.992757	0.99075	0	0	0	0	0	0
0.996392	0.996779	0	0	0	0	0	0
0.991644	0.993746	0	0	0	0	0	0
0.982265	0.993372	0	0	0	0	0	0
0.968595	0.985048	0	0	0	0	0	0
0.983189	0.996546	0	0	0	0	0	0
0.990211	0.99726	0	0	0	0	0	0
0.986655	0.982456	0	0	0	0	0	0
0.974011	0.96617	0	0	0	0	0	0
0.971391	0.97782	0	0	0	0	0	0
0.966131	0.950727	0	0	0	0	0	0
0.994013	0.835927	0.09	0	0	0	0	0
0.995835	0.921172	0.04	0	0	0	0	0
0.995316	0.987448	0	0	0	0	0	0
0.995991	0.986347	0	0	0	0	0	0
0.995698	0.990749	0	0	0	0	0	0
0.012271	0.018966	0	0	0	0	0	0
0.995906	0.98783	0	0	0	0	0	0
0.980096	0.882996	0.02	0	0	0	0	0
0.985916	0.737164	0.08	0	0	0	0	0
0.997296	0.996609	0	0	0	0	0	0
0.995208	0.990445	0	0	0	0	0	0
0.997482	0.996379	0	0	0	0	0	0
0.99364	0.99516	0	0	0	0	0	0
0.993496	0.985106	0	0	0	0	0	0
0.992529	0.979402	0	0	0	0	0	0
0.988452	0.863564	0	0	0	0	0	0
0.988851	0.905954	0	0	0	0	0	0
0.989376	0.96315	0	0	0	0	0	0
0.991927	0.980149	0	0	0	0	0	0
0.992178	0.981788	0	0	0	0	0	0
0.987597	0.957996	0	0	0	0	0	0
0.901731	0.867102	0	0	0	0	0	0
0.993107	0.969181	0	0	0	0	0	0
0.974197	0.935858	0	0	0	0	0	0
0.992102	0.84015	0.02	0	0	0	0	0
0.981944	0.984522	0	0	0	0	0	0
0.985681	0.990344	0	0	0	0	0	0
0.984167	0.983909	0	0	0	0	0	0

0.984249	0.986698	0	0	0	0	0	0
0.98175	0.985709	0	0	0	0	0	0
0.97122	0.989576	0	0	0	0	0	0
0.975728	0.994024	0	0	0	0	0	0
0.979836	0.861531	0.06	0	0	0	0	0
0.992535	0.984159	0	0	0	0	0	0
0.044498	0.095342	0	0	0	0	0	0
0.996525	0.991665	0	0	0	0	0	0
0.991136	0.988022	0	0	0	0	0	0
0.916818	0.900854	0	0	0	0	0	0
0.949654	0.973139	0	0	0	0	0	0
0.948006	0.942561	0	0	0	0	0	0
0.957977	0.943613	0	0	0	0	0	0
0.948868	0.961847	0	0	0	0	0	0
0.065635	0.13097	0	0	0	0	0	0
0.993603	0.997476	0	0	0	0	0	0
0.993014	0.997394	0	0	0	0	0	0
0.042279	0.03996	0	0	0	0	0	0
0.943004	0.864884	0	0	0	0	0	0
0.959813	0.656821	0.28	0	0	0	0	0
0.987616	0.936754	0.03	7	0	0	8	8
0.997726	0.995162	0	0	0	0	0	0
0.99387	0.996724	0	0	0	0	0	0
0.079779	0.084094	0	0	0	0	0	0
0.956317	0.932946	0	0	0	0	0	0
0.866231	0.823382	0	0	0	0	0	0
0.954029	0.851533	0	0	0	0	0	0
0.9373	0.82947	0	0	0	0	0	0
0.937185	0.947358	0	0	0	0	0	0
0.932708	0.948044	0	0	0	0	0	0
0.095668	0.025654	0.01	0	0	0	0	0
0.930049	0.76804	0.06	0	0	0	0	0
0.07853	0.027012	0	0	0	0	0	0
0.043384	0.331678	0.02	0	0	0	0	0
0.926251	0.929834	0	0	0	0	0	0
0.987529	0.97722	0	0	0	0	0	0
0.989081	0.981956	0	0	0	0	0	0
0.953241	0.967705	0	0	0	0	0	0
0.988866	0.974464	0	0	0	0	0	0
0.857814	0.898861	0	0	0	0	0	0
0.958064	0.959984	0	0	0	0	0	0
0.939982	0.945351	0	0	0	0	0	0
0.948407	0.954522	0	0	0	0	0	0
0.953177	0.659741	0.06	0	0	0	0	0
0.516924	0.142318	0.07	0	0	0	0	0
0.967448	0.972695	0	0	0	0	0	0
0.959809	0.986666	0	0	0	0	0	0

0.933613	0.974274	0	0	0	0	0	0
0.943613	0.490043	0.08	0	0	0	0	0
0.140309	0.254763	0	0	0	0	0	0
0.945839	0.933444	0	0	0	0	0	0
0.104051	0.383158	0	0	0	0	0	0
0.185991	0.535035	0	0	0	0	0	0
0.97621	0.672597	0.1	0	0	0	0	0
0.988516	0.952931	0	0	0	0	0	0
0.929784	0.937822	0	0	0	0	0	0
0.969634	0.963994	0	0	0	0	0	0
0.777823	0.863078	0	0	0	0	0	0
0.999215	0.999599	0	0	0	0	0	0
0.998856	0.998465	0	0	0	0	0	0
0.995032	0.996572	0	0	0	0	2	2
0.985038	0.994965	0	0	0	0	0	0
0.77891	0.862424	0.02	0	0	0	0	0
0.914215	0.955944	0.01	0	0	0	0	0
0.991294	0.992995	0	0	0	0	0	0
0.996458	0.992523	0	0	0	0	0	0
0.977074	0.988029	0	0	0	0	0	0
0.984404	0.996023	0	0	0	0	0	0
0.010679	0.023342	0	0	0	0	0	0
0.462816	0.403075	0	0	0	0	0	0
0.511004	0.632834	0.05	0	0	0	0	0
0.507398	0.355438	0.07	0	0	0	0	0
0.99457	0.993969	0	0	0	0	0	0
0.994976	0.967259	0	0	0	0	0	0
0.996044	0.975161	0	0	0	0	0	0
0.986702	0.982945	0	0	0	0	0	0
0.913198	0.840327	0	0	0	0	0	0
0.990731	0.977718	0	0	0	0	0	0
0.967669	0.990565	0	0	0	0	0	0
0.525833	0.062306	0.28	0	0	0	0	0
0.011803	0.050676	0	0	0	0	0	0
0.936726	0.924001	0	0	0	0	0	0
0.99536	0.98807	0	0	0	0	0	0
0.994961	0.992381	0	0	0	0	0	0
0.996878	0.992565	0	0	1	0	0	0
0.979328	0.828264	0.09	0	0	0	0	0
0.095372	0.062038	0	0	0	0	0	0
0.956085	0.979136	0	0	0	0	0	0
0.029162	0.111875	0	0	0	0	0	0
0.990738	0.975506	0	0	0	0	0	0
0.046499	0.181256	0	0	0	0	0	0
0.028033	0.02297	0	0	0	0	0	0
0.021664	0.019652	0	0	0	0	0	0
0.997703	0.973243	0	0	0	0	0	0

0.008595	0.02477	0	0	0	0	0	0
0.998362	0.928725	0.02	0	0	0	0	0
0.996747	0.97439	0	0	0	0	0	0
0.974858	0.984959	0	0	0	0	0	0
0.978415	0.988346	0	0	0	0	0	0
0.982275	0.983959	0	0	0	0	0	0
0.99362	0.93633	0	0	0	0	0	0
0.991332	0.950684	0	7	0	0	0	0
0.982839	0.961256	0	0	0	0	0	0
0.919077	0.762203	0	0	0	0	0	0
0.256331	0.401783	0	0	0	0	0	0
0.121991	0.026536	0	0	0	0	0	0
0.985566	0.988194	0	0	0	0	0	0
0.028335	0.016602	0	0	0	0	0	0
0.914556	0.947733	0	0	0	0	0	0
0.99615	0.993672	0	0	0	0	0	0
0.010738	0.007947	0	0	0	0	0	0
0.007501	0.007889	0	0	0	0	0	0
0.993863	0.98741	0	0	0	0	0	0
0.991741	0.991544	0	0	0	0	0	0
0.046899	0.034611	0	0	0	7	0	0
0.760377	0.122155	0.55	0	0	0	0	0
0.994877	0.989351	0	0	0	0	0	0
0.99614	0.992471	0	0	0	0	0	1
0.081889	0.050694	0	0	0	0	0	0
0.951864	0.95711	0	0	0	0	0	0
0.038115	0.019563	0	0	0	0	0	0
0.913696	0.967463	0	0	0	0	0	0
0.030381	0.072351	0	0	0	0	0	0
0.102162	0.252389	0.02	0	0	0	0	0
0.991724	0.996681	0	0	0	0	0	0
0.997116	0.975394	0	0	0	0	0	0
0.690274	0.661676	0	0	0	0	0	0
0.341379	0.193435	0.02	0	0	0	0	0
0.137982	0.265067	0	0	0	0	0	0
0.271492	0.559596	0.08	0	0	0	0	0
0.995319	0.976367	0	0	0	0	0	0
0.990668	0.979539	0	0	0	0	0	0
0.011873	0.047384	0	0	0	0	0	0
0.99362	0.981	0	0	0	0	0	0
0.99257	0.927123	0	0	0	0	0	0
0.027453	0.079602	0	0	0	0	0	0
0.917986	0.905327	0	0	0	0	0	0
0.98087	0.950921	0	0	0	4	0	0
0.979528	0.973522	0	0	0	0	0	0
0.985792	0.976405	0	0	0	0	0	0
0.993499	0.982692	0	0	0	0	0	0

0.992177	0.971229	0	0	0	0	0	0
0.99046	0.947444	0	0	0	0	0	0
0.982419	0.993147	0	0	0	0	0	0
0.069535	0.093189	0	0	0	0	0	0
0.978388	0.993279	0	0	0	0	0	0
0.055948	0.185512	0	0	0	0	0	0
0.988486	0.996233	0	0	0	0	0	0
0.071251	0.192354	0.01	0	0	0	0	0
0.976953	0.991769	0	0	0	0	0	0
0.901091	0.958883	0	0	0	0	0	0
0.003002	0.002112	0	0	0	0	0	0
0.990116	0.991011	0	0	0	0	0	0
0.988988	0.975452	0	0	0	0	0	0
0.992937	0.989924	0	0	0	0	0	0
0.995062	0.99456	0	0	0	0	0	0
0.993164	0.994604	0	0	0	0	0	0
0.991751	0.96322	0	0	0	0	0	0
0.00154	0.008075	0	0	0	0	0	0
0.999633	0.998653	0	0	0	0	0	0
0.916174	0.976763	0.06	0	0	0	0	0
0.092558	0.080343	0	0	0	0	0	0
0.993162	0.995158	0	0	0	0	0	0
0.991211	0.9931	0	0	0	0	0	0
0.97372	0.689758	0.12	0	0	0	0	0
0.990236	0.994805	0	0	0	0	0	0
0.090917	0.048396	0	0	0	0	0	0
0.005384	0.011762	0	0	0	0	0	0
0.985411	0.974016	0	0	0	0	0	0
0.015414	0.018203	0	0	0	0	0	0
0.996371	0.997078	0	0	0	0	0	0
0.018053	0.018361	0	0	0	0	0	0
0.994308	0.992029	0	0	0	0	0	0
0.992114	0.970993	0	0	0	0	0	0
0.886261	0.951814	0	0	0	0	0	0
0.990192	0.990116	0	0	0	0	0	0
0.992095	0.992797	0	0	0	0	0	0
0.960552	0.953929	0	0	0	0	0	0
0.995903	0.996783	0	0	0	0	0	0
0.010918	0.018283	0	0	0	0	0	0
0.960761	0.961983	0	0	0	0	0	0
0.986188	0.984318	0	0	0	0	0	0
0.030878	0.032096	0	0	0	0	0	0
0.018542	0.040505	0	0	0	0	0	0
0.007293	0.016754	0	0	0	0	0	0
0.026775	0.007457	0	0	0	0	0	0
0.996883	0.990258	0	0	0	0	0	0
0.88498	0.311824	0.45	0	0	0	0	0

0.14924	0.093259	0	0	0	0	0	0
0.99646	0.975037	0	0	0	0	0	0
0.239652	0.289209	0	0	0	0	0	0
0.093449	0.248869	0.06	0	0	0	0	0
0.246131	0.069549	0.08	0	0	0	0	0
0.998475	0.986161	0	0	0	0	0	4
0.995613	0.991105	0	0	0	0	0	0
0.997718	0.991811	0	0	0	0	0	0
0.998897	0.986029	0	2	0	0	0	0
0.783801	0.885083	0	0	0	0	0	0
0.030297	0.010871	0	0	0	0	0	0
0.736991	0.522945	0.06	0	0	0	0	0
0.861429	0.654605	0.07	0	0	0	0	0
0.008715	0.01417	0	0	0	0	6	3
0.004305	0.040315	0.01	0	0	0	0	0
0.112022	0.102427	0	0	0	0	0	0
0.026083	0.018267	0	0	0	0	0	0
0.987345	0.987239	0	0	0	0	0	0
0.988254	0.990333	0	0	0	0	0	0
0.896382	0.980966	0	0	0	0	0	0
0.92481	0.990852	0	0	0	0	0	0
0.935472	0.99004	0	0	0	0	0	0
0.012875	0.037659	0	0	0	0	0	0
0.994323	0.980723	0	0	0	0	0	0
0.976011	0.962059	0	0	0	0	0	0
0.995431	0.996724	0	0	0	0	0	0
0.974373	0.982664	0	0	0	0	0	0
0.952783	0.973584	0	0	0	0	0	0
0.95692	0.979611	0	0	0	0	0	0
0.996644	0.990863	0	0	0	0	0	0
0.997126	0.991584	0	0	0	0	0	0
0.997664	0.981424	0	0	0	0	0	0
0.0053	0.057304	0	0	0	0	0	0
0.997883	0.989098	0	0	0	0	0	0
0.995005	0.980001	0	0	0	0	0	0
0.991819	0.978544	0	0	0	0	0	0
0.991755	0.982994	0	0	0	0	0	0
0.956582	0.975833	0	0	0	0	0	0
0.986986	0.990045	0	0	0	0	0	0
0.995394	0.998179	0	0	0	0	0	0
0.994759	0.997693	0	0	0	0	0	0
0.996567	0.998454	0	0	0	0	0	0
0.008056	0.020451	0	0	0	0	0	0
0.992025	0.997001	0	0	0	0	0	0
0.993945	0.995323	0	0	0	0	0	0
0.966122	0.989081	0	0	0	0	0	0
0.946759	0.975577	0	0	0	0	0	0

0.33373	0.332744	0	0	0	0	0	0
0.999761	0.998891	0	0	0	0	0	0
0.999113	0.999395	0	0	0	0	0	0
0.99977	0.999788	0	0	0	0	0	0
0.054634	0.006972	0	0	0	6	0	0
0.955915	0.969144	0	0	0	0	0	0
0.993026	0.995373	0	0	0	0	0	0
0.99323	0.997851	0	0	0	0	0	0
0.015121	0.01332	0	3	8	0	0	0
0.011786	0.003033	0	0	0	0	0	0
0.011916	0.003259	0	0	0	0	0	0
0.011089	0.00278	0	0	0	0	0	0
0.011744	0.003308	0	0	0	0	0	0
0.994384	0.993249	0	0	0	0	0	0
0.993022	0.993635	0	0	0	0	9	9
0.994574	0.997465	0	9	0	0	0	0
0.994469	0.997379	0	0	0	0	0	0
0.995852	0.996627	0	0	0	0	0	0
0.995841	0.940696	0.01	0	0	0	20	1
0.99612	0.998188	0	1	0	0	0	0
0.031818	0.017708	0	0	0	0	0	0
0.17796	0.013445	0.07	0	0	0	0	0
0.991143	0.993676	0	0	0	0	0	0
0.995093	0.99183	0	0	0	0	0	0
0.012665	0.040657	0	0	0	0	0	0
0.870955	0.767075	0	0	0	0	0	0
0.6567	0.471726	0	0	0	0	1	1
0.998951	0.986863	0	0	0	0	0	0
0.992875	0.990456	0	0	0	0	0	0
0.996787	0.993731	0	0	0	0	0	0
0.998883	0.99809	0	0	0	0	0	0
0.997973	0.993545	0	0	0	0	0	0
0.043755	0.01044	0	0	0	0	0	0
0.998089	0.997468	0	0	0	0	0	0
0.996292	0.995239	0	0	0	0	0	0
0.004507	0.00551	0	0	0	0	0	0
0.010071	0.005166	0	0	0	0	11	9
0.997771	0.99688	0	0	0	0	0	0
0.993279	0.98484	0	0	0	0	0	0
0.984618	0.949283	0	0	0	0	0	0
0.96796	0.915202	0	0	0	0	0	0
0.99228	0.981561	0	0	0	0	0	0
0.994126	0.954611	0	0	0	0	0	0
0.992298	0.978869	0	0	0	0	0	0
0.982186	0.928618	0	0	0	0	0	0
0.049236	0.054276	0	0	0	0	0	0
0.995785	0.986823	0	0	0	0	0	0

0.990192	0.972845	0	0	0	0	0	0
0.955552	0.795587	0	0	0	0	0	0
0.003598	0.056615	0.02	0	0	0	0	0
0.364192	0.126318	0.09	0	0	0	0	0
0.995773	0.9973	0	0	0	0	0	0
0.949959	0.794388	0.07	0	0	0	0	0
0.962431	0.941307	0	0	0	0	0	0
0.545101	0.71574	0	0	0	0	0	0
0.96708	0.953283	0	0	0	0	0	0
0.996883	0.99818	0	0	0	0	0	0
0.994488	0.982789	0	0	0	0	0	0
0.995292	0.977204	0	0	0	0	0	0
0.993045	0.975684	0	0	0	0	0	0
0.034371	0.049901	0	0	0	0	0	0
0.997457	0.997751	0	0	0	0	0	0
0.961359	0.922369	0	0	0	0	0	0
0.9674	0.938675	0	0	0	0	0	0
0.470743	0.543484	0	0	0	0	0	0
0.963227	0.956709	0	0	0	0	0	0
0.995034	0.998381	0	0	0	0	0	0
0.992281	0.976806	0	0	0	0	0	0
0.011956	0.024952	0	0	0	0	0	0
0.018027	0.05336	0	0	0	0	0	0
0.028282	0.063355	0	0	0	0	0	0
0.957137	0.865529	0.03	0	0	0	0	0
0.895662	0.73838	0.09	0	0	0	0	0
0.940373	0.894905	0.05	0	0	0	0	0
0.996139	0.976741	0	0	0	0	0	0
0.996717	0.981446	0	0	0	0	0	0
0.998509	0.975815	0	0	0	0	0	0
0.985785	0.974375	0	0	0	0	0	0
0.993908	0.997797	0	0	0	0	0	0
0.994608	0.996969	0	0	0	0	0	0
0.992109	0.998767	0	0	0	0	0	0
0.006618	0.007373	0	0	0	0	0	0
0.988674	0.997684	0	0	0	0	0	0
0.006049	0.005071	0	0	0	0	0	0
0.204682	0.027605	0.11	0	0	0	0	0
0.945553	0.955604	0	0	0	0	0	0
0.011869	0.028542	0	0	0	0	0	0
0.999185	0.99886	0	0	0	0	0	0
0.990041	0.989931	0	0	0	0	0	0
0.997083	0.996536	0	0	0	0	0	0
0.996763	0.989647	0	0	0	0	0	0
0.99336	0.994068	0	0	0	0	0	0
0.977178	0.99467	0	0	1	1	0	0
0.998226	0.997938	0	0	0	0	0	0

0.476412	0.6182	0.02	0	0	0	0	0
0.994543	0.987338	0	0	0	0	0	0
0.997186	0.990085	0	0	0	0	0	0
0.986047	0.983348	0	0	0	0	0	0
0.996701	0.989219	0	0	0	0	0	0
0.942926	0.872736	0.02	0	0	0	0	0
0.985004	0.975542	0	0	0	0	0	0
0.994764	0.972115	0	0	0	0	0	0
0.004731	0.034385	0	0	0	0	0	0
0.777085	0.429835	0.24	0	0	0	0	0
0.004846	0.00613	0	0	0	0	0	0
0.952292	0.94575	0	0	0	0	0	0
0.019717	0.018769	0	0	0	0	0	0
0.996996	0.99533	0	0	0	0	0	0
0.992939	0.996974	0	0	0	0	0	0
0.017876	0.009459	0	0	0	0	0	0
0.997095	0.977426	0	0	0	0	0	0
0.98671	0.992145	0	0	0	0	0	0
0.03201	0.036387	0	0	0	0	0	0
0.015936	0.006465	0	0	0	0	0	0
0.980272	0.993651	0	0	0	0	0	0
0.976337	0.992328	0	0	0	0	0	0
0.985886	0.963641	0	0	0	0	0	0
0.926001	0.940248	0	0	0	0	0	0
0.870194	0.885217	0	0	0	0	0	0
0.977894	0.957593	0	0	0	0	0	0
0.99672	0.993799	0	0	0	0	0	0
0.989896	0.980414	0	0	0	0	0	0
0.990887	0.982613	0	0	0	0	0	0
0.996949	0.976066	0	0	0	0	0	0
0.997514	0.995992	0	0	0	0	0	0
0.987418	0.980792	0	0	0	0	0	0
0.006409	0.069541	0.01	0	0	0	0	0
0.9857	0.972851	0	0	0	0	0	0
0.008821	0.009059	0	0	0	0	0	0
0.143002	0.120453	0	0	0	0	0	0
0.976726	0.983902	0	0	0	0	0	0
0.935392	0.874285	0	0	0	0	0	0
0.076146	0.115063	0	0	0	0	0	0
0.062832	0.117602	0	0	0	0	0	0
0.877563	0.963936	0	0	0	0	0	0
0.779126	0.942688	0	0	0	0	0	0
0.042009	0.032525	0	0	0	0	0	0
0.416072	0.432476	0	0	0	0	0	0
0.482201	0.620029	0	0	0	0	0	0
0.959157	0.519961	0.1	0	0	0	0	0
0.977559	0.962916	0	0	0	0	0	0

0.402619	0.474351	0	0	0	0	0	0
0.527699	0.941551	0.21	0	0	0	0	0
0.994114	0.998614	0	0	0	0	0	0
0.996246	0.997403	0	0	0	0	0	0
0.992791	0.992837	0	0	0	0	0	0
0.005944	0.005154	0	0	0	0	0	0
0.995071	0.991284	0	0	0	0	0	0
0.9984	0.997413	0	0	0	0	0	0
0.998505	0.997841	0	0	0	0	0	0
0.998454	0.99819	0	0	0	0	0	0
0.998281	0.996664	0	0	0	0	0	0
0.017549	0.019917	0	0	0	0	0	0
0.994791	0.99637	0	0	0	0	0	0
0.997664	0.981619	0	0	0	0	0	0
0.005703	0.008569	0	0	0	0	0	0
0.021577	0.024466	0	0	0	0	0	0
0.992037	0.927054	0.02	0	0	0	0	0
0.281803	0.151086	0.01	0	0	0	0	0
0.983636	0.984269	0	0	0	0	0	0
0.995681	0.967398	0	0	0	0	0	0
0.993416	0.9221	0.02	0	0	0	0	0
0.970309	0.889356	0	0	0	0	0	0
0.968005	0.992311	0	0	0	0	0	0
0.997173	0.988278	0	0	0	0	0	0
0.970268	0.983829	0	0	0	0	0	0
0.97828	0.9347	0	0	0	0	0	0
0.006419	0.012005	0	0	0	0	0	0
0.00973	0.00523	0	0	0	0	0	0
0.997363	0.998046	0	0	0	0	0	0
0.998036	0.996122	0	0	0	0	0	0
0.00388	0.002593	0	0	0	0	0	0
0.003458	0.00258	0	0	0	0	0	0
0.625021	0.629958	0	0	0	0	0	0
0.992596	0.97568	0	0	0	0	0	0
0.003486	0.001867	0	0	0	0	0	0
0.771276	0.408984	0.14	0	0	0	0	0
0.994317	0.979719	0	0	0	0	0	0
0.99507	0.996031	0	0	0	0	0	0
0.091182	0.209061	0	0	0	0	0	0
0.029121	0.199979	0.02	0	0	0	0	0
0.040303	0.209973	0.02	0	0	0	0	0
0.989657	0.991815	0	0	0	0	0	0
0.984658	0.989728	0	0	0	0	0	0
0.025556	0.02258	0	0	0	0	0	0
0.915308	0.898755	0	0	0	0	0	0
0.97734	0.991157	0	0	0	0	0	0
0.987859	0.984322	0	0	0	0	0	0

0.989401	0.966875	0	0	0	0	0	0
0.983612	0.88706	0.03	0	4	0	0	0
0.947906	0.69132	0.14	0	5	0	0	0
0.971548	0.68049	0.15	0	0	0	0	0
0.003994	0.006062	0	0	0	0	0	0
0.986964	0.990036	0	0	0	0	0	0
0.989612	0.996913	0	0	0	0	0	0
0.996322	0.975176	0	0	0	0	0	0
0.974632	0.959049	0	0	0	0	0	0
0.998934	0.991414	0	0	0	0	0	0
0.998898	0.992516	0	0	0	0	0	0
0.994912	0.905806	0.03	0	0	0	0	0
0.961658	0.976675	0	0	0	0	0	0
0.978886	0.990255	0	0	0	0	0	0
0.057115	0.035836	0	0	0	0	0	0
0.062508	0.078183	0	0	0	0	0	0
0.755048	0.877848	0	0	0	0	0	0
0.981359	0.983957	0	0	0	0	0	0
0.993288	0.993158	0	0	0	0	0	0
0.271689	0.050784	0.1	0	0	0	0	0
0.99512	0.993585	0	0	0	0	0	0
0.1784	0.253539	0	0	0	0	0	0
0.991932	0.978001	0	0	0	0	3	0
0.98573	0.988126	0	0	0	0	0	0
0.982831	0.993779	0	0	0	0	0	0
0.977937	0.85571	0	0	0	0	0	0
0.32004	0.135378	0	0	0	0	0	0
0.014123	0.008976	0	0	0	0	0	0
0.997691	0.997724	0	0	0	0	0	0
0.98809	0.964057	0	0	0	0	0	0
0.975599	0.974083	0	0	0	0	0	0
0.990203	0.978073	0	0	0	0	0	0
0.988759	0.939303	0	0	0	0	0	0
0.825058	0.642477	0	0	0	0	0	0
0.948009	0.364014	0.29	0	0	0	0	0
0.490993	0.660994	0	0	0	0	0	0
0.959933	0.937189	0	0	0	0	0	0
0.959176	0.944593	0	0	0	0	0	0
0.966012	0.69864	0.07	0	0	0	0	0
0.960919	0.934392	0	0	0	0	0	0
0.962132	0.949884	0	0	0	0	0	0
0.960523	0.803921	0	0	0	0	0	0
0.393574	0.137162	0.01	0	0	0	0	0
0.979034	0.938473	0	0	0	0	0	0
0.046539	0.431134	0.14	0	0	0	0	0
0.977508	0.960703	0	0	0	0	0	0
0.839863	0.66537	0	0	0	0	0	0

0.495462	0.435301	0	0	0	0	0	0
0.36112	0.733839	0.15	0	0	0	0	0
0.985097	0.961414	0	0	0	0	0	0
0.984757	0.878998	0	0	0	0	0	0
0.990601	0.955361	0	0	0	0	0	0
0.988289	0.992658	0	0	0	0	0	0
0.031566	0.029305	0	0	0	0	0	0
0.992191	0.995757	0	0	0	0	0	0
0.992131	0.973613	0	0	0	0	0	0
0.054584	0.20818	0	0	0	0	0	0
0.977571	0.925807	0	0	0	0	0	0
0.043564	0.194157	0	0	0	0	0	0
0.037583	0.139664	0	0	0	0	0	0
0.937398	0.978319	0	0	0	0	0	0
0.984802	0.944826	0	0	0	0	0	0
0.314266	0.282726	0	0	0	0	0	0
0.926957	0.944518	0	0	0	0	0	0
0.232046	0.357447	0	0	0	0	0	0
0.213831	0.324265	0	0	0	0	0	0
0.198028	0.263569	0	0	0	0	0	0
0.615608	0.493351	0	0	0	0	0	0
0.605683	0.605905	0	0	0	0	0	0
0.864473	0.878951	0	0	0	0	0	0
0.875634	0.803587	0	0	0	0	0	0
0.922281	0.923118	0	0	0	0	0	0
0.970663	0.980724	0	0	0	0	0	0
0.957895	0.978394	0	0	0	0	0	0
0.920251	0.849372	0	0	0	0	0	0
0.946857	0.940186	0	0	0	0	0	0
0.998659	0.99823	0	0	0	0	0	0
0.999669	0.999322	0	0	0	0	0	0
0.998809	0.997004	0	0	0	0	0	0
0.062377	0.062169	0	0	0	0	0	0
0.952366	0.92831	0	0	0	0	0	0
0.979248	0.918411	0.02	0	0	0	0	0
0.956572	0.860943	0.04	0	0	0	0	0
0.93821	0.932937	0	0	0	0	0	0
0.989968	0.983479	0	0	0	0	0	0
0.991849	0.985376	0	0	0	0	0	0
0.997694	0.997365	0	0	0	0	0	0
0.997394	0.993909	0	0	0	0	0	0
0.329069	0.330529	0	0	0	0	0	0
0.98733	0.994819	0	0	0	0	0	0
0.252595	0.079187	0.08	0	4	0	0	0
0.073946	0.047615	0	0	0	0	0	0
0.961916	0.960278	0	0	0	0	0	0
0.972178	0.960303	0	0	0	0	0	0

0.95474	0.963322	0	0	0	0	0	0
0.927275	0.944723	0	0	0	0	0	0
0.959439	0.938145	0	0	0	0	0	0
0.931796	0.894473	0	0	0	0	0	0
0.981025	0.959137	0	0	0	0	0	0
0.966173	0.965151	0	0	0	0	0	0
0.978416	0.959236	0	0	0	0	0	0
0.961132	0.946152	0	0	0	0	0	0
0.979556	0.973897	0	0	0	0	0	0
0.04561	0.079779	0	0	0	0	0	0
0.973467	0.958074	0	0	0	0	0	0
0.97233	0.945646	0	0	0	0	0	0
0.97964	0.974295	0	0	0	0	0	0
0.967941	0.997975	0	0	0	0	0	0
0.700789	0.56889	0	0	0	0	0	0
0.981667	0.946296	0	0	0	0	0	0
0.924394	0.981978	0	0	0	0	3	3
0.945136	0.940263	0	0	0	0	0	0
0.945787	0.972712	0	0	0	0	0	0
0.946554	0.950791	0	0	0	0	0	0
0.955153	0.957681	0	0	0	0	0	0
0.962987	0.933605	0	0	0	0	0	0
0.950926	0.974226	0	0	0	0	0	0
0.022842	0.0148	0	0	0	0	0	0
0.898837	0.926942	0	0	0	0	0	0
0.993053	0.997986	0	0	0	0	0	0
0.992061	0.992094	0	0	0	0	0	0
0.990828	0.961641	0	0	0	0	0	0
0.88525	0.93584	0	0	0	0	0	0
0.964054	0.778934	0.1	0	0	0	0	0
0.007389	0.016964	0	0	0	0	0	0
0.00491	0.003909	0	0	0	0	0	0
0.997639	0.997245	0	0	0	0	0	0
0.997171	0.997676	0	0	0	6	1	1
0.997939	0.995843	0	0	0	0	0	0
0.106638	0.05576	0	0	0	0	0	0
0.99917	0.999364	0	0	0	0	0	0
0.999298	0.993033	0	0	0	0	0	0
0.998804	0.998797	0	0	0	0	0	0
0.994665	0.994999	0	0	0	0	0	0
0.002923	0.003155	0	0	0	0	0	0
0.989455	0.953781	0	0	0	0	0	0
0.993082	0.917624	0	0	0	0	0	0
0.993663	0.982083	0	0	0	0	0	0
0.995748	0.984107	0	0	0	0	0	0
0.99133	0.987276	0	0	0	0	0	0
0.990797	0.991202	0	0	0	0	0	0

0.977845	0.934254	0	0	0	0	0	0
0.982641	0.958128	0	0	0	0	0	0
0.989177	0.908015	0	0	0	0	0	0
0.994026	0.995324	0	0	0	0	4	0
0.985959	0.976037	0	0	0	0	0	0
0.987244	0.981117	0	0	0	0	0	0
0.95044	0.933911	0	0	0	0	0	0
0.978507	0.915386	0.01	0	0	0	0	0
0.995929	0.978325	0.01	0	0	0	0	0
0.9974	0.990101	0	0	0	0	0	0
0.996662	0.992382	0	0	0	0	0	0
0.997341	0.98523	0	0	0	0	0	0
0.2103	0.263684	0	0	0	0	0	0
0.993226	0.984007	0	0	0	0	0	0
0.994332	0.985775	0	0	0	0	0	0
0.993607	0.99242	0	0	0	0	0	0
0.994419	0.992171	0	0	0	0	0	0
0.909448	0.971824	0	0	0	0	0	0
0.971627	0.975244	0	0	0	0	0	0
0.964829	0.954703	0	0	0	0	0	0
0.128605	0.726499	0.22	0	0	0	0	0
0.978222	0.964711	0	0	0	0	0	0
0.033662	0.067713	0	0	0	0	0	0
0.988711	0.992705	0	0	0	0	0	0
0.994296	0.993955	0	0	0	0	0	0
0.980773	0.980041	0	0	0	0	0	0
0.991311	0.973511	0	0	0	0	0	0
0.994582	0.981352	0	0	0	0	0	0
0.007294	0.020113	0	0	0	0	0	0
0.978614	0.989296	0	0	0	0	0	0
0.9853	0.996672	0	0	0	0	0	0
0.977613	0.966384	0	0	0	0	0	0
0.971747	0.936051	0	0	0	0	0	0
0.322748	0.327452	0	0	0	0	0	0
0.982824	0.936599	0	0	0	0	0	0
0.979885	0.953906	0	0	0	0	0	0
0.949197	0.941673	0	0	0	0	0	0
0.952266	0.93116	0	0	0	0	0	0
0.966289	0.93072	0	0	0	0	0	0
0.03307	0.05054	0	0	0	0	0	0
0.989851	0.982372	0	0	0	0	0	0
0.983565	0.945997	0	0	0	0	0	0
0.985206	0.971664	0	0	0	0	0	0
0.965297	0.914673	0	0	0	0	0	0
0.982773	0.965461	0	0	0	0	0	0
0.988086	0.970537	0	0	0	0	0	0
0.983115	0.972933	0	0	0	0	0	0

0.988681	0.982174	0	0	0	0	0	0
0.949617	0.940614	0	0	0	0	0	0
0.975479	0.987748	0	0	0	0	0	0
0.977826	0.988346	0	0	0	0	0	0
0.968509	0.945982	0	0	0	0	0	0
0.947383	0.914394	0	0	0	0	0	0
0.961691	0.960704	0	0	0	0	0	0
0.976938	0.962429	0	0	0	0	0	0
0.985769	0.982008	0	0	0	0	0	0
0.979196	0.990835	0	0	0	0	0	0
0.98534	0.992699	0	0	0	0	0	0
0.980901	0.967093	0	0	0	0	0	0
0.977253	0.988192	0	0	0	0	0	0
0.789794	0.944656	0.01	0	0	0	0	0
0.975666	0.986249	0	0	0	0	0	0
0.995232	0.987833	0	0	0	0	0	0
0.942745	0.958337	0	0	0	0	0	0
0.01865	0.019027	0	0	0	0	0	0
0.985884	0.991545	0	0	0	0	0	0
0.982402	0.968169	0	0	0	0	0	0
0.996569	0.933374	0.03	0	0	0	0	0
0.24734	0.286749	0	0	0	0	0	0
0.015122	0.014364	0	0	0	0	0	0
0.012585	0.017731	0	0	0	0	0	0
0.993314	0.977032	0	0	0	0	0	0
0.945491	0.826936	0.01	0	0	0	0	0
0.927508	0.910427	0	0	0	0	0	0
0.85037	0.868997	0	0	0	0	0	0
0.160298	0.237003	0	0	0	0	0	0
0.998553	0.997929	0	0	0	0	0	0
0.107701	0.061498	0	0	0	0	0	0
0.017352	0.010397	0	0	0	0	0	0
0.974219	0.97357	0	0	0	0	0	0
0.987963	0.990561	0	0	0	0	0	0
0.984362	0.988505	0	0	0	0	0	0
0.986187	0.980855	0	0	0	0	0	0
0.01538	0.022487	0	0	0	0	0	0
0.994401	0.979642	0	0	0	0	0	0
0.964865	0.962073	0	0	0	0	0	0
0.989442	0.994793	0	0	0	0	0	0
0.0138	0.007752	0	0	0	0	0	0
0.979157	0.981821	0	0	0	0	0	0
0.988055	0.989499	0	0	0	0	0	0
0.966348	0.931557	0	0	0	0	0	0
0.981752	0.990518	0	0	0	0	0	0
0.994496	0.995848	0	0	0	0	0	0
0.991309	0.993804	0	0	0	0	0	0

0.936063	0.967296	0	0	0	0	0	0
0.976929	0.987053	0	0	0	0	0	0
0.990885	0.988973	0	0	0	0	0	0
0.997123	0.997027	0	0	0	0	0	0
0.989017	0.93923	0	0	0	0	0	0
0.996791	0.997587	0	0	0	0	0	0
0.992692	0.995544	0	0	0	0	0	0
0.000886	0.000725	0	0	4	0	0	0
0.001926	0.008244	0	0	4	0	0	0
0.95824	0.922659	0	0	0	0	0	0
0.327091	0.158644	0	0	0	0	0	0
0.991706	0.951119	0	0	0	0	0	0
0.928653	0.562629	0.27	0	0	0	0	0
0.908839	0.431018	0.39	0	0	0	0	0
0.949524	0.451532	0.42	0	0	0	0	0
0.869278	0.358485	0.38	0	0	0	0	0
0.831892	0.304248	0.42	0	0	0	0	0
0.82572	0.349913	0.36	0	0	0	0	0
0.842947	0.38507	0.34	0	0	0	0	0
0.830974	0.334485	0.37	0	0	0	0	0
0.834421	0.333477	0.36	0	0	0	0	0
0.850194	0.386414	0.36	0	0	0	0	0
0.872353	0.394301	0.39	0	0	0	0	0
0.237297	0.172465	0	0	0	0	0	0
0.969692	0.957423	0	0	0	0	0	0
0.98502	0.95029	0	0	0	0	0	0
0.992865	0.964516	0	0	0	0	0	0
0.991723	0.985472	0	0	0	0	0	0
0.985187	0.985991	0	0	0	0	0	0
0.995064	0.994174	0	0	0	0	0	0
0.994754	0.992984	0	0	0	0	0	0
0.05149	0.062216	0	0	0	0	0	0
0.987124	0.962113	0	0	0	0	0	0
0.98429	0.952547	0	0	0	0	0	0
0.053508	0.070389	0	0	0	0	0	0
0.99452	0.943361	0.01	0	0	0	0	0
0.018594	0.027849	0	0	0	0	0	0
0.022719	0.095089	0	0	0	0	0	0
0.055301	0.33895	0.15	0	0	0	0	0
0.032306	0.164545	0.01	0	0	0	0	0
0.98302	0.767015	0.08	0	0	6	0	0
0.993238	0.996573	0	0	0	0	0	0
0.019984	0.018013	0	0	0	0	0	0
0.022217	0.017304	0	0	0	0	0	0
0.174924	0.454865	0.05	0	0	0	1	1
0.19471	0.293006	0	0	7	7	0	0
0.372521	0.497908	0	0	7	3	8	11

0.985647	0.967226	0	0	0	0	0	0
0.988455	0.988604	0	0	0	0	0	0
0.029513	0.053932	0	0	0	0	0	0
0.990625	0.965201	0	0	0	0	0	0
0.01161	0.004409	0	0	0	0	0	0
0.092745	0.054291	0	0	0	0	0	0
0.995021	0.994641	0	0	0	0	0	0
0.989835	0.984724	0	0	0	0	0	0
0.991016	0.991705	0	0	0	0	0	0
0.96582	0.915169	0	0	0	0	0	0
0.988429	0.990081	0	0	0	0	0	0
0.987977	0.990796	0	0	0	0	0	0
0.017396	0.014728	0	0	0	0	0	0
0.988283	0.988729	0	0	0	0	0	0
0.801623	0.978271	0.02	0	0	0	0	0
0.990575	0.997105	0	0	0	0	0	0
0.070296	0.065824	0	0	0	0	0	0
0.008757	0.025552	0	0	0	0	0	0
0.010958	0.010608	0	0	0	0	0	0
0.041814	0.029303	0	0	0	0	0	0
0.995089	0.993431	0	0	0	0	0	0
0.988555	0.981323	0	0	0	0	0	0
0.19544	0.100182	0	0	0	0	0	0
0.034694	0.020359	0	0	0	0	0	0
0.992555	0.998241	0	0	0	0	0	0
0.993137	0.978049	0	0	0	0	0	0
0.991763	0.977173	0	0	0	0	0	0
0.997113	0.981585	0	0	0	0	0	0
0.998213	0.997017	0	0	0	0	0	0
0.997368	0.999025	0	0	0	0	0	0
0.992051	0.985656	0	0	0	0	0	0
0.996927	0.980491	0	0	0	0	0	0
0.973756	0.957588	0	0	0	0	0	0
0.995029	0.840386	0.01	0	0	0	0	0
0.963375	0.804154	0.03	0	0	0	0	0
0.990726	0.9821	0	0	0	0	0	0
0.580047	0.273821	0.18	0	0	0	0	0
0.996425	0.978657	0	0	0	0	0	0
0.838369	0.655486	0.04	0	0	0	0	0
0.985066	0.989265	0	0	0	0	0	0
0.953288	0.929701	0	0	0	0	0	0
0.954551	0.976093	0	0	0	0	0	0
0.931201	0.900411	0	0	0	0	0	0
0.887093	0.777204	0	0	3	3	0	0
0.976406	0.809243	0.03	0	0	0	0	0
0.978138	0.975728	0	0	0	0	0	0
0.019075	0.011633	0	0	0	0	0	0

0.996319	0.998585	0	0	0	0	0	0
0.008777	0.005985	0	0	0	0	0	0
0.998753	0.977816	0	0	0	0	0	0
0.998914	0.957512	0.01	0	0	0	10	0
0.998655	0.973614	0.01	0	0	0	0	0
0.989726	0.987611	0	0	0	0	0	0
0.995609	0.990179	0	0	0	0	0	0
0.997334	0.991917	0	0	0	0	0	0
0.006254	0.027019	0	0	0	0	0	0
0.987735	0.979073	0	0	0	0	0	0
0.884791	0.616279	0.12	0	0	0	0	0
0.854981	0.676155	0.08	0	0	0	0	0
0.992216	0.955043	0	0	0	0	0	0
0.988352	0.955559	0	0	0	0	0	0
0.993899	0.563889	0.23	0	0	0	0	0
0.990879	0.953682	0	0	0	0	0	0
0.993911	0.991229	0	0	0	0	0	0
0.988853	0.964992	0	0	0	0	0	0
0.645154	0.17969	0.11	0	0	0	0	0
0.391985	0.911971	0.26	0	0	0	0	0
0.965194	0.900263	0	0	0	0	0	0
0.974608	0.617066	0.2	0	0	0	0	0
0.898944	0.952982	0	0	0	0	0	0
0.985998	0.98333	0	0	0	0	0	0
0.916589	0.925156	0	0	0	0	0	0
0.982416	0.978892	0	0	0	0	0	0
0.978024	0.911646	0	0	0	0	0	0
0.946526	0.942149	0	0	0	0	0	0
0.005332	0.00999	0	0	0	0	0	0
0.281587	0.735785	0.26	0	0	0	0	0
0.994229	0.996024	0	0	0	0	0	0
0.986778	0.96131	0	0	0	0	0	0
0.255073	0.245514	0	0	0	0	0	0
0.430978	0.045086	0.24	0	0	0	0	0
0.997553	0.995007	0	0	0	0	0	0
0.00717	0.020366	0	0	0	0	0	0
0.947128	0.76922	0	0	0	0	0	0
0.514058	0.291989	0	0	0	0	0	0
0.334116	0.081649	0	0	0	0	0	0
0.934251	0.954235	0	0	0	0	0	0
0.995784	0.992887	0	0	0	0	0	0
0.996175	0.95512	0	0	0	0	0	0
0.883514	0.938786	0	0	0	0	0	0
0.842278	0.633461	0	0	0	0	0	0
0.733769	0.527584	0	0	0	0	0	0
0.842589	0.864894	0	0	0	0	0	0
0.917705	0.938837	0	0	0	0	0	0

0.835417	0.825186	0	0	0	0	0	0
0.895929	0.805517	0.02	0	0	0	0	0
0.969944	0.936292	0	0	0	0	0	0
0.984142	0.935486	0	0	0	0	0	0
0.035801	0.06433	0	0	0	0	0	0
0.996056	0.994984	0	0	0	0	0	0
0.960064	0.987866	0	0	0	0	0	0
0.98709	0.983612	0	0	0	0	0	0
0.455483	0.639307	0	0	0	0	0	0
0.950771	0.707552	0.06	0	0	0	0	0
0.05006	0.043851	0	0	0	0	0	0
0.944104	0.787504	0	0	0	0	0	0
0.99785	0.993967	0	0	0	0	0	0
0.961444	0.96049	0	0	0	0	0	0
0.864937	0.955927	0	0	0	0	0	0
0.985389	0.936536	0.01	0	0	0	0	0
0.33251	0.321176	0	0	0	0	0	0
0.998326	0.996717	0	0	0	0	0	0
0.984981	0.984407	0	0	0	0	0	0
0.990461	0.909436	0.01	0	0	0	0	0
0.973005	0.971503	0	0	0	0	0	0
0.999256	0.999667	0	0	0	0	0	0
0.999146	0.999446	0	0	0	0	0	0
0.999202	0.998266	0	0	0	0	0	0
0.985626	0.979869	0	0	0	0	0	0
0.998945	0.999603	0	0	0	0	0	0
0.998642	0.99959	0	0	0	0	0	0
0.00896	0.006058	0	0	0	0	0	0
0.997218	0.997651	0	0	0	0	0	0
0.003025	0.002141	0	0	0	0	0	0
0.998491	0.998875	0	0	0	0	0	0
0.042398	0.046515	0	0	0	0	0	0
0.953331	0.939116	0	0	0	0	0	0
0.318988	0.315358	0	0	0	0	0	0
0.002384	0.00801	0	0	0	0	0	0
0.999473	0.996303	0	0	0	0	0	0
0.003645	0.003906	0	0	0	0	0	0
0.994295	0.985607	0	0	0	0	0	0
0.992295	0.980582	0	0	0	0	0	0
0.990365	0.993702	0	0	0	0	0	0
0.997339	0.994363	0	0	0	0	0	0
0.998285	0.995715	0	0	0	0	0	0
0.998578	0.999042	0	0	0	0	0	0
0.999085	0.991743	0	0	0	0	0	0
0.998794	0.999699	0	0	0	0	0	0
0.999191	0.999651	0	0	0	0	0	0
0.004347	0.004998	0	0	0	0	0	0

0.002137	0.001481	0	0	0	0	0	0
0.960159	0.956149	0.01	0	0	0	0	0
0.999351	0.999595	0	0	0	0	0	0
0.996503	0.997662	0	0	0	0	0	0
0.88462	0.882955	0	0	0	0	0	0
0.986362	0.997522	0	0	0	0	0	0
0.004281	0.006063	0	0	0	0	0	0
0.991813	0.996588	0	0	0	0	0	0
0.992667	0.995882	0	0	0	0	0	0
0.983732	0.991945	0	0	0	0	0	0
0.004382	0.002711	0	0	0	0	0	0
0.018604	0.013446	0	0	0	0	0	0
0.986132	0.973234	0	0	0	0	0	0
0.996486	0.995619	0	0	0	0	0	0
0.998291	0.997286	0	0	0	0	0	0
0.998647	0.997886	0	0	0	0	0	0
0.998888	0.997754	0	0	0	0	0	0
0.997925	0.996784	0	0	0	0	0	0
0.003238	0.016497	0	0	0	0	0	0
0.998277	0.993161	0	0	0	0	0	0
0.998856	0.998581	0	0	0	0	0	0
0.998421	0.998822	0	0	0	0	0	0
0.005841	0.023457	0	0	0	0	0	0
0.002933	0.004621	0	0	0	0	0	0
0.00165	0.004137	0	0	0	0	0	0
0.99734	0.979167	0	0	0	0	0	1
0.993584	0.986844	0	0	0	0	0	0
0.027582	0.041569	0	0	0	0	0	0
0.997908	0.998512	0	0	0	0	0	0
0.001196	0.001214	0	0	0	0	0	0
0.986896	0.984129	0	0	2	0	0	0
0.974318	0.988249	0	0	0	0	0	0
0.99687	0.993166	0	0	0	0	0	0
0.998	0.99447	0	0	0	0	0	0
0.004763	0.006558	0	0	0	0	0	0
0.99695	0.996852	0	0	0	0	0	0
0.99774	0.995485	0	0	0	0	0	0
0.995227	0.991925	0	0	0	0	0	0
0.99698	0.996316	0	0	0	0	0	0
0.995385	0.96983	0	0	0	0	0	0
0.372304	0.231912	0	0	0	0	0	0
0.990826	0.993636	0	0	0	0	0	0
0.993115	0.989353	0	0	0	0	0	0
0.994849	0.996643	0	0	0	0	0	0
0.983154	0.98	0	0	0	0	0	0
0.02543	0.080039	0	0	0	0	0	0
0.987744	0.984629	0	0	0	0	0	0

0.055776	0.178214	0	0	0	0	0	0
0.027784	0.035224	0	0	0	0	0	0
0.740101	0.482518	0.01	0	0	0	0	0
0.030016	0.026725	0	0	0	0	0	0
0.987746	0.980683	0	0	0	0	0	0
0.913623	0.940211	0	0	0	0	0	0
0.045747	0.060434	0	0	0	0	0	0
0.383665	0.457693	0	0	0	0	0	0
0.941937	0.992208	0	0	0	0	0	0
0.937513	0.993343	0	0	0	0	0	0
0.992799	0.937543	0	0	0	0	0	0
0.994588	0.974896	0	0	0	0	0	0
0.968648	0.857734	0	0	0	0	0	0
0.049736	0.014829	0	0	0	0	0	0
0.976728	0.991474	0	0	0	0	0	0
0.9708	0.99271	0	0	0	0	0	0
0.977168	0.985343	0	0	0	0	0	0
0.968407	0.96681	0	0	0	0	0	0
0.016963	0.011692	0	0	0	0	0	0
0.892806	0.866382	0	0	0	0	0	0
0.986625	0.973682	0	0	0	0	0	0
0.034325	0.029491	0	0	0	0	0	0
0.985945	0.988703	0	0	3	0	0	0
0.993423	0.995953	0	0	0	0	0	0
0.994508	0.997469	0	0	0	0	0	0
0.989987	0.995636	0	0	0	0	0	0
0.983739	0.985253	0	0	0	0	0	0
0.986328	0.96142	0	0	0	0	0	0
0.94499	0.91233	0	4	0	0	7	0
0.788596	0.631259	0	0	0	5	0	0
0.994278	0.978932	0	0	0	0	0	0
0.997137	0.997129	0	0	0	0	0	0
0.006329	0.00362	0	0	0	0	0	0
0.998148	0.993982	0	0	0	0	0	0
0.998947	0.999199	0	0	0	0	0	0
0.957447	0.979594	0	0	0	0	0	0
0.998518	0.987625	0	0	0	0	0	0
0.998718	0.997919	0	0	0	0	0	0
0.999339	0.995052	0	0	0	0	0	0
0.998609	0.997146	0	0	0	0	0	0
0.78179	0.1736	0.53	0	0	0	0	0
0.9653	0.993289	0	0	0	0	0	0
0.975948	0.942366	0	0	0	0	0	0
0.979327	0.981195	0	0	0	0	0	0
0.981426	0.952394	0	0	0	0	0	0
0.511173	0.776405	0	0	0	0	0	0
0.967413	0.940513	0	0	0	0	0	0

0.966316	0.952838	0	0	0	0	0	0
0.008506	0.007837	0	0	0	0	0	0
0.005996	0.009531	0	0	0	0	0	0
0.00348	0.003132	0	0	0	0	0	0
0.993156	0.973921	0	0	0	0	0	0
0.993362	0.98801	0	0	0	0	0	0
0.996244	0.987975	0	0	0	0	0	0
0.995319	0.988562	0	0	0	0	0	0
0.996191	0.991534	0	0	0	0	0	0
0.996112	0.994785	0	0	0	0	0	0
0.995328	0.994474	0	0	0	0	0	0
0.992694	0.983032	0	0	0	0	0	0
0.782887	0.526673	0	0	0	0	0	0
0.98207	0.913494	0	0	0	0	0	0
0.999901	0.999667	0	0	0	0	0	0
0.99793	0.993466	0	0	0	0	0	0
0.99692	0.991881	0	0	0	0	0	0
0.007954	0.012994	0	0	0	0	0	0
0.995976	0.997738	0	0	0	0	0	0
0.999194	0.995502	0	0	0	0	0	0
0.022337	0.047151	0	0	0	0	0	0
0.022192	0.047082	0	0	0	0	0	0
0.990227	0.94942	0	0	0	0	0	0
0.017042	0.030406	0	0	0	0	0	0
0.995594	0.992365	0	0	0	0	0	0
0.023967	0.019306	0	0	0	0	0	0
0.982158	0.980093	0	0	0	0	0	0
0.985837	0.988582	0	0	0	0	0	0
0.992595	0.992218	0	0	0	0	0	0
0.978169	0.954558	0	0	0	0	0	0
0.98101	0.961733	0	0	0	0	0	0
0.980919	0.966356	0	0	0	0	0	0
0.93565	0.961865	0	0	0	0	0	0
0.0008	0.001732	0	0	0	0	0	0
0.978965	0.99241	0	4	0	0	0	0
0.00184	0.004173	0	0	0	0	0	0
0.982915	0.986543	0	0	0	0	0	0
0.916051	0.894916	0.02	0	0	0	0	0
0.993304	0.99023	0	0	0	0	0	0
0.988729	0.993219	0	0	0	0	0	0
0.988031	0.992385	0	0	0	0	4	4
0.053378	0.065867	0	0	0	0	0	0
0.970216	0.939051	0	0	0	0	0	0
0.974773	0.956077	0	0	0	0	0	0
0.974689	0.96431	0	0	0	0	0	0
0.975981	0.945439	0	0	0	0	0	0
0.959247	0.939756	0	0	0	0	0	0

0.968858	0.907944	0	0	0	0	0	0
0.972764	0.954222	0	0	0	0	0	0
0.108569	0.076068	0	0	0	0	0	0
0.035014	0.051448	0	0	0	0	0	0
0.936712	0.980819	0	0	0	0	0	0
0.987583	0.973105	0	0	0	0	0	0
0.985707	0.985542	0	0	0	0	0	0
0.99014	0.98253	0	0	0	0	0	0
0.017144	0.029092	0	0	0	0	0	0
0.990791	0.99316	0	0	0	0	0	0
0.994006	0.993529	0	0	0	0	0	0
0.991182	0.991666	0	0	0	0	0	0
0.364399	0.507823	0	0	0	0	0	0
0.990117	0.989654	0	0	0	0	0	0
0.978057	0.986918	0	0	0	0	0	0
0.992785	0.995332	0	0	0	0	0	0
0.307011	0.193845	0	0	0	0	0	0
0.110662	0.525974	0.23	0	0	0	0	0
0.122903	0.453619	0.17	0	0	0	0	0
0.157594	0.187386	0	0	0	0	0	0
0.04691	0.07148	0	0	0	0	0	0
0.918928	0.960334	0	0	0	0	0	0
0.987389	0.959433	0	0	0	0	0	0
0.987772	0.984169	0	0	0	0	0	0
0.080507	0.081397	0	0	0	0	0	0
0.085956	0.277785	0.03	0	0	0	0	0
0.947476	0.970286	0	0	0	0	0	0
0.938058	0.981038	0	0	0	0	0	0
0.946981	0.953353	0	0	0	0	0	0
0.729032	0.28039	0.18	0	0	0	0	0
0.998887	0.999192	0	0	0	0	0	0
0.999	0.99843	0	0	0	0	0	0
0.999301	0.998106	0	0	0	0	0	0
0.99857	0.994028	0	0	0	0	0	0
0.999329	0.999278	0	0	0	0	0	0
0.784205	0.849308	0.01	0	0	0	0	0
0.976032	0.968538	0.01	0	0	0	0	0
0.99798	0.930481	0.04	0	0	0	0	0
0.913846	0.953902	0	0	0	0	0	0
0.999056	0.94425	0.02	0	0	0	0	0
0.997955	0.851395	0.08	0	0	0	0	0
0.026458	0.052217	0	0	0	0	0	0
0.992153	0.988311	0	0	0	0	0	0
0.919682	0.958068	0	0	0	0	0	0
0.14459	0.198928	0	0	0	0	0	0
0.967228	0.917645	0.01	0	0	0	0	0
0.991907	0.973149	0	0	0	0	0	0

0.993368	0.915235	0.04	0	0	0	0	0
0.981785	0.756679	0.1	0	0	0	0	0
0.01212	0.00554	0	0	0	0	0	0
0.041229	0.172999	0.05	0	0	0	0	0
0.002121	0.003737	0	0	0	0	0	0
0.994041	0.999268	0	0	0	0	0	0
0.011996	0.021129	0	0	0	0	0	0
0.991841	0.996373	0	0	0	0	0	0
0.992533	0.997134	0	0	0	0	0	0
0.02014	0.021835	0	0	0	0	0	0
0.98663	0.938043	0	0	0	0	0	0
0.828689	0.857927	0	0	0	0	0	0
0.992737	0.997173	0	0	0	0	0	0
0.977979	0.916171	0	0	0	0	0	0
0.983639	0.953568	0	0	0	0	0	0
0.98904	0.969333	0	0	0	0	0	0
0.989487	0.982595	0	0	0	0	0	0
0.97931	0.972871	0	0	0	0	0	0
0.985561	0.974189	0	0	0	0	0	0
0.984894	0.971061	0	0	0	0	0	0
0.987205	0.968976	0	0	0	0	0	0
0.99286	0.995338	0	0	0	0	0	0
0.994586	0.99768	0	0	0	0	0	0
0.991367	0.985581	0	0	0	0	0	0
0.942677	0.932609	0	0	0	0	0	0
0.990648	0.978405	0	0	0	0	0	0
0.991259	0.987316	0	0	0	0	0	0
0.965454	0.720324	0.08	0	0	0	0	0
0.988774	0.976002	0	0	0	0	0	0
0.981691	0.97356	0	0	0	0	0	0
0.988922	0.996851	0	0	0	0	0	0
0.991273	0.99791	0	0	0	0	0	0
0.993782	0.999278	0	0	0	0	0	0
0.985456	0.994322	0	0	0	0	0	0
0.98542	0.990518	0	0	0	0	0	0
0.978697	0.994916	0	0	0	0	0	0
0.99205	0.948083	0	0	0	0	0	0
0.994426	0.951945	0	0	0	0	0	0
0.995824	0.966534	0	0	0	0	0	0
0.99433	0.974518	0	0	0	0	0	0
0.995624	0.970333	0	0	0	0	0	0
0.98205	0.989618	0	0	0	0	0	0
0.980782	0.993149	0	0	0	0	0	0
0.04846	0.092377	0	0	0	0	0	0
0.977815	0.996101	0	0	0	0	0	0
0.988929	0.995942	0	0	0	0	0	0
0.986962	0.920332	0	0	0	0	0	0

0.980933	0.986044	0	0	0	0	0	0
0.945739	0.768709	0.06	0	0	0	0	0
0.909007	0.933122	0	0	0	0	0	0
0.640548	0.988899	0.19	0	0	0	0	0
0.566834	0.983431	0.19	0	0	0	0	0
0.67913	0.85787	0	0	0	0	0	0
0.826428	0.986079	0.03	0	0	0	0	0
0.986634	0.992622	0	0	0	0	0	0
0.962251	0.994633	0	0	0	0	0	0
0.965056	0.976278	0	0	0	0	0	0
0.968415	0.991334	0	0	0	0	0	0
0.9626	0.992054	0	0	0	0	0	0
0.98825	0.988067	0	0	0	0	0	0
0.972419	0.970434	0	0	0	0	0	0
0.043994	0.055616	0	0	0	0	0	0
0.995432	0.996543	0	0	0	0	0	0
0.139975	0.505143	0.18	0	0	0	0	0
0.995343	0.994169	0	0	0	0	0	0
0.993337	0.97704	0	0	0	0	0	0
0.99593	0.947888	0	0	0	0	0	0
0.972614	0.896351	0	0	0	0	0	0
0.961868	0.983829	0	0	0	0	0	0
0.9609	0.950852	0	0	0	0	0	0
0.962606	0.939149	0	0	0	0	0	0
0.96937	0.955743	0	0	0	0	0	0
0.969372	0.950488	0	0	0	0	0	0
0.969855	0.971718	0	0	0	0	0	0
0.964981	0.937817	0	0	0	0	0	0
0.042843	0.06728	0	0	0	0	0	0
0.962008	0.936183	0	0	1	0	0	0
0.743687	0.853295	0	0	0	0	0	0
0.054999	0.043427	0	0	0	0	0	0
0.269482	0.360548	0	0	0	0	0	0
0.966018	0.963568	0	0	0	0	0	0
0.18768	0.094921	0	0	0	0	0	0
0.947492	0.899329	0	0	0	0	0	0
0.991334	0.967875	0	0	0	0	0	0
0.989003	0.955877	0	0	0	0	0	0
0.981415	0.952724	0	0	0	0	0	0
0.024189	0.065138	0	0	0	0	0	0
0.993138	0.975846	0	0	0	0	0	0
0.992777	0.965413	0	0	0	0	0	0
0.99043	0.986787	0	0	0	0	0	0
0.992081	0.988135	0	0	0	0	0	0
0.991855	0.965933	0	0	0	0	0	0
0.971476	0.941735	0	0	0	0	0	0
0.988671	0.94112	0	0	0	0	0	0

0.190926	0.178628	0	0	0	0	0	0
0.948023	0.963619	0	0	0	0	0	0
0.03027	0.018467	0	0	0	0	0	0
0.026943	0.047326	0	0	0	0	0	0
0.986805	0.985038	0	0	0	0	0	0
0.966781	0.931956	0	0	0	0	0	0
0.052287	0.164651	0	0	0	0	0	0
0.056817	0.196833	0	0	0	0	0	0
0.994133	0.995617	0	0	0	0	0	0
0.979928	0.977202	0	0	0	0	0	0
0.996991	0.988095	0	0	0	0	0	0
0.996185	0.995013	0	0	0	0	0	0
0.170882	0.174594	0	0	0	0	0	0
0.99808	0.997138	0	0	0	0	0	0
0.998495	0.997497	0	0	0	0	0	0
0.995442	0.988315	0	0	0	0	0	0
0.995995	0.992911	0	0	0	0	0	0
0.650939	0.713856	0	0	0	0	0	0
0.510619	0.592116	0	0	0	0	0	0
0.026641	0.064569	0	0	0	0	0	0
0.893294	0.944287	0	0	0	0	0	0
0.994466	0.944987	0	0	0	0	0	0
0.994265	0.957131	0	0	0	0	0	0
0.995141	0.9624	0	0	0	0	0	0
0.994888	0.957881	0	0	0	0	0	0
0.997082	0.993271	0	0	0	0	0	0
0.996023	0.969868	0	0	0	0	0	0
0.015423	0.056209	0	0	0	0	0	0
0.006747	0.087174	0	0	0	0	0	0
0.995617	0.966123	0	0	0	0	0	0
0.014103	0.052787	0	0	0	0	0	0
0.872749	0.947961	0	0	0	0	0	0
0.936646	0.952958	0	0	0	0	0	0
0.463308	0.327802	0	0	0	0	0	0
0.014413	0.087003	0	0	0	0	0	0
0.940978	0.971384	0	0	0	0	0	0
0.935998	0.897238	0	0	0	0	0	0
0.055089	0.059277	0	0	0	0	0	0
0.826877	0.574318	0	0	0	0	0	0
0.738977	0.308739	0	0	0	0	0	0
0.023188	0.05572	0	0	0	0	0	0
0.13341	0.104484	0	0	0	0	0	0
0.974158	0.96454	0	0	0	0	0	0
0.041032	0.044088	0	0	0	0	0	0
0.976059	0.98257	0	0	0	0	0	0
0.993745	0.993363	0	0	0	0	0	0
0.999464	0.997903	0	0	0	0	0	1

0.998297	0.996791	0	0	0	0	0	0
0.003325	0.001437	0	0	0	0	0	0
0.989703	0.979123	0	0	0	0	0	0
0.021961	0.182077	0.07	0	0	0	0	0
0.997142	0.966988	0.01	0	0	0	0	0
0.322566	0.39771	0	0	0	0	0	0
0.008287	0.019413	0	0	0	0	0	0
0.018409	0.026381	0	0	0	0	0	0
0.991363	0.988246	0	0	0	2	0	0
0.994179	0.984621	0	0	0	0	0	0
0.8043	0.764453	0	0	0	0	0	0
0.83648	0.798141	0	0	0	0	0	0
0.925682	0.885031	0	0	0	0	0	0
0.919907	0.910026	0	0	0	2	0	0
0.967345	0.600765	0.25	0	0	0	0	0
0.795814	0.582385	0.08	0	0	0	5	0
0.990514	0.98981	0	0	0	0	0	0
0.044884	0.037975	0	0	0	0	0	0
0.996777	0.995749	0	0	0	0	0	0
0.997705	0.991884	0	0	0	0	0	0
0.009721	0.044557	0	7	0	0	0	0
0.996562	0.997962	0	0	0	0	0	0
0.99175	0.996183	0	0	0	0	0	0
0.199157	0.059597	0.08	0	0	0	0	7
0.232224	0.1009	0.05	0	0	0	0	0
0.224163	0.076829	0.07	0	0	0	0	0
0.995607	0.993577	0	0	0	0	0	0
0.594754	0.89482	0.23	0	0	0	0	0
0.03226	0.176529	0.04	0	0	0	0	0
0.977577	0.968002	0	0	0	0	0	0
0.060677	0.075807	0	0	0	0	0	0
0.024189	0.034181	0	0	0	0	0	0
0.037611	0.083002	0	0	0	0	0	0
0.022524	0.053023	0	0	0	0	0	0
0.984528	0.988541	0	0	0	0	0	0
0.514194	0.669139	0	0	0	0	0	0
0.017109	0.018239	0	0	0	0	0	0
0.947628	0.899841	0	0	0	0	0	0
0.880212	0.958262	0	0	0	0	0	0
0.851678	0.573247	0.1	0	0	0	0	0
0.991701	0.991119	0	0	0	0	0	0
0.996539	0.967515	0	0	0	0	0	0
0.994848	0.906884	0.04	0	0	0	0	0
0.982764	0.880229	0.02	0	0	0	0	0
0.86307	0.897055	0	0	0	0	0	0
0.76855	0.483547	0	0	0	0	0	0
0.964595	0.816896	0	0	0	0	0	0

0.969137	0.97001	0	0	0	0	0	0
0.969245	0.972085	0	0	0	0	0	0
0.513686	0.575363	0	0	0	0	0	0
0.992142	0.993165	0	0	0	0	0	0
0.017015	0.014597	0	0	0	0	0	0
0.033115	0.211727	0.02	0	0	0	0	0
0.336419	0.468418	0	0	0	0	0	0
0.343463	0.321894	0	0	0	0	0	0
0.127223	0.544568	0.09	0	0	0	0	0
0.983258	0.930795	0	0	0	0	0	0
0.988455	0.938339	0	0	0	0	0	0
0.99637	0.993173	0	0	0	0	0	0
0.603076	0.431552	0	0	0	0	0	0
0.071467	0.083939	0	0	0	0	0	0
0.980618	0.976093	0	0	0	0	0	0
0.987798	0.990817	0	0	0	0	0	0
0.992221	0.895662	0.02	0	0	0	0	0
0.993374	0.99392	0	0	0	0	0	0
0.007901	0.009745	0	0	0	0	0	0
0.017506	0.046063	0	0	0	0	0	0
0.991095	0.969839	0	0	0	0	0	0
0.989797	0.975038	0	0	0	0	0	0
0.995969	0.989462	0	0	0	0	0	0
0.008737	0.08717	0.01	0	0	0	0	0
0.011404	0.120671	0.01	0	0	0	0	0
0.995247	0.992565	0	0	0	0	0	0
0.99599	0.997046	0	0	0	0	0	0
0.998435	0.98635	0	0	0	0	0	0
0.010782	0.015412	0	0	0	0	0	0
0.149724	0.237871	0.01	0	0	0	0	0
0.016142	0.019593	0	0	0	0	0	0
0.997724	0.992964	0	0	0	0	0	0
0.997835	0.995139	0	0	0	0	0	0
0.325768	0.047835	0.14	0	0	0	0	0
0.081093	0.018566	0	0	0	0	0	0
0.996209	0.996891	0	0	0	0	0	0
0.476511	0.240585	0.08	0	0	0	0	0
0.939622	0.977607	0	0	0	0	0	0
0.993518	0.993591	0	0	0	0	0	0
0.995388	0.97468	0	0	0	0	0	0
0.999505	0.997609	0	0	0	0	0	0
0.999738	0.998499	0	0	0	0	0	0
0.031648	0.019152	0	0	0	0	0	0
0.963094	0.987462	0	0	0	0	0	0
0.963295	0.982987	0	0	0	0	0	0
0.999655	0.999605	0	4	0	0	0	0
0.999937	0.999876	0	0	0	0	0	0

0.000438	0.001051	0	0	0	0	0	0
0.999912	0.999916	0	0	0	0	7	7
0.998299	0.999593	0	0	0	0	0	0
0.996946	0.998843	0	0	0	0	0	0
0.993178	0.983097	0	0	0	0	0	0
0.992516	0.995578	0	0	0	0	0	0
0.981104	0.952796	0	0	0	0	0	0
0.944896	0.941226	0	0	0	0	0	0
0.912698	0.955473	0	0	0	0	0	0
0.951849	0.942619	0	0	0	0	0	0
0.943469	0.942423	0	0	0	0	0	0
0.995515	0.997014	0	0	0	0	0	0
0.997669	0.9984	0	0	0	0	0	0
0.998244	0.999094	0	0	0	0	0	0
0.998431	0.999182	0	0	0	0	0	0
0.996738	0.997365	0	0	0	0	0	0
0.997004	0.997735	0	0	0	0	0	0
0.998567	0.999264	0	0	0	0	0	0
0.013687	0.010442	0	0	0	0	0	0
0.998955	0.991838	0	0	5	0	0	0
0.99889	0.998817	0	0	3	0	0	0
0.986786	0.986625	0	17	0	0	0	0
0.97275	0.947489	0	0	0	0	0	0
0.937154	0.933496	0	0	0	0	0	0
0.983915	0.982919	0	0	0	0	0	0
0.970078	0.862299	0	0	0	0	0	0
0.970604	0.948609	0	0	0	0	0	0
0.486873	0.815498	0.18	0	0	0	0	0
0.022952	0.023629	0	0	0	0	0	0
0.010315	0.006222	0	0	0	0	0	0
0.011678	0.067742	0.01	0	0	0	0	0
0.917228	0.127473	0.72	0	0	0	0	0
0.995023	0.986365	0	0	0	0	0	0
0.997427	0.980663	0	0	0	0	0	0
0.995599	0.979632	0	0	0	0	0	0
0.995958	0.960244	0	0	0	0	0	0
0.977157	0.940935	0	0	0	0	0	0
0.93168	0.716652	0.06	0	0	0	0	0
0.136737	0.24886	0	0	0	0	0	0
0.995475	0.969139	0	0	0	0	0	0
0.964738	0.963577	0	0	0	0	0	0
0.816696	0.960847	0.04	0	0	0	0	0
0.997145	0.998435	0	0	0	0	5	2
0.007395	0.002955	0	0	0	0	0	0
0.01199	0.002776	0	0	0	0	0	0
0.037415	0.029509	0	0	0	0	0	0
0.974339	0.989681	0	0	0	0	0	0

0.988284	0.980934	0	0	0	0	0	0
0.991496	0.981152	0	0	0	0	0	0
0.991945	0.968638	0	0	0	0	0	0
0.985442	0.979671	0	0	0	0	0	0
0.984149	0.991767	0	0	0	0	0	0
0.984997	0.996161	0	0	0	0	0	0
0.952192	0.984426	0	0	0	0	0	0
0.985845	0.970435	0	0	0	0	0	0
0.989216	0.976327	0	0	0	0	0	0
0.0404	0.056775	0	0	0	0	0	0
0.959452	0.922962	0	0	0	0	0	0
0.972413	0.948532	0	0	0	0	0	0
0.985805	0.981492	0	0	0	0	0	0
0.994416	0.986413	0	0	0	0	0	0
0.996564	0.988324	0	0	0	0	0	0
0.991173	0.986171	0	0	0	0	0	0
0.97624	0.969796	0	0	0	0	0	0
0.978842	0.996883	0	0	0	0	0	0
0.103965	0.093927	0	0	0	0	0	0
0.996862	0.935779	0	0	0	0	14	14
0.005284	0.029831	0	6	0	0	0	0
0.997407	0.994521	0	6	0	0	0	0
0.996917	0.994253	0	0	0	0	0	0
0.99011	0.945698	0	0	0	0	0	0
0.01663	0.039403	0	0	0	0	0	0
0.98457	0.981163	0	0	0	0	0	0
0.968919	0.984579	0	0	0	0	0	0
0.989475	0.993122	0	0	0	0	0	0
0.98225	0.29619	0.54	0	0	0	1	0
0.834813	0.403363	0.21	0	0	0	2	2
0.255963	0.35288	0	0	0	0	0	0
0.317097	0.401344	0	0	0	0	0	0
0.00589	0.016855	0	0	0	0	0	0
0.99458	0.848546	0.06	0	0	0	0	0
0.999497	0.995976	0	0	0	0	0	0
0.999279	0.975778	0	0	0	0	0	0
0.005081	0.00716	0	0	0	0	0	0
0.997084	0.988492	0	0	0	0	0	0
0.999419	0.9908	0	0	0	0	0	0
0.999199	0.995171	0	0	0	0	0	0
0.858777	0.854769	0	0	0	0	0	0
0.318294	0.412536	0	0	0	0	0	0
0.903447	0.894566	0	0	0	0	0	0
0.832344	0.446085	0.24	0	0	0	0	0
0.066528	0.092734	0	0	0	0	0	0
0.989663	0.925878	0	0	0	0	0	0
0.054912	0.066474	0	0	0	0	0	0

0.281018	0.591795	0.13	0	0	0	0	0
0.806219	0.983008	0.02	0	0	0	0	0
0.969813	0.966983	0	0	0	0	0	0
0.976911	0.96786	0	0	0	0	0	0
0.972068	0.968525	0	0	0	0	0	0
0.897944	0.896534	0	0	0	0	0	0
0.9633	0.991008	0	0	0	0	0	0
0.26855	0.184059	0	0	0	0	0	0
0.982499	0.982299	0	0	0	0	0	0
0.99924	0.999378	0	0	0	0	0	0
0.982086	0.963359	0.02	0	0	0	0	0
0.968423	0.9436	0.01	0	0	0	0	0
0.048211	0.064693	0	0	0	0	0	0
0.056527	0.050812	0	0	0	0	0	0
0.97662	0.975707	0	0	0	0	0	0
0.028479	0.042348	0	0	0	0	0	0
0.012721	0.023923	0	0	0	0	0	0
0.987393	0.989401	0	0	0	0	0	0
0.012772	0.030551	0	0	0	0	0	0
0.996129	0.991649	0	0	0	0	0	0
0.919096	0.890091	0	0	0	0	0	0
0.993188	0.990259	0	0	0	0	0	0
0.987072	0.970102	0	0	0	0	0	0
0.022177	0.033978	0	0	0	0	0	0
0.300454	0.169482	0.06	0	0	0	0	0
0.001885	0.00353	0	0	0	0	0	0
0.001229	0.002903	0	0	0	0	0	0
0.985388	0.965376	0	0	0	0	0	0
0.974146	0.994022	0	0	0	0	0	0
0.976964	0.9911	0	0	0	0	0	0
0.008402	0.030322	0	1	6	6	4	4
0.009036	0.062328	0.02	0	0	0	0	0
0.00407	0.011153	0	0	0	0	0	0
0.998426	0.994014	0	0	0	0	0	0
0.996443	0.991611	0	0	0	0	0	0
0.996389	0.994164	0	0	0	0	0	0
0.010426	0.032915	0	0	0	0	0	0
0.902271	0.904907	0	0	0	0	0	0
0.981098	0.945146	0	0	0	0	0	0
0.976528	0.96753	0	0	0	0	0	0
0.997114	0.975811	0	0	0	0	0	0
0.994944	0.956005	0.01	0	0	0	0	0
0.997058	0.989236	0	0	0	0	0	0
0.879322	0.774411	0	0	0	0	0	0
0.987223	0.967086	0	0	0	0	0	0
0.972803	0.984919	0	0	0	0	0	0
0.07495	0.043466	0	0	0	0	0	0

0.962076	0.705227	0.03	0	0	0	0	0
0.952069	0.924851	0	0	0	0	0	0
0.945152	0.964117	0	0	0	0	0	0
0.056417	0.07397	0	0	0	0	0	0
0.970923	0.965339	0	0	0	0	0	0
0.980085	0.978617	0	0	0	0	0	0
0.025733	0.01746	0	0	0	0	0	0
0.984377	0.974026	0	0	0	0	0	0
0.936126	0.97616	0	0	0	0	0	0
0.973188	0.863385	0	0	0	0	0	0
0.991463	0.992156	0	0	0	0	0	0
0.989661	0.988859	0	0	0	0	0	0
0.985115	0.983336	0	0	0	0	0	0
0.991082	0.987316	0	0	0	0	0	0
0.981688	0.987262	0	0	0	0	0	0
0.961681	0.986815	0	0	0	0	0	0
0.022003	0.038463	0	0	0	0	0	0
0.013791	0.029781	0	0	0	0	0	0
0.015526	0.00931	0	0	0	0	0	0
0.99512	0.991132	0	0	0	0	0	0
0.993097	0.989783	0	0	0	0	0	0
0.01421	0.010401	0	0	0	0	0	0
0.997171	0.998088	0	0	0	0	0	0
0.00572	0.003327	0	0	0	0	0	0
0.008251	0.012948	0	0	0	0	0	0
0.994996	0.994212	0	0	0	0	0	0
0.996657	0.994196	0	0	0	0	0	0
0.996942	0.98756	0	0	0	0	0	0
0.990974	0.997058	0	0	0	0	0	0
0.993027	0.995843	0	0	0	0	0	0
0.992764	0.998188	0	0	0	0	0	0
0.991481	0.9981	0	0	0	0	0	0
0.988827	0.995274	0	0	0	0	0	0
0.991874	0.997197	0	0	0	0	0	0
0.989618	0.997795	0	0	0	0	0	0
0.992075	0.907424	0.03	0	0	0	0	0
0.98415	0.988827	0	0	0	0	0	0
0.035769	0.026448	0	0	0	0	0	0
0.403821	0.534534	0	0	0	0	0	0
0.008132	0.004723	0	0	0	0	0	0
0.998958	0.998407	0	0	0	0	0	0
0.99874	0.997556	0	0	0	0	0	0
0.996175	0.997414	0	0	0	0	0	0
0.917817	0.932538	0	0	0	0	0	0
0.023879	0.017425	0	0	0	0	0	0
0.983019	0.986303	0	0	0	0	0	0
0.986155	0.981533	0	0	0	0	0	0

0.987644	0.987764	0	0	0	0	0	0
0.094855	0.062358	0	0	0	0	0	0
0.983476	0.988099	0	0	0	0	0	0
0.980436	0.989415	0	0	0	0	0	0
0.986354	0.993725	0	0	0	0	0	0
0.992774	0.997939	0	0	0	0	0	0
0.006674	0.011423	0	0	0	0	0	0
0.988807	0.994993	0	0	0	0	0	0
0.00481	0.002674	0	0	0	0	0	0
0.993736	0.947712	0.02	0	0	0	1	0
0.28645	0.102866	0.11	0	0	0	0	0
0.665772	0.877871	0.12	0	0	0	0	0
0.975107	0.973389	0	0	0	0	0	0
0.039491	0.101373	0	0	0	0	0	0
0.983489	0.980458	0	0	0	0	0	0
0.016307	0.055328	0	0	0	0	0	0
0.993136	0.989798	0	0	0	0	0	0
0.012	0.005755	0	0	0	0	0	0
0.995171	0.98662	0	0	0	0	0	0
0.973776	0.98361	0	0	0	0	0	0
0.034394	0.018785	0	0	0	0	0	0
0.999495	0.999549	0	0	0	0	0	0
0.011136	0.021454	0	0	0	0	0	0
0.006491	0.011028	0	0	0	0	0	0
0.994724	0.989231	0	0	0	0	0	0
0.793045	0.653941	0	0	0	0	0	0
0.997137	0.984299	0	0	0	0	0	0
0.99547	0.996209	0	0	0	0	0	0
0.975258	0.912508	0	0	0	0	0	0
0.991603	0.984282	0	0	0	0	0	0
0.97544	0.912194	0	0	0	0	0	0
0.991058	0.993836	0	0	0	0	0	0
0.993696	0.993776	0	0	0	0	0	0
0.991327	0.985217	0	0	0	0	0	0
0.97648	0.967277	0	0	0	0	0	0
0.975685	0.982111	0	0	0	0	0	0
0.980844	0.95246	0	0	0	0	0	0
0.025726	0.043262	0	0	0	0	0	0
0.856584	0.951651	0	0	0	0	0	0
0.993378	0.991943	0	0	0	0	0	0
0.027575	0.011082	0	0	0	0	0	0
0.966393	0.942136	0	0	0	0	0	0
0.322732	0.280982	0	0	0	0	0	0
0.995112	0.992645	0	0	0	0	0	0
0.016861	0.045062	0	0	0	0	0	0
0.992318	0.994525	0	0	0	0	0	0
0.996514	0.994457	0	0	0	0	0	0

0.99613	0.988901	0	0	0	0	0	0
0.990637	0.974193	0	0	0	0	0	0
0.984301	0.990845	0	0	0	0	0	0
0.995413	0.995001	0	0	0	0	0	0
0.995755	0.992929	0	0	0	0	0	0
0.950903	0.771766	0.07	0	0	0	0	0
0.997503	0.991444	0	0	0	0	0	0
0.996497	0.993182	0	0	0	0	0	0
0.993009	0.98806	0	0	0	0	0	0
0.997545	0.995107	0	0	0	0	0	0
0.004252	0.009557	0	0	0	0	0	0
0.9627	0.965907	0	0	0	0	0	0
0.9976	0.991735	0	0	0	0	0	0
0.997263	0.991301	0	0	0	0	0	0
0.95989	0.991832	0	0	0	0	0	0
0.992082	0.990973	0	0	0	0	0	0
0.991009	0.977777	0	0	0	0	0	0
0.996709	0.993895	0	0	0	0	0	0
0.987477	0.994826	0	0	0	0	0	0
0.989515	0.995882	0	0	0	0	0	0
0.991211	0.987735	0	0	0	0	0	0
0.975158	0.991678	0	0	0	0	0	0
0.994053	0.9838	0	0	0	0	0	0
0.991867	0.995708	0	0	0	0	0	0
0.994688	0.998083	0	0	0	0	0	0
0.984431	0.965115	0	0	0	0	0	0
0.994844	0.996181	0	0	0	0	0	0
0.999054	0.999085	0	0	0	0	0	0
0.876201	0.937119	0.01	0	0	0	0	0
0.053957	0.210853	0.08	0	0	0	0	0
0.014974	0.011421	0	0	0	0	0	0
0.046189	0.084328	0	0	0	0	0	0
0.985693	0.949973	0	0	0	0	0	0
0.934776	0.946127	0	0	0	0	0	0
0.916078	0.938376	0	0	0	0	0	0
0.886009	0.946098	0	0	0	0	0	0
0.861179	0.946413	0	0	0	0	0	0
0.978444	0.849966	0.02	0	0	0	0	0
0.98373	0.900947	0	0	0	0	0	0
0.973304	0.984494	0	0	0	0	0	0
0.993585	0.989528	0	0	0	0	0	0
0.002031	0.001767	0	0	0	0	0	0
0.969316	0.979643	0	0	0	0	0	0
0.989578	0.982286	0	0	0	0	0	0
0.993023	0.99162	0	0	0	0	0	0
0.99376	0.990791	0	0	0	0	0	0
0.983063	0.979765	0	0	0	0	0	0

0.988263	0.996723	0	0	0	0	0	0
0.992607	0.985441	0	0	0	0	0	0
0.056374	0.120204	0	0	0	0	0	0
0.990092	0.917981	0.02	0	0	0	0	0
0.993868	0.997069	0	0	0	0	0	0
0.99718	0.997226	0	0	0	0	0	0
0.998744	0.99596	0	0	0	0	0	0
0.992126	0.984416	0.01	0	0	0	0	0
0.994252	0.991872	0	0	0	0	0	0
0.995555	0.9942	0	0	0	0	0	0
0.966535	0.889964	0	0	0	0	0	0
0.976291	0.92429	0	0	0	0	0	0
0.981001	0.965355	0	0	0	0	0	0
0.985243	0.97245	0	0	0	0	0	0
0.980873	0.948547	0	0	0	0	0	0
0.980283	0.969767	0	0	0	0	0	0
0.976541	0.974529	0	0	0	0	0	0
0.97924	0.982129	0	0	0	0	0	0
0.975151	0.916995	0	0	0	0	0	0
0.945477	0.92091	0	0	0	0	0	0
0.96754	0.882032	0	0	0	0	0	0
0.95305	0.969203	0	0	0	0	0	0
0.941077	0.958013	0	0	0	0	0	0
0.950427	0.962919	0	0	0	0	0	0
0.113745	0.087276	0	0	0	0	0	0
0.954089	0.95774	0	0	0	0	0	0
0.989801	0.963696	0	0	0	0	0	0
0.990125	0.981983	0	0	0	0	0	0
0.983851	0.985068	0	0	0	0	0	0
0.987518	0.970186	0	0	0	0	0	0
0.984991	0.982475	0	0	0	0	0	0
0.930433	0.906041	0	0	0	0	0	0
0.934914	0.974587	0	0	0	0	0	0
0.889291	0.803905	0	0	0	0	0	0
0.957833	0.977077	0	0	0	0	0	0
0.774153	0.769831	0	0	0	0	0	0
0.841266	0.833949	0	0	0	0	0	0
0.957414	0.82875	0	0	0	0	0	0
0.955582	0.873196	0	0	0	0	0	0
0.047574	0.010089	0	0	0	0	0	0
0.978759	0.992612	0	0	0	0	0	0
0.043854	0.00592	0	0	0	0	0	0
0.979287	0.997401	0	0	0	0	0	0
0.968667	0.996985	0	0	0	0	0	0
0.977574	0.980081	0	0	0	0	0	0
0.979857	0.963148	0	0	0	0	0	0
0.966423	0.987653	0	0	0	0	0	0

0.052039	0.05933	0	0	0	0	0	0
0.984097	0.99124	0	0	0	0	0	0
0.041937	0.109869	0	0	0	0	0	0
0.96319	0.967554	0	0	0	0	0	0
0.934162	0.976581	0	0	1	0	0	0
0.930782	0.777281	0	0	0	0	0	0
0.086679	0.030583	0	0	0	0	0	0
0.969588	0.987821	0	0	0	0	0	0
0.958744	0.987181	0	0	0	0	0	0
0.963214	0.978023	0	0	0	0	0	0
0.974914	0.98613	0	0	0	0	0	0
0.989403	0.998164	0	0	0	0	0	0
0.047445	0.060867	0	0	0	0	0	0
0.997346	0.992714	0	0	0	0	0	0
0.002002	0.013724	0	0	0	0	0	0
0.992471	0.844006	0.11	0	0	4	0	0
0.128463	0.263835	0.04	0	0	0	0	0
0.027333	0.387306	0.2	0	0	0	0	0
0.746382	0.952309	0	0	0	0	0	0
0.984586	0.720668	0.13	0	0	0	0	0
0.913505	0.956331	0	0	0	0	0	0
0.985442	0.943876	0	0	0	0	0	0
0.994044	0.957329	0	0	0	0	0	0
0.954114	0.962803	0	0	0	0	0	0
0.887318	0.684621	0	0	0	0	0	0
0.954826	0.907189	0	0	0	0	0	0
0.959985	0.960384	0	0	0	0	0	0
0.961206	0.963082	0	0	0	0	0	0
0.949958	0.923815	0	0	0	0	0	0
0.015959	0.014716	0	0	0	0	0	0
0.993776	0.981271	0	0	0	0	0	0
0.969461	0.970636	0	0	0	0	0	0
0.966963	0.972111	0	0	0	0	0	0
0.991885	0.975293	0	0	0	0	0	0
0.940606	0.922638	0	0	0	0	0	0
0.988234	0.995063	0	0	0	0	0	0
0.993878	0.984827	0	0	0	0	0	0
0.988499	0.982192	0	0	0	0	0	0
0.945116	0.281559	0.41	0	1	0	0	0
0.992059	0.981525	0	0	0	0	0	0
0.018092	0.030892	0	0	0	0	0	0
0.978597	0.945502	0	0	0	0	0	0
0.486101	0.789688	0.03	0	0	0	0	0
0.997051	0.994266	0	0	0	0	0	0
0.996766	0.994125	0	0	0	0	0	0
0.993428	0.963301	0	0	0	0	0	0
0.98904	0.978258	0	0	0	0	0	0

0.984904	0.989312	0	0	0	0	0	0
0.973037	0.989845	0	0	0	0	0	0
0.908681	0.114198	0.58	0	0	0	0	0
0.993552	0.994102	0	0	0	0	0	0
0.037815	0.127208	0	0	0	0	0	0
0.994694	0.994607	0	0	0	0	0	0
0.992997	0.995105	0	0	0	0	0	0
0.989657	0.990504	0	0	0	0	0	0
0.069167	0.143665	0	0	0	0	0	0
0.989214	0.976807	0	0	0	0	0	0
0.9854	0.992491	0	0	0	0	0	0
0.007178	0.005889	0	0	0	0	0	0
0.984374	0.973858	0	0	0	0	0	0
0.9929	0.983186	0	0	0	0	0	0
0.971778	0.993663	0	0	0	0	0	0
0.841761	0.968787	0.03	0	0	0	0	0
0.994965	0.986219	0	0	0	0	0	0
0.990125	0.985884	0	0	0	0	0	0
0.991745	0.988663	0	0	0	0	0	0
0.081743	0.266567	0	0	0	0	0	0
0.992335	0.987819	0	0	0	0	0	0
0.992356	0.929318	0	0	0	0	0	0
0.992041	0.994386	0	0	0	0	0	0
0.991578	0.994828	0	0	0	0	0	0
0.018883	0.009541	0	0	0	0	0	0
0.984855	0.940091	0	0	0	0	0	0
0.011119	0.006849	0	0	0	0	0	0
0.009906	0.009506	0	0	0	0	0	0
0.011897	0.008468	0	0	0	0	0	0
0.16477	0.034204	0.02	0	0	0	0	0
0.991925	0.972111	0	0	0	0	0	0
0.984037	0.983481	0	0	0	0	0	0
0.990222	0.991187	0	0	0	0	0	0
0.992305	0.96683	0	0	0	0	0	0
0.993256	0.996335	0	0	0	0	0	0
0.945224	0.89078	0	0	0	0	0	0
0.977242	0.96691	0	0	0	0	0	0
0.962039	0.942937	0	0	0	0	0	0
0.9729	0.977089	0	0	0	0	0	0
0.959207	0.978908	0	0	0	0	0	0
0.949437	0.884279	0	0	0	0	0	0
0.968361	0.786736	0.02	0	0	0	0	0
0.276968	0.106493	0	0	0	0	0	0
0.177869	0.05886	0	0	0	0	0	0
0.935467	0.950847	0	0	0	0	0	0
0.853222	0.942758	0	0	0	0	0	0
0.923567	0.899281	0	0	0	0	0	0

0.95366	0.963177	0	0	0	0	0	0
0.949135	0.943661	0	0	0	0	0	0
0.937204	0.941875	0	0	0	0	0	0
0.955266	0.967757	0	0	0	0	0	0
0.065101	0.072164	0	0	0	0	0	0
0.984444	0.985348	0	0	0	0	0	0
0.025977	0.026726	0	0	0	0	0	0
0.979937	0.986476	0	0	0	0	0	0
0.989455	0.994261	0	0	0	0	0	0
0.126488	0.56042	0.23	0	0	0	0	0
0.985502	0.984721	0	0	0	0	0	0
0.263368	0.22075	0	0	0	0	0	0
0.002025	0.00062	0	0	0	0	0	0
0.00493	0.016774	0	0	0	0	0	0
0.005709	0.036245	0.01	0	0	0	0	0
0.619156	0.646851	0	0	0	0	0	0
0.004616	0.045736	0.01	0	0	0	0	0
0.081461	0.150805	0.02	0	0	0	0	0
0.012453	0.051841	0	0	0	0	0	0
0.992754	0.984398	0	0	0	0	0	0
0.12524	0.102953	0	0	0	0	0	0
0.979895	0.942296	0	0	0	0	0	0
0.99186	0.958048	0	0	0	0	0	0
0.038201	0.057206	0	0	0	0	0	0
0.044866	0.04541	0	0	0	0	0	0
0.995114	0.970208	0	0	0	0	0	0
0.994598	0.745671	0.09	0	0	0	0	0
0.030737	0.038143	0	0	0	0	0	0
0.992458	0.896807	0	0	0	0	0	0
0.980562	0.953066	0	0	0	0	0	0
0.981721	0.861125	0	0	0	0	0	0
0.990133	0.988842	0	0	0	0	0	0
0.987434	0.988961	0	0	0	0	0	0
0.996298	0.98368	0	0	0	0	0	0
0.021137	0.085883	0	0	0	0	0	0
0.988793	0.978426	0	0	0	0	0	0
0.978353	0.95303	0	0	0	0	0	0
0.993475	0.998163	0	0	0	0	0	0
0.992195	0.994761	0	0	0	0	0	0
0.996749	0.997263	0	0	0	0	0	0
0.04873	0.045159	0	0	0	0	0	0
0.029362	0.065233	0	0	0	0	0	0
0.997482	0.993097	0	0	0	0	0	0
0.997697	0.998754	0	0	0	0	0	0
0.017954	0.009549	0	0	0	0	0	0
0.207305	0.0388	0.06	0	0	0	0	0
0.025027	0.006108	0	0	0	0	0	0

0.980201	0.624648	0.28	0	0	0	0	0
0.939937	0.446554	0.39	0	0	0	0	0
0.996944	0.996226	0	0	4	0	0	0
0.997153	0.993375	0	0	0	0	0	0
0.995757	0.984192	0	0	0	0	0	0
0.98378	0.992802	0	0	0	0	0	0
0.014552	0.014873	0	0	0	0	0	0
0.994395	0.993465	0	0	0	0	0	0
0.955243	0.987256	0	0	0	0	0	0
0.038008	0.046919	0	0	0	0	0	0
0.014091	0.024012	0	0	0	0	0	0
0.012071	0.006829	0	0	0	0	0	0
0.977629	0.971714	0	0	0	0	0	0
0.992043	0.986041	0	0	0	0	0	0
0.84114	0.983941	0.01	0	0	0	0	0
0.997691	0.999201	0	0	0	0	0	0
0.970591	0.976139	0	0	0	0	0	0
0.985242	0.95758	0	0	0	0	0	0
0.993271	0.990954	0	0	0	0	0	0
0.997924	0.989871	0	0	0	0	0	0
0.989571	0.980644	0	0	0	0	0	0
0.946324	0.835661	0	0	0	0	0	0
0.995908	0.961674	0	0	0	0	0	0
0.997355	0.951339	0	0	0	0	0	0
0.994991	0.985657	0	0	0	0	0	0
0.995846	0.992863	0	0	0	0	0	0
0.011593	0.040944	0	0	0	0	0	0
0.995802	0.991327	0	0	0	0	0	0
0.010692	0.029581	0	0	0	0	0	0
0.995127	0.984262	0	0	0	0	0	0
0.032226	0.032888	0	0	0	0	0	0
0.417551	0.790849	0.27	0	0	0	0	0
0.019377	0.097367	0.02	0	0	0	0	0
0.998031	0.998804	0	0	0	0	0	0
0.994932	0.996982	0	0	0	0	0	0
0.993079	0.982591	0	0	0	0	0	0
0.469759	0.458126	0	0	0	0	0	0
0.635987	0.210196	0.3	0	5	4	0	0
0.629803	0.116496	0.36	0	5	0	6	0
0.060421	0.058402	0	0	5	0	0	0
0.977684	0.969986	0	0	0	0	0	0
0.989865	0.965483	0	0	0	0	0	0
0.984707	0.949388	0	0	0	0	0	0
0.901708	0.93903	0	0	0	0	0	0
0.019406	0.015511	0	0	0	0	0	0
0.986253	0.982565	0	0	0	0	0	0
0.988064	0.978324	0	0	0	0	0	0

0.993898	0.981565	0	0	0	0	0	0
0.990997	0.989717	0	0	0	0	0	0
0.985789	0.979426	0	0	0	0	0	0
0.967181	0.967646	0	0	0	0	0	0
0.99199	0.98996	0	0	0	0	0	0
0.993724	0.991231	0	0	0	0	0	0
0.993693	0.992568	0	0	0	0	0	0
0.989987	0.969894	0	0	0	0	0	0
0.991258	0.973674	0	0	0	0	0	0
0.992693	0.981141	0	0	0	0	0	0
0.992718	0.989473	0	0	0	0	0	0
0.993143	0.989912	0	0	0	0	0	0
0.99183	0.986141	0	0	0	0	0	0
0.992546	0.983711	0	0	0	0	0	0
0.993284	0.988057	0	0	0	0	0	0
0.978031	0.864151	0	0	0	0	0	0
0.993232	0.951439	0	0	0	0	0	0
0.992161	0.920172	0	0	0	0	0	0
0.951295	0.771666	0.02	0	0	0	0	0
0.976609	0.987461	0	0	0	0	0	0
0.971449	0.963769	0	0	0	0	0	0
0.985422	0.969437	0	0	0	0	0	0
0.984355	0.943737	0	0	0	0	0	0
0.023603	0.062093	0	0	0	0	0	0
0.960397	0.962906	0	0	0	0	0	0
0.862334	0.862245	0	0	0	0	0	0
0.977113	0.980007	0	0	0	0	0	0
0.968729	0.950528	0	0	0	0	0	0
0.98119	0.978121	0	0	0	0	0	0
0.680633	0.953292	0.07	0	0	0	0	0
0.990372	0.988346	0	0	0	0	0	0
0.031241	0.034507	0	0	0	0	0	0
0.029681	0.038296	0	0	0	0	0	0
0.977367	0.974263	0	0	0	0	0	0
0.873626	0.326655	0.24	0	0	0	0	0
0.649631	0.437647	0	0	0	0	0	0
0.01901	0.033727	0	0	0	0	0	0
0.993538	0.997783	0	0	0	0	0	0
0.996686	0.999469	0	0	0	0	0	0
0.807281	0.102457	0.64	0	0	0	0	0
0.921012	0.028132	0.8	0	0	7	20	5
0.894246	0.051091	0.69	0	0	13	5	8
0.754217	0.914145	0.04	0	0	0	0	0
0.847589	0.966988	0.04	0	0	0	0	0
0.95967	0.871149	0	0	0	0	0	0
0.982239	0.990462	0	0	0	0	0	0
0.982234	0.886115	0	0	0	0	0	0

0.039107	0.042077	0	0	0	0	0	0
0.988089	0.920784	0	0	0	0	0	0
0.993731	0.962486	0	0	0	0	6	5
0.989878	0.962346	0	0	0	0	0	0
0.982646	0.945746	0	0	0	0	0	0
0.990502	0.952845	0	0	0	0	0	0
0.994108	0.990865	0	0	0	0	0	0
0.991746	0.947048	0	0	0	0	0	0
0.981256	0.990794	0	0	0	0	0	0
0.986836	0.978563	0	0	0	0	0	0
0.965219	0.953926	0	0	0	0	0	0
0.992379	0.993018	0	0	0	0	0	0
0.018151	0.064969	0	0	0	0	0	0
0.022509	0.02679	0	0	0	0	0	0
0.039617	0.038231	0	0	0	0	0	0
0.99537	0.996561	0	0	0	0	0	0
0.995777	0.997256	0	0	0	0	0	0
0.01056	0.019292	0	0	0	0	0	0
0.65289	0.89428	0.13	0	0	0	0	0
0.985181	0.767184	0.14	0	0	0	0	0
0.986712	0.885235	0.03	0	0	0	0	0
0.991886	0.986429	0	0	0	0	0	0
0.986742	0.984241	0	0	0	0	0	0
0.9791	0.973936	0	0	0	0	0	0
0.993483	0.97914	0	0	0	0	0	0
0.99469	0.993174	0	0	0	0	0	0
0.995572	0.994745	0	0	0	0	0	0
0.963834	0.971523	0	0	0	0	0	0
0.993526	0.990337	0	0	0	0	0	0
0.963013	0.843484	0.05	0	0	0	0	0
0.962403	0.958083	0	0	0	0	0	0
0.960371	0.934453	0	0	0	0	0	0
0.968613	0.983223	0	0	0	0	0	0
0.95418	0.969824	0	0	0	0	0	0
0.980228	0.970463	0	0	0	0	0	0
0.984405	0.960814	0	0	0	0	0	0
0.984774	0.983468	0	0	0	0	0	0
0.991544	0.992963	0	0	0	0	0	0
0.98202	0.939479	0	0	0	0	0	0
0.982789	0.982503	0	0	0	0	0	0
0.986002	0.972521	0	0	0	0	0	0
0.035391	0.06913	0	0	0	0	0	0
0.974123	0.965296	0	0	0	0	0	0
0.959107	0.964755	0	0	0	0	0	0
0.9774	0.989861	0	0	0	0	0	0
0.968731	0.994383	0	0	0	0	0	0
0.79328	0.865184	0	0	0	0	0	0

0.980917	0.963036	0	0	0	0	0	0
0.957119	0.993308	0	0	0	0	0	0
0.045951	0.075316	0	0	0	0	0	0
0.973584	0.955805	0	0	0	0	0	0
0.965199	0.951198	0	0	0	0	0	0
0.956797	0.965499	0	0	0	0	0	0
0.966588	0.962101	0	0	0	0	0	0
0.983722	0.945602	0	0	0	0	0	0
0.983329	0.947982	0	0	0	0	0	0
0.990809	0.850518	0.01	0	0	0	0	0
0.978926	0.965523	0	0	0	0	0	0
0.110898	0.039057	0	0	0	0	0	0
0.989351	0.93807	0	0	0	0	0	0
0.986378	0.97631	0	0	0	0	0	0
0.994141	0.97913	0	0	0	0	0	0
0.994405	0.936056	0	0	0	0	0	0
0.988027	0.965799	0	0	0	0	0	0
0.202064	0.117064	0	0	0	0	0	0
0.421733	0.714576	0	0	0	0	0	0
0.992472	0.970039	0	0	0	0	0	0
0.992792	0.964554	0	0	0	0	0	0
0.986277	0.916801	0	0	0	0	0	0
0.940508	0.936661	0	0	0	0	0	0
0.940807	0.923072	0	0	0	0	0	0
0.957013	0.974766	0	0	0	0	0	0
0.942968	0.976188	0	0	0	0	0	0
0.944835	0.975426	0	0	0	0	0	0
0.944986	0.97749	0	0	0	0	0	0
0.988466	0.996155	0	0	0	0	0	0
0.99726	0.985895	0	0	0	0	0	0
0.997556	0.975488	0	0	0	0	0	0
0.002761	0.010122	0	0	0	0	0	0
0.992881	0.990314	0	0	3	0	0	0
0.819258	0.955663	0	0	0	0	0	0
0.973208	0.951826	0	0	0	0	0	0
0.903475	0.975844	0	0	0	0	0	0
0.956546	0.945007	0	0	0	0	0	0
0.96183	0.953272	0	0	0	0	0	0
0.962348	0.969233	0	0	0	0	0	0
0.950767	0.902304	0	0	0	0	0	0
0.938006	0.963939	0	0	0	0	0	0
0.944907	0.970348	0	0	0	0	0	0
0.954847	0.757294	0	0	0	0	0	0
0.015908	0.011386	0	0	0	0	0	0
0.097323	0.160778	0	0	0	0	0	0
0.985068	0.986535	0	0	0	0	0	0
0.992062	0.989306	0	0	0	2	0	0

0.991429	0.946951	0	0	0	0	0	0
0.995768	0.597419	0.31	0	0	0	0	0
0.990466	0.587601	0.29	0	0	3	0	0
0.980876	0.97857	0	0	0	0	0	0
0.99625	0.946915	0.01	0	0	0	0	0
0.986624	0.949349	0	0	0	0	0	0
0.98299	0.981203	0	0	0	0	0	0
0.991303	0.979094	0	0	0	0	0	0
0.023764	0.060525	0	0	0	0	0	0
0.98328	0.994405	0	0	0	0	4	4
0.032424	0.040538	0	0	0	0	0	0
0.9922	0.985881	0	0	0	0	0	0
0.955812	0.988267	0	0	0	0	0	0
0.984953	0.964548	0	0	0	0	0	0
0.989574	0.975827	0	0	0	0	0	0
0.995225	0.990713	0	0	0	0	0	0
0.331785	0.33239	0	0	0	0	0	0
0.994609	0.995798	0	0	0	0	0	0
0.994133	0.996976	0	0	0	0	0	0
0.996717	0.998349	0	0	0	0	0	0
0.99285	0.996324	0	0	0	2	0	0
0.938627	0.956831	0	0	0	0	0	0
0.987501	0.991118	0	0	0	0	0	0
0.995558	0.996383	0	0	0	0	0	0
0.013485	0.026938	0	0	0	0	0	0
0.592895	0.358178	0	0	0	0	0	0
0.035156	0.047409	0	0	0	0	0	0
0.989354	0.890136	0	0	0	0	0	0
0.983612	0.966821	0	0	0	0	0	0
0.030835	0.104669	0	0	0	0	0	0
0.499453	0.384429	0	0	0	0	0	0
0.991113	0.979298	0	0	0	0	0	0
0.985411	0.966909	0	0	0	0	0	0
0.950462	0.969195	0	0	0	0	0	0
0.964465	0.990137	0	0	0	0	0	0
0.936362	0.971302	0	0	0	0	0	0
0.952475	0.863459	0	0	0	0	0	0
0.958767	0.950074	0	0	0	0	0	0
0.946744	0.97735	0	0	0	0	0	0
0.97783	0.980604	0	0	0	0	0	0
0.987678	0.941611	0	0	0	0	0	0
0.018517	0.034496	0	0	0	0	0	0
0.971227	0.992525	0	0	0	0	0	0
0.01026	0.02095	0	0	0	0	0	0
0.996491	0.855325	0.06	0	3	0	0	0
0.996678	0.906817	0.03	0	3	0	0	0
0.003041	0.007665	0	0	0	0	0	0

0.998634	0.998262	0	0	0	0	0	0
0.995787	0.9681	0	0	0	0	0	0
0.997035	0.969036	0	0	0	0	0	0
0.983276	0.963062	0	0	0	0	0	0
0.830837	0.894327	0	0	0	0	0	0
0.043355	0.203209	0.02	0	0	0	0	0
0.854124	0.405054	0.23	0	0	0	0	0
0.993714	0.737196	0.13	0	0	0	0	0
0.422827	0.583966	0	0	0	0	0	0
0.982943	0.893424	0	0	0	0	0	0
0.941594	0.91239	0	0	0	0	0	0
0.622651	0.911446	0	0	0	0	0	0
0.006152	0.004073	0	0	0	4	0	0
0.021469	0.013257	0	0	0	0	0	0
0.984545	0.977719	0	0	0	0	0	0
0.46874	0.086761	0.18	0	0	0	0	0
0.104376	0.476933	0.27	0	0	0	0	0
0.856605	0.343551	0.4	0	0	0	0	0
0.99723	0.995716	0	0	0	0	0	0
0.842855	0.932952	0.02	0	0	0	0	0
0.033123	0.029705	0	0	0	0	0	0
0.098633	0.084709	0	0	0	0	0	0
0.972129	0.962763	0	0	0	0	0	0
0.978811	0.981507	0	0	0	0	0	0
0.979761	0.989992	0	0	0	0	0	0
0.905939	0.955608	0	0	0	0	0	0
0.936382	0.870118	0	0	0	0	0	0
0.993247	0.966756	0	0	0	0	0	0
0.01779	0.042825	0	0	0	0	0	0
0.995855	0.980391	0	0	0	0	0	0
0.97952	0.968766	0	0	0	0	0	0
0.96311	0.982015	0	0	0	0	0	0
0.503783	0.382042	0	0	0	0	0	0
0.460858	0.401674	0	0	0	0	0	0
0.011555	0.02362	0	0	0	0	0	0
0.269388	0.220827	0	0	0	0	0	0
0.02325	0.015405	0	0	0	0	0	0
0.752147	0.717512	0	0	0	0	0	0
0.649914	0.787077	0	0	0	0	0	0
0.66159	0.933836	0.04	0	0	0	0	0
0.990447	0.998218	0	0	0	1	2	2
0.970084	0.766736	0.03	0	0	0	0	0
0.966151	0.832966	0.06	0	0	0	0	0
0.007263	0.091914	0.04	0	0	0	0	0
0.986804	0.988808	0	0	0	0	0	0
0.981419	0.986677	0	0	0	0	0	0
0.980507	0.988426	0	0	0	0	0	0

0.984644	0.990937	0	0	0	0	0	0
0.982764	0.993864	0	0	0	0	0	0
0.979745	0.987614	0	0	0	0	0	0
0.976931	0.990393	0	0	0	0	0	0
0.973941	0.991791	0	0	0	0	0	0
0.983166	0.99463	0	0	0	0	0	0
0.985253	0.995348	0	0	0	0	0	0
0.982016	0.989684	0	0	0	0	0	0
0.985397	0.995735	0	0	0	0	0	0
0.986812	0.989552	0	0	0	0	0	0
0.984356	0.989723	0	0	0	0	0	0
0.981139	0.986825	0	0	0	0	0	0
0.980738	0.978142	0	0	0	0	0	0
0.98185	0.981049	0	0	0	0	0	0
0.983392	0.982651	0	0	0	0	0	0
0.985862	0.988224	0	0	0	0	0	0
0.997446	0.963645	0.01	0	0	0	0	0
0.997875	0.996768	0	0	0	0	3	3
0.029505	0.02709	0	0	0	0	0	0
0.109196	0.111322	0	0	0	0	0	0
0.99448	0.998	0	0	0	0	0	0
0.067525	0.027312	0	0	0	0	8	8
0.996775	0.996709	0	0	0	1	0	0
0.016848	0.184127	0.04	1	0	0	0	0
0.089293	0.264961	0.05	1	0	0	0	0
0.997999	0.99901	0	0	0	0	0	0
0.079597	0.372224	0.18	0	0	0	0	0
0.995796	0.99418	0	0	0	0	0	0
0.996165	0.995213	0	0	0	0	0	0
0.005614	0.012444	0	0	0	0	0	0
0.998184	0.999118	0	0	3	8	0	0
0.025557	0.013158	0	0	0	0	0	0
0.99338	0.990397	0	0	0	0	0	0
0.98275	0.980588	0	0	0	0	0	0
0.020621	0.021128	0	0	0	0	0	0
0.98984	0.994811	0	0	0	0	0	0
0.052364	0.05898	0	0	0	0	0	0
0.012851	0.033927	0	0	0	0	0	0
0.990096	0.997236	0	0	0	0	0	0
0.01426	0.005967	0	0	0	0	0	0
0.012218	0.031271	0	0	0	0	0	0
0.992247	0.991568	0	0	0	0	0	0
0.986582	0.537382	0.35	0	0	0	0	0
0.99279	0.948781	0	0	0	0	0	0
0.981698	0.993034	0	0	0	0	0	0
0.990318	0.995095	0	0	0	0	0	0
0.990155	0.996107	0	0	0	0	0	0

0.990063	0.995354	0	0	0	0	0	0
0.990341	0.918488	0.02	0	0	0	0	0
0.984524	0.974578	0	0	0	0	0	0
0.816547	0.699288	0	0	0	0	0	0
0.955184	0.47409	0.36	0	0	0	0	0
0.008146	0.010305	0	0	0	0	0	0
0.990987	0.993794	0	0	0	0	0	0
0.008213	0.005169	0	0	0	0	0	0
0.989672	0.978826	0	0	0	0	0	0
0.988626	0.995706	0	0	0	0	5	2
0.964487	0.998666	0	0	0	0	0	0
0.024907	0.102391	0	0	0	0	0	0
0.989748	0.885604	0.02	0	0	0	0	0
0.986122	0.719343	0.11	0	0	0	0	0
0.992235	0.986611	0	0	0	0	0	0
0.009235	0.012468	0	0	0	0	0	0
0.007816	0.007634	0	0	0	0	0	0
0.993867	0.934939	0.02	0	0	0	0	0
0.700163	0.812928	0	0	0	0	0	0
0.992351	0.905843	0.01	0	0	0	0	0
0.076852	0.017953	0	0	0	0	0	0
0.977544	0.990604	0	0	0	0	0	0
0.964199	0.9936	0	0	0	0	0	0
0.419188	0.459472	0	0	0	0	0	0
0.920482	0.991642	0	0	0	0	0	0
0.998455	0.990054	0	0	25	14	4	4
0.088636	0.34994	0.21	0	17	17	11	11
0.008336	0.045983	0.01	0	25	9	6	0
0.012527	0.015259	0	4	0	12	0	0
0.042118	0.063867	0	4	0	4	0	0
0.963877	0.973693	0	0	0	0	0	0
0.308593	0.585221	0	0	0	0	0	0
0.939023	0.965985	0	0	0	0	0	0
0.426636	0.662696	0.11	0	0	0	0	0
0.916279	0.795539	0	0	1	0	0	0
0.964445	0.989616	0	0	0	0	0	0
0.986669	0.998457	0	0	0	0	0	0
0.073755	0.075697	0	0	0	0	0	0
0.982427	0.820023	0	0	0	0	0	0
0.053155	0.077974	0	0	0	0	0	0
0.996458	0.99415	0	0	0	0	0	0
0.997613	0.997199	0	0	0	0	0	0
0.997303	0.991566	0	0	0	0	0	0
0.953772	0.603142	0.17	0	0	0	0	0
0.991424	0.847909	0.06	0	0	0	0	0
0.873341	0.624302	0.07	0	0	0	0	0
0.037092	0.06277	0	0	0	0	0	0

0.042076	0.088118	0	0	0	0	0	0
0.991144	0.98758	0	0	0	0	0	0
0.652659	0.741451	0	0	0	0	0	0
0.509033	0.636171	0	0	0	0	0	0
0.521449	0.674461	0	0	0	0	0	0
0.383666	0.37689	0	0	0	0	0	0
0.923445	0.982062	0	0	0	0	0	0
0.991038	0.967896	0	0	0	0	0	0
0.986042	0.98644	0	0	0	0	0	0
0.20723	0.591602	0.22	0	0	0	0	0
0.950653	0.62613	0.19	0	0	0	0	0
0.004822	0.021201	0	0	0	0	0	0
0.084887	0.242012	0	0	0	0	0	0
0.278416	0.27806	0	0	0	0	0	0
0.993343	0.960011	0	0	0	0	0	0
0.996499	0.996291	0	0	0	0	0	0
0.997951	0.997102	0	0	0	0	0	0
0.005639	0.005974	0	0	0	0	0	0
0.934884	0.982207	0	0	0	0	0	0
0.938817	0.939803	0	0	0	0	0	0
0.075495	0.076857	0	0	0	0	0	0
0.519051	0.507834	0	0	0	0	0	0
0.959563	0.940297	0	0	0	0	0	0
0.976306	0.882363	0	0	0	0	0	0
0.972783	0.966153	0	0	0	0	0	0
0.983785	0.961455	0	0	0	0	0	0
0.99632	0.979313	0	0	0	0	0	0
0.002206	0.006175	0	0	0	0	0	0
0.001957	0.001855	0	0	0	0	0	0
0.000711	0.000815	0	0	4	0	0	0
0.990477	0.982388	0	0	2	0	0	0
0.989323	0.978636	0	0	2	0	0	0
0.991956	0.983814	0	0	0	0	0	0
0.972941	0.968077	0	0	0	0	1	1
0.943599	0.823726	0.05	0	4	2	0	0
0.031386	0.13664	0.06	0	24	2	0	0
0.990556	0.981844	0	0	24	0	0	0
0.582802	0.524598	0	0	0	0	0	0
0.184353	0.083908	0	0	0	0	0	0
0.92136	0.88399	0	0	0	0	0	0
0.933804	0.90599	0	0	0	0	0	0
0.886423	0.848192	0	0	0	0	0	0
0.355084	0.689359	0	0	0	0	0	0
0.312247	0.208014	0	0	0	0	0	0
0.98832	0.991602	0	0	0	0	0	0
0.974824	0.989137	0	0	0	0	0	0
0.986191	0.991218	0	0	0	0	0	0

0.987482	0.995038	0	0	0	0	0	0
0.973205	0.985473	0	0	0	0	0	0
0.959498	0.762979	0.02	0	0	0	0	0
0.961513	0.782353	0.02	0	0	0	0	0
0.978152	0.964422	0	0	0	0	0	0
0.999083	0.986577	0	0	0	0	0	0
0.997888	0.994059	0	0	0	0	0	0
0.982591	0.964238	0	0	0	0	0	0
0.930224	0.970582	0	0	0	0	0	0
0.068122	0.182291	0	0	0	0	0	0
0.981612	0.962099	0	0	0	0	0	0
0.956522	0.983263	0	0	0	0	0	0
0.926893	0.944372	0	0	0	0	0	0
0.988841	0.991736	0	0	0	0	0	0
0.966828	0.983794	0	0	0	0	0	0
0.044215	0.120779	0	0	0	0	0	0
0.042142	0.078863	0	0	0	0	0	0
0.953982	0.979167	0	0	0	0	0	0
0.940324	0.929288	0	0	0	0	0	0
0.996409	0.978129	0	0	0	0	0	0
0.828033	0.735223	0	0	0	0	0	0
0.983285	0.863151	0.01	0	0	0	0	0
0.993345	0.98202	0	0	0	0	0	0
0.992165	0.980282	0	0	0	0	0	0
0.075663	0.135956	0	0	0	0	0	0
0.016578	0.030756	0	0	0	0	0	0
0.990043	0.995147	0	0	0	0	0	0
0.202683	0.120671	0	0	0	0	0	0
0.973962	0.806953	0	0	0	0	0	0
0.971205	0.870453	0	0	0	0	0	0
0.990119	0.996031	0	0	0	0	0	0
0.969781	0.973046	0	0	0	0	0	0
0.978717	0.720199	0.08	0	0	0	0	0
0.882384	0.922435	0	0	0	0	0	0
0.968058	0.790997	0.01	0	0	0	0	0
0.920371	0.879001	0	0	0	0	0	0
0.979115	0.987203	0	0	0	0	0	0
0.986534	0.978929	0	0	0	0	0	0
0.946367	0.963655	0	0	0	0	0	0
0.99671	0.997318	0	0	0	0	0	0
0.995579	0.997627	0	0	0	0	0	0
0.007175	0.007491	0	0	0	0	0	0
0.934492	0.847677	0.02	0	0	0	0	0
0.962163	0.946462	0	0	0	0	0	0
0.97478	0.978598	0	0	0	0	0	0
0.979937	0.924594	0	0	0	0	0	0
0.982684	0.961278	0	0	0	0	0	0

0.998036	0.996662	0	0	0	0	0	0
0.985777	0.982817	0	0	0	0	0	0
0.942978	0.951943	0	0	0	0	0	0
0.967735	0.975847	0	0	0	0	0	0
0.977081	0.948096	0	0	4	0	0	0
0.984006	0.982259	0	0	0	0	0	0
0.985893	0.96825	0	0	0	0	0	0
0.988341	0.983841	0	0	0	0	0	0
0.990614	0.991888	0	0	0	0	0	0
0.972318	0.94314	0	0	0	0	0	0
0.9813	0.961826	0	0	0	0	0	0
0.068562	0.076759	0	0	0	0	0	0
0.994593	0.994032	0	0	0	0	0	0
0.99504	0.996686	0	0	0	0	0	0
0.014702	0.004733	0	0	0	4	0	0
0.971898	0.997673	0	0	0	0	0	0
0.515522	0.525616	0	0	0	0	0	0
0.606705	0.965955	0.26	0	0	2	0	0
0.063184	0.018648	0	0	0	0	0	0
0.027168	0.103337	0.01	0	0	0	0	0
0.013283	0.00916	0	0	0	0	0	0
0.91698	0.90891	0	0	0	0	0	0
0.988351	0.996896	0	0	3	0	0	0
0.977682	0.97617	0	0	0	0	0	0
0.009987	0.018462	0	0	0	0	0	0
0.614845	0.654133	0	0	0	0	0	0
0.331199	0.476989	0	0	0	0	0	0
0.350315	0.358843	0	0	0	0	0	0
0.934453	0.633421	0.09	0	0	0	0	0
0.945737	0.279568	0.41	0	0	0	0	0
0.99873	0.998535	0	0	0	0	0	0
0.997711	0.997679	0	0	0	0	0	0
0.005504	0.004835	0	0	0	0	0	0
0.998775	0.996228	0	0	0	0	0	0
0.009362	0.044045	0	0	0	0	0	0
0.995905	0.98712	0	0	0	0	0	0
0.997231	0.996547	0	0	0	0	0	0
0.909425	0.982536	0	0	0	0	0	0
0.042251	0.018176	0	0	0	0	0	0
0.983209	0.990887	0	0	0	0	0	0
0.937483	0.950621	0	0	0	0	0	0
0.036147	0.037757	0	0	0	0	0	0
0.984037	0.939786	0	0	0	0	0	0
0.977904	0.989146	0	0	0	0	0	0
0.982709	0.981226	0	0	0	0	0	0
0.979003	0.9763	0	0	0	0	0	0
0.948622	0.872053	0	0	0	0	0	0

0.977869	0.940976	0	0	0	0	0	0
0.932212	0.827968	0	0	0	0	0	0
0.920135	0.931971	0	0	0	0	0	0
0.960207	0.943766	0	0	0	0	0	0
0.09622	0.04117	0	0	0	0	0	0
0.995022	0.975481	0	0	0	0	0	0
0.994869	0.980257	0	0	0	0	0	0
0.988296	0.943602	0	0	0	0	0	0
0.988828	0.953669	0	0	0	0	0	0
0.986814	0.961472	0	0	0	0	0	0
0.024079	0.108281	0	0	0	0	0	0
0.989212	0.997897	0	0	0	0	0	0
0.992276	0.9925	0	0	0	0	0	0
0.987932	0.994017	0	0	0	0	0	0
0.989966	0.992768	0	0	0	0	0	0
0.05322	0.010517	0	0	0	0	0	0
0.969357	0.975013	0	0	0	0	0	0
0.994925	0.98634	0	0	0	0	0	0
0.984383	0.975348	0	0	0	0	0	0
0.733429	0.242892	0.17	0	0	0	0	0
0.967442	0.976033	0	0	0	0	0	0
0.964047	0.993224	0	0	0	0	0	0
0.971732	0.992095	0	0	0	0	0	0
0.974928	0.988239	0	0	0	0	0	0
0.994476	0.945181	0.01	0	0	0	0	0
0.960606	0.985697	0	0	0	0	0	0
0.971414	0.834972	0	0	0	0	0	0
0.993173	0.982002	0	0	0	0	0	0
0.961183	0.932647	0	0	0	0	0	0
0.025088	0.010257	0	0	0	0	0	0
0.044652	0.057643	0	0	0	0	0	0
0.944381	0.985758	0	0	0	0	0	0
0.966256	0.94369	0	0	0	0	0	0
0.963523	0.95642	0	0	0	0	0	0
0.967352	0.911917	0	0	0	0	0	0
0.967773	0.989867	0	0	0	0	0	0
0.924835	0.904153	0	0	0	0	0	0
0.965956	0.976456	0	0	0	0	0	0
0.926229	0.964985	0	0	0	0	0	0
0.98765	0.975856	0	0	0	0	0	0
0.995407	0.989186	0	0	0	0	0	0
0.00916	0.01857	0	0	0	0	0	0
0.979278	0.92808	0	0	0	0	0	0
0.996856	0.992124	0	0	0	0	0	0
0.079568	0.337344	0.15	0	0	0	0	0
0.152472	0.179193	0	0	0	0	0	0
0.98787	0.963985	0	0	0	0	0	0

0.032029	0.051341	0	0	0	0	0	0
0.990942	0.981716	0	0	0	0	0	0
0.992705	0.981795	0	0	0	0	0	0
0.988089	0.976727	0	0	0	0	0	0
0.015618	0.056302	0	0	0	0	0	0
0.987885	0.978247	0	0	0	0	0	0
0.926073	0.961592	0	0	0	0	0	0
0.996401	0.823145	0.09	0	0	0	0	0
0.997047	0.944125	0.01	0	0	0	0	0
0.996539	0.931612	0.02	0	0	0	0	0
0.965128	0.949548	0	0	0	0	0	0
0.999121	0.998563	0	0	0	0	0	0
0.998608	0.998322	0	0	0	0	0	0
0.991327	0.956324	0	0	0	0	0	0
0.110627	0.12794	0	0	0	0	0	1
0.991521	0.989388	0	0	0	0	0	0
0.992088	0.938679	0	0	0	0	0	0
0.99269	0.981778	0	0	0	0	0	0
0.993482	0.994642	0	0	0	0	0	0
0.987538	0.975218	0	0	0	0	0	0
0.180029	0.234833	0	0	0	0	1	1
0.988533	0.905168	0	0	0	0	0	0
0.991183	0.986449	0	0	0	0	0	0
0.990845	0.986923	0	0	0	0	0	0
0.990433	0.986733	0	0	0	0	0	0
0.962981	0.939582	0	0	0	0	0	0
0.965091	0.930677	0	0	0	0	0	0
0.983803	0.981577	0	0	0	0	0	0
0.975395	0.922443	0	0	0	0	0	0
0.061646	0.038729	0	0	0	0	0	0
0.033192	0.062195	0	0	0	0	0	0
0.051701	0.056673	0	0	0	0	0	0
0.966476	0.98339	0	0	0	0	0	0
0.985917	0.988223	0	0	0	0	0	0
0.032713	0.029914	0	0	0	0	0	0
0.017972	0.109433	0	0	0	0	0	0
0.971519	0.992823	0	0	0	0	0	0
0.999128	0.992822	0	0	0	0	0	0
0.99017	0.998159	0	0	0	0	0	0
0.91069	0.818603	0	0	0	0	0	0
0.974825	0.985068	0	0	0	0	0	0
0.973141	0.985221	0	0	0	0	0	0
0.991822	0.975375	0	0	0	0	0	0
0.996849	0.992044	0	0	0	0	0	0
0.989005	0.986444	0	0	0	0	0	0
0.013089	0.050156	0	0	0	0	0	0
0.009992	0.015237	0	0	0	0	0	0

0.982848	0.989685	0	0	0	0	0	0
0.987986	0.978522	0	0	0	0	0	0
0.995886	0.994063	0	0	0	0	0	0
0.988055	0.978854	0	0	0	0	0	0
0.98996	0.951129	0	0	0	0	0	0
0.993273	0.996539	0	0	0	0	0	0
0.993458	0.996319	0	0	0	0	0	0
0.992533	0.998113	0	0	0	0	0	0
0.986893	0.995387	0	0	0	0	0	0
0.036422	0.057	0	0	0	0	0	0
0.98987	0.987923	0	0	0	0	0	0
0.959447	0.923534	0	0	0	0	0	0
0.52861	0.775891	0	0	0	0	0	0
0.994075	0.987415	0	0	0	0	0	0
0.994957	0.929384	0.01	0	0	0	0	0
0.97798	0.951659	0	0	0	0	0	0
0.028667	0.021989	0	0	0	0	0	0
0.953552	0.83342	0	0	0	0	0	0
0.987749	0.987397	0	0	0	0	0	0
0.987508	0.981648	0	0	0	0	0	0
0.965948	0.889351	0	0	0	0	0	0
0.045895	0.065375	0	0	0	0	0	0
0.9818	0.968422	0	0	0	0	0	0
0.986951	0.974457	0	0	0	0	0	0
0.997386	0.991964	0	0	0	0	0	0
0.997409	0.996243	0	0	0	0	0	0
0.987764	0.971612	0	0	0	0	0	0
0.984164	0.98122	0	0	0	0	0	0
0.984588	0.984233	0	0	0	0	0	0
0.912133	0.943707	0	0	0	0	0	0
0.981087	0.937383	0	0	0	0	0	0
0.979482	0.936408	0	0	0	0	0	0
0.983342	0.967738	0	0	2	2	0	0
0.989303	0.988147	0	0	0	0	0	0
0.977475	0.757254	0	0	0	0	0	0
0.033664	0.053751	0	0	0	0	0	0
0.953182	0.427327	0.24	0	0	0	0	0
0.989008	0.9711	0	0	0	0	0	0
0.991993	0.813598	0.06	0	0	0	0	0
0.956878	0.953155	0	0	0	0	0	0
0.945946	0.954128	0	0	0	0	0	0
0.950511	0.871369	0	0	0	0	0	0
0.97278	0.959978	0	0	0	0	0	0
0.959274	0.972156	0	0	0	0	0	0
0.970454	0.926959	0	0	0	0	0	0
0.971697	0.97152	0	0	0	0	0	0
0.995732	0.995128	0	0	0	0	0	0

0.991826	0.989376	0	0	0	0	0	0
0.017844	0.020151	0	0	0	0	0	0
0.41174	0.426879	0	0	0	0	0	0
0.220345	0.171145	0	0	0	0	0	0
0.984907	0.984183	0	0	0	0	0	0
0.948735	0.949139	0	0	0	0	0	0
0.963792	0.961077	0	0	0	0	0	0
0.908439	0.924644	0	0	0	0	0	0
0.993951	0.994304	0	0	0	0	0	0
0.977096	0.968776	0	0	0	0	0	0
0.01266	0.015168	0	0	0	0	0	0
0.991188	0.979944	0	0	0	0	0	0
0.994114	0.983238	0	0	0	0	0	0
0.993992	0.984183	0	0	0	0	0	0
0.988742	0.988747	0	0	0	0	0	0
0.995496	0.958996	0	0	4	4	0	0
0.97573	0.925181	0	0	0	0	0	0
0.997885	0.780445	0.05	0	0	0	0	1
0.872967	0.789964	0	0	0	0	0	0
0.991479	0.956438	0	0	0	0	0	0
0.820934	0.431165	0.13	0	0	0	0	0
0.869517	0.947098	0	0	0	0	0	0
0.933713	0.94034	0	0	0	0	0	0
0.95581	0.822597	0	0	0	0	0	0
0.996263	0.638556	0.23	0	0	0	0	0
0.993878	0.979387	0	0	0	0	0	0
0.990634	0.95468	0	0	0	0	0	0
0.974198	0.941467	0	0	0	0	0	0
0.98116	0.99457	0	0	0	0	0	0
0.992105	0.984368	0	0	0	0	0	0
0.031741	0.030738	0	0	0	0	0	0
0.979936	0.978042	0	0	0	0	0	0
0.88407	0.705496	0	0	0	0	0	0
0.982039	0.9778	0	0	0	0	0	0
0.983883	0.977584	0	0	0	0	0	0
0.990825	0.972996	0	0	0	0	0	0
0.991181	0.950934	0	0	0	0	0	0
0.990169	0.99068	0	0	0	0	0	0
0.937036	0.806852	0	0	0	0	0	0
0.773329	0.812169	0	0	0	0	0	0
0.97447	0.972815	0	0	0	0	0	0
0.956842	0.856737	0	0	0	0	0	0
0.96892	0.953895	0	0	0	0	0	0
0.094362	0.067733	0	0	0	0	0	0
0.99307	0.983293	0	0	0	0	0	0
0.140524	0.290303	0	0	0	1	0	0
0.986793	0.977693	0	0	0	0	0	0

0.976916	0.981298	0	0	0	0	0	0
0.991181	0.981414	0	0	0	0	0	0
0.588561	0.324214	0	0	0	0	0	0
0.249351	0.089683	0	0	0	0	0	0
0.184541	0.261153	0	0	0	0	0	0
0.038856	0.029453	0	0	0	0	0	0
0.984382	0.98963	0	0	0	0	0	0
0.988938	0.989012	0	0	0	0	0	0
0.98367	0.984485	0	0	0	0	0	0
0.082192	0.065944	0	0	0	0	0	0
0.029447	0.021635	0	0	0	0	0	0
0.981896	0.954392	0	0	0	0	0	0
0.982969	0.95848	0	0	0	0	0	0
0.011625	0.016985	0	0	0	0	0	0
0.996388	0.978722	0	0	0	0	0	0
0.017528	0.029967	0	0	0	0	0	0
0.972247	0.979944	0	0	0	0	0	0
0.951131	0.670376	0.16	0	0	0	0	0
0.961181	0.744268	0.12	0	0	0	0	0
0.994446	0.988275	0	0	0	0	0	0
0.91568	0.973504	0	0	0	0	0	0
0.994391	0.995147	0	0	0	0	0	0
0.995859	0.988929	0	0	0	0	0	0
0.364987	0.11039	0.03	0	0	0	0	0
0.993474	0.962163	0	0	0	0	0	0
0.983374	0.991856	0	0	0	0	0	0
0.954322	0.731389	0.07	0	0	0	0	0
0.934983	0.693149	0	0	0	0	0	0
0.96896	0.916284	0	0	0	0	0	0
0.978694	0.917076	0	0	0	0	0	0
0.984956	0.920653	0	0	0	0	0	0
0.986126	0.949659	0	0	0	0	0	0
0.998311	0.99623	0	0	0	0	5	5
0.001473	0.050324	0.03	0	3	0	0	0
0.936999	0.95645	0	0	0	0	0	0
0.949569	0.949223	0	0	0	0	0	0
0.938983	0.958142	0	0	0	0	0	0
0.961882	0.925668	0	0	0	0	0	0
0.552672	0.170505	0.19	0	0	0	0	0
0.007782	0.059942	0	0	0	0	0	0
0.996619	0.990278	0	0	0	0	0	0
0.987135	0.976667	0	0	0	0	0	0
0.032081	0.062295	0	0	0	0	0	0
0.991799	0.943534	0	0	0	0	0	0
0.986141	0.98821	0	0	0	0	3	3
0.019427	0.049604	0	0	0	0	0	0
0.017851	0.108514	0	0	0	0	0	0

0.988943	0.983652	0	0	0	0	0	0
0.897675	0.941997	0	0	0	0	0	0
0.006279	0.008848	0	0	0	0	0	0
0.986544	0.992426	0	0	0	0	0	0
0.959025	0.98285	0	0	0	0	0	0
0.99489	0.992851	0	0	0	0	0	0
0.996174	0.99788	0	0	0	0	0	0
0.024915	0.050984	0	0	0	0	0	0
0.998219	0.995971	0	0	0	0	0	0
0.998122	0.997519	0	0	0	0	0	0
0.994722	0.994406	0	0	0	0	0	0
0.035252	0.193769	0.06	0	0	0	0	0
0.687963	0.345076	0.24	0	0	0	1	3
0.418654	0.043965	0.29	3	0	4	9	9
0.992936	0.994381	0	0	0	0	0	0
0.997833	0.996387	0	0	0	0	0	0
0.999333	0.999438	0	0	0	0	0	0
0.998951	0.999611	0	0	0	0	0	0
0.987009	0.946824	0.01	0	0	0	0	0
0.986952	0.997313	0	0	0	0	0	0
0.973272	0.957091	0	0	0	0	0	0
0.947629	0.949308	0	0	0	0	0	0
0.977507	0.973904	0	0	0	0	0	0
0.956703	0.969175	0	0	0	0	0	0
0.04119	0.035603	0	0	0	0	0	0
0.938827	0.96532	0	0	0	0	0	0
0.967229	0.962486	0	0	0	0	0	0
0.995074	0.97967	0	0	0	0	0	0
0.994765	0.996426	0	0	0	0	0	0
0.955235	0.870222	0	0	0	0	0	0
0.088755	0.157049	0	0	0	0	0	0
0.019739	0.112269	0.02	0	0	0	0	0
0.991702	0.958181	0	0	0	0	0	0
0.954676	0.866155	0	0	0	0	0	0
0.997176	0.984623	0	0	0	0	0	0
0.919402	0.778059	0.01	0	0	0	0	0
0.997592	0.990273	0	0	0	0	0	0
0.995348	0.982613	0	0	0	0	0	0
0.427696	0.29011	0	0	0	0	0	0
0.960327	0.970677	0	0	0	0	0	0
0.916677	0.941719	0	0	0	0	0	0
0.917723	0.722911	0	0	0	0	0	0
0.971856	0.989563	0	0	0	0	0	0
0.046796	0.061692	0	0	0	0	0	0
0.955547	0.935893	0	0	0	0	0	0
0.124857	0.308276	0	0	0	0	0	0
0.955139	0.97277	0	0	0	0	0	0

0.957414	0.981196	0	0	0	0	0	0
0.966935	0.983839	0	0	0	0	0	0
0.980612	0.901543	0	0	0	0	0	0
0.977826	0.903468	0	0	0	0	0	0
0.7473	0.246093	0.08	0	0	0	0	0
0.975156	0.944618	0	0	0	0	0	0
0.981809	0.932078	0	0	0	0	0	0
0.981631	0.945334	0	0	0	0	0	0
0.983085	0.95319	0	0	0	0	0	0
0.916223	0.990089	0	0	0	0	0	0
0.984082	0.944586	0	0	0	0	0	0
0.975489	0.894539	0	0	4	4	0	0
0.614589	0.953321	0.16	0	0	0	0	0
0.996926	0.979589	0	0	0	0	0	0
0.995073	0.928757	0.01	0	0	0	0	0
0.998843	0.99842	0	0	0	0	0	0
0.675197	0.330719	0.24	0	0	0	0	0
0.085096	0.157289	0	0	0	0	0	0
0.076902	0.056512	0	0	0	0	0	0
0.274703	0.229248	0	0	0	0	0	0
0.971085	0.92454	0	0	0	0	0	0
0.031285	0.072972	0	0	0	0	0	0
0.981259	0.970634	0	0	0	0	0	0
0.992074	0.950488	0	0	0	0	0	0
0.935482	0.91623	0	0	0	0	0	0
0.99645	0.885845	0.02	0	0	0	0	0
0.964059	0.977294	0	0	0	0	0	0
0.988435	0.983302	0	0	0	0	0	0
0.984451	0.970118	0	0	0	0	0	0
0.983724	0.955431	0	0	0	0	0	0
0.988557	0.959925	0	0	0	0	0	0
0.979275	0.909687	0	0	0	0	0	0
0.988848	0.979385	0	0	0	0	0	0
0.024745	0.015744	0	0	0	0	0	0
0.980514	0.990983	0	0	0	0	0	0
0.882242	0.883474	0	0	0	0	0	0
0.047728	0.026381	0	0	0	0	0	0
0.171067	0.752122	0.41	0	0	0	0	0
0.972598	0.99577	0	0	0	0	0	0
0.994959	0.998659	0	0	0	0	0	0
0.996158	0.999051	0	0	0	0	0	0
0.00506	0.004026	0	0	0	0	0	0
0.964834	0.959851	0	0	0	0	0	0
0.985474	0.994367	0	0	0	0	0	0
0.998363	0.999215	0	0	0	0	0	0
0.998299	0.997874	0	0	0	0	0	0
0.151733	0.23643	0	0	0	0	0	0

0.958933	0.941305	0	0	0	0	0	0
0.093463	0.289917	0	0	0	0	0	0
0.957477	0.955777	0	0	0	0	0	0
0.049615	0.035916	0	0	0	0	0	0
0.974502	0.961761	0	0	0	0	0	0
0.979698	0.957792	0	0	0	0	0	0
0.105692	0.151451	0	0	0	0	0	0
0.943812	0.927282	0	0	0	0	0	0
0.891963	0.971905	0	0	0	0	0	0
0.820152	0.983935	0.03	0	0	0	0	0
0.037417	0.017817	0	0	0	0	0	0
0.001441	0.0018	0	0	0	0	0	0
0.98667	0.977181	0	0	0	0	0	0
0.039458	0.05015	0	0	0	0	0	0
0.067427	0.326828	0	0	0	0	0	0
0.890111	0.905337	0	0	0	0	0	4
0.799738	0.899051	0	0	0	0	0	0
0.87966	0.860047	0	0	0	0	0	0
0.093466	0.029878	0	0	0	0	0	0
0.065645	0.020491	0	0	0	0	0	0
0.218585	0.364921	0	0	0	0	0	0
0.996852	0.993116	0	0	0	0	0	0
0.406881	0.839604	0	0	0	0	0	0
0.996427	0.981401	0	0	0	0	0	0
0.994464	0.973262	0	0	0	0	0	0
0.99045	0.991726	0	0	0	0	0	0
0.014248	0.011023	0	0	0	0	0	0
0.995065	0.933014	0.01	0	0	0	0	0
0.994461	0.977481	0	0	0	0	0	0
0.995628	0.996011	0	0	0	0	0	0
0.990805	0.985392	0	0	0	0	0	0
0.961243	0.917989	0	0	0	0	0	0
0.991659	0.738362	0.18	0	0	0	0	0
0.995321	0.993629	0	0	0	0	0	0
0.993315	0.994821	0	0	0	0	0	0
0.992026	0.983075	0	0	0	0	0	0
0.81135	0.933035	0	0	0	0	0	0
0.986059	0.875326	0.01	0	0	0	0	0
0.995213	0.998971	0	0	0	0	0	0
0.95722	0.944156	0	0	0	0	0	0
0.962024	0.987702	0	0	0	0	0	0
0.98544	0.935619	0.03	0	0	0	0	0
0.00093	0.000497	0	0	0	0	0	0
0.999697	0.989305	0.01	0	0	0	0	0
0.999007	0.998921	0	0	0	0	0	0
0.999756	0.99989	0	0	0	0	0	0
0.005864	0.015985	0	0	0	0	0	0

0.995804	0.997487	0	0	0	0	0	0
0.99606	0.967926	0	0	0	0	0	0
0.540175	0.883311	0.04	0	0	0	0	0
0.024197	0.034622	0	0	0	0	0	0
0.927984	0.841998	0	0	0	5	0	0
0.979715	0.90733	0	0	0	0	0	0
0.954492	0.935543	0	0	0	0	0	0
0.99417	0.994596	0	0	0	0	0	0
0.008193	0.00338	0	0	0	0	0	0
0.935478	0.988939	0	0	0	0	0	0
0.05542	0.018066	0	0	0	0	0	0
0.969905	0.995928	0	0	0	0	0	0
0.01057	0.008423	0	0	0	0	0	0
0.990164	0.919869	0.02	0	0	0	0	0
0.988294	0.976318	0	0	0	0	0	0
0.995081	0.988607	0	0	0	0	0	0
0.985885	0.591591	0.24	0	0	0	0	0
0.969265	0.899791	0	0	0	0	0	0
0.997065	0.992192	0	0	0	0	0	0
0.998232	0.997535	0	0	0	0	0	0
0.977785	0.849043	0.08	0	0	0	0	0
0.996014	0.985081	0	0	0	0	0	0
0.987046	0.972695	0	0	0	0	0	0
0.012312	0.00937	0	0	0	0	0	0
0.907757	0.931766	0	0	0	0	0	0
0.00356	0.003052	0	0	0	0	0	0
0.002447	0.009544	0	0	0	0	0	0
0.007123	0.005889	0	0	0	0	0	0
0.097569	0.05737	0	0	0	0	0	0
0.992202	0.996556	0	0	0	0	0	0
0.974254	0.977654	0	0	0	0	0	0
0.97751	0.980604	0	0	0	0	0	0
0.992666	0.983119	0	0	0	0	0	0
0.981824	0.981245	0	0	0	0	0	0
0.984893	0.984923	0	0	0	0	0	0
0.99821	0.992132	0	0	0	0	0	0
0.997911	0.997503	0	0	0	0	0	0
0.997641	0.987287	0	0	0	0	0	0
0.792566	0.809605	0	0	0	0	0	0
0.989338	0.994114	0	0	0	0	0	0
0.988547	0.994007	0	0	0	0	0	0
0.932777	0.942026	0	0	0	0	0	0
0.819759	0.545897	0.01	0	0	0	0	0
0.986277	0.971299	0	0	0	0	0	0
0.040802	0.019718	0	0	0	0	0	0
0.256356	0.329369	0	0	0	0	0	0
0.041938	0.011414	0	0	0	0	0	0

0.981517	0.955779	0	0	0	0	0	0
0.769182	0.912758	0	0	0	0	0	0
0.229852	0.331864	0	0	0	0	0	0
0.292206	0.423953	0.03	0	0	0	0	0
0.939658	0.8625	0.02	0	0	0	0	0
0.005661	0.022208	0	0	0	0	0	0
0.994048	0.962061	0.01	0	0	0	0	0
0.998378	0.996014	0	0	0	0	0	0
0.736665	0.25158	0.4	0	0	0	0	0
0.995832	0.970619	0	0	0	0	0	0
0.99459	0.989619	0	0	0	0	0	0
0.789791	0.62093	0.03	0	0	0	0	0
0.369813	0.465668	0	0	0	0	0	0
0.97482	0.920031	0	0	0	0	0	0
0.973801	0.961954	0	0	0	0	0	0
0.977091	0.96006	0	0	0	0	0	0
0.994184	0.913529	0	0	0	0	0	0
0.978918	0.930082	0	0	0	0	0	0
0.018569	0.020559	0	0	0	0	0	0
0.980503	0.926299	0	0	0	0	0	0
0.268341	0.113461	0.05	0	0	0	0	0
0.996859	0.995747	0	0	0	0	0	0
0.051255	0.026701	0	0	0	0	0	0
0.674787	0.870222	0.04	0	0	0	0	0
0.963315	0.982426	0	0	0	0	0	0
0.989577	0.965581	0	0	0	0	0	0
0.970773	0.974981	0	0	0	0	0	0
0.985781	0.961842	0	0	0	0	1	1
0.08173	0.035425	0	0	0	0	0	0
0.950498	0.984189	0	0	0	0	0	0
0.966862	0.979076	0	0	0	0	0	0
0.89449	0.989513	0	0	0	0	0	0
0.165938	0.131356	0	0	0	0	0	0
0.954935	0.97988	0	0	0	0	0	0
0.95887	0.988779	0	0	0	0	0	0
0.998029	0.675371	0.16	0	0	0	0	0
0.988614	0.99796	0	0	0	0	0	0
0.020011	0.005599	0	0	0	0	0	0
0.030299	0.043236	0	0	0	0	0	0
0.988713	0.965109	0	0	0	0	0	0
0.948438	0.960115	0	0	4	2	0	0
0.048897	0.03444	0	0	0	1	0	0
0.902263	0.95041	0	0	0	0	0	0
0.97215	0.98589	0	0	0	0	0	0
0.996577	0.973608	0	0	0	0	0	0
0.996022	0.998201	0	0	0	0	0	0
0.991034	0.994425	0	0	0	0	0	0

0.03855	0.0456	0	0	0	0	0	0
0.952382	0.85245	0	0	0	0	0	0
0.959758	0.966176	0	0	0	0	0	0
0.999504	0.99943	0	0	0	0	0	0
0.98986	0.994156	0	0	0	0	0	0
0.983023	0.8139	0.09	0	0	0	0	0
0.992918	0.948987	0	0	0	0	0	0
0.993666	0.977692	0	0	0	0	0	0
0.989938	0.992924	0	0	0	0	0	0
0.992547	0.99625	0	0	0	0	0	0
0.022489	0.030468	0	0	0	0	0	0
0.026687	0.105927	0	0	0	0	0	0
0.997035	0.997458	0	0	0	0	0	0
0.994457	0.987602	0	0	0	0	0	0
0.997479	0.951456	0	0	0	0	0	0
0.983792	0.753846	0.08	0	0	0	0	0
0.998473	0.979549	0	6	0	0	0	0
0.998661	0.986774	0	0	0	0	0	0
0.996396	0.981651	0	0	0	0	0	0
0.909024	0.851281	0	0	0	0	0	0
0.089883	0.112807	0	0	0	0	0	0
0.726734	0.538768	0	0	0	0	0	0
0.658513	0.457236	0	0	0	0	0	0
0.671544	0.513025	0	0	0	0	0	0
0.981741	0.94017	0	8	0	0	8	8
0.990733	0.979144	0	0	0	0	0	0
0.985175	0.975074	0	0	0	8	2	0
0.990738	0.980814	0	0	0	0	0	0
0.984412	0.948277	0	10	0	0	2	0
0.989085	0.944486	0	0	0	0	0	0
0.99182	0.937557	0	0	0	0	0	0
0.885541	0.350249	0.36	0	0	0	0	0
0.193361	0.252798	0	0	0	0	0	0
0.996375	0.995991	0	0	0	0	0	0
0.975149	0.946208	0	0	0	0	0	0
0.965055	0.972587	0	0	0	0	0	0
0.89978	0.884467	0	0	0	0	0	0
0.980425	0.987915	0	0	0	0	0	0
0.991767	0.987863	0	0	0	0	0	0
0.979509	0.983118	0	0	0	0	0	0
0.949853	0.919693	0	0	0	0	0	0
0.990856	0.989351	0	0	0	0	0	0
0.066226	0.048429	0	0	0	0	0	0
0.96941	0.961944	0	0	0	0	0	0
0.971173	0.912545	0	0	0	0	0	0
0.008914	0.051559	0	0	0	0	0	0
0.996584	0.99827	0	0	0	0	0	0

0.945873	0.944272	0	0	0	0	0	0
0.98254	0.981032	0	0	0	0	0	0
0.987134	0.903653	0.03	0	0	0	0	0
0.978325	0.962937	0	0	0	0	0	0
0.988644	0.985009	0	0	0	0	0	0
0.994337	0.991737	0	0	0	0	0	0
0.99366	0.987469	0	0	0	0	0	0
0.974918	0.865065	0	0	0	0	0	0
0.9626	0.838394	0.06	0	0	0	0	0
0.998321	0.989666	0	0	0	0	0	0
0.984909	0.899164	0.01	0	0	0	0	0
0.989561	0.927455	0	0	0	0	0	0
0.991411	0.362553	0.52	0	0	0	7	5
0.992164	0.979362	0	0	0	0	0	0
0.991436	0.995338	0	0	0	0	0	0
0.367962	0.839152	0.22	0	0	0	0	0
0.992263	0.419013	0.39	0	0	0	0	0
0.995645	0.995289	0	0	0	0	0	0
0.994536	0.997199	0	0	0	0	0	0
0.994178	0.996079	0	0	0	0	0	0
0.016704	0.063723	0	0	0	0	0	0
0.993858	0.989955	0	0	0	0	0	0
0.013612	0.012137	0	0	0	0	0	0
0.019337	0.035262	0	0	0	0	0	0
0.951509	0.822908	0.05	0	0	0	0	0
0.955193	0.967067	0	0	0	0	0	0
0.980591	0.987434	0	0	0	0	0	0
0.011174	0.020026	0	0	0	0	0	0
0.010901	0.01935	0	0	0	0	0	0
0.995357	0.996538	0	0	0	0	0	0
0.026998	0.008168	0	0	0	0	0	0
0.99439	0.993345	0	0	0	0	0	0
0.995502	0.996991	0	0	0	0	0	0
0.008001	0.0055	0	0	0	0	0	0
0.993418	0.987797	0	0	0	0	0	0
0.936358	0.985859	0	0	0	0	0	0
0.929708	0.67934	0	0	0	0	0	0
0.948116	0.949019	0	0	0	0	0	0
0.987106	0.965489	0	0	0	0	0	0
0.021631	0.06795	0	0	0	0	0	0
0.02809	0.028129	0	0	0	0	0	0
0.028985	0.07297	0	0	0	0	0	0
0.980628	0.918459	0	0	0	0	0	0
0.987367	0.936077	0	0	0	0	0	0
0.985219	0.926222	0	0	0	0	1	1
0.979057	0.946154	0	0	0	0	0	0
0.056175	0.066559	0	0	0	0	0	0

0.983552	0.960051	0	0	0	0	0	0
0.983683	0.95612	0	0	0	0	0	0
0.982194	0.960472	0	0	0	0	0	0
0.985837	0.950376	0	0	0	0	0	0
0.988345	0.951574	0	0	0	0	0	0
0.998731	0.999115	0	1	1	0	0	0
0.993132	0.972177	0	0	0	0	0	0
0.983706	0.9709	0	0	0	0	0	0
0.974134	0.900518	0	0	0	0	0	0
0.068925	0.024289	0	0	0	0	0	0
0.989174	0.997191	0	0	0	0	0	0
0.053557	0.035355	0	0	0	0	0	0
0.977748	0.997653	0	0	0	0	0	0
0.056166	0.0838	0	0	0	0	0	0
0.992678	0.991942	0	0	0	0	0	0
0.997375	0.996494	0	0	0	0	0	0
0.923678	0.826245	0	0	0	0	0	0
0.992344	0.977137	0	0	0	0	0	0
0.978938	0.960948	0	0	0	0	0	0
0.983447	0.923604	0.02	0	0	0	0	0
0.998812	0.998048	0	0	0	0	0	0
0.495163	0.45629	0	0	0	0	0	0
0.973882	0.945865	0	0	0	0	0	0
0.99711	0.993917	0	0	0	0	0	0
0.988014	0.973771	0	0	0	0	0	0
0.993421	0.957797	0	0	0	0	0	0
0.980337	0.897516	0.02	0	0	0	0	0
0.006335	0.008767	0	0	0	0	0	0
0.997697	0.995739	0	0	0	0	0	0
0.012849	0.039851	0	0	0	0	0	0
0.00576	0.022652	0	0	0	0	0	0
0.068872	0.114339	0	0	0	0	0	0
0.036401	0.011773	0	0	0	0	0	0
0.992291	0.995452	0	0	0	0	0	0
0.99609	0.998756	0	0	0	0	0	0
0.131914	0.312914	0.07	0	0	0	0	0
0.99642	0.998691	0	0	0	0	1	1
0.986816	0.879274	0.01	0	0	0	0	0
0.998784	0.971407	0.01	0	0	0	0	0
0.046216	0.022425	0	0	0	0	0	0
0.989974	0.990159	0	0	0	0	0	0
0.968733	0.963297	0	0	0	0	0	0
0.981984	0.991358	0	0	0	0	0	0
0.283328	0.465316	0	0	0	0	0	0
0.982635	0.966887	0	0	0	0	0	0
0.979334	0.97737	0	0	0	0	0	0
0.993101	0.954798	0	0	0	0	0	0

0.993497	0.993521	0	0	0	0	0	0
0.993448	0.992525	0	0	0	0	0	0
0.994816	0.99457	0	0	0	0	0	0
0.995752	0.994844	0	0	0	0	0	0
0.995633	0.986138	0	0	0	0	0	0
0.995437	0.99639	0	0	0	0	0	0
0.994671	0.991394	0	0	0	0	0	0
0.967157	0.89098	0	0	0	0	0	0
0.990394	0.875373	0.05	0	0	0	0	0
0.987374	0.86776	0.04	0	0	0	0	0
0.977617	0.832239	0.08	0	0	0	0	0
0.995529	0.99364	0	0	0	0	0	0
0.030422	0.043846	0	0	0	0	0	0
0.006492	0.007452	0	0	0	0	0	0
0.01895	0.055734	0	0	0	0	0	0
0.009417	0.006902	0	0	0	0	0	0
0.010295	0.006151	0	0	0	0	0	0
0.991786	0.989436	0	0	0	0	0	0
0.9347	0.853386	0	0	0	0	0	0
0.971674	0.942671	0	0	0	0	0	0
0.939233	0.951429	0	0	0	0	0	0
0.991347	0.941381	0	0	0	0	0	0
0.98628	0.93858	0	0	0	0	0	0
0.988521	0.965119	0	0	0	0	0	0
0.990233	0.974672	0	0	0	0	0	0
0.988272	0.958432	0	0	0	0	0	0
0.975941	0.891944	0	0	0	0	0	0
0.983565	0.971657	0	0	0	0	0	0
0.989968	0.923455	0	0	0	0	0	0
0.990194	0.974543	0	0	0	0	0	0
0.434028	0.657625	0	0	0	0	0	0
0.989471	0.928874	0	0	0	0	0	0
0.036003	0.048529	0	0	0	0	0	0
0.918741	0.939272	0	0	0	0	0	0
0.970068	0.900335	0	0	0	0	0	0
0.989759	0.992561	0	0	0	0	0	0
0.980572	0.990284	0	0	0	0	0	0
0.023043	0.024402	0	0	0	0	0	0
0.139453	0.168164	0	0	0	0	0	0
0.970916	0.981578	0	0	0	0	0	0
0.989714	0.986499	0	0	0	0	0	0
0.989617	0.986904	0	0	0	0	0	0
0.995013	0.997048	0	0	0	0	0	0
0.018505	0.022608	0	0	0	0	0	0
0.990073	0.995008	0	0	0	0	0	0
0.983068	0.993483	0	0	0	0	1	1
0.887823	0.991374	0.02	0	0	0	0	0

0.947498	0.994465	0	0	0	0	0	0
0.937863	0.971891	0	0	0	0	0	0
0.829883	0.9733	0	0	0	0	0	0
0.042535	0.053099	0	0	0	0	0	0
0.970267	0.866896	0	0	0	0	0	0
0.955729	0.95391	0	0	0	0	0	0
0.980418	0.967916	0	0	0	0	0	0
0.054825	0.120466	0	0	0	0	0	0
0.930717	0.702651	0	0	0	0	0	0
0.947382	0.523953	0.12	0	0	0	0	0
0.937326	0.797153	0	0	0	0	0	0
0.956288	0.562215	0.1	0	0	0	0	0
0.043914	0.086381	0	0	0	0	0	0
0.983853	0.807201	0	0	0	0	0	0
0.981469	0.955471	0	0	0	0	0	0
0.968719	0.881522	0	0	0	0	0	0
0.849759	0.759872	0	0	0	0	0	0
0.990969	0.987763	0	0	0	0	0	0
0.827208	0.944213	0	0	22	15	3	3
0.987344	0.9936	0	0	0	0	0	0
0.944573	0.928986	0	0	0	0	0	0
0.985656	0.948472	0	0	0	0	0	0
0.073299	0.026205	0	0	0	0	0	0
0.024008	0.315313	0.16	0	0	0	0	0
0.033201	0.061444	0	0	0	0	0	0
0.979873	0.393777	0.4	0	0	0	0	0
0.964055	0.947738	0	0	0	0	0	0
0.997251	0.997221	0	0	0	0	0	0
0.999804	0.999831	0	0	0	0	0	0
0.999653	0.999493	0	0	0	0	0	0
0.996668	0.990561	0	0	0	0	0	0
0.998162	0.998844	0	0	0	0	0	0
0.997765	0.99843	0	0	0	0	0	0
0.997572	0.997754	0	0	0	0	0	0
0.525229	0.319843	0.11	0	0	0	0	0
0.992892	0.997781	0	0	0	0	0	0
0.996823	0.997983	0	0	0	0	0	0
0.807177	0.783374	0	0	0	0	0	0
0.996071	0.978814	0	0	0	0	0	0
0.989626	0.979917	0	0	0	0	0	0
0.959645	0.980943	0	0	0	0	0	0
0.98435	0.987755	0	0	0	0	0	0
0.990916	0.987763	0	0	0	0	0	0
0.995564	0.991031	0	0	0	0	0	0
0.851475	0.964081	0.05	0	0	0	0	0
0.059417	0.391094	0.2	0	0	0	0	0
0.010471	0.012204	0	0	0	0	0	0

0.988589	0.949309	0	0	0	0	0	0
0.988562	0.996145	0	0	0	0	0	0
0.014194	0.007861	0	0	0	0	0	0
0.98933	0.386141	0.3	0	0	0	0	0
0.870115	0.946716	0	0	0	0	0	0
0.981208	0.976645	0	0	0	0	0	0
0.981967	0.984739	0	0	0	0	0	0
0.577891	0.651898	0	0	0	0	0	0
0.981796	0.993053	0	0	0	0	0	0
0.009092	0.00321	0	0	0	0	0	0
0.994654	0.997921	0	0	0	0	0	0
0.013366	0.007858	0	0	0	0	0	0
0.01571	0.007622	0	0	0	0	0	0
0.947174	0.963697	0	0	0	0	0	0
0.074085	0.051032	0	0	0	0	0	0
0.952888	0.964468	0	0	0	0	0	0
0.951326	0.965455	0	0	0	0	0	0
0.973277	0.990579	0	0	0	0	0	0
0.957199	0.972189	0	0	0	0	0	0
0.984457	0.924541	0	0	0	0	0	0
0.997413	0.98567	0	0	0	0	0	0
0.995125	0.964414	0	0	0	0	0	0
0.990249	0.968882	0	0	0	0	0	0
0.945961	0.934112	0	0	0	0	0	0
0.996774	0.980326	0	0	0	0	0	0
0.991293	0.946489	0	0	0	0	0	0
0.991525	0.930531	0	0	0	0	0	0
0.974371	0.994371	0	0	0	0	0	0
0.990678	0.989894	0	0	0	0	0	0
0.289942	0.86726	0.34	0	0	0	0	0
0.986093	0.98632	0	0	0	0	0	0
0.473063	0.867617	0.2	0	0	0	0	0
0.992827	0.99733	0	0	0	0	0	0
0.994109	0.99811	0	0	0	0	0	0
0.061355	0.028146	0	0	0	0	0	0
0.984432	0.990594	0	0	0	0	0	0
0.99048	0.991218	0	0	0	0	0	0
0.972212	0.943788	0	0	0	0	0	0
0.989076	0.994284	0	0	0	0	0	0
0.99375	0.983833	0	0	0	0	0	0
0.966713	0.925448	0	0	0	0	0	0
0.956921	0.961907	0	0	0	0	0	0
0.984791	0.937217	0	0	0	0	0	0
0.980552	0.945403	0	0	0	0	0	0
0.980059	0.948199	0	0	0	0	0	0
0.983007	0.945579	0	0	0	0	0	0
0.984179	0.952867	0	0	0	0	0	0

0.963654	0.977119	0	0	0	0	0	0
0.982515	0.971345	0	0	0	0	0	0
0.995986	0.997715	0	0	0	0	0	0
0.994683	0.997352	0	0	0	0	0	0
0.034778	0.065535	0	0	0	0	0	0
0.99103	0.986738	0	0	0	0	0	0
0.990588	0.986137	0	0	0	0	0	0
0.994239	0.989172	0	0	0	0	0	0
0.009166	0.004346	0	0	0	0	0	0
0.996544	0.997297	0	0	0	0	0	0
0.018145	0.015988	0	0	0	0	0	0
0.013371	0.006605	0	0	0	0	0	0
0.022744	0.006051	0	0	0	0	0	0
0.997227	0.978721	0	0	0	0	0	0
0.995827	0.950653	0	0	0	0	0	0
0.996776	0.997151	0	0	0	0	0	0
0.921652	0.931155	0	0	0	0	0	0
0.993783	0.984605	0	0	0	0	0	0
0.994882	0.906138	0.04	0	0	0	0	0
0.989624	0.962081	0	0	0	0	0	0
0.983139	0.996032	0	0	0	0	0	0
0.065499	0.021191	0	0	0	0	0	0
0.783443	0.89938	0	0	0	0	0	0
0.965267	0.977551	0	0	0	0	0	0
0.025545	0.076394	0	0	0	0	0	0
0.960938	0.98441	0	0	0	0	0	0
0.961007	0.947077	0	0	0	0	0	0
0.410727	0.035861	0.13	0	0	0	0	0
0.961069	0.878826	0	0	0	0	0	0
0.975762	0.974947	0	0	0	0	0	0
0.956165	0.943331	0	0	0	0	0	0
0.960925	0.94707	0	0	0	0	0	0
0.791078	0.877193	0	0	0	0	0	0
0.956967	0.905632	0	0	0	0	0	0
0.969526	0.937856	0	0	0	0	0	0
0.987037	0.979647	0	0	0	0	0	0
0.98208	0.973687	0	0	0	0	0	0
0.900097	0.948372	0	0	0	0	0	0
0.99068	0.979279	0	0	0	0	0	0
0.020486	0.021956	0	0	0	0	0	0
0.991706	0.990746	0	0	0	0	0	0
0.993471	0.991975	0	0	0	0	0	0
0.995616	0.989878	0	0	0	0	0	0
0.994816	0.949857	0	0	0	0	0	0
0.995206	0.972585	0	0	0	0	0	0
0.995326	0.984864	0	0	0	0	0	0
0.993437	0.9796	0	0	0	0	0	0

0.991686	0.969831	0	0	0	0	0	0
0.991753	0.929375	0.01	0	0	0	0	0
0.975596	0.937545	0	0	0	0	0	0
0.986829	0.985675	0	0	0	0	0	0
0.985855	0.957419	0	0	0	0	0	0
0.991308	0.961651	0	0	0	0	0	0
0.991398	0.982623	0	0	0	0	0	0
0.565806	0.702188	0	0	0	0	0	0
0.988073	0.986754	0	0	0	0	0	0
0.978862	0.973387	0	0	0	0	0	0
0.990977	0.950219	0	0	0	0	0	0
0.921793	0.928175	0	0	0	0	0	0
0.983508	0.983947	0	0	0	0	0	0
0.994443	0.992213	0	0	0	0	0	0
0.99379	0.977222	0	0	0	0	0	0
0.986303	0.932425	0	0	0	0	0	0
0.991895	0.96435	0	0	0	0	2	2
0.985803	0.998759	0	0	0	0	0	0
0.984278	0.995734	0	0	0	0	0	0
0.981075	0.989742	0	0	0	0	0	0
0.998175	0.992879	0	0	0	0	0	0
0.998306	0.995154	0	0	0	0	0	0
0.003938	0.025886	0	0	0	0	0	0
0.9769	0.959745	0	0	0	0	0	0
0.941966	0.74071	0.04	0	0	0	14	15
0.971932	0.897793	0	0	0	0	0	0
0.993507	0.986753	0	0	0	0	0	0
0.989896	0.643011	0.18	0	0	0	0	0
0.795033	0.518584	0.04	0	0	0	0	0
0.987996	0.992087	0	0	0	0	0	0
0.022127	0.032599	0	0	0	0	0	0
0.971311	0.945396	0	0	0	0	0	0
0.757417	0.7333	0	0	0	0	0	0
0.019437	0.022969	0	0	0	0	0	0
0.99404	0.992669	0	0	0	0	0	0
0.996649	0.991587	0	0	0	0	0	0
0.996096	0.990314	0	0	0	0	0	0
0.991978	0.988931	0	0	0	0	0	0
0.990554	0.9906	0	0	0	0	0	0
0.990294	0.947536	0	0	0	0	0	0
0.89881	0.882862	0	0	0	0	0	0
0.990364	0.995723	0	0	0	0	0	0
0.987746	0.997175	0	0	0	0	0	0
0.019447	0.01267	0	0	0	0	0	0
0.968416	0.979943	0	0	0	0	0	0
0.982455	0.992729	0	0	0	0	0	0
0.977279	0.99064	0	0	0	0	0	0

0.981146	0.993015	0	0	0	0	0	0
0.030412	0.00533	0	0	0	0	0	0
0.968348	0.990163	0	0	0	0	0	0
0.032014	0.0107	0	0	0	0	0	0
0.973809	0.879063	0	0	0	0	0	0
0.989876	0.996609	0	0	0	0	0	0
0.01886	0.008493	0	0	0	0	0	0
0.963455	0.854819	0	0	0	0	0	0
0.957657	0.859891	0	0	0	0	0	0
0.961265	0.897823	0	0	0	0	0	0
0.025724	0.051048	0	0	0	0	0	0
0.995129	0.997119	0	0	0	0	0	0
0.995185	0.996726	0	0	0	0	0	0
0.991295	0.989484	0	0	0	0	0	0
0.990754	0.933974	0	0	0	0	0	0
0.987556	0.940301	0	0	0	0	0	0
0.848874	0.748266	0	0	0	0	0	0
0.040266	0.121026	0	0	0	0	0	0
0.968269	0.98359	0	0	0	0	0	0
0.962593	0.800003	0	0	0	0	0	0
0.077939	0.115693	0	0	0	0	0	0
0.028005	0.04987	0	0	0	0	0	0
0.0212	0.062084	0	0	0	0	0	0
0.023603	0.027948	0	0	0	0	0	0
0.928614	0.955989	0	0	0	0	0	0
0.991369	0.975225	0	0	0	0	0	0
0.987489	0.97092	0	0	0	0	0	0
0.967391	0.798334	0	0	0	0	0	0
0.974558	0.96856	0	0	0	0	0	0
0.982898	0.984564	0	0	0	0	0	0
0.964334	0.980955	0	0	0	0	0	0
0.023195	0.095171	0	0	0	0	0	0
0.058045	0.038495	0	0	0	0	0	0
0.996345	0.99864	0	0	0	0	0	0
0.987637	0.981406	0	0	0	0	0	0
0.98429	0.97747	0	0	0	0	0	0
0.982904	0.977938	0	0	0	0	0	0
0.617665	0.554855	0	0	0	0	0	0
0.020107	0.011699	0	0	0	0	0	0
0.903754	0.938372	0	0	0	0	0	0
0.9822	0.986383	0	0	0	0	0	0
0.997726	0.995204	0	0	0	0	0	0
0.082099	0.279367	0.12	0	0	0	0	0
0.040771	0.059499	0	0	0	0	0	0
0.005696	0.278103	0.19	0	0	0	0	0
0.047658	0.358143	0.23	0	0	0	0	0
0.973193	0.991917	0	0	0	0	0	0

0.947999	0.961745	0	0	0	0	0	0
0.007638	0.021706	0	0	0	0	0	0
0.993272	0.996878	0	0	0	0	0	0
0.994498	0.990659	0	0	0	0	0	0
0.973834	0.965633	0	0	0	0	0	0
0.962903	0.951621	0	0	0	0	0	0
0.953675	0.899127	0	0	0	0	0	0
0.977336	0.968975	0	0	0	0	0	0
0.975824	0.97778	0	0	0	0	0	0
0.979314	0.92329	0	0	0	0	0	0
0.97909	0.978919	0	0	0	0	0	0
0.03181	0.026412	0	0	0	0	0	0
0.926116	0.959101	0	0	0	0	0	0
0.926926	0.845971	0	0	0	0	0	0
0.297315	0.17717	0	0	0	0	0	0
0.969947	0.96925	0	0	0	0	0	0
0.80233	0.928661	0	0	0	0	0	0
0.965899	0.989387	0	0	0	0	0	0
0.921214	0.963838	0	0	0	0	0	0
0.759866	0.778085	0	0	0	0	0	0
0.885644	0.964839	0	0	0	0	0	0
0.923958	0.95829	0	0	0	0	0	0
0.739598	0.41205	0	0	0	0	0	0
0.964952	0.935393	0	0	0	0	0	0
0.011208	0.043321	0	0	0	0	0	0
0.996189	0.992305	0	0	0	0	0	0
0.995732	0.996742	0	0	0	0	0	0
0.021359	0.018064	0	0	0	0	0	0
0.996532	0.99594	0	0	0	0	0	0
0.991909	0.979509	0	0	0	0	0	0
0.980189	0.960233	0	0	0	0	0	0
0.983545	0.963953	0	0	0	0	0	0
0.999522	0.999419	0	0	0	0	0	0
0.003188	0.003273	0	0	0	0	0	0
0.104462	0.078404	0	0	0	0	0	0
0.030597	0.008288	0	0	0	0	0	0
0.992235	0.999676	0	0	0	0	0	0
0.63504	0.913143	0.13	0	0	0	0	0
0.458075	0.15491	0.1	0	0	0	0	0
0.991532	0.992294	0	0	0	0	0	0
0.998023	0.989936	0	0	0	0	0	0
0.003734	0.01093	0	0	0	0	0	0
0.974466	0.971755	0	0	0	0	0	0
0.99857	0.99468	0	0	0	0	0	0
0.98163	0.992318	0	0	0	0	0	0
0.956057	0.984536	0	0	0	0	0	0
0.946522	0.8986	0	0	0	0	0	0

0.962436	0.942512	0	0	0	0	0	0
0.948134	0.960201	0	0	0	0	0	0
0.952747	0.904571	0	0	0	0	0	0
0.951611	0.952284	0	0	0	0	0	0
0.910023	0.973905	0	0	0	0	0	0
0.949163	0.977611	0	0	0	0	0	0
0.853037	0.946599	0	0	0	0	0	0
0.997954	0.994798	0	0	0	0	0	0
0.995532	0.9964	0	0	0	0	0	0
0.024073	0.019696	0	0	0	0	0	0
0.997486	0.98911	0	0	0	0	0	0
0.995907	0.99318	0	0	0	0	0	0
0.975797	0.948053	0	0	0	0	0	0
0.953019	0.930873	0	0	0	0	0	0
0.977263	0.897248	0	0	0	0	0	0
0.970168	0.943824	0	0	0	0	0	0
0.970915	0.958179	0	0	0	0	0	0
0.990642	0.99516	0	0	0	0	0	0
0.994127	0.995693	0	0	0	0	0	0
0.035147	0.022719	0	0	0	0	0	0
0.031867	0.058618	0	0	0	0	0	0
0.954635	0.94841	0	0	0	0	0	0
0.95018	0.964428	0	0	0	0	0	0
0.985114	0.991577	0	0	0	0	0	0
0.314361	0.442666	0	0	0	0	0	0
0.944965	0.946855	0	0	0	0	0	0
0.883717	0.840902	0	0	0	0	0	0
0.724379	0.431424	0	0	0	0	0	0
0.993869	0.987965	0	0	0	0	0	0
0.993685	0.98832	0	0	0	0	0	0
0.991815	0.958496	0	0	0	0	0	0
0.031634	0.298051	0.13	0	0	0	0	0
0.995321	0.99764	0	0	0	0	0	0
0.944072	0.946062	0	0	0	0	0	0
0.996284	0.960407	0	0	0	0	0	0
0.975799	0.984922	0	0	0	0	0	0
0.004808	0.015853	0	0	0	0	0	0
0.985633	0.93955	0	0	0	0	0	0
0.994669	0.969276	0	0	0	0	0	0
0.995985	0.978056	0	0	0	0	0	0
0.996051	0.982345	0	0	0	0	0	0
0.981268	0.90584	0	0	0	0	0	0
0.983513	0.89129	0	0	0	0	0	0
0.953838	0.976594	0	0	0	0	0	0
0.949508	0.937999	0	0	0	0	0	0
0.996691	0.992083	0	0	0	0	0	0
0.995279	0.990143	0	0	0	0	0	0

0.995989	0.989932	0	0	0	0	0	0
0.994907	0.99442	0	0	0	0	0	0
0.996679	0.99347	0	0	0	0	0	0
0.995928	0.994939	0	0	0	0	0	0
0.023609	0.146028	0.03	0	0	0	0	0
0.999046	0.989571	0	0	0	0	0	0
0.998614	0.980653	0	0	0	0	0	0
0.006259	0.012159	0	0	0	0	0	0
0.997225	0.989618	0	0	0	0	0	0
0.993804	0.98727	0	0	0	0	0	0
0.99952	0.998037	0	0	0	0	0	0
0.998582	0.990414	0	0	0	0	0	0
0.989546	0.987939	0	0	0	4	0	0
0.004656	0.019988	0	0	0	0	0	0
0.994859	0.994592	0	0	0	0	0	0
0.99809	0.993524	0	0	0	0	0	0
0.002265	0.011038	0	0	0	0	0	0
0.938252	0.852608	0	0	0	0	0	0
0.017812	0.022687	0	0	0	0	0	0
0.001359	0.006359	0	0	1	0	0	0
0.997821	0.990579	0	0	0	0	0	0
0.987545	0.981008	0	0	25	0	0	0
0.992369	0.934444	0.02	0	0	4	0	0
0.997277	0.998677	0	0	0	0	0	0
0.014797	0.007867	0	0	0	0	0	0
0.986917	0.992881	0	0	0	0	0	0
0.849907	0.741411	0	0	0	0	0	0
0.953634	0.966828	0	0	0	0	0	0
0.982293	0.95208	0	0	0	0	0	0
0.980048	0.968885	0	0	0	0	0	0
0.972401	0.989139	0	4	0	0	0	0
0.974611	0.977821	0	0	0	0	0	0
0.060323	0.046479	0	0	0	0	0	0
0.036055	0.011948	0	0	0	0	0	0
0.971402	0.98672	0	0	0	0	0	0
0.995199	0.98672	0	0	0	0	0	0
0.995944	0.992643	0	0	0	0	0	0
0.9946	0.961727	0	0	0	0	0	0
0.997164	0.996373	0	0	0	0	0	0
0.058451	0.046673	0	0	0	0	0	0
0.004699	0.004109	0	0	0	0	0	0
0.938983	0.942295	0	0	0	0	0	0
0.995466	0.996811	0	0	0	0	0	0
0.998035	0.996221	0	0	0	0	0	0
0.993005	0.990556	0	0	0	0	0	0
0.998413	0.998149	0	0	0	0	0	0
0.997862	0.99845	0	0	0	0	0	0

0.995449	0.987019	0	0	0	0	0	0
0.976213	0.821719	0.04	0	0	0	0	0
0.950325	0.756425	0.04	0	7	2	0	0
0.008864	0.007088	0	0	0	0	0	0
0.99692	0.996689	0	0	0	0	4	4
0.994149	0.988169	0	0	0	0	0	0
0.978354	0.818554	0.08	0	0	1	0	0
0.976206	0.96381	0	0	0	0	0	0
0.935615	0.895568	0	0	0	0	0	0
0.911045	0.788218	0	0	0	0	0	0
0.866946	0.554485	0	0	0	0	0	0
0.96439	0.940467	0	0	0	0	0	0
0.951539	0.878844	0	0	0	0	0	0
0.992738	0.950626	0	5	4	0	0	4
0.012692	0.010716	0	2	0	0	0	0
0.550329	0.396709	0	2	0	0	0	0
0.990304	0.985703	0	0	0	0	0	0
0.983097	0.994383	0	0	0	0	3	0
0.989904	0.97992	0	0	0	0	0	0
0.019448	0.008026	0	0	0	0	0	0
0.988307	0.997334	0	0	0	0	0	0
0.987806	0.997319	0	0	0	0	0	0
0.995315	0.995126	0	0	0	0	0	0
0.966817	0.937591	0	0	0	0	0	0
0.544699	0.385951	0.02	0	0	0	0	0
0.992906	0.992267	0	0	0	0	0	0
0.999336	0.998356	0	0	0	0	0	0
0.989023	0.9879	0	0	0	0	0	0
0.991742	0.984937	0	0	0	0	0	0
0.016086	0.074952	0	0	0	0	0	0
0.990716	0.988394	0	0	0	0	0	0
0.98125	0.965863	0	0	0	0	0	0
0.991854	0.988667	0	0	0	0	0	0
0.015837	0.006238	0	0	0	0	0	0
0.993688	0.972988	0	0	0	0	0	0
0.989237	0.997515	0	0	0	0	0	0
0.959455	0.998241	0	0	0	0	0	0
0.969671	0.985001	0	0	0	0	0	0
0.96317	0.998336	0	0	0	0	0	0
0.997326	0.99738	0	0	5	0	0	0
0.031537	0.09421	0	0	0	0	0	0
0.04648	0.012724	0.01	0	5	0	0	0
0.012417	0.015628	0	0	0	0	0	0
0.06427	0.019945	0.01	0	0	0	0	0
0.02921	0.018481	0	0	0	0	0	0
0.003072	0.00215	0	0	0	0	0	0
0.998112	0.998702	0	0	0	0	0	0

0.91287	0.97593	0.01	0	0	0	0	0
0.000673	0.001261	0	0	0	0	0	0
0.994029	0.999347	0	0	0	0	0	0
0.961317	0.958433	0	0	0	0	0	0
0.970919	0.954242	0	0	0	0	0	0
0.978281	0.894551	0	0	0	0	0	0
0.98707	0.995727	0	0	0	0	0	0
0.990617	0.994362	0	0	0	0	0	0
0.998679	0.984046	0	0	0	0	0	0
0.105809	0.033807	0.04	0	0	0	8	8
0.996999	0.998378	0	0	0	0	0	0
0.028705	0.029985	0	0	0	0	0	0
0.990555	0.989479	0	0	0	0	0	0
0.030794	0.020296	0	0	0	0	0	0
0.984702	0.973533	0	0	0	0	0	0
0.990538	0.980936	0	0	0	0	0	0
0.988636	0.950109	0	0	0	0	0	0
0.993302	0.964118	0	0	0	0	0	0
0.995268	0.994415	0	0	0	0	0	0
0.981298	0.973972	0	0	0	0	0	0
0.990663	0.990478	0	0	0	0	0	0
0.976938	0.983638	0	0	0	0	0	0
0.986984	0.976631	0	0	0	0	0	0
0.989708	0.942407	0	0	0	0	0	0
0.990878	0.979949	0	0	0	0	0	0
0.962958	0.774812	0.09	0	0	0	0	0
0.972332	0.940336	0	0	0	0	0	0
0.935006	0.962726	0	0	0	0	0	0
0.936598	0.949593	0	0	0	0	0	0
0.108913	0.035755	0.01	0	0	0	0	0
0.980774	0.975323	0	0	0	0	0	0
0.978906	0.987325	0	0	0	0	0	0
0.994289	0.99313	0	0	0	0	0	0
0.984914	0.989578	0	0	0	0	0	0
0.121595	0.304038	0	0	0	0	0	0
0.990479	0.966232	0	0	0	0	0	0
0.989733	0.981971	0	0	0	0	0	0
0.992186	0.988363	0	0	0	0	0	0
0.005969	0.005594	0	0	0	0	0	0
0.888791	0.872831	0	0	0	0	0	0
0.985544	0.960736	0	0	0	0	0	0
0.990968	0.989305	0	0	0	0	4	1
0.995246	0.997053	0	0	0	0	0	0
0.996333	0.997096	0	0	0	0	0	0
0.99679	0.998152	0	0	0	0	0	0
0.996231	0.998877	0	0	0	0	0	0
0.99608	0.998219	0	0	0	0	0	0

0.985109	0.994035	0	0	0	0	0	0
0.982867	0.917721	0	0	0	0	0	0
0.993258	0.9915	0	0	0	0	0	0
0.011457	0.011873	0	0	0	0	0	0
0.992432	0.989662	0	0	0	0	0	0
0.988213	0.960048	0	0	0	0	0	0
0.990772	0.981342	0	0	0	0	0	0
0.994629	0.987871	0	0	0	0	0	0
0.995938	0.990581	0	0	0	0	0	0
0.995374	0.978628	0	0	0	0	0	0
0.996629	0.991934	0	0	0	0	0	0
0.991225	0.982707	0	0	0	0	0	0
0.048238	0.086121	0	0	0	0	0	0
0.99428	0.976356	0	0	0	0	0	0
0.009131	0.021558	0	0	0	0	0	0
0.993822	0.98358	0	0	0	0	0	0
0.996208	0.985217	0	0	0	0	0	0
0.994502	0.985952	0	0	0	0	0	0
0.99105	0.992116	0	0	0	0	0	0
0.992177	0.871871	0.04	0	0	0	0	0
0.021668	0.02321	0	0	0	0	0	0
0.358644	0.444646	0	0	0	0	0	0
0.991239	0.982832	0	0	0	0	0	0
0.994202	0.99155	0	0	0	0	0	0
0.023473	0.130054	0	0	0	0	0	0
0.995493	0.997232	0	0	0	0	0	0
0.995026	0.997345	0	0	0	0	0	0
0.993111	0.995413	0	0	0	0	0	0
0.746834	0.527597	0.01	0	0	0	0	0
0.987614	0.630646	0.25	0	0	0	0	0
0.984114	0.980065	0	10	0	5	0	0
0.981399	0.996856	0	0	0	0	0	0
0.987347	0.994306	0	0	0	0	0	0
0.985287	0.996907	0	0	0	0	0	0
0.950406	0.956867	0	0	0	0	0	0
0.982893	0.928117	0	0	0	0	0	0
0.977098	0.989326	0	0	0	0	0	0
0.111669	0.134242	0	0	0	0	2	0
0.979402	0.844796	0.02	0	0	0	12	15
0.950733	0.958334	0	0	0	0	0	0
0.984544	0.988024	0	0	0	5	0	0
0.982431	0.981953	0	0	0	0	0	0
0.012117	0.014501	0	0	0	0	0	0
0.963801	0.975442	0	0	0	0	0	0
0.997817	0.644854	0.31	0	0	0	0	0
0.619274	0.325538	0.15	0	0	0	0	0
0.027185	0.035858	0	0	0	0	0	0

0.007323	0.046638	0	0	0	0	0	0
0.995746	0.395834	0.47	0	0	0	0	1
0.011004	0.033551	0	0	0	0	0	0
0.99423	0.993298	0	0	0	0	0	0
0.99303	0.75744	0.11	0	0	0	6	6
0.016074	0.023235	0	0	0	0	0	0
0.989879	0.87106	0.03	0	1	5	9	0
0.019326	0.296415	0.16	0	0	0	0	0
0.994229	0.972777	0	0	0	0	0	0
0.995272	0.994643	0	0	0	0	0	0
0.017884	0.019332	0	0	0	0	0	0
0.994379	0.995345	0	0	0	0	0	0
0.995332	0.995974	0	0	0	0	0	0
0.995589	0.996365	0	0	0	0	0	0
0.990101	0.988674	0	0	0	0	0	0
0.023235	0.014524	0	0	0	0	0	0
0.285626	0.658469	0.18	0	0	0	0	0
0.993509	0.97601	0	0	0	0	0	0
0.938363	0.917403	0	0	0	0	0	0
0.952162	0.927865	0	0	0	0	0	0
0.950418	0.948123	0	0	0	0	0	0
0.959961	0.732856	0.01	0	0	0	0	0
0.020897	0.012676	0	0	0	0	0	0
0.995855	0.994017	0	0	0	0	0	0
0.99251	0.96965	0	0	0	0	0	0
0.996639	0.990569	0	0	0	0	0	0
0.996952	0.990931	0	0	0	0	0	0
0.996583	0.992337	0	0	0	0	0	0
0.02896	0.01238	0	0	0	0	0	0
0.993995	0.998384	0	0	0	0	0	0
0.998711	0.999108	0	0	0	0	0	0
0.998303	0.988768	0	0	0	0	0	0
0.985489	0.962714	0	0	0	0	0	0
0.979212	0.973686	0	0	0	0	0	0
0.115774	0.028788	0	0	0	0	0	0
0.056065	0.13566	0	0	0	0	0	0
0.983803	0.882185	0.04	0	0	0	0	0
0.99101	0.923733	0.02	0	0	0	0	0
0.987456	0.959145	0	0	0	0	0	0
0.023829	0.093137	0	0	0	0	0	0
0.990532	0.973726	0	0	0	0	0	0
0.98213	0.946917	0	0	0	0	0	0
0.930128	0.781387	0	0	0	0	0	0
0.991931	0.990121	0	0	0	0	0	4
0.991629	0.937008	0	0	0	0	0	0
0.994496	0.995115	0	0	0	0	0	0
0.994459	0.971411	0	0	0	0	0	0

0.990202	0.99095	0	0	0	0	0	0
0.995201	0.984707	0	0	0	0	0	0
0.990098	0.975795	0	0	0	0	0	0
0.993454	0.992572	0	0	0	0	0	0
0.993612	0.995757	0	0	0	0	0	0
0.992813	0.978982	0	0	0	0	0	0
0.985903	0.976764	0	0	0	0	0	0
0.98774	0.98441	0	0	0	0	0	0
0.968807	0.97863	0	0	0	0	0	0
0.990707	0.958453	0	0	0	0	0	0
0.934973	0.913286	0	0	0	0	0	0
0.98861	0.981194	0	0	0	0	0	0
0.979754	0.981847	0	0	0	0	0	0
0.975458	0.977341	0	0	0	0	0	0
0.978092	0.976267	0	0	0	0	0	0
0.981834	0.978433	0	0	0	0	0	0
0.983241	0.984229	0	0	0	0	0	0
0.996724	0.994399	0	0	0	0	0	0
0.577607	0.470455	0	3	0	0	0	0
0.002084	0.004249	0	0	0	0	0	0
0.998693	0.999616	0	0	0	0	0	0
0.997072	0.997275	0	0	0	0	0	0
0.988366	0.957741	0	0	0	0	0	0
0.987684	0.973533	0	0	0	0	0	0
0.988305	0.959897	0	0	0	0	0	0
0.977698	0.93715	0	0	0	0	0	0
0.985878	0.983369	0	0	0	0	0	0
0.989472	0.987569	0	0	0	0	0	0
0.957362	0.940166	0	0	0	0	0	0
0.97911	0.984954	0	0	0	0	0	0
0.970327	0.976821	0	0	0	0	0	0
0.935603	0.974156	0	0	0	0	0	0
0.997349	0.996846	0	0	0	0	0	0
0.989495	0.994781	0	0	0	0	0	0
0.99259	0.997196	0	0	0	0	0	0
0.982373	0.97495	0	0	0	0	0	0
0.034501	0.047618	0	0	0	0	0	0
0.993295	0.998051	0	0	0	0	0	0
0.992009	0.994204	0	0	0	0	0	0
0.9937	0.991615	0	0	0	0	0	0
0.984208	0.996396	0	0	0	0	0	0
0.993116	0.994427	0	0	0	0	0	0
0.984712	0.992998	0	0	0	0	0	0
0.989735	0.981441	0	0	0	0	0	0
0.972423	0.974771	0	0	0	0	0	0
0.996167	0.998457	0	0	0	0	0	0
0.982314	0.915421	0	0	0	0	0	0

0.985855	0.974162	0	0	0	0	0	0
0.972433	0.966777	0	0	0	0	0	0
0.0513	0.042941	0	0	0	0	0	0
0.95786	0.916137	0	0	0	0	0	0
0.972905	0.946395	0	0	0	0	0	0
0.921631	0.974127	0	0	0	0	0	0
0.036198	0.035691	0	0	0	0	0	0
0.979964	0.966328	0	0	0	0	0	0
0.981517	0.971925	0	0	0	0	0	0
0.981691	0.966222	0	0	0	0	0	0
0.951491	0.967769	0	0	0	0	0	0
0.012613	0.010877	0	0	0	0	0	0
0.012944	0.037767	0	0	0	0	0	0
0.042178	0.022871	0	0	0	0	0	0
0.990587	0.98244	0	0	0	0	0	0
0.995622	0.996557	0	0	0	0	0	0
0.995392	0.996703	0	0	0	0	0	0
0.974792	0.985215	0	0	0	0	0	0
0.993816	0.99599	0	0	0	0	0	0
0.994638	0.996916	0	0	0	0	0	0
0.994898	0.992952	0	0	0	0	0	0
0.299044	0.211556	0	0	0	0	0	0
0.996372	0.986022	0	0	0	0	0	0
0.964209	0.986387	0	0	0	0	0	0
0.958924	0.978876	0	0	0	0	0	0
0.222426	0.064872	0	0	0	0	0	0
0.841345	0.520513	0.02	0	0	0	0	0
0.933964	0.979141	0	0	0	0	0	0
0.995931	0.993438	0	0	0	0	0	0
0.999109	0.960152	0.01	0	0	0	0	0
0.787786	0.69565	0.01	0	0	0	0	0
0.023731	0.058083	0	0	6	0	0	0
0.982069	0.937007	0	0	6	0	0	0
0.99152	0.990246	0	0	0	0	0	0
0.995754	0.991109	0	0	0	0	0	0
0.99694	0.996811	0	0	0	0	0	0
0.996994	0.997392	0	0	0	0	0	0
0.997776	0.997116	0	0	0	0	0	0
0.999363	0.999286	0	0	0	0	0	0
0.997259	0.997871	0	0	0	0	0	0
0.998917	0.958784	0.02	0	0	0	0	0
0.550854	0.182181	0	0	0	0	0	0
0.108814	0.288883	0	0	0	0	0	0
0.991119	0.98959	0	0	0	0	0	0
0.974962	0.973355	0	0	0	0	0	0
0.992958	0.99364	0	0	0	0	0	0
0.99341	0.972902	0	0	0	0	0	0

0.990157	0.958192	0	0	0	0	0	0
0.98677	0.99158	0	0	0	0	0	0
0.992417	0.993449	0	0	0	0	0	0
0.994222	0.996407	0	0	0	0	0	0
0.993016	0.996209	0	0	0	0	0	0
0.987549	0.996904	0	1	0	0	0	0
0.144157	0.499181	0.22	0	0	0	0	0
0.633368	0.670658	0	0	0	0	0	0
0.765455	0.879972	0	0	0	0	0	0
0.966974	0.96882	0	0	0	0	0	0
0.995451	0.989026	0	0	0	0	0	0
0.995503	0.990818	0	0	0	0	0	0
0.933174	0.924236	0	0	0	0	0	0
0.987421	0.976203	0	0	0	0	0	0
0.345045	0.333687	0	0	0	0	0	0
0.007942	0.011224	0	0	0	0	0	0
0.997489	0.995898	0	0	0	0	0	0
0.996825	0.991069	0	0	0	0	0	0
0.992221	0.919798	0.01	0	0	0	0	0
0.980307	0.931581	0.01	0	0	0	0	0
0.990275	0.984463	0	0	0	0	0	0
0.018603	0.035817	0	0	0	0	0	0
0.980673	0.935373	0	0	0	0	0	0
0.998327	0.997243	0	0	0	0	0	0
0.994157	0.983335	0	0	0	0	0	0
0.041564	0.050357	0	0	0	0	0	0
0.985532	0.992185	0	0	0	0	0	0
0.987156	0.990232	0	0	0	0	0	0
0.975795	0.990916	0	0	0	0	0	0
0.021089	0.014731	0	0	0	0	0	0
0.97635	0.960287	0	0	0	0	0	0
0.980382	0.986718	0	0	0	0	0	0
0.986206	0.942735	0	0	0	0	0	0
0.954201	0.949023	0	0	0	0	0	0
0.960745	0.871617	0	0	0	0	0	0
0.968183	0.934042	0	0	0	0	0	0
0.979292	0.973444	0	0	0	0	0	0
0.84434	0.945301	0	0	0	0	0	0
0.94788	0.948674	0	0	0	0	0	0
0.953175	0.95395	0	0	0	0	0	0
0.045357	0.019989	0	0	0	0	0	0
0.984664	0.995052	0	0	0	0	0	0
0.968063	0.966925	0	0	0	0	0	0
0.987129	0.994268	0	0	0	0	0	0
0.973501	0.990868	0	0	0	0	0	0
0.008358	0.010626	0	0	0	0	0	0
0.949628	0.944527	0	0	0	0	0	0

0.988643	0.997009	0	0	0	0	0	0
0.996245	0.998266	0	0	0	0	0	0
0.995232	0.996731	0	0	0	0	0	0
0.988214	0.997009	0	0	0	0	0	0
0.928566	0.905212	0	0	4	4	0	0
0.086088	0.052965	0	0	0	0	0	0
0.248235	0.1773	0	0	0	0	0	0
0.6539	0.514352	0	0	0	0	0	0
0.771574	0.963135	0.02	0	0	0	0	0
0.946163	0.95382	0	0	0	0	0	0
0.039444	0.046268	0	0	0	0	0	0
0.787315	0.528569	0	0	0	0	0	0
0.956268	0.977755	0	0	0	0	0	0
0.062596	0.032942	0	0	0	0	0	0
0.980422	0.981688	0	0	0	0	0	0
0.019418	0.017743	0	0	0	0	0	0
0.033092	0.026436	0	0	0	0	0	0
0.986946	0.947724	0	0	0	0	0	0
0.987388	0.951826	0	0	0	0	0	0
0.983518	0.955934	0	0	0	0	0	0
0.988155	0.982941	0	0	0	0	0	0
0.999098	0.999493	0	0	0	0	0	0
0.99965	0.999697	0	0	0	0	0	2
0.005714	0.010783	0	0	0	0	0	0
0.998368	0.997212	0	0	0	0	0	0
0.999088	0.998829	0	0	0	0	0	0
0.996624	0.996934	0	0	0	0	0	0
0.99606	0.995668	0	0	0	0	0	0
0.999529	0.998531	0	0	0	0	0	0
0.99708	0.999553	0	0	0	0	0	0
0.000692	0.001012	0	0	0	0	0	0
0.97751	0.94648	0.03	0	0	0	0	0
0.895774	0.964092	0.03	0	0	0	0	0
0.979809	0.962986	0	0	0	0	0	0
0.435393	0.760222	0	0	0	0	0	0
0.991336	0.996854	0	0	0	0	0	0
0.982784	0.992788	0	0	0	0	0	0
0.03892	0.018058	0	0	0	0	0	0
0.993355	0.996156	0	0	0	0	0	0
0.002496	0.001556	0	0	0	0	0	0
0.006017	0.00559	0	0	0	0	0	0
0.997701	0.993998	0	0	0	0	0	0
0.998457	0.997008	0	0	0	0	10	5
0.994432	0.996843	0	0	0	0	0	0
0.994461	0.99198	0	0	0	0	0	0
0.984004	0.995315	0	0	0	0	0	0
0.995561	0.981313	0	0	0	0	0	0

0.992712	0.894188	0.03	0	0	0	0	0
0.994672	0.960946	0	0	0	0	0	0
0.994729	0.996721	0	0	0	0	0	0
0.013863	0.055748	0	0	0	0	0	0
0.987959	0.981302	0	0	0	0	0	0
0.990061	0.987651	0	0	0	0	0	0
0.98393	0.962009	0	0	0	0	0	0
0.402953	0.525425	0	0	0	0	0	0
0.990926	0.969035	0	0	0	0	0	0
0.987736	0.972874	0	0	0	0	0	0
0.975147	0.970576	0	0	0	0	0	0
0.980928	0.980107	0	0	0	0	0	0
0.97045	0.978621	0	0	0	0	0	0
0.986758	0.96452	0	0	0	0	0	0
0.997046	0.999186	0	0	0	0	0	0
0.980148	0.960178	0	0	0	0	0	0
0.185988	0.42114	0	0	0	0	0	0
0.952265	0.937686	0	0	0	0	0	0
0.876156	0.183568	0.27	0	0	0	0	0
0.996977	0.995566	0	0	0	0	0	0
0.995984	0.991995	0	0	0	0	0	0
0.996853	0.99715	0	0	0	0	0	0
0.99602	0.99301	0	0	0	0	0	0
0.985469	0.994479	0	0	0	0	0	0
0.989329	0.928087	0.01	0	0	0	0	0
0.986816	0.983382	0	0	0	0	0	0
0.989914	0.987921	0	0	0	0	0	0
0.123817	0.348546	0	0	0	0	0	0
0.964558	0.904986	0	0	0	0	0	0
0.988136	0.995669	0	0	0	0	0	0
0.019666	0.039018	0	0	0	0	0	0
0.986479	0.989015	0	0	0	0	0	0
0.984654	0.988209	0	0	0	0	0	0
0.988667	0.989435	0	0	0	0	0	0
0.932908	0.119759	0.56	0	0	0	0	0
0.967302	0.938518	0	0	0	0	4	4
0.984748	0.947014	0	0	0	0	0	0
0.988754	0.981635	0	0	0	0	0	0
0.990631	0.990601	0	0	0	0	0	0
0.97562	0.971756	0	0	0	0	0	0
0.984972	0.986566	0	0	0	0	0	0
0.987598	0.989419	0	0	0	0	0	0
0.992778	0.668939	0.23	0	0	0	0	0
0.992601	0.997521	0	0	0	0	0	0
0.982687	0.997552	0	0	0	0	0	0
0.01766	0.084353	0	0	0	0	0	0
0.020482	0.157286	0.04	0	0	2	0	0

0.37604	0.418605	0	0	0	0	0	0
0.997415	0.962674	0	0	0	0	0	0
0.996773	0.904602	0.04	0	0	0	0	0
0.998019	0.998942	0	0	0	0	0	0
0.998286	0.998524	0	0	0	0	0	0
0.005364	0.018216	0	0	0	0	0	0
0.802483	0.237288	0.45	0	0	0	0	0
0.117382	0.175203	0	0	0	0	0	0
0.993605	0.968882	0	0	0	0	0	0
0.043721	0.135806	0	0	0	0	0	0
0.972796	0.990242	0	0	0	0	0	0
0.996758	0.996033	0	0	0	0	0	0
0.996279	0.995953	0	0	0	0	0	0
0.995512	0.997797	0	0	0	0	0	0
0.996683	0.999058	0	0	0	0	0	0
0.008434	0.016987	0	0	0	0	0	0
0.998208	0.997774	0	0	6	0	0	0
0.994297	0.994624	0	0	0	0	0	0
0.091097	0.039859	0.01	0	0	0	3	3
0.915227	0.337985	0.49	0	0	0	0	8
0.156417	0.284459	0	0	0	0	0	0
0.951445	0.976426	0	0	0	0	0	0
0.951928	0.971809	0	0	0	0	0	0
0.990548	0.983119	0	0	0	0	0	0
0.993258	0.977591	0	0	0	0	0	0
0.995232	0.991609	0	0	0	0	0	0
0.994395	0.99215	0	0	0	0	0	0
0.080694	0.260398	0	0	0	0	0	0
0.994407	0.967575	0	0	0	0	0	0
0.990862	0.979734	0	0	0	0	0	0
0.796452	0.87251	0	0	0	0	0	0
0.994172	0.985183	0	0	0	0	0	0
0.993674	0.990143	0	0	0	0	0	0
0.990847	0.988584	0	0	0	0	0	0
0.875703	0.945853	0	0	0	0	0	0
0.855655	0.939269	0	0	0	0	0	0
0.840815	0.937753	0	0	0	0	0	0
0.907102	0.959253	0	0	0	0	0	0
0.969338	0.937179	0	0	0	0	0	0
0.962363	0.943269	0	0	0	0	0	0
0.97613	0.96306	0	0	0	0	0	0
0.021879	0.04896	0	0	0	0	0	0
0.903804	0.657342	0.04	0	0	0	0	0
0.895715	0.623404	0.08	0	0	0	0	0
0.985505	0.940222	0	0	0	0	0	0
0.985645	0.980139	0	0	0	0	0	0
0.974106	0.971052	0	0	0	0	0	0

0.023068	0.093838	0	0	0	0	0	0
0.998553	0.997835	0	0	0	0	0	0
0.008156	0.020109	0	0	0	0	0	0
0.996039	0.99831	0	0	0	0	5	5
0.997747	0.999221	0	0	0	0	0	0
0.997816	0.998452	0	0	0	0	0	0
0.993608	0.994561	0	0	0	0	0	0
0.992838	0.988357	0	0	0	0	0	0
0.994969	0.998635	0	0	0	0	0	0
0.987324	0.939751	0	0	0	0	0	0
0.016002	0.01919	0	0	0	0	0	0
0.265646	0.030191	0.1	0	0	0	0	0
0.990627	0.987486	0	0	0	0	0	0
0.975537	0.829224	0.03	0	0	0	0	0
0.992842	0.984245	0	0	0	0	0	0
0.981033	0.938678	0	0	0	0	0	0
0.949174	0.987612	0	0	0	0	0	0
0.984017	0.658757	0.15	0	0	0	0	0
0.990007	0.99164	0	0	0	0	0	0
0.988592	0.979923	0	0	0	0	0	0
0.990877	0.979665	0	0	0	0	0	0
0.9921	0.987706	0	0	0	0	0	0
0.985296	0.990223	0	0	0	0	0	0
0.987449	0.991385	0	0	0	0	0	0
0.005704	0.063008	0.01	0	0	0	0	0
0.990444	0.98074	0	0	0	0	0	0
0.996988	0.995825	0	0	0	0	0	0
0.992801	0.995202	0	0	0	0	0	0
0.993089	0.992811	0	0	0	0	0	0
0.981694	0.930805	0.02	0	0	0	0	0
0.996387	0.99203	0	0	0	0	0	0
0.043943	0.058538	0	0	0	0	0	0
0.96139	0.858368	0	0	0	0	0	0
0.885399	0.322948	0.3	0	0	0	0	0
0.932708	0.962134	0	0	0	0	0	0
0.979379	0.971702	0	0	0	0	0	0
0.98291	0.960893	0	0	0	0	0	0
0.990674	0.993307	0	0	0	0	0	0
0.300162	0.302861	0	0	0	0	0	0
0.070132	0.038052	0	0	0	0	0	0
0.980419	0.964756	0	0	0	0	0	0
0.961338	0.963598	0	0	0	0	0	0
0.107789	0.034578	0	0	0	0	0	0
0.984825	0.961847	0	0	0	0	0	0
0.047846	0.029046	0	0	0	0	0	0
0.963611	0.836976	0	0	0	0	0	0
0.196346	0.220475	0	0	0	0	0	0

0.995069	0.992628	0	0	0	0	0	0
0.989847	0.977851	0	0	0	0	0	0
0.170198	0.29294	0	0	0	0	0	0
0.964517	0.944788	0	0	0	0	0	0
0.934527	0.529073	0.16	0	0	0	0	0
0.97527	0.9896	0	0	0	0	0	0
0.979176	0.990432	0	0	0	0	0	0
0.962052	0.963504	0	0	0	0	0	0
0.964294	0.842638	0	0	0	0	0	0
0.985701	0.953587	0	0	0	0	0	0
0.287716	0.305268	0	0	0	0	0	0
0.923528	0.615316	0	0	0	0	0	0
0.996115	0.995044	0	0	0	0	0	0
0.963162	0.945781	0	0	0	0	0	0
0.986584	0.963583	0	0	0	0	0	0
0.9932	0.984295	0	0	0	0	0	0
0.972703	0.923335	0	0	0	0	0	0
0.161401	0.17343	0	0	0	0	0	0
0.054841	0.312209	0.01	0	0	0	0	0
0.124529	0.272175	0	0	0	0	0	0
0.969504	0.993665	0	0	0	0	0	0
0.988185	0.995699	0	0	0	0	0	0
0.98834	0.994589	0	0	0	0	0	0
0.994132	0.984162	0	0	0	0	0	0
0.993298	0.974642	0	0	0	0	0	0
0.993556	0.990844	0	0	0	0	0	0
0.98182	0.990046	0	0	0	0	0	0
0.938818	0.94451	0	0	0	0	0	0
0.980809	0.982591	0	0	0	0	0	0
0.963724	0.974515	0	0	0	0	0	0
0.984288	0.970504	0	0	0	0	0	0
0.975732	0.883831	0	0	0	0	0	0
0.919471	0.98204	0	0	0	0	0	0
0.995877	0.996044	0	0	0	0	0	0
0.995522	0.99344	0	0	0	0	0	0
0.996352	0.997798	0	0	0	0	0	0
0.048455	0.145659	0	0	0	0	0	0
0.997496	0.948199	0.02	0	0	0	0	0
0.732702	0.641985	0	0	0	0	0	0
0.788364	0.657309	0	0	0	0	0	0
0.980237	0.919533	0	0	0	0	0	0
0.992785	0.979555	0	0	0	0	0	0
0.808183	0.766439	0	0	0	0	0	0
0.960605	0.931354	0	0	0	0	0	0
0.961594	0.939506	0	0	0	0	0	0
0.986838	0.987399	0	0	0	0	0	0
0.876127	0.790171	0	0	0	0	0	0

0.981268	0.93284	0	0	0	0	0	0
0.979768	0.954176	0	0	0	0	0	0
0.987856	0.941306	0	0	0	0	0	0
0.055652	0.075964	0	0	0	0	0	0
0.496066	0.690487	0	0	0	0	0	0
0.984176	0.953789	0	0	0	0	0	0
0.033035	0.077317	0	0	0	0	0	0
0.978198	0.969014	0	0	0	0	0	0
0.026134	0.067983	0	0	0	0	0	0
0.387317	0.605113	0	0	0	0	0	0
0.987348	0.986439	0	0	0	0	0	0
0.081789	0.400537	0.11	0	0	0	0	0
0.493494	0.7999	0.01	0	0	0	0	0
0.983063	0.985381	0	0	0	0	0	0
0.986921	0.972195	0	0	0	0	0	0
0.987284	0.950148	0	0	0	0	0	0
0.988727	0.991787	0	0	0	0	0	0
0.98611	0.992025	0	0	0	0	0	0
0.990745	0.991371	0	0	0	0	0	0
0.993187	0.954587	0	0	0	0	0	0
0.043615	0.022456	0	0	0	0	0	0
0.838646	0.983801	0.01	0	0	0	0	0
0.95237	0.945363	0	0	0	0	0	0
0.992062	0.982262	0	0	0	0	0	0
0.985568	0.988972	0	0	0	0	0	0
0.897898	0.967053	0	0	0	0	0	0
0.903165	0.955152	0	0	0	0	0	0
0.988002	0.993323	0	0	0	0	0	0
0.163321	0.217982	0	0	0	0	0	0
0.063115	0.070302	0	0	0	0	0	0
0.970194	0.891332	0	0	0	0	0	0
0.987914	0.97729	0	0	0	0	0	0
0.022675	0.022786	0	0	0	0	0	0
0.973524	0.984248	0	0	0	0	0	0
0.255112	0.302164	0	0	0	0	0	0
0.87188	0.957467	0.02	0	0	0	0	0
0.953021	0.957956	0	0	0	0	0	0
0.956969	0.92643	0	0	0	0	0	0
0.057019	0.277209	0	0	0	0	0	0
0.994381	0.997759	0	0	0	0	0	0
0.010121	0.011081	0	0	0	0	0	0
0.996428	0.99657	0	0	0	0	0	0
0.961953	0.972403	0	0	0	0	0	0
0.980109	0.981713	0	0	0	0	0	0
0.984312	0.985675	0	0	0	0	0	0
0.980854	0.956559	0	0	0	0	0	0
0.983209	0.966174	0	0	0	0	0	0

0.832777	0.793062	0	0	0	0	0	0
0.90588	0.847004	0	0	0	0	0	0
0.94542	0.802431	0	0	0	0	0	0
0.918288	0.559508	0.01	0	0	0	0	0
0.999659	0.999868	0	0	0	0	0	0
0.333541	0.332645	0	0	0	0	2	12
0.972087	0.986157	0	0	0	0	0	0
0.972969	0.987341	0	0	0	0	0	0
0.976608	0.987521	0	0	0	0	0	0
0.838371	0.870463	0	0	0	0	0	0
0.964148	0.963574	0	0	0	0	0	0
0.969827	0.916583	0	0	0	0	0	0
0.996867	0.991663	0	0	0	0	0	0
0.01455	0.004254	0	0	0	0	0	0
0.994299	0.994492	0	0	0	0	0	0
0.994104	0.99137	0	0	0	0	0	0
0.997874	0.996497	0	0	0	0	0	0
0.987113	0.963669	0	0	0	0	0	0
0.002955	0.003217	0	0	0	0	0	0
0.001222	0.021847	0.02	0	0	0	0	0
0.977164	0.985565	0	0	0	0	0	0
0.024835	0.019655	0	0	0	0	0	0
0.986099	0.990592	0	0	0	0	0	0
0.653109	0.745658	0	0	0	0	0	0
0.944938	0.967328	0	0	0	0	0	0
0.029381	0.047157	0	0	0	0	0	0
0.913478	0.702215	0.06	0	0	0	0	0
0.988006	0.929975	0.01	0	0	0	0	0
0.943382	0.890791	0	0	0	0	0	0
0.968244	0.934638	0	0	0	0	0	0
0.992288	0.9821	0	0	0	0	3	0
0.989504	0.985987	0	0	0	0	0	0
0.001702	0.004363	0	0	0	0	0	0
0.036806	0.041852	0	0	0	0	0	0
0.027303	0.290416	0.18	0	0	0	0	0
0.974472	0.959936	0	0	0	0	0	0
0.406786	0.821987	0	0	0	0	0	0
0.94289	0.944103	0	0	0	0	0	0
0.99907	0.997241	0	0	0	0	0	0
0.967352	0.979622	0	0	0	0	0	0
0.986551	0.987343	0	0	0	0	0	0
0.986263	0.943102	0	0	0	0	0	0
0.054666	0.032251	0	0	0	0	0	0
0.961374	0.949087	0	0	0	0	0	0
0.924396	0.90496	0	0	0	0	0	0
0.985856	0.99158	0	0	0	4	0	0
0.837506	0.947971	0.02	0	0	0	0	0

0.979505	0.988322	0	0	0	0	0	0
0.99203	0.985217	0	0	0	0	0	0
0.992904	0.993059	0	0	0	0	0	0
0.992474	0.991869	0	0	0	0	0	0
0.939438	0.956773	0	0	0	0	0	0
0.016937	0.01231	0	0	0	0	0	0
0.994053	0.970957	0	0	0	0	0	0
0.976187	0.789571	0.02	0	0	0	0	0
0.039729	0.096431	0	0	0	0	0	0
0.102034	0.070974	0	0	0	0	0	0
0.983342	0.876394	0.03	0	0	0	0	0
0.129834	0.195317	0	0	0	0	0	0
0.227571	0.15966	0	0	0	0	0	0
0.088805	0.049208	0	0	0	0	0	0
0.026914	0.068471	0	0	0	0	0	0
0.996613	0.996103	0	0	0	0	0	0
0.104704	0.045465	0	0	0	0	0	0
0.090698	0.035494	0	0	0	0	0	0
0.542956	0.947232	0.1	0	0	0	0	0
0.951632	0.948191	0	0	0	0	0	0
0.950223	0.957083	0	0	0	0	0	0
0.985365	0.931099	0	0	0	0	0	0
0.1299	0.523579	0.18	7	0	0	0	0
0.993164	0.974382	0	7	0	0	0	0
0.0129	0.121399	0.03	0	0	0	0	0
0.994458	0.992416	0	0	0	0	0	0
0.013681	0.155616	0.02	0	0	0	0	0
0.009475	0.018001	0	0	0	0	0	0
0.118454	0.062012	0	0	0	0	0	0
0.182295	0.072335	0	0	0	0	0	0
0.992347	0.653211	0.18	0	0	0	0	0
0.080494	0.135719	0	0	0	0	0	0
0.460285	0.771663	0.12	0	0	0	0	0
0.164702	0.204609	0	0	0	0	0	0
0.086217	0.161575	0	0	0	0	0	0
0.981535	0.879132	0	0	0	0	0	0
0.988626	0.925551	0	0	0	0	0	0
0.840574	0.808538	0	0	0	0	0	0
0.864774	0.834909	0	0	0	0	0	0
0.994924	0.996657	0	0	0	0	0	0
0.010358	0.006055	0	0	0	0	0	0
0.008768	0.003567	0	0	0	0	0	0
0.203585	0.17235	0	0	0	0	0	0
0.985652	0.982325	0	0	0	0	0	0
0.966287	0.888903	0	0	0	0	2	2
0.988623	0.985304	0	0	0	0	0	0
0.983874	0.979738	0	0	0	0	0	0

0.992927	0.994856	0	0	0	0	0	0
0.047784	0.077471	0	0	0	0	0	0
0.984751	0.995134	0	0	0	0	0	0
0.964959	0.968001	0	0	0	0	0	0
0.97677	0.9839	0	0	0	0	0	0
0.973095	0.964767	0	0	0	0	0	0
0.577146	0.793899	0	0	0	0	0	0
0.95694	0.96121	0	0	0	0	0	0
0.983356	0.967649	0	0	0	0	0	0
0.029155	0.16947	0	0	0	0	0	0
0.980758	0.966034	0	0	0	0	0	0
0.990976	0.989805	0	0	0	0	0	0
0.027232	0.029172	0	0	0	0	0	0
0.853651	0.782346	0	0	0	0	0	0
0.979418	0.976588	0	0	0	0	0	0
0.978783	0.970535	0	0	0	0	0	0
0.144683	0.058503	0	0	0	0	0	0
0.993018	0.987722	0	0	0	0	0	0
0.984289	0.943193	0	0	0	0	0	0
0.960994	0.861386	0	0	0	0	0	0
0.978649	0.970098	0	0	0	0	0	0
0.972366	0.945594	0	0	0	0	0	0
0.877795	0.79784	0	0	0	0	0	0
0.998319	0.95968	0.01	0	0	0	0	0
0.882685	0.92059	0	8	0	0	0	0
0.486663	0.149155	0.25	0	0	0	0	0
0.997298	0.997099	0	0	0	0	0	0
0.004865	0.004907	0	0	0	0	0	0
0.991877	0.994006	0	0	0	0	0	0
0.989725	0.994449	0	0	0	0	0	0
0.053882	0.091284	0	0	0	6	3	3
0.997811	0.998783	0	0	0	0	0	0
0.998504	0.997923	0	0	0	0	0	0
0.945907	0.95059	0	0	0	0	0	0
0.99367	0.99147	0	0	0	0	0	0
0.997576	0.992474	0	0	0	0	0	0
0.071743	0.17277	0	0	0	0	0	0
0.983479	0.945351	0	0	0	0	0	0
0.980019	0.946042	0	0	0	0	0	0
0.022819	0.086022	0	0	0	0	0	0
0.98641	0.95946	0	0	0	0	0	0
0.859459	0.583456	0.11	0	0	0	0	0
0.825208	0.691534	0	0	0	0	0	0
0.78041	0.663689	0	0	0	0	0	0
0.986983	0.9857	0	0	0	0	0	0
0.964842	0.903282	0	0	0	0	0	0
0.971734	0.87746	0	0	0	0	0	0

0.69913	0.856754	0	0	0	0	0	0
0.624129	0.825429	0	0	0	0	0	0
0.551066	0.865547	0	0	0	0	0	0
0.682911	0.75379	0	0	0	0	0	0
0.864074	0.903656	0	0	0	0	0	0
0.950275	0.968295	0	0	0	0	0	0
0.979717	0.975862	0	0	0	0	0	0
0.982641	0.979017	0	0	0	0	0	0
0.980232	0.972329	0	0	0	0	0	0
0.163641	0.137638	0	0	0	0	0	0
0.981221	0.945063	0	0	0	0	0	0
0.966618	0.969267	0	0	0	0	0	0
0.984887	0.979835	0	0	0	0	0	0
0.985133	0.917599	0	0	0	0	0	0
0.98329	0.961756	0	0	0	0	0	0
0.980421	0.964466	0	0	0	0	0	0
0.966025	0.953817	0	0	0	0	0	0
0.964123	0.915588	0	0	0	0	0	0
0.969159	0.913142	0	0	0	0	0	0
0.972432	0.971625	0	0	0	0	0	0
0.960229	0.955883	0	0	0	0	0	0
0.060118	0.055077	0	0	0	0	0	0
0.979229	0.957536	0	0	0	0	0	0
0.347894	0.410925	0	0	0	0	0	0
0.979686	0.964428	0	0	0	0	0	0
0.996245	0.988023	0	0	8	0	0	1
0.99865	0.998843	0	0	0	0	0	0
0.997115	0.993209	0	0	0	0	0	0
0.984878	0.987801	0	0	0	0	0	0
0.997425	0.991101	0	0	0	0	0	0
0.652859	0.749701	0	0	6	12	4	3
0.990921	0.591456	0.29	0	0	0	0	0
0.991953	0.978115	0	0	0	0	0	0
0.011139	0.025446	0	0	0	0	0	0
0.994078	0.987327	0	0	0	0	0	0
0.007693	0.007653	0	0	0	0	0	0
0.995881	0.978091	0	0	0	0	0	0
0.995077	0.996882	0	0	0	0	0	0
0.994857	0.991597	0	0	0	5	0	0
0.04106	0.028341	0	0	0	0	0	0
0.028186	0.033347	0	0	0	0	0	0
0.02433	0.010394	0	0	0	0	0	0
0.989609	0.993671	0	0	0	0	0	0
0.987234	0.991684	0	0	0	0	0	0
0.991564	0.981215	0	0	0	0	0	0
0.967312	0.951043	0	0	0	0	0	0
0.979529	0.985983	0	0	0	0	0	0

0.056567	0.16702	0	0	0	0	0	0
0.054627	0.035541	0	0	0	0	0	0
0.368297	0.222909	0	0	0	0	0	0
0.956458	0.944142	0	0	0	0	0	0
0.944628	0.949915	0	0	0	0	0	0
0.988056	0.98283	0	0	0	0	0	0
0.984867	0.987203	0	0	0	0	0	0
0.982517	0.984514	0	0	0	0	0	0
0.982124	0.974521	0	0	0	0	0	0
0.970311	0.963364	0	0	0	0	0	0
0.251071	0.235681	0	0	0	0	0	0
0.985584	0.978374	0	0	0	0	0	0
0.988321	0.9798	0	0	0	0	0	0
0.946872	0.94826	0	0	0	0	0	0
0.971948	0.973441	0	0	0	0	0	0
0.039804	0.048359	0	0	0	0	0	0
0.908282	0.928962	0	0	0	0	0	0
0.949674	0.888387	0	0	0	0	0	0
0.954114	0.955043	0	0	0	0	0	0
0.998879	0.996192	0	0	0	0	0	0
0.99663	0.979777	0	0	0	0	0	0
0.998957	0.994344	0	0	0	0	0	0
0.99897	0.996885	0	0	0	0	0	0
0.995513	0.99177	0	2	0	0	0	5
0.995938	0.985247	0	3	0	0	0	0
0.996903	0.99515	0	0	0	0	0	0
0.024437	0.102689	0	0	0	0	0	0
0.023603	0.059169	0	0	0	0	0	0
0.203262	0.041589	0.01	0	0	0	0	0
0.953109	0.893254	0	0	0	0	0	0
0.973675	0.916963	0	0	0	0	0	0
0.97581	0.962454	0	0	0	0	0	0
0.978624	0.96174	0	0	0	0	0	0
0.985802	0.984144	0	0	0	0	0	0
0.987186	0.980021	0	0	0	0	0	0
0.903552	0.886185	0	0	0	0	0	0
0.996892	0.996535	0	0	0	0	0	0
0.996462	0.997563	0	0	0	0	0	0
0.989088	0.955862	0.01	0	0	0	0	0
0.982084	0.845765	0.01	0	0	0	0	0
0.983358	0.971814	0	0	0	0	0	0
0.988426	0.965881	0	0	0	0	0	0
0.98946	0.981475	0	0	0	0	0	0
0.991172	0.98211	0	0	0	0	0	0
0.988814	0.97267	0	0	0	0	0	0
0.977618	0.962932	0	0	0	0	0	0
0.983231	0.968277	0	0	0	0	0	0

0.509058	0.513761	0	0	0	0	0	0
0.981749	0.990418	0	0	0	0	0	0
0.040082	0.088716	0	0	0	0	0	0
0.991239	0.980656	0	0	0	0	0	0
0.01257	0.034328	0	0	0	0	0	0
0.991397	0.954596	0	0	0	0	0	0
0.00718	0.03058	0	0	0	0	0	0
0.996628	0.99407	0	0	0	0	0	0
0.024207	0.07029	0	0	0	0	0	0
0.006321	0.043195	0	0	0	0	0	0
0.013923	0.12832	0.04	0	0	0	0	0
0.989131	0.962409	0	0	0	0	0	0
0.977134	0.963824	0	0	0	0	0	0
0.934774	0.931954	0	0	0	0	0	0
0.983324	0.941076	0	0	0	0	0	0
0.99271	0.990252	0	0	0	0	0	0
0.991388	0.991296	0	0	0	0	0	0
0.994211	0.992549	0	0	0	0	0	0
0.991702	0.994834	0	0	0	0	0	0
0.975321	0.944395	0	0	0	0	0	0
0.985162	0.962702	0	0	0	0	0	0
0.897473	0.762954	0	0	0	0	0	0
0.984955	0.946898	0	0	0	0	0	0
0.985058	0.968891	0	0	0	0	0	0
0.231028	0.299783	0	0	0	0	0	0
0.983073	0.79704	0.04	0	0	0	0	0
0.980605	0.953326	0	0	0	0	0	0
0.987443	0.983543	0	0	0	0	0	0
0.026554	0.028225	0	0	0	0	0	0
0.988594	0.985275	0	0	0	0	0	0
0.988604	0.980332	0	0	0	0	0	0
0.97981	0.972528	0	0	0	0	0	0
0.978588	0.988878	0	0	0	0	0	0
0.984441	0.980829	0	0	0	0	0	0
0.985399	0.980397	0	0	0	0	0	0
0.983258	0.972843	0	0	0	0	0	0
0.977186	0.976887	0	0	0	0	0	0
0.99766	0.99822	0	0	0	0	0	0
0.004112	0.002896	0	0	0	0	0	0
0.106585	0.035582	0	0	0	6	0	0
0.997377	0.991695	0	0	0	0	0	0
0.997902	0.987393	0	0	0	0	0	0
0.9547	0.912818	0	0	0	0	0	0
0.007833	0.013688	0	0	0	0	0	0
0.40592	0.634051	0	0	0	0	0	0
0.034265	0.02274	0	0	0	0	0	0
0.102708	0.082502	0	0	0	0	0	0

0.029954	0.081825	0	0	0	0	0	0
0.948925	0.471865	0.24	0	0	0	0	0
0.948292	0.939815	0	0	0	0	0	0
0.969729	0.907351	0.02	0	0	0	0	0
0.987263	0.96565	0.01	0	0	0	0	0
0.995232	0.978715	0.01	0	0	0	0	0
0.958641	0.973076	0	0	0	0	0	0
0.96028	0.954345	0	0	0	0	0	0
0.953018	0.965674	0	0	0	0	0	0
0.971243	0.966481	0	0	0	0	0	0
0.95078	0.97881	0	0	0	0	0	0
0.943293	0.991637	0	0	0	0	0	0
0.088242	0.060047	0	0	0	0	0	0
0.963584	0.978072	0	0	0	0	0	0
0.989075	0.931834	0	0	0	0	0	0
0.991804	0.914162	0.02	0	0	0	0	0
0.998028	0.99565	0	0	0	0	0	0
0.996782	0.987717	0	0	0	0	0	0
0.98624	0.957432	0	0	0	0	0	0
0.982858	0.953948	0	0	0	0	0	0
0.968791	0.765201	0	0	0	0	0	0
0.984455	0.94135	0	0	0	0	0	0
0.978919	0.957957	0	0	0	0	0	0
0.991557	0.996457	0	0	0	0	0	0
0.988667	0.96419	0	0	0	0	0	0
0.032469	0.101907	0	0	0	0	0	0
0.897066	0.895365	0	0	0	0	0	0
0.999773	0.99982	0	0	0	0	0	0
0.00031	0.000236	0	0	0	0	0	0
0.000271	0.000439	0	0	0	0	0	0
0.011466	0.009334	0	0	0	0	0	0
0.023172	0.041031	0	0	0	0	0	0
0.997047	0.908461	0.06	0	0	0	0	0
0.425967	0.54645	0	0	0	0	0	0
0.004664	0.01611	0	0	0	0	0	0
0.99902	0.997843	0	0	0	0	0	0
0.943921	0.932158	0	0	0	0	0	0
0.081214	0.076881	0	0	0	0	0	0
0.095065	0.07082	0	0	0	0	0	0
0.967372	0.97367	0	0	0	0	0	0
0.966372	0.960633	0	0	0	0	0	0
0.955196	0.963687	0	0	0	0	0	0
0.004753	0.009069	0	0	0	0	0	0
0.564262	0.772652	0.24	0	0	0	0	0
0.03243	0.056923	0	0	0	0	0	0
0.993405	0.973479	0	0	0	0	0	0
0.015102	0.036975	0	0	0	0	0	0

0.971254	0.951046	0	0	0	0	0	0
0.882028	0.780533	0	0	0	0	0	0
0.99141	0.971688	0	0	0	0	0	0
0.932649	0.834147	0	0	0	0	0	0
0.937049	0.824315	0	0	0	0	0	0
0.954839	0.93105	0	0	0	0	0	0
0.96734	0.953528	0	0	0	0	0	0
0.908305	0.664871	0	0	0	0	0	0
0.981233	0.975146	0	0	0	0	0	0
0.957261	0.928171	0	0	0	0	0	0
0.967775	0.936416	0	0	0	0	0	0
0.950893	0.92334	0	0	0	0	0	0
0.956011	0.957717	0	0	0	0	0	0
0.946964	0.942086	0	0	0	0	0	0
0.941277	0.757849	0	0	0	0	0	0
0.948921	0.957657	0	0	0	0	0	0
0.078511	0.044861	0	0	0	0	0	0
0.945128	0.905399	0	0	0	0	0	0
0.979917	0.977148	0	0	0	0	0	0
0.032109	0.039021	0	0	0	0	0	0
0.991764	0.943261	0	0	0	0	0	0
0.988516	0.838377	0.03	0	0	0	0	0
0.901102	0.731655	0	0	0	0	0	0
0.994101	0.996477	0	0	0	0	0	0
0.997311	0.998232	0	0	0	0	5	5
0.898047	0.793844	0	0	0	0	0	0
0.995478	0.984194	0	0	0	0	0	0
0.99776	0.992035	0	0	0	0	0	0
0.844582	0.483863	0.19	0	0	0	0	0
0.994727	0.866551	0.05	0	0	0	0	0
0.982445	0.838088	0.02	0	0	0	0	0
0.97574	0.918157	0	0	0	0	0	0
0.9477	0.953627	0	0	0	0	0	0
0.977225	0.967137	0	0	0	0	0	0
0.505316	0.479327	0	0	0	0	0	0
0.972239	0.929548	0	0	0	0	0	0
0.003214	0.000172	0	0	0	0	0	0
0.97873	0.956007	0	0	0	0	0	0
0.986974	0.946412	0	0	0	0	0	0
0.995862	0.965815	0	0	0	0	0	0
0.949051	0.972598	0	0	0	0	0	0
0.986543	0.994196	0	0	0	0	0	0
0.975227	0.986285	0	0	0	0	0	0
0.978564	0.846503	0.02	0	0	0	0	0
0.983294	0.982179	0	0	0	0	0	0
0.986144	0.971207	0	0	0	0	0	0
0.986066	0.975892	0	0	0	0	0	0

0.987792	0.981425	0	0	0	0	0	0
0.983876	0.958953	0	0	0	0	0	0
0.982853	0.944791	0	0	0	0	0	0
0.994721	0.987685	0	0	0	0	0	0
0.091437	0.190878	0	0	0	0	0	0
0.972452	0.962046	0	0	0	0	0	0
0.9959	0.995395	0	0	0	0	0	0
0.035204	0.03879	0	0	0	0	0	0
0.996101	0.991246	0	0	0	0	0	0
0.977428	0.948944	0	0	0	0	0	0
0.980248	0.95424	0	0	0	0	0	0
0.966532	0.95664	0	0	0	0	0	0
0.976514	0.972427	0	0	0	0	0	0
0.974484	0.961167	0	0	0	0	0	0
0.927444	0.97326	0	0	0	0	0	0
0.913521	0.96575	0	0	0	0	0	0
0.891253	0.940899	0	0	0	0	0	0
0.945475	0.915441	0	0	0	0	0	0
0.995885	0.990484	0	0	0	5	0	0
0.993831	0.99554	0	0	0	0	0	1
0.995355	0.998374	0	0	10	0	0	0
0.991324	0.985426	0	0	0	0	0	0
0.994481	0.982022	0	0	0	0	0	0
0.972362	0.964838	0	0	0	0	0	0
0.992453	0.990552	0	0	0	0	0	0
0.010115	0.03373	0	0	0	0	0	0
0.995486	0.994096	0	0	0	0	0	0
0.994882	0.991444	0	0	0	0	0	0
0.996631	0.989929	0	0	0	0	0	0
0.996197	0.99476	0	0	0	0	0	0
0.99619	0.991544	0	0	0	0	0	0
0.931672	0.886576	0	0	0	0	0	0
0.997732	0.996795	0	0	0	0	0	0
0.161739	0.407727	0	0	0	0	0	0
0.996843	0.948802	0	0	0	0	0	0
0.992424	0.992568	0	0	0	0	0	0
0.056707	0.093819	0	0	0	0	0	0
0.963017	0.947953	0	0	0	0	0	0
0.977302	0.982421	0	0	0	0	0	0
0.978016	0.962446	0	0	0	0	0	0
0.821178	0.969037	0	0	0	0	0	0
0.995729	0.980011	0	0	0	0	0	0
0.99552	0.972222	0	0	0	0	0	0
0.998146	0.975847	0	0	0	0	0	0
0.997338	0.958134	0.01	0	0	0	0	0
0.997788	0.983429	0	0	0	0	0	0
0.997566	0.956932	0	0	0	0	0	0

0.99081	0.965668	0	0	0	0	0	0
0.990695	0.981848	0	0	0	0	0	0
0.989354	0.965864	0	0	0	0	0	0
0.878405	0.540868	0.12	0	0	0	0	0
0.970727	0.966921	0	0	0	0	0	0
0.970674	0.967846	0	0	0	0	0	0
0.979754	0.969165	0	0	0	0	0	0
0.981137	0.933098	0	0	0	0	0	0
0.997312	0.997407	0	0	0	0	0	0
0.996063	0.995571	0	0	0	0	0	0
0.875814	0.830086	0	0	0	0	0	0
0.997158	0.998522	0	0	0	0	0	0
0.024959	0.103784	0	0	0	0	0	0
0.992488	0.992768	0	0	0	0	0	0
0.011004	0.007511	0	0	0	0	0	0
0.022131	0.177104	0.06	0	0	0	0	0
0.007182	0.03781	0	0	0	0	0	0
0.010028	0.012529	0	0	0	0	0	0
0.994974	0.993242	0	0	0	0	0	0
0.985784	0.987127	0	0	0	0	0	0
0.99205	0.996918	0	0	0	0	0	0
0.979565	0.859776	0	0	0	0	0	0
0.977715	0.948181	0	0	0	0	0	0
0.989616	0.958262	0	0	0	0	0	0
0.01994	0.008985	0	0	0	0	0	0
0.982434	0.995171	0	0	0	0	0	0
0.985541	0.985291	0	0	0	0	0	0
0.254109	0.736322	0.11	0	0	0	0	0
0.978326	0.977887	0	0	0	0	0	0
0.993644	0.996155	0	0	0	0	0	0
0.992316	0.949208	0	0	0	0	0	0
0.9903	0.97542	0	0	0	0	0	0
0.975382	0.963327	0	0	0	0	0	0
0.985317	0.966902	0	0	0	0	0	0
0.982261	0.932437	0	0	0	0	0	0
0.968487	0.970105	0	0	0	0	0	0
0.984538	0.93963	0	0	0	0	0	0
0.337411	0.101819	0	0	0	0	0	0
0.943951	0.953574	0	0	0	0	0	0
0.04337	0.01997	0	0	0	0	0	0
0.964347	0.93075	0	0	0	0	0	0
0.963643	0.954571	0	0	0	0	0	0
0.9451	0.879412	0	0	0	0	0	0
0.929704	0.966925	0	0	0	0	0	0
0.052269	0.074227	0	0	0	0	0	0
0.945029	0.923829	0	0	0	0	0	0
0.989452	0.95594	0	0	0	0	0	0

0.02698	0.06023	0	0	0	0	0	0
0.798901	0.688044	0.01	0	0	0	0	0
0.771948	0.70823	0	0	0	0	0	0
0.986739	0.989472	0	0	0	0	0	0
0.987941	0.983867	0	0	0	0	0	0
0.970845	0.916514	0	0	0	0	0	0
0.036308	0.04341	0	0	0	0	0	0
0.728357	0.728731	0	0	0	0	0	0
0.102239	0.174557	0	0	0	0	0	0
0.99856	0.967485	0.01	0	0	0	0	0
0.997532	0.997712	0	0	0	0	0	0
0.953078	0.952576	0	0	0	0	0	0
0.997994	0.998609	0	0	0	0	0	0
0.993252	0.996575	0	0	0	0	0	0
0.993055	0.996598	0	0	0	0	0	0
0.996703	0.989328	0	0	0	0	0	0
0.997924	0.999043	0	0	0	0	0	0
0.889422	0.902393	0	0	0	0	0	0
0.980335	0.973243	0	0	0	0	0	0
0.846492	0.879635	0	0	0	0	0	0
0.983343	0.986604	0	0	0	0	0	0
0.973769	0.972994	0	0	0	0	0	0
0.046043	0.074419	0	0	0	0	0	0
0.984013	0.981115	0	0	0	0	0	0
0.027431	0.025145	0	0	0	0	0	0
0.984787	0.97506	0	0	0	0	0	0
0.03669	0.037469	0	0	0	0	0	0
0.083543	0.00796	0.01	0	0	0	0	0
0.041005	0.022969	0	0	0	0	0	0
0.170815	0.168295	0	0	0	0	0	0
0.979096	0.992887	0	0	0	0	0	0
0.98289	0.995096	0	0	0	0	0	0
0.987684	0.995777	0	0	0	0	0	0
0.998167	0.998008	0	0	0	0	0	0
0.581902	0.793942	0.1	0	0	0	0	0
0.821425	0.738859	0	0	0	1	0	0
0.97971	0.986553	0	0	0	0	0	0
0.993905	0.991152	0	0	0	0	0	0
0.993512	0.995394	0	0	0	0	0	0
0.988019	0.990712	0	0	0	0	0	0
0.991873	0.991858	0	0	0	0	0	0
0.992287	0.990992	0	0	0	0	0	0
0.983555	0.978973	0	0	0	0	0	0
0.9935	0.98118	0	0	0	0	0	0
0.98168	0.974773	0	0	0	0	0	0
0.967736	0.929296	0	0	0	0	0	0
0.984674	0.988464	0	0	0	0	0	0

0.992403	0.991939	0	0	0	0	0	0
0.995801	0.995238	0	0	0	0	0	0
0.995519	0.9963	0	0	0	0	0	0
0.007895	0.010052	0	0	0	0	0	0
0.994476	0.985947	0	0	0	0	0	0
0.012621	0.030853	0	0	0	0	0	0
0.995383	0.977051	0	0	0	0	0	0
0.997307	0.99693	0	0	0	0	0	0
0.999684	0.999824	0	0	0	0	0	0
0.986353	0.992426	0	0	0	0	0	0
0.944023	0.967236	0	0	0	0	0	0
0.890654	0.911679	0	0	0	0	0	0
0.997042	0.991943	0	0	0	0	0	0
0.550551	0.14844	0.32	0	0	0	0	0
0.995795	0.239708	0.71	0	0	0	0	0
0.983981	0.928258	0	0	0	0	0	0
0.960914	0.99253	0	0	0	0	0	0
0.949223	0.869025	0	0	0	0	0	0
0.993994	0.991299	0	0	0	0	0	0
0.904547	0.96215	0	0	0	0	0	0
0.973739	0.989758	0	0	0	0	0	0
0.970386	0.985359	0	0	0	0	0	0
0.965986	0.973889	0	0	0	0	0	0
0.94603	0.897227	0	0	0	0	0	0
0.058137	0.035533	0	0	0	0	0	0
0.966284	0.797754	0.01	0	0	0	0	0
0.96015	0.909144	0	0	0	0	0	0
0.952076	0.961945	0	0	0	0	0	0
0.904905	0.839889	0	0	0	0	0	0
0.957695	0.90905	0	0	0	0	0	0
0.94607	0.91492	0	0	0	0	0	0
0.064155	0.047155	0	0	0	0	0	0
0.943571	0.984033	0	0	0	0	0	0
0.946649	0.980682	0	0	0	0	0	0
0.96949	0.973308	0	0	0	0	0	0
0.94056	0.902715	0	0	0	0	0	0
0.92186	0.805051	0	0	0	0	0	0
0.930214	0.938468	0	0	0	0	0	0
0.988814	0.994996	0	0	0	0	0	0
0.994563	0.997758	0	0	0	0	0	0
0.996016	0.928421	0	0	0	0	0	0
0.995391	0.993625	0	0	0	0	0	0
0.99638	0.998224	0	0	0	0	0	0
0.989652	0.988001	0	0	0	0	0	0
0.035457	0.018475	0	0	0	0	0	0
0.982252	0.972999	0	0	0	0	0	0
0.985598	0.973491	0	0	0	0	0	0

0.986989	0.948514	0	0	0	0	0	0
0.987277	0.98082	0	0	0	0	0	0
0.924534	0.980614	0	0	0	0	0	0
0.996913	0.996293	0	0	0	0	0	0
0.994392	0.996611	0	3	0	0	0	0
0.994464	0.990928	0	0	0	0	0	0
0.994459	0.983228	0	0	0	0	0	0
0.407495	0.61586	0	0	0	0	0	0
0.99278	0.969123	0	0	0	0	0	0
0.994068	0.983745	0	0	0	0	0	0
0.989252	0.947068	0	0	0	0	0	0
0.015477	0.083626	0	0	0	0	0	0
0.037646	0.084944	0	0	0	0	0	0
0.998589	0.996254	0	0	0	0	1	1
0.998976	0.994855	0	0	0	0	0	0
0.998519	0.996316	0	0	0	0	0	0
0.999192	0.997376	0	0	0	0	0	0
0.999079	0.997633	0	0	0	0	0	0
0.970868	0.961932	0	0	0	0	0	0
0.987722	0.937124	0	0	0	0	0	0
0.996269	0.99425	0	0	0	0	0	0
0.951624	0.95618	0	0	0	0	0	0
0.980806	0.924396	0	0	0	0	0	0
0.962638	0.806693	0	0	0	0	0	0
0.963417	0.95191	0	0	0	0	0	0
0.964144	0.935887	0	0	0	0	0	0
0.976063	0.972312	0	0	0	0	0	0
0.967744	0.994972	0	0	0	0	0	0
0.986904	0.95048	0	0	0	0	0	0
0.992482	0.993	0	0	0	0	0	0
0.98031	0.991694	0	0	0	0	0	0
0.983672	0.987654	0	0	0	0	0	0
0.97341	0.950844	0	0	0	0	0	0
0.994093	0.873714	0	0	0	0	0	0
0.988963	0.98498	0	0	0	0	0	0
0.987381	0.971118	0	0	0	0	0	0
0.986953	0.94127	0	0	0	0	0	0
0.892303	0.951917	0	0	0	0	0	0
0.965273	0.932393	0	0	0	0	0	0
0.948415	0.988345	0	0	0	0	0	0
0.069386	0.544728	0.18	0	0	0	0	0
0.97966	0.927145	0	0	0	0	0	0
0.938839	0.938377	0	0	0	0	0	0
0.957745	0.932392	0	0	0	0	0	0
0.982246	0.987176	0	0	0	0	0	0
0.93432	0.983448	0	0	0	0	0	0
0.980519	0.947638	0	0	0	0	0	0

0.982393	0.874691	0.02	0	0	0	0	0
0.980644	0.911717	0	0	0	0	0	0
0.992994	0.99524	0	0	0	0	0	0
0.994625	0.992817	0	0	0	0	0	0
0.991861	0.990892	0	0	0	0	0	0
0.978804	0.910359	0	0	0	0	5	0
0.975928	0.584117	0.13	0	0	0	0	0
0.02896	0.026112	0	0	0	0	0	0
0.948467	0.964033	0	0	0	0	0	0
0.949369	0.96073	0	0	0	0	0	0
0.991262	0.995607	0	0	0	0	0	0
0.986957	0.988653	0	0	0	0	0	0
0.993365	0.955862	0	0	0	0	0	0
0.650587	0.164931	0.17	0	0	0	0	0
0.032288	0.255283	0.11	0	0	6	0	0
0.99898	0.998515	0	0	0	0	0	0
0.994704	0.996862	0	0	0	0	0	0
0.939155	0.943135	0	0	0	0	0	0
0.918952	0.915135	0	0	0	0	7	7
0.965301	0.885121	0	0	0	0	0	0
0.897856	0.691209	0	0	0	0	0	0
0.993458	0.963431	0	0	0	0	0	0
0.991856	0.900981	0	0	0	0	0	0
0.037485	0.155718	0	0	0	0	0	0
0.945875	0.964565	0	0	0	0	0	0
0.992565	0.946448	0	0	0	0	0	0
0.03378	0.064274	0	0	0	0	0	0
0.960093	0.872965	0	0	0	0	0	0
0.97834	0.885283	0	0	0	0	0	0
0.996651	0.983473	0	0	0	0	0	0
0.921331	0.760344	0	0	0	0	0	0
0.979712	0.908311	0	0	0	0	0	0
0.991914	0.964179	0	0	0	0	0	0
0.972716	0.988426	0	0	0	0	0	0
0.972529	0.986048	0	0	0	0	0	0
0.985334	0.993186	0	0	0	0	0	0
0.985182	0.994458	0	0	0	0	0	0
0.886722	0.894957	0	0	0	0	0	0
0.956038	0.820338	0	0	0	0	0	0
0.978582	0.976365	0	0	0	0	0	0
0.910675	0.96264	0	0	0	0	0	0
0.473238	0.581352	0	0	0	0	0	0
0.508169	0.577861	0	0	0	0	0	0
0.971805	0.919607	0	0	0	0	0	0
0.989776	0.978964	0	0	0	0	0	0
0.986431	0.975412	0	0	0	0	0	0
0.988909	0.975668	0	0	0	0	0	0

0.999557	0.99916	0	0	0	0	0	0
0.004102	0.010939	0.01	0	0	0	0	0
0.99941	0.997605	0	0	0	0	0	0
0.993333	0.981155	0	0	0	0	0	0
0.982782	0.995509	0.01	0	0	0	0	0
0.951178	0.966752	0	0	0	0	0	0
0.869189	0.790032	0	0	0	0	0	0
0.544456	0.785197	0	0	0	0	0	0
0.510179	0.851801	0.06	0	0	0	0	0
0.965078	0.953394	0	0	0	0	0	0
0.977298	0.985196	0	0	0	0	0	0
0.996248	0.997411	0	0	0	0	0	0
0.993322	0.995733	0	0	0	0	0	0
0.950517	0.975932	0	0	0	0	0	0
0.992875	0.982245	0	0	0	0	0	0
0.98042	0.988693	0	0	0	0	0	0
0.985484	0.987968	0	0	0	0	0	0
0.015722	0.014237	0	0	0	0	0	0
0.994986	0.994601	0	0	0	0	0	0
0.054896	0.007927	0.01	0	0	0	0	0
0.073584	0.024845	0	0	0	0	0	0
0.997703	0.913256	0.03	0	0	0	0	0
0.976235	0.49543	0.4	0	0	0	0	0
0.114506	0.01257	0.02	0	0	0	0	0
0.993498	0.969391	0	0	0	0	0	0
0.996962	0.99384	0	0	0	0	0	0
0.110735	0.160797	0	0	0	0	0	0
0.992998	0.836292	0.04	0	6	6	0	0
0.869798	0.904078	0	0	0	0	0	0
0.013249	0.012451	0	0	0	0	0	0
0.997462	0.9967	0	0	0	0	0	0
0.994687	0.988647	0	0	0	0	0	0
0.954339	0.91559	0	0	0	0	0	0
0.962204	0.983625	0	0	0	0	0	0
0.97065	0.976459	0	0	0	0	0	0
0.041816	0.024458	0	0	0	0	0	0
0.012785	0.013665	0	0	0	0	0	0
0.996171	0.993173	0	0	0	0	0	0
0.048134	0.021667	0	0	0	0	0	0
0.996432	0.984042	0	0	0	0	0	0
0.701539	0.886926	0.02	0	0	0	0	0
0.995412	0.997749	0	0	0	0	0	0
0.015323	0.021063	0	0	0	0	0	0
0.962837	0.975282	0	0	0	0	0	0
0.945844	0.974228	0	0	0	0	0	0
0.014984	0.027446	0	0	0	0	0	0
0.015758	0.015041	0	0	0	0	0	0

0.017276	0.016493	0	0	0	0	0	0
0.034502	0.116288	0	0	0	0	0	0
0.018312	0.034544	0	0	0	0	0	0
0.082408	0.052562	0	0	0	0	0	0
0.261921	0.074924	0	0	0	0	0	0
0.006191	0.005749	0	0	0	0	0	0
0.914205	0.927359	0	0	0	0	0	0
0.014455	0.009122	0	0	0	4	0	0
0.979139	0.981791	0	0	0	0	0	0
0.000243	0.000963	0	0	4	0	0	0
0.976317	0.519333	0.33	0	6	10	0	0
0.024764	0.494388	0.51	0	6	4	0	0
0.031569	0.032605	0	0	0	0	0	0
0.9802	0.974958	0	0	0	0	0	0
0.983747	0.976786	0	0	0	0	0	0
0.971179	0.95994	0	0	0	0	0	0
0.977482	0.960191	0	0	0	0	0	0
0.987551	0.966275	0	0	0	0	0	0
0.024981	0.043612	0	0	0	0	0	0
0.947254	0.931761	0	0	0	0	0	0
0.986579	0.97472	0	0	0	0	0	0
0.997677	0.996212	0	0	0	0	0	0
0.995868	0.993119	0	0	0	0	0	0
0.994399	0.990554	0	0	0	0	0	0
0.985753	0.965953	0	0	0	0	0	0
0.986626	0.986655	0	0	0	0	0	0
0.015636	0.061508	0	0	0	0	0	0
0.978263	0.736333	0.02	0	0	0	0	0
0.969437	0.464812	0.19	0	0	0	0	0
0.993816	0.986206	0	0	0	0	0	0
0.996017	0.995985	0	0	0	0	0	0
0.997382	0.981545	0	0	0	0	0	0
0.043084	0.083826	0	0	0	0	0	0
0.996711	0.988457	0	0	0	0	0	0
0.998952	0.999269	0	0	0	0	0	0
0.998945	0.998136	0	0	0	0	0	0
0.998972	0.996671	0	0	0	0	0	0
0.016369	0.023478	0	0	0	0	0	0
0.051733	0.064097	0	0	0	0	0	0
0.537719	0.704771	0	0	0	0	0	0
0.971009	0.943351	0	0	0	0	0	0
0.987774	0.988145	0	0	0	0	0	0
0.966797	0.973748	0	0	0	0	0	0
0.997882	0.987232	0	0	0	0	0	0
0.997301	0.980267	0	0	0	0	0	0
0.994912	0.700348	0.17	0	0	0	1	1
0.939019	0.80115	0	0	0	0	0	0

0.964946	0.959618	0	0	0	0	0	0
0.941824	0.94033	0	0	0	0	0	0
0.948428	0.961344	0	0	0	0	0	0
0.990533	0.989387	0	0	0	0	0	0
0.013214	0.122688	0.05	0	0	0	0	0
0.983222	0.985217	0	0	0	0	0	0
0.974935	0.964468	0	0	0	0	0	0
0.975716	0.896893	0	0	0	0	0	0
0.962931	0.902367	0	0	0	0	0	0
0.992651	0.967372	0	0	0	0	0	0
0.983469	0.968747	0	0	0	0	0	0
0.9441	0.976995	0	0	0	0	0	0
0.995335	0.935427	0	0	0	0	0	0
0.982301	0.928869	0	0	0	0	0	0
0.88371	0.888519	0	0	0	0	0	0
0.964022	0.935944	0	0	0	0	0	0
0.963619	0.95624	0	0	0	0	0	0
0.96568	0.961563	0	0	0	0	0	0
0.97146	0.923668	0	0	0	0	0	0
0.966344	0.75789	0	0	0	0	0	0
0.810674	0.572029	0	0	0	0	0	0
0.939905	0.835733	0	0	0	0	0	0
0.966299	0.966449	0	0	0	0	0	0
0.969751	0.955424	0	0	0	0	0	0
0.956804	0.936728	0	0	0	0	0	0
0.952012	0.911977	0	0	0	0	0	0
0.97331	0.956363	0	0	0	0	0	0
0.987776	0.939121	0	0	0	0	0	0
0.98874	0.947908	0	0	0	0	0	0
0.982678	0.923482	0	0	0	0	0	0
0.991132	0.973894	0	0	0	0	0	0
0.999339	0.999537	0	0	0	0	0	0
0.092619	0.144088	0	0	0	0	0	0
0.947648	0.927822	0	0	0	0	0	0
0.999193	0.996517	0	0	0	0	0	0
0.439241	0.601979	0.02	0	0	0	0	0
0.995796	0.995552	0	0	0	0	0	0
0.994108	0.990115	0	0	0	0	0	0
0.993907	0.985657	0	0	0	0	0	0
0.998362	0.99392	0	0	0	0	2	6
0.998141	0.992973	0	6	0	0	0	0
0.997989	0.994071	0	0	0	0	0	0
0.8118	0.479362	0.14	0	0	0	0	0
0.998781	0.994491	0	0	0	0	0	0
0.997133	0.977688	0	0	0	0	0	0
0.972064	0.872539	0	0	0	0	0	0
0.990129	0.956118	0	0	0	0	0	0

0.976891	0.622165	0.09	0	0	0	0	0
0.992292	0.85228	0	0	0	0	0	0
0.934875	0.93456	0	0	0	0	0	0
0.99365	0.997278	0	0	0	0	0	0
0.999696	0.997776	0	0	0	0	0	0
0.997656	0.938797	0.02	0	0	0	0	0
0.980509	0.942413	0	0	0	0	0	0
0.976835	0.92454	0	0	0	0	0	0
0.992557	0.986648	0	0	0	0	0	0
0.988928	0.607244	0.15	0	0	0	0	0
0.992669	0.968535	0	0	0	0	0	0
0.991324	0.949694	0	0	0	0	0	0
0.995413	0.985238	0	0	0	0	0	0
0.020603	0.015991	0	0	0	0	0	0
0.982409	0.986564	0	0	0	0	0	0
0.950621	0.891689	0	0	0	0	0	0
0.981558	0.984456	0	0	0	0	0	0
0.840869	0.820291	0	0	0	0	0	0
0.994783	0.988876	0	0	0	0	0	0
0.990412	0.994518	0	0	0	0	0	0
0.990455	0.993383	0	0	0	0	0	0
0.978223	0.926906	0	0	0	0	0	0
0.990193	0.970294	0	0	0	0	0	0
0.912516	0.843715	0	0	0	0	0	0
0.962799	0.962424	0	0	0	0	0	0
0.991153	0.983352	0	0	0	0	0	0
0.049935	0.047538	0	0	0	0	0	0
0.973311	0.969174	0	0	0	0	0	0
0.981192	0.974083	0	0	0	0	0	0
0.976307	0.971177	0	0	0	0	0	0
0.985988	0.961485	0	0	0	0	0	0
0.930391	0.945418	0	0	0	0	0	0
0.930439	0.954847	0	0	0	0	0	0
0.97471	0.976422	0	0	0	0	0	0
0.040074	0.068714	0	0	0	0	0	0
0.061366	0.026276	0	0	0	0	0	0
0.030935	0.018003	0	0	0	0	0	0
0.968493	0.98115	0	0	0	0	0	0
0.981966	0.984141	0	0	0	0	0	0
0.974423	0.971589	0	0	0	0	0	0
0.997607	0.997338	0	0	0	0	0	0
0.998887	0.997606	0	0	0	0	0	0
0.889759	0.958828	0	0	0	0	0	0
0.989957	0.98369	0	0	0	0	0	0
0.990004	0.982306	0	0	0	0	2	4
0.995189	0.990078	0	0	0	0	0	0
0.996443	0.948826	0.01	0	0	0	0	0

0.013771	0.008477	0	0	0	0	0	0
0.681647	0.5067	0	0	0	0	0	1
0.948488	0.898916	0	0	0	0	0	0
0.990373	0.988659	0	0	0	0	0	0
0.993259	0.967282	0	0	0	0	0	0
0.013704	0.034666	0	0	0	0	0	0
0.024783	0.036261	0	0	0	0	0	0
0.992848	0.970382	0	0	0	0	0	0
0.017199	0.030994	0	0	0	0	0	0
0.073522	0.109509	0	0	0	0	0	0
0.96522	0.206326	0.58	0	0	0	0	0
0.993472	0.925968	0	0	0	0	0	0
0.987993	0.991523	0	0	0	0	0	0
0.972045	0.957553	0	0	0	0	0	0
0.994094	0.991037	0	0	0	0	0	0
0.980435	0.987779	0	0	0	0	0	0
0.934511	0.948427	0	0	0	0	0	0
0.021386	0.080272	0	0	0	0	0	0
0.980613	0.982243	0	0	0	0	0	0
0.979561	0.944985	0	0	0	0	0	0
0.997589	0.999168	0	0	0	0	0	0
0.996273	0.998741	0	0	0	0	0	0
0.994504	0.994995	0	0	0	0	0	0
0.056612	0.064025	0	0	0	0	0	0
0.955677	0.940964	0	0	0	0	0	0
0.946692	0.986711	0	0	0	0	0	0
0.960973	0.725704	0.05	0	0	0	0	0
0.27854	0.521181	0	0	0	0	0	0
0.784147	0.850792	0	0	0	0	0	0
0.963002	0.971695	0	0	0	0	0	0
0.963759	0.962887	0	0	0	0	0	0
0.970671	0.976134	0	0	0	0	0	0
0.208296	0.179617	0	0	0	0	0	0
0.978998	0.778122	0.11	0	0	0	0	0
0.982854	0.995546	0	0	0	0	0	0
0.985305	0.940702	0	0	0	0	0	0
0.964789	0.798841	0.09	0	0	0	0	0
0.986538	0.944454	0	0	0	0	0	0
0.967728	0.917369	0	0	0	0	0	0
0.962495	0.940806	0	0	0	0	0	0
0.962276	0.957838	0	0	0	0	0	0
0.960011	0.924109	0	0	0	0	0	0
0.964377	0.88429	0	0	0	0	0	0
0.988583	0.593505	0.32	0	0	0	0	0
0.989989	0.993986	0	0	0	0	0	0
0.96962	0.678421	0.04	0	0	0	0	0
0.975418	0.963724	0	0	0	0	2	2

0.968077	0.956727	0	1	0	0	0	0
0.961325	0.933134	0	0	0	0	0	0
0.999051	0.996915	0	0	0	0	0	0
0.999005	0.998731	0	0	0	0	0	0
0.999138	0.999209	0	0	0	0	0	0
0.99412	0.989622	0	0	0	0	0	0
0.998922	0.995014	0	0	0	0	0	0
0.979423	0.978364	0	0	0	0	0	0
0.979003	0.977593	0	0	0	0	0	0
0.967374	0.964577	0	0	0	0	0	0
0.754371	0.633722	0	0	0	0	0	0
0.952493	0.9515	0	0	0	0	0	0
0.948992	0.954119	0	0	0	0	0	0
0.964531	0.960151	0	0	0	0	0	0
0.95036	0.941733	0	0	0	0	0	0
0.988191	0.95829	0	0	0	0	0	0
0.982665	0.934401	0	0	0	0	0	0
0.986976	0.937314	0	0	0	0	0	0
0.981063	0.946541	0	0	0	0	0	0
0.98347	0.940832	0	0	0	0	0	0
0.98553	0.937583	0	0	0	0	0	0
0.970242	0.944807	0	0	0	0	0	0
0.991268	0.956858	0	0	0	0	0	0
0.943939	0.965773	0	0	0	0	0	0
0.95271	0.974793	0	0	0	0	0	0
0.965111	0.966795	0	0	0	0	0	0
0.033069	0.042904	0	0	0	0	0	0
0.968915	0.97011	0	0	0	0	0	0
0.969427	0.958126	0	0	0	0	0	0
0.922964	0.964043	0	0	0	0	0	0
0.968736	0.973611	0	0	0	0	0	0
0.058875	0.048445	0	0	0	0	0	0
0.10258	0.050707	0	0	0	0	0	0
0.9822	0.96993	0	0	0	0	0	0
0.98995	0.99215	0	0	0	0	0	0
0.019034	0.024558	0	0	0	0	0	0
0.02458	0.023083	0	0	0	0	0	0
0.987481	0.987643	0	0	0	0	0	0
0.061178	0.056697	0	0	0	0	0	0
0.982681	0.961483	0	0	0	0	0	0
0.939561	0.868118	0	0	0	0	0	0
0.984671	0.982382	0	0	0	0	0	0
0.181751	0.11383	0	0	0	0	0	0
0.143814	0.218625	0	0	0	0	0	0
0.06372	0.047233	0	0	0	0	0	0
0.199381	0.281082	0	0	0	0	0	0
0.983437	0.973246	0	0	0	0	0	0

0.993645	0.989846	0	0	0	0	0	0
0.926988	0.792937	0	0	0	0	0	0
0.984275	0.983345	0	0	0	0	0	0
0.301189	0.40409	0	0	0	0	0	0
0.752113	0.30492	0.33	0	0	0	0	0
0.994815	0.867982	0.06	0	0	0	0	0
0.914808	0.869744	0	0	0	0	0	0
0.995853	0.982802	0	0	0	0	0	0
0.904406	0.878635	0	0	0	0	0	0
0.984255	0.972637	0	0	0	0	0	0
0.98899	0.95007	0	0	0	0	0	0
0.992283	0.983044	0	0	0	0	0	0
0.994406	0.991043	0	0	0	0	0	0
0.992419	0.990827	0	0	0	0	0	0
0.981291	0.96846	0	0	0	0	0	0
0.985788	0.974468	0	0	0	0	0	0
0.993719	0.997413	0	0	0	0	0	0
0.982898	0.979119	0	13	4	4	0	0
0.998868	0.991503	0	0	0	0	0	0
0.997711	0.988298	0	0	0	0	0	0
0.017845	0.084221	0	0	0	0	0	0
0.924701	0.962708	0	0	0	0	0	0
0.970932	0.943227	0	0	0	0	0	0
0.599273	0.790215	0	0	0	0	0	0
0.970708	0.946376	0	0	0	0	0	0
0.952836	0.846912	0	0	0	0	0	0
0.672715	0.948693	0.01	0	0	0	0	0
0.983842	0.937943	0	0	0	0	0	0
0.95121	0.649672	0.08	0	0	0	0	0
0.99238	0.97956	0	0	0	0	0	0
0.016097	0.037557	0	0	0	0	0	0
0.992614	0.983441	0	0	0	0	0	0
0.114369	0.12918	0	0	0	0	0	0
0.986317	0.968863	0	0	0	0	0	0
0.987826	0.967045	0	0	0	0	0	0
0.979163	0.9601	0	0	0	0	0	0
0.986154	0.965029	0	0	0	0	0	0
0.986806	0.96927	0	0	0	0	0	0
0.103968	0.08056	0	0	0	0	0	0
0.979108	0.95289	0	0	0	0	0	0
0.984512	0.925327	0	0	0	0	0	0
0.965859	0.967283	0	0	0	0	0	0
0.074208	0.051829	0	0	0	0	0	0
0.941367	0.974776	0	0	0	0	0	0
0.943588	0.942382	0	0	0	0	0	0
0.963011	0.957068	0	0	0	0	0	0
0.026718	0.022052	0	0	0	0	0	0

0.993776	0.994121	0	0	0	0	0	0
0.995466	0.992986	0	0	0	0	0	0
0.996809	0.977761	0	0	0	0	0	0
0.89458	0.991748	0.02	0	0	0	0	0
0.055377	0.016562	0	0	0	0	0	0
0.695409	0.756528	0	0	0	0	0	0
0.042413	0.157201	0	0	0	0	0	0
0.952097	0.459082	0.27	0	0	0	0	0
0.060096	0.070559	0	0	0	0	0	0
0.989684	0.633816	0.23	0	0	0	0	0
0.992509	0.852502	0.04	0	0	0	0	0
0.929488	0.863969	0	0	0	0	0	0
0.991195	0.977759	0	0	0	0	0	0
0.029194	0.022172	0	0	0	0	0	0
0.977415	0.955015	0	0	0	0	0	0
0.936444	0.903485	0	0	0	0	0	0
0.946991	0.987124	0	0	0	0	0	0
0.9973	0.996346	0	0	0	0	6	6
0.006769	0.002011	0	0	0	0	0	0
0.020276	0.047941	0	0	0	0	0	0
0.988713	0.929482	0	0	0	0	0	0
0.785656	0.418902	0.15	0	0	0	0	0
0.995233	0.748722	0.15	0	0	0	0	0
0.936638	0.982715	0	0	0	0	0	0
0.995747	0.97168	0	0	0	0	0	0
0.900674	0.583515	0.11	0	0	0	0	0
0.983826	0.93215	0	0	0	0	0	0
0.014321	0.026915	0	0	0	0	0	0
0.975907	0.936702	0	0	0	0	0	0
0.971812	0.974443	0	0	0	0	0	0
0.971397	0.959044	0	0	0	0	0	0
0.977978	0.968261	0	0	0	0	0	0
0.017067	0.030441	0	0	0	0	0	0
0.995718	0.954736	0	0	0	0	0	0
0.995804	0.992133	0	0	0	0	0	0
0.972021	0.965819	0	0	0	0	0	0
0.992131	0.976766	0	0	0	0	0	0
0.992763	0.962691	0	0	0	0	0	0
0.998228	0.996881	0	0	0	0	0	0
0.997497	0.992829	0	0	0	0	0	0
0.997024	0.997406	0	0	0	0	0	0
0.997452	0.994416	0	0	0	0	0	0
0.998167	0.99628	0	0	0	0	0	0
0.279733	0.3231	0	0	0	0	0	0
0.966368	0.931994	0	0	0	0	0	0
0.961254	0.963123	0	0	0	0	0	0
0.989674	0.964987	0	0	0	0	0	0

0.961194	0.959371	0	0	0	0	0	0
0.967552	0.367531	0.32	0	0	0	0	0
0.907945	0.256926	0.39	0	0	0	0	0
0.00989	0.009457	0	0	0	0	0	0
0.99188	0.940576	0	0	0	0	0	0
0.060292	0.026085	0	0	0	0	0	0
0.922739	0.941944	0	0	0	0	0	0
0.583032	0.888521	0.12	0	0	0	0	0
0.99409	0.9747	0	0	0	0	0	0
0.9849	0.975008	0	0	0	0	0	0
0.983136	0.956935	0	0	0	0	0	0
0.811449	0.847376	0	0	0	0	0	0
0.383917	0.264095	0	0	0	0	0	0
0.994064	0.995496	0	0	0	0	0	0
0.99493	0.996184	0	0	0	0	0	0
0.993055	0.991904	0	0	0	0	0	0
0.958276	0.996082	0	0	0	0	0	0
0.994143	0.9957	0	0	0	0	0	0
0.98467	0.77729	0.07	0	0	0	0	0
0.995797	0.445605	0.39	0	0	0	0	0
0.993208	0.873947	0	0	0	0	0	0
0.999362	0.998083	0	0	0	0	0	0
0.999421	0.997406	0	0	0	0	0	0
0.999005	0.993422	0	0	0	0	0	0
0.990904	0.979387	0	0	0	0	0	0
0.999489	0.996387	0	0	0	0	0	0
0.989411	0.952497	0	0	0	0	0	0
0.727151	0.730421	0	0	0	0	0	0
0.965547	0.948006	0	0	0	0	0	0
0.337835	0.339608	0	0	0	0	0	0
0.979512	0.958803	0	0	0	0	0	0
0.971347	0.942845	0	0	0	0	0	0
0.971406	0.913742	0	0	0	0	0	0
0.981921	0.947905	0	0	0	0	0	0
0.983008	0.894772	0	0	0	0	0	0
0.982956	0.913283	0	0	0	0	0	0
0.984282	0.960272	0	0	0	0	0	0
0.984726	0.96338	0	0	0	0	0	0
0.091691	0.624534	0.23	0	0	0	0	0
0.846103	0.209314	0.17	0	0	0	0	0
0.030648	0.054974	0	0	0	0	0	0
0.934033	0.939328	0	0	6	0	0	0
0.980998	0.790297	0.07	0	0	0	0	0
0.971723	0.925701	0	0	0	0	0	0
0.967097	0.943539	0	0	0	0	0	0
0.979742	0.951069	0	0	0	0	0	0
0.99122	0.810724	0.09	0	0	0	9	0

0.997097	0.997184	0	0	0	0	0	0
0.996935	0.993575	0	0	0	0	0	0
0.91405	0.970152	0	0	0	0	0	0
0.034784	0.044964	0	0	0	0	0	0
0.99599	0.995891	0	0	0	0	0	0
0.996914	0.996938	0	0	0	0	0	0
0.014488	0.027055	0	0	0	0	0	0
0.99161	0.977387	0	0	0	0	0	0
0.992118	0.982689	0	0	0	0	0	0
0.999314	0.996053	0	0	0	0	0	0
0.999219	0.956661	0.02	0	0	0	0	0
0.999071	0.994315	0	0	0	0	0	0
0.904772	0.756032	0.07	0	0	0	0	0
0.999456	0.982919	0	0	0	0	0	0
0.980918	0.981252	0	0	0	0	0	0
0.996366	0.990715	0	0	0	0	0	0
0.993718	0.991512	0	0	0	0	0	0
0.955578	0.931202	0	0	0	0	0	0
0.958846	0.973609	0	0	0	0	0	0
0.975891	0.971527	0	0	0	0	0	0
0.974763	0.984385	0	0	0	0	0	0
0.992187	0.997742	0	0	0	0	0	0
0.977623	0.468234	0.36	0	0	0	0	0
0.990221	0.988374	0	0	0	0	0	0
0.990597	0.972333	0	0	0	0	0	0
0.994607	0.994866	0	0	0	0	0	0
0.993786	0.994868	0	0	0	0	0	0
0.932164	0.969196	0	0	0	0	0	0
0.928422	0.837764	0	0	0	0	0	0
0.877724	0.923463	0	0	0	0	0	0
0.954799	0.954873	0	0	0	0	0	0
0.950883	0.893072	0	0	0	0	0	0
0.936336	0.944646	0	0	0	0	0	0
0.963351	0.949942	0	0	0	0	0	0
0.978407	0.969809	0	0	5	0	0	0
0.964919	0.955502	0	0	0	0	0	0
0.017368	0.060945	0	0	5	0	0	0
0.991812	0.965229	0	0	0	0	0	0
0.983916	0.97707	0	0	0	0	0	0
0.978168	0.953874	0	0	0	0	0	0
0.91309	0.790017	0.01	0	0	0	0	0
0.827954	0.668896	0	0	0	0	0	0
0.990164	0.987095	0	0	0	0	0	0
0.937875	0.935535	0	0	0	0	0	0
0.844528	0.342354	0.14	0	0	0	0	0
0.949968	0.981556	0	0	0	0	0	0
0.947585	0.983423	0	0	0	0	0	0

0.945253	0.979868	0	0	0	0	0	0
0.941342	0.983273	0	0	0	0	0	0
0.950009	0.988144	0	0	0	0	0	0
0.985823	0.868395	0.05	0	0	0	0	0
0.989117	0.987408	0	0	0	0	0	0
0.989698	0.932696	0	0	0	0	0	0
0.985188	0.962625	0	0	0	0	0	0
0.959674	0.912366	0	0	0	0	4	4
0.985561	0.93254	0	4	0	0	1	0
0.946068	0.895031	0	0	0	0	0	0
0.949462	0.892653	0	0	0	0	0	0
0.98693	0.949559	0	0	0	0	0	0
0.990484	0.978208	0	0	0	0	6	6
0.994594	0.932866	0.02	5	0	0	0	0
0.929411	0.952163	0	0	0	0	0	0
0.983879	0.91902	0	0	0	0	0	0
0.981492	0.94913	0	0	0	0	0	0
0.997732	0.995161	0	0	0	0	0	0
0.998367	0.991246	0	0	0	0	0	0
0.914034	0.959973	0	0	0	0	0	0
0.735371	0.111676	0.37	0	0	0	0	0
0.974907	0.845246	0	0	0	0	0	0
0.954083	0.897848	0	0	0	0	0	0
0.935064	0.908286	0	0	0	0	0	0
0.676253	0.609665	0	0	0	0	0	0
0.044675	0.024704	0	0	0	0	0	0
0.997575	0.999083	0	0	0	0	0	0
0.996915	0.996242	0	0	0	0	0	0
0.997231	0.996197	0	0	0	0	0	0
0.997318	0.997032	0	0	0	4	0	0
0.012542	0.006411	0	0	0	0	0	0
0.996432	0.993478	0	0	0	0	0	0
0.992266	0.980663	0	0	0	0	0	0
0.996452	0.975324	0	0	0	0	0	0
0.997358	0.98697	0	0	0	0	0	0
0.13759	0.128958	0	0	0	0	0	0
0.997478	0.976363	0	0	0	0	0	0
0.426274	0.539372	0.02	0	0	0	0	0
0.25753	0.460834	0.11	0	0	0	0	0
0.231105	0.404113	0.07	0	0	0	0	0
0.152838	0.191582	0	0	0	0	0	0
0.994611	0.995303	0	0	0	0	0	0
0.997748	0.996223	0	0	0	0	0	0
0.997393	0.997041	0	0	0	0	0	0
0.006463	0.003382	0	0	0	0	0	0
0.99819	0.987745	0	0	0	0	0	0
0.971955	0.978796	0	0	0	0	0	0

0.016948	0.019267	0	0	0	0	0	0
0.992745	0.991892	0	0	6	0	0	0
0.99714	0.995691	0	0	0	0	0	0
0.993573	0.990272	0	0	0	0	0	0
0.993884	0.994904	0	0	0	0	0	0
0.835571	0.898205	0	0	0	0	0	0
0.940737	0.812651	0.03	0	0	0	0	0
0.975139	0.967629	0	0	0	0	0	0
0.775331	0.95442	0.01	0	0	0	0	0
0.84706	0.961589	0	0	0	0	0	0
0.997024	0.998307	0	0	0	0	0	0
0.01964	0.018342	0	0	0	0	0	0
0.547513	0.42714	0	0	0	0	0	0
0.587489	0.941596	0.09	0	0	0	0	0
0.963124	0.983963	0	0	0	0	0	0
0.956896	0.931032	0	0	0	0	0	0
0.82689	0.682135	0	0	0	0	0	0
0.08842	0.170016	0	0	0	0	0	0
0.990976	0.830369	0.09	0	0	0	0	0
0.986188	0.952109	0	0	0	0	0	0
0.992041	0.996425	0	0	0	0	0	0
0.824944	0.827662	0	0	0	0	0	0
0.9839	0.990663	0	0	0	0	0	0
0.920321	0.902311	0	0	0	0	0	0
0.978099	0.954555	0	0	0	0	0	0
0.990497	0.937286	0	0	0	0	0	0
0.967071	0.959334	0	0	0	0	0	0
0.997106	0.927667	0.03	0	0	0	0	0
0.98249	0.847818	0.06	0	0	0	0	0
0.984352	0.397784	0.39	0	0	0	0	0
0.026776	0.021775	0	0	0	0	0	0
0.79591	0.7067	0	0	0	0	0	0
0.955862	0.949732	0	0	0	0	0	0
0.982972	0.987632	0	0	0	0	0	0
0.014286	0.022539	0	0	0	0	0	0
0.983277	0.990296	0	0	0	0	0	0
0.993775	0.997816	0	0	0	0	5	0
0.272984	0.052604	0.08	0	0	0	0	0
0.598669	0.793333	0	0	0	0	0	0
0.996128	0.992421	0	0	0	0	0	0
0.989699	0.956137	0	0	0	0	0	0
0.995166	0.992381	0	0	0	0	0	0
0.044974	0.04322	0	0	0	0	0	0
0.003897	0.009914	0	0	0	0	0	0
0.995053	0.946996	0	0	0	0	0	0
0.209129	0.282157	0	0	0	0	0	0
0.994462	0.926924	0.02	0	0	0	0	0

0.986307	0.63412	0.2	0	0	0	0	0
0.997668	0.998541	0	0	0	0	0	0
0.997378	0.998304	0	0	0	0	0	0
0.996179	0.992631	0	0	0	0	0	0
0.035205	0.010564	0	0	0	0	0	0
0.997621	0.995944	0	0	0	0	0	0
0.990398	0.99211	0	0	0	0	0	0
0.039547	0.062455	0	0	0	0	0	0
0.081201	0.070937	0	0	0	0	0	0
0.033262	0.140188	0	0	0	0	0	0
0.979387	0.961707	0	0	0	0	0	0
0.985792	0.972213	0	0	0	0	0	0
0.98053	0.955326	0	0	0	0	0	0
0.97886	0.862695	0	0	0	0	0	0
0.268436	0.876731	0.37	0	0	0	0	0
0.032607	0.233185	0.01	0	0	0	0	0
0.0321	0.049319	0	0	0	0	0	0
0.024214	0.010436	0	0	0	0	0	0
0.9921	0.165073	0.75	0	0	0	0	0
0.011743	0.014763	0	0	0	0	0	0
0.015033	0.015136	0	0	0	0	0	0
0.989671	0.93828	0	0	0	0	0	0
0.991439	0.99109	0	0	0	0	0	0
0.99087	0.994661	0	0	0	0	0	0
0.992002	0.997325	0	0	0	0	0	0
0.992852	0.994977	0	0	0	0	0	0
0.997557	0.99234	0	0	0	0	0	0
0.940357	0.960638	0	0	0	0	0	0
0.995863	0.989971	0	0	0	0	0	0
0.998343	0.997133	0	0	0	0	0	0
0.998289	0.961333	0	0	0	0	0	0
0.994546	0.977649	0	0	0	0	0	0
0.994791	0.984017	0	0	0	0	0	0
0.304691	0.404018	0	0	0	0	0	0
0.997631	0.99547	0	0	0	0	0	0
0.994645	0.973262	0	0	0	0	0	0
0.98838	0.981652	0	0	0	3	0	0
0.993488	0.994421	0	0	0	0	0	0
0.992088	0.994101	0	0	0	0	0	0
0.997478	0.982904	0	0	0	0	0	0
0.997294	0.997818	0	0	0	0	0	0
0.994565	0.982633	0	0	0	0	0	0
0.893179	0.826055	0	0	0	0	0	0
0.99436	0.974556	0	0	0	0	0	0
0.996124	0.99584	0	0	0	0	0	0
0.994566	0.996671	0	0	0	0	0	0
0.99448	0.974649	0	0	0	0	0	0

0.990117	0.992821	0	0	0	0	0	0
0.995928	0.998455	0	0	0	0	0	0
0.996409	0.997635	0	0	0	0	0	0
0.991195	0.96803	0	0	0	0	0	0
0.993807	0.978748	0	0	0	0	0	0
0.995954	0.973524	0	0	0	0	0	0
0.943147	0.935503	0	0	0	0	0	0
0.994051	0.992061	0	0	0	0	0	0
0.995837	0.994503	0	0	0	0	0	0
0.979325	0.959031	0	0	0	0	0	0
0.990079	0.980688	0	0	0	0	0	0
0.991335	0.972419	0	0	0	0	0	0
0.990357	0.990414	0	0	0	0	0	0
0.990935	0.996349	0	0	0	0	0	0
0.990265	0.996572	0	0	0	0	0	0
0.031596	0.060141	0	0	0	0	0	0
0.989423	0.983112	0	0	0	0	0	0
0.973496	0.954747	0	0	0	0	0	0
0.969729	0.926175	0	0	0	0	0	0
0.97403	0.972414	0	0	0	0	0	0
0.989118	0.975267	0	0	0	0	0	0
0.990155	0.996867	0	0	0	0	0	0
0.017707	0.005901	0	0	0	0	0	0
0.988897	0.994118	0	0	0	0	0	0
0.97425	0.992989	0	0	0	0	0	0
0.338663	0.22855	0	0	0	0	0	0
0.864838	0.955724	0	0	0	0	0	0
0.994871	0.995201	0	0	0	0	0	0
0.020116	0.007231	0	0	0	0	0	0
0.995156	0.993309	0	0	0	0	0	0
0.996328	0.986199	0	0	0	0	0	0
0.990763	0.990826	0	0	0	0	0	0
0.99577	0.950319	0	0	0	0	0	0
0.995974	0.996161	0	0	0	0	0	0
0.010119	0.03308	0	0	0	0	0	0
0.884772	0.877969	0	0	0	0	0	0
0.866138	0.808468	0	0	0	0	0	0
0.972958	0.951592	0	0	0	0	0	0
0.973999	0.941666	0	0	0	0	0	0
0.979009	0.944328	0	0	0	0	0	0
0.983451	0.948925	0	0	0	0	0	0
0.984367	0.947721	0	0	0	0	0	0
0.981625	0.945504	0	0	0	0	0	0
0.024129	0.13582	0	0	0	0	0	0
0.925115	0.897546	0	0	0	0	0	0
0.988061	0.933611	0	0	0	0	0	0
0.972872	0.964929	0	0	0	0	0	0

0.02367	0.042223	0	0	0	0	0	0
0.937412	0.860081	0	0	0	0	0	0
0.985378	0.936988	0	0	0	0	0	0
0.993313	0.98911	0	0	0	0	0	0
0.992777	0.983641	0	0	0	0	0	0
0.113302	0.082041	0	0	0	0	0	0
0.013647	0.01839	0	0	0	0	0	0
0.162775	0.372767	0	0	0	0	0	0
0.995773	0.986961	0	0	0	0	0	0
0.987404	0.978755	0	0	0	0	0	0
0.986583	0.982824	0	0	0	0	0	0
0.01793	0.024589	0	0	0	0	0	0
0.990112	0.970118	0	0	0	0	0	0
0.128055	0.295132	0.03	0	0	0	0	0
0.994689	0.992068	0	0	0	0	0	0
0.024078	0.023726	0	0	0	0	0	0
0.036009	0.258936	0.05	0	0	0	0	0
0.989552	0.9865	0	0	0	0	0	0
0.99129	0.988899	0	0	0	0	0	0
0.987786	0.690405	0.2	0	0	0	0	0
0.972899	0.957466	0	0	0	0	0	0
0.981972	0.948352	0	0	0	0	0	0
0.073863	0.400051	0.05	0	0	0	0	0
0.988557	0.974459	0	0	0	0	0	0
0.987503	0.983359	0	0	0	0	0	0
0.986344	0.934278	0	0	0	0	0	0
0.98984	0.983622	0	0	0	0	0	0
0.990253	0.988612	0	0	0	0	0	0
0.991703	0.986195	0	0	0	0	0	0
0.991389	0.985327	0	0	0	0	0	0
0.990321	0.991825	0	0	0	0	0	0
0.990536	0.986568	0	0	0	0	0	0
0.985469	0.993859	0	0	0	0	0	0
0.962447	0.967059	0	0	0	0	0	0
0.993824	0.933738	0.01	0	0	0	0	0
0.994615	0.997179	0	0	0	0	0	0
0.996037	0.998596	0	0	0	0	0	0
0.985411	0.986235	0	0	0	0	0	0
0.992436	0.98491	0	0	0	0	0	0
0.980334	0.964624	0	0	0	0	0	0
0.00644	0.0044	0	0	5	5	5	5
0.997874	0.996378	0	0	0	0	0	0
0.997275	0.98807	0.01	0	0	0	0	0
0.273381	0.119357	0	0	0	0	0	0
0.987896	0.986814	0	0	0	0	0	0
0.994012	0.997125	0	0	0	0	0	0
0.994585	0.997521	0	0	0	0	0	0

0.960101	0.803793	0	0	0	0	0	0
0.050614	0.166615	0	0	0	0	0	0
0.991006	0.978216	0	0	0	0	0	0
0.961347	0.93162	0	0	0	0	0	0
0.961123	0.940677	0	0	0	0	0	0
0.966901	0.943075	0	0	0	0	0	0
0.942365	0.932317	0	0	0	0	0	0
0.027121	0.018072	0	0	0	0	0	0
0.983209	0.965593	0	0	0	0	0	0
0.981713	0.929483	0	0	0	0	0	0
0.979966	0.966407	0	0	0	0	0	0
0.175382	0.38518	0	0	0	0	0	0
0.987151	0.944514	0	0	0	0	0	0
0.011817	0.099588	0.01	0	0	0	0	0
0.010618	0.035053	0	0	0	0	0	0
0.057501	0.065181	0	0	0	0	0	0
0.515948	0.597353	0	0	0	0	0	0
0.025947	0.024828	0	0	0	0	0	0
0.051197	0.008499	0	0	0	0	0	0
0.025221	0.016922	0	0	0	0	0	0
0.980476	0.989301	0	0	0	0	0	0
0.018407	0.059386	0	0	0	0	0	0
0.047564	0.226371	0	0	0	0	0	0
0.988227	0.96004	0	0	0	0	0	0
0.983158	0.968867	0	0	0	0	0	0
0.951813	0.955303	0	0	0	0	0	0
0.934232	0.939666	0	0	0	0	0	0
0.997458	0.988747	0	0	0	0	0	0
0.996042	0.978188	0	0	0	0	0	0
0.993769	0.972926	0	0	0	0	0	0
0.981456	0.969274	0	0	0	0	0	0
0.984966	0.959008	0	0	0	0	0	0
0.984074	0.969192	0	0	0	0	0	0
0.995735	0.936217	0.01	0	0	0	0	0
0.8384	0.694361	0	0	0	0	0	0
0.850102	0.781109	0	0	0	0	0	0
0.966277	0.760032	0.13	0	0	0	0	0
0.151267	0.089024	0	0	0	0	0	0
0.999348	0.998654	0	0	0	0	0	0
0.997398	0.989408	0	0	0	0	0	0
0.991524	0.989645	0	0	0	0	0	0
0.027024	0.031666	0	0	0	0	0	0
0.028406	0.084591	0	0	0	0	0	0
0.989225	0.9798	0	0	0	0	0	0
0.990419	0.988133	0	0	0	0	0	0
0.989846	0.908845	0.01	0	0	0	0	0
0.988685	0.986307	0	0	0	0	0	0

0.992669	0.99094	0	0	0	0	0	0
0.012178	0.012217	0	0	0	0	0	0
0.959619	0.962427	0	0	0	0	0	0
0.733897	0.124597	0.43	0	0	0	0	0
0.992435	0.984236	0	0	0	0	0	0
0.002314	0.015227	0.01	0	0	0	0	0
0.957115	0.915517	0.01	0	0	0	0	0
0.020008	0.016601	0	0	6	0	0	0
0.980361	0.97074	0	0	6	5	0	0
0.992756	0.957432	0	0	0	0	0	0
0.673299	0.68284	0	0	6	5	0	0
0.677742	0.679931	0	0	0	0	0	0
0.961811	0.976081	0	0	0	0	0	0
0.995883	0.991754	0	0	0	0	0	0
0.994812	0.989819	0	0	0	0	0	0
0.993956	0.989931	0	0	0	0	0	0
0.992192	0.953589	0	0	0	0	0	0
0.005291	0.005765	0	0	0	0	0	0
0.996914	0.998778	0	0	0	0	0	0
0.719515	0.903153	0	0	0	0	0	0
0.971895	0.981324	0	0	0	0	0	0
0.989289	0.991987	0	0	0	0	0	0
0.995658	0.994732	0	0	0	0	0	0
0.007613	0.005071	0	0	0	0	0	0
0.898744	0.949287	0	0	0	0	0	0
0.065539	0.030799	0	0	0	0	0	0
0.849124	0.685902	0.01	0	0	0	0	0
0.992668	0.995275	0	0	0	0	0	0
0.992237	0.990732	0	0	0	0	0	0
0.991733	0.991027	0	0	0	0	0	0
0.190317	0.321364	0	0	0	0	0	0
0.876022	0.940554	0	0	0	0	0	0
0.963287	0.969213	0	0	0	0	0	0
0.971487	0.922929	0	0	0	0	0	0
0.994999	0.993741	0	0	0	0	0	0
0.999698	0.998732	0	0	4	0	0	0
0.574823	0.769257	0.12	0	0	0	0	0
0.999516	0.999629	0	0	0	0	0	0
0.991314	0.977899	0.01	0	0	0	0	0
0.993823	0.995049	0	0	0	0	0	0
0.95746	0.940311	0	0	0	0	0	0
0.978564	0.897103	0	0	0	0	0	0
0.858352	0.831988	0	0	0	0	0	0
0.976288	0.93619	0	0	0	0	0	0
0.890023	0.88004	0	0	0	0	0	0
0.979693	0.908421	0	0	0	0	0	0
0.98432	0.9773	0	0	0	0	0	0

0.98663	0.972235	0	0	0	0	0	0
0.954644	0.931465	0	0	0	0	0	0
0.768858	0.867531	0	0	0	0	0	0
0.987243	0.976945	0	0	0	0	0	0
0.983223	0.989457	0	0	0	0	0	0
0.986693	0.99087	0	0	0	0	0	0
0.985411	0.990635	0	0	0	0	0	0
0.987371	0.995283	0	0	0	0	0	0
0.005485	0.010604	0	0	0	0	0	0
0.004466	0.018225	0	0	0	0	0	0
0.008959	0.007322	0	0	0	0	0	0
0.992435	0.99583	0	0	0	0	0	0
0.992788	0.990989	0	0	0	0	0	0
0.996852	0.996759	0	0	0	0	0	0
0.017148	0.024299	0	0	0	0	0	0
0.37287	0.314713	0	0	0	0	0	0
0.003877	0.003855	0	0	0	0	0	0
0.996231	0.992566	0	0	0	0	0	0
0.099295	0.107595	0	0	0	0	0	0
0.974674	0.889657	0	0	0	0	0	0
0.978212	0.971754	0	0	0	0	0	0
0.024617	0.050568	0	0	0	0	0	0
0.487014	0.550668	0	0	0	0	0	0
0.031595	0.077151	0	0	0	6	0	0
0.937553	0.938137	0	0	0	11	4	0
0.873972	0.602183	0.03	0	2	0	0	0
0.097602	0.170183	0	0	0	0	0	0
0.837735	0.727758	0	0	0	0	0	0
0.827091	0.760648	0	0	0	0	0	0
0.750297	0.516456	0	0	0	0	0	0
0.054716	0.048337	0	0	0	0	0	0
0.989485	0.996098	0	0	0	0	0	0
0.989792	0.991864	0	0	0	0	0	0
0.934605	0.960837	0	0	0	0	0	0
0.018044	0.005939	0	0	0	0	0	0
0.028117	0.099911	0	0	0	0	0	0
0.99567	0.995606	0	0	0	0	0	0
0.991669	0.989034	0	0	0	0	0	0
0.032199	0.052476	0	0	0	0	0	0
0.992079	0.992804	0	0	0	0	0	0
0.963858	0.939034	0	0	0	0	0	0
0.059459	0.134504	0	0	0	0	0	0
0.09914	0.204642	0	0	0	0	1	0
0.929001	0.947033	0	0	0	0	0	0
0.973726	0.963312	0	0	0	0	0	0
0.971404	0.967523	0	0	0	0	0	0
0.053381	0.059448	0	0	0	0	0	0

0.971062	0.980394	0	0	0	0	0	0
0.976688	0.958383	0	0	0	0	0	0
0.96909	0.890134	0	0	0	0	0	0
0.087533	0.196284	0	0	0	0	0	0
0.981491	0.965582	0	0	0	0	0	0
0.968737	0.950686	0	0	0	0	0	0
0.975151	0.953897	0	0	0	0	0	0
0.958549	0.962392	0	0	0	0	0	0
0.046983	0.167724	0	0	0	0	0	0
0.997238	0.998191	0	0	0	0	0	0
0.997769	0.996449	0	0	0	0	0	0
0.997978	0.99814	0	0	0	0	0	0
0.997261	0.998884	0	0	0	0	0	0
0.997901	0.998017	0	0	0	0	0	0
0.997991	0.998476	0	0	0	0	0	0
0.995517	0.99902	0	0	0	0	0	0
0.997401	0.999071	0	0	0	0	0	0
0.997075	0.996539	0	0	0	0	0	0
0.970096	0.982314	0	0	0	0	0	0
0.983388	0.995036	0	0	0	0	0	0
0.023149	0.027352	0	0	0	0	0	0
0.008222	0.034894	0	0	0	0	0	0
0.996788	0.991349	0	0	0	0	0	0
0.995153	0.98949	0	0	0	0	0	0
0.993455	0.994091	0	0	0	0	0	0
0.993646	0.979434	0	0	0	0	0	0
0.23798	0.163451	0	0	0	0	0	0
0.680595	0.559832	0	0	0	0	0	0
0.996531	0.979235	0	0	0	0	0	0
0.996189	0.989054	0	0	0	0	0	0
0.996683	0.99307	0	0	0	0	0	0
0.996615	0.995045	0	0	0	0	0	0
0.015241	0.003396	0	0	0	0	0	0
0.995307	0.992639	0	0	0	0	0	0
0.008984	0.009871	0	0	0	0	0	0
0.989299	0.984398	0	0	0	0	1	1
0.008539	0.006345	0	0	0	0	0	0
0.995943	0.991448	0	0	0	0	0	0
0.992508	0.99592	0	0	0	0	0	0
0.987611	0.985191	0	0	0	0	0	0
0.085382	0.036992	0	0	0	0	0	0
0.030232	0.00447	0	0	0	0	0	0
0.959543	0.96991	0	0	0	0	0	0
0.971121	0.980242	0	0	0	0	0	0
0.094073	0.10993	0	0	0	0	0	0
0.027688	0.035684	0	0	0	0	6	1
0.21682	0.082467	0.07	0	6	6	0	0

0.969671	0.997056	0	0	0	0	4	4
0.915843	0.934192	0	0	0	0	0	0
0.004993	0.005985	0	0	0	0	0	0
0.99627	0.975321	0	0	0	0	0	0
0.002729	0.006392	0	0	0	2	18	19
0.990531	0.987605	0	0	0	0	0	0
0.480357	0.556027	0	0	0	0	0	0
0.974105	0.961824	0	0	0	0	0	0
0.97282	0.875475	0	0	0	0	0	0
0.940823	0.919075	0	0	0	0	0	0
0.96879	0.842375	0	0	0	0	0	0
0.043464	0.037016	0	0	0	0	0	0
0.96486	0.926032	0	0	0	0	0	0
0.977892	0.979218	0	0	0	0	0	0
0.979983	0.983338	0	0	0	0	0	0
0.989872	0.982694	0	0	0	0	0	0
0.989693	0.986798	0	0	0	0	0	0
0.98628	0.926107	0	0	0	0	0	0
0.028039	0.05034	0	0	0	0	0	0
0.996547	0.997319	0	0	0	0	0	0
0.979611	0.982024	0	0	0	0	0	0
0.02715	0.053967	0	0	0	0	0	0
0.389598	0.319157	0	0	0	0	0	0
0.942003	0.920341	0	0	0	0	0	0
0.989223	0.988793	0	0	0	0	0	0
0.995969	0.997929	0	0	0	0	0	0
0.996979	0.99718	0	0	0	0	0	0
0.997526	0.996481	0	0	0	0	0	0
0.996203	0.994115	0	0	0	0	0	0
0.99512	0.993772	0	0	0	0	0	0
0.99774	0.997998	0	0	0	0	0	0
0.997464	0.991568	0	0	0	0	0	0
0.994897	0.995859	0	0	0	0	0	0
0.991188	0.987933	0	0	0	0	0	0
0.996316	0.997814	0	0	0	0	0	0
0.980568	0.851855	0.04	0	0	0	0	0
0.98686	0.547528	0.32	0	0	0	0	0
0.992808	0.977197	0	0	0	0	0	0
0.996016	0.992716	0	0	0	0	0	0
0.99411	0.990714	0	0	0	0	0	0
0.996092	0.996072	0	0	0	0	0	0
0.995336	0.995157	0	0	0	0	0	0
0.020973	0.052863	0	0	0	0	0	0
0.908222	0.567292	0.2	0	0	0	0	0
0.995843	0.989709	0	0	0	0	0	0
0.017299	0.110179	0.03	0	0	0	0	0
0.994526	0.983216	0	0	0	0	0	0

0.952493	0.961061	0	0	0	0	0	0
0.993702	0.989512	0	0	0	0	0	0
0.783195	0.951423	0	0	0	0	0	0
0.98254	0.983	0	0	0	0	0	0
0.952716	0.895166	0	0	0	0	0	0
0.815704	0.926098	0	0	0	0	0	0
0.998816	0.999427	0	0	0	0	0	0
0.007266	0.006746	0	0	0	0	0	0
0.971568	0.980663	0	0	0	0	0	0
0.027155	0.038056	0	0	0	0	0	0
0.996398	0.98631	0	0	0	0	0	0
0.68941	0.756935	0	0	0	0	0	0
0.995914	0.99517	0	0	0	0	0	0
0.008164	0.043359	0	0	0	0	0	0
0.953552	0.984761	0	0	0	0	0	0
0.93733	0.974705	0	0	0	0	0	0
0.007113	0.020977	0	0	0	0	0	0
0.031404	0.060566	0	0	0	0	3	3
0.985198	0.981016	0	0	3	0	0	0
0.02871	0.074622	0	0	0	0	0	0
0.990116	0.950534	0	0	0	0	0	0
0.993074	0.958789	0	0	0	0	0	0
0.988471	0.974659	0	0	0	0	0	0
0.986724	0.982377	0	0	0	0	0	0
0.959123	0.979727	0	0	0	0	0	0
0.976423	0.97667	0	0	0	0	0	0
0.964221	0.972125	0	0	0	0	0	0
0.020133	0.063148	0	0	0	0	0	0
0.008666	0.010218	0	0	0	0	0	0
0.97832	0.964503	0	0	0	0	0	0
0.965482	0.967414	0	0	0	0	0	0
0.952549	0.932724	0	0	0	0	0	0
0.963096	0.967366	0	0	0	0	0	0
0.947897	0.979314	0	0	0	0	0	0
0.977545	0.980071	0	0	0	0	0	0
0.996975	0.992721	0	0	0	0	0	0
0.970334	0.97244	0	0	0	0	0	0
0.044164	0.0337	0	0	0	0	0	0
0.98277	0.985814	0	0	0	0	0	0
0.9902	0.990078	0	0	0	0	0	0
0.984825	0.97184	0	0	0	0	0	0
0.989248	0.974694	0	0	0	0	0	0
0.957214	0.984918	0	0	0	0	0	0
0.963995	0.971485	0	0	0	0	0	0
0.998709	0.996995	0	0	0	0	0	0
0.998079	0.996697	0	0	0	0	0	0
0.993324	0.996059	0	0	0	0	0	0

0.993939	0.996625	0	0	0	0	0	0
0.992725	0.995001	0	0	0	0	0	0
0.992223	0.996279	0	0	0	0	0	0
0.996615	0.995451	0	0	0	0	0	0
0.996762	0.997322	0	0	0	0	0	0
0.996902	0.991871	0	0	0	0	0	0
0.977191	0.979631	0	0	0	0	0	0
0.990196	0.994577	0	0	0	0	0	0
0.995778	0.992331	0	0	0	0	0	0
0.986852	0.989431	0	0	0	0	0	0
0.996092	0.994041	0	0	0	0	0	0
0.974337	0.993815	0	0	0	0	0	0
0.893897	0.847912	0	0	0	0	0	0
0.984258	0.988022	0	0	0	0	0	0
0.992721	0.978661	0	0	0	0	0	0
0.059265	0.126825	0	0	0	0	0	0
0.99113	0.985881	0	0	0	0	0	0
0.985699	0.962379	0	0	0	0	0	0
0.993127	0.977293	0	0	0	0	0	0
0.94563	0.961866	0	0	0	0	0	0
0.953315	0.938786	0	0	0	0	0	0
0.971089	0.971115	0	0	0	0	0	0
0.826524	0.855009	0	0	0	0	0	0
0.924513	0.810031	0	0	0	0	0	0
0.942058	0.991818	0	0	0	0	0	0
0.090007	0.311542	0.03	0	0	0	0	0
0.94354	0.947382	0	0	0	0	0	0
0.426744	0.444936	0	0	0	0	0	0
0.983174	0.996861	0	0	0	0	0	0
0.37611	0.044987	0.15	0	0	0	0	0
0.991992	0.996023	0	0	0	0	0	0
0.789357	0.501884	0.17	0	0	0	3	3
0.41341	0.047092	0.22	0	0	0	0	0
0.990424	0.989396	0	0	0	0	0	0
0.974018	0.960193	0	0	0	0	0	0
0.849013	0.572661	0	0	0	0	0	0
0.962133	0.684089	0.01	0	0	0	0	0
0.97942	0.736018	0.01	0	0	0	0	0
0.977427	0.794372	0.02	0	0	0	0	0
0.977228	0.839572	0.02	0	0	0	0	0
0.978056	0.849335	0	0	0	0	0	0
0.977984	0.834278	0.02	0	0	0	0	0
0.997734	0.993416	0	0	1	0	0	0
0.10388	0.18221	0	0	0	0	0	0
0.153947	0.043437	0.06	0	0	1	2	2
0.018504	0.018767	0	0	0	2	0	0
0.006762	0.004493	0	0	0	0	0	0

0.342405	0.225754	0.04	0	0	8	12	12
0.990037	0.98798	0	0	0	0	0	0
0.70371	0.141659	0.48	0	2	0	0	7
0.878693	0.217083	0.55	3	8	19	16	0
0.010723	0.017692	0	0	0	0	0	0
0.937345	0.515034	0.33	3	8	20	10	10
0.959018	0.854115	0.01	0	2	0	0	0
0.00087	0.01145	0.01	0	0	6	0	0
0.960385	0.936875	0	0	0	0	0	0
0.936675	0.922379	0	0	0	7	0	0
0.949727	0.937519	0	0	0	0	0	0
0.017024	0.099148	0	0	0	0	0	0
0.690977	0.205821	0.4	0	10	10	5	0
0.998053	0.964908	0	0	2	1	9	9
0.542696	0.568602	0	0	0	1	0	0
0.999263	0.994771	0	0	0	0	0	0
0.122882	0.260587	0.05	0	0	0	0	0
0.03848	0.030322	0	0	0	0	0	0
0.978626	0.993109	0	0	0	0	0	0
0.982363	0.993782	0	0	0	0	0	0
0.676511	0.501131	0	0	0	0	0	0
0.004973	0.013646	0	0	0	0	0	0
0.99101	0.949258	0	0	0	0	0	0
0.702508	0.122514	0.49	0	2	0	0	0
0.045756	0.436881	0.26	0	0	0	0	0
0.98524	0.888273	0.04	12	37	13	0	0
0.001002	0.001593	0	15	0	0	0	0
0.99865	0.994859	0	0	0	9	22	16
0.027205	0.143606	0.05	9	9	9	0	0
0.917553	0.519723	0.34	17	18	30	29	30
0.916923	0.696716	0.15	17	18	21	0	0
0.891486	0.562885	0.22	17	18	41	14	14
0.036744	0.218944	0.12	0	5	5	0	0
0.980442	0.986861	0	0	5	4	0	0
0.971035	0.983611	0	0	5	5	11	11
0.994324	0.995376	0	0	0	0	0	0
0.970729	0.957407	0	0	0	0	0	0
0.979503	0.952432	0	0	0	0	0	0
0.930605	0.918831	0	0	0	0	0	0
0.974836	0.836679	0.03	0	0	0	0	0
0.965641	0.963551	0	0	0	0	0	0
0.98076	0.95918	0	0	0	0	0	0
0.982902	0.96191	0	0	0	0	0	0
0.986108	0.973409	0	0	0	0	0	0
0.984344	0.982773	0	0	0	0	0	0
0.981541	0.97264	0	0	0	0	0	0
0.98261	0.978127	0	0	0	0	0	0

0.987753	0.991055	0	0	0	0	0	0
0.981804	0.953921	0	0	0	0	0	0
0.043118	0.080708	0	0	0	0	0	0
0.968372	0.972918	0	0	0	0	0	0
0.977105	0.983779	0	0	0	0	0	0
0.989808	0.988827	0	0	0	0	0	0
0.047836	0.013742	0	0	0	0	0	0
0.898665	0.945293	0	0	0	0	0	0
0.976943	0.981095	0	0	0	0	0	0
0.988434	0.987187	0	0	0	0	0	0
0.811935	0.896965	0	0	0	0	0	0
0.990797	0.950513	0	0	0	0	0	0
0.99599	0.992158	0	0	0	0	0	0
0.994197	0.971893	0	0	0	0	0	0
0.989393	0.983508	0	0	0	0	0	0
0.98612	0.990594	0	0	0	0	0	0
0.992337	0.984798	0	0	0	0	0	0
0.944838	0.835381	0	0	0	0	0	0
0.925773	0.851716	0	0	0	0	0	0
0.977357	0.947803	0	0	0	0	0	0
0.982297	0.971673	0	0	0	0	0	0
0.984191	0.975794	0	0	0	0	0	0
0.984612	0.972378	0	0	0	0	0	0
0.98612	0.976691	0	0	0	0	0	0
0.092221	0.166276	0	0	0	0	0	0
0.98166	0.958039	0	0	0	0	0	0
0.989726	0.990798	0	0	0	0	0	0
0.992178	0.988257	0	0	0	0	0	0
0.030603	0.017906	0	0	0	0	0	0
0.892603	0.519075	0.09	0	0	0	0	0
0.852454	0.505294	0	0	0	0	0	0
0.830178	0.718716	0	0	0	0	0	0
0.904312	0.780294	0	0	0	0	0	0
0.561549	0.7241	0	0	0	0	0	0
0.768605	0.854338	0	0	0	0	0	0
0.965715	0.940476	0	0	0	0	0	0
0.063296	0.06496	0	0	0	0	0	0
0.960948	0.949315	0	0	0	0	0	0
0.068175	0.055464	0	0	0	0	0	0
0.78036	0.680658	0	0	0	0	0	0
0.965841	0.9298	0	0	0	0	0	0
0.948997	0.957061	0	0	0	0	0	0
0.949355	0.948246	0	0	0	0	0	0
0.006455	0.008846	0	0	0	0	0	0
0.012501	0.005777	0	0	0	0	0	0
0.008752	0.026317	0	1	0	0	0	0
0.977937	0.981468	0	0	0	0	0	0

0.92745	0.949597	0	0	0	0	0	0
0.926129	0.724067	0	0	0	0	0	0
0.964838	0.057354	0.69	0	0	0	0	0
0.962505	0.980924	0	0	0	0	0	0
0.893098	0.474448	0.26	0	0	0	0	0
0.907549	0.519296	0.26	0	0	0	0	0
0.998654	0.997777	0	0	0	0	0	0
0.990503	0.997461	0	0	0	0	0	0
0.002227	0.003816	0	0	0	0	0	0
0.002089	0.003611	0	0	0	0	0	0
0.084938	0.031147	0	0	0	0	0	0
0.037764	0.096405	0.01	0	0	0	0	0
0.884469	0.240833	0.56	0	0	0	0	0
0.996251	0.994264	0	0	0	0	0	0
0.043844	0.076878	0	0	0	0	0	0
0.988591	0.978696	0	0	0	0	0	0
0.986887	0.978911	0	0	0	0	4	4
0.993713	0.992262	0	0	0	0	0	0
0.998262	0.996083	0	0	0	0	0	0
0.030625	0.026934	0	0	0	0	0	0
0.995452	0.998967	0	0	0	0	0	0
0.979701	0.986179	0	0	0	0	0	0
0.99613	0.998032	0	0	0	0	0	0
0.013785	0.004297	0	0	0	0	0	0
0.995252	0.995345	0	0	0	0	0	0
0.990621	0.997168	0	4	0	0	0	0
0.142489	0.44308	0.22	0	0	0	0	0
0.980681	0.99586	0	0	0	0	0	0
0.942256	0.97381	0	0	0	0	0	0
0.673053	0.812013	0	0	0	0	0	0
0.937131	0.571503	0.07	0	0	0	0	0
0.864721	0.937312	0	0	0	0	0	0
0.985215	0.985523	0	0	0	0	0	0
0.041809	0.100041	0	0	0	0	0	0
0.051121	0.083878	0	0	0	0	0	0
0.937894	0.958595	0	0	0	0	0	0
0.980914	0.991919	0	0	0	0	0	0
0.056136	0.015314	0	0	0	0	0	0
0.975726	0.950036	0	0	0	0	0	0
0.987076	0.995845	0	0	0	0	0	0
0.985856	0.983065	0	0	0	0	0	0
0.975893	0.884197	0	0	0	0	0	0
0.981241	0.965358	0	0	0	0	0	0
0.248532	0.449873	0.03	0	0	0	0	0
0.979157	0.988021	0	0	0	0	0	0
0.054254	0.068806	0	0	0	0	0	0
0.05036	0.070412	0	0	0	0	0	0

0.908494	0.967084	0	0	0	0	0	0
0.878166	0.882883	0	0	0	0	0	0
0.954773	0.950652	0	0	0	0	0	0
0.960227	0.95104	0	0	0	0	0	0
0.951724	0.924643	0	0	0	0	0	0
0.046669	0.03379	0	0	0	0	0	0
0.974618	0.985756	0	0	0	0	0	0
0.959828	0.921501	0	0	0	0	0	0
0.973082	0.937923	0	0	0	0	0	0
0.111313	0.316331	0	0	0	0	0	0
0.40768	0.788981	0	0	0	0	0	0
0.967465	0.974295	0	0	0	0	0	0
0.965469	0.972972	0	0	0	0	0	0
0.97308	0.960865	0	0	0	0	0	0
0.026315	0.03433	0	0	0	0	0	0
0.985679	0.979009	0	0	0	0	0	0
0.988318	0.936898	0	0	0	0	0	0
0.697121	0.56279	0	0	0	0	0	0
0.983216	0.937419	0	0	0	0	0	0
0.971788	0.853625	0	0	0	0	0	0
0.98125	0.907519	0	0	0	0	0	0
0.943839	0.771118	0	0	0	0	0	0
0.994631	0.975899	0	0	0	0	0	0
0.989982	0.942499	0	0	0	0	0	0
0.015463	0.044583	0	0	0	0	0	0
0.021039	0.037946	0	0	0	0	0	0
0.014323	0.037575	0	0	0	0	0	0
0.992746	0.986709	0	0	0	0	0	0
0.183859	0.391654	0	0	0	0	0	0
0.997687	0.98745	0	0	2	0	0	0
0.199186	0.728675	0.19	0	15	6	0	0
0.997744	0.989145	0	0	0	0	0	0
0.997293	0.964876	0	0	0	0	0	0
0.995201	0.98736	0	0	15	0	0	0
0.9976	0.957721	0	0	0	0	0	0
0.997613	0.972108	0	0	0	0	0	0
0.977004	0.949644	0	0	0	0	0	0
0.986696	0.882424	0	0	0	0	0	0
0.969594	0.962417	0	0	0	0	0	0
0.135746	0.300357	0	0	0	0	0	0
0.986665	0.96135	0	0	0	0	0	0
0.983771	0.917741	0	0	0	0	0	0
0.933151	0.646712	0.04	0	0	0	0	0
0.980632	0.949674	0	0	0	0	0	0
0.98507	0.942383	0	0	0	0	0	0
0.032424	0.048755	0	0	0	0	0	0
0.932118	0.934607	0	0	0	0	0	0

0.022288	0.033797	0	0	0	0	0	0
0.97691	0.936051	0	0	0	0	0	0
0.991585	0.991812	0	0	0	0	0	0
0.981098	0.890437	0	0	0	0	0	0
0.980563	0.961537	0	0	0	0	0	0
0.987979	0.917008	0.01	0	0	0	0	0
0.979061	0.960536	0	0	0	0	0	0
0.986385	0.955803	0	0	0	0	0	0
0.990425	0.989214	0	0	0	0	0	0
0.977924	0.987328	0	0	0	0	0	0
0.982424	0.980765	0	0	0	0	0	0
0.934549	0.916384	0	0	0	0	0	0
0.963	0.829605	0	0	0	0	0	0
0.968519	0.951969	0	0	0	0	0	0
0.979289	0.947906	0	0	0	0	0	0
0.987012	0.865454	0	0	0	0	0	0
0.996738	0.997863	0	0	0	0	0	0
0.736882	0.51476	0.04	0	0	0	0	0
0.995875	0.996766	0	0	0	0	0	0
0.960105	0.973607	0	0	0	0	0	0
0.991968	0.995975	0	0	0	0	0	0
0.001343	0.001548	0	0	0	0	0	0
0.99683	0.998498	0	0	0	0	0	0
0.004804	0.003892	0	0	0	0	0	0
0.999171	0.999454	0	0	0	0	0	0
0.032632	0.017724	0	0	0	0	0	0
0.901773	0.975166	0	0	0	0	0	0
0.931867	0.960354	0	0	0	0	0	0
0.937793	0.818545	0	0	0	0	0	0
0.76693	0.944452	0	0	0	0	0	0
0.812029	0.954778	0	0	0	0	0	0
0.013295	0.008343	0	0	0	0	0	0
0.833103	0.873754	0	0	0	0	0	0
0.878038	0.895788	0	0	0	0	0	0
0.997513	0.993277	0	0	0	0	0	0
0.003483	0.005814	0	0	0	0	0	0
0.026292	0.060214	0	0	0	0	0	0
0.958562	0.952402	0	0	0	0	0	0
0.975805	0.934067	0	0	0	0	0	0
0.938574	0.954517	0	0	0	0	0	0
0.719752	0.060633	0.4	0	0	0	0	0
0.955033	0.956624	0	0	0	0	0	0
0.971385	0.937248	0	0	0	0	0	0
0.963539	0.943168	0	0	0	0	0	0
0.090451	0.056075	0	0	0	0	0	0
0.015356	0.038857	0	0	0	0	0	0
0.962984	0.933167	0	0	0	0	0	0

0.997821	0.992633	0	0	0	0	0	0
0.989273	0.977623	0	0	0	0	0	0
0.992075	0.993989	0	0	0	0	0	0
0.996284	0.992121	0	0	0	0	0	0
0.004517	0.013772	0	0	0	0	0	0
0.998915	0.999219	0	0	0	0	2	0
0.631535	0.161451	0.31	0	0	0	0	0
0.019276	0.037337	0	4	5	0	0	0
0.536841	0.564135	0	0	0	0	0	0
0.21202	0.248495	0	0	0	0	0	0
0.997232	0.984962	0	0	0	0	0	0
0.997742	0.985968	0	0	0	0	0	0
0.999206	0.994442	0	0	0	0	4	0
0.001057	0.002132	0	0	0	0	0	0
0.99478	0.982808	0	0	0	0	0	0
0.994584	0.996656	0	0	0	0	0	0
0.995716	0.996397	0	0	0	0	0	0
0.995339	0.99489	0	0	0	0	0	0
0.996016	0.979271	0	0	0	0	0	0
0.009447	0.012936	0	0	0	0	0	0
0.98822	0.928947	0	0	0	0	0	0
0.051203	0.037051	0	0	0	0	0	0
0.983452	0.979593	0	0	0	0	0	0
0.978872	0.978165	0	0	0	0	0	0
0.967372	0.972884	0	0	0	0	0	0
0.98549	0.982342	0	0	0	0	0	0
0.983587	0.942834	0	0	0	0	0	0
0.957728	0.949262	0	0	0	0	0	0
0.999371	0.990554	0	0	0	0	0	0
0.992501	0.992122	0	0	0	0	0	0
0.026722	0.02424	0	0	0	0	0	0
0.964646	0.980471	0	0	0	0	0	0
0.988291	0.991513	0	0	0	0	0	0
0.268538	0.248274	0	0	0	0	0	0
0.967057	0.91961	0	0	0	0	0	0
0.871337	0.864264	0	0	0	0	0	0
0.992134	0.989384	0	0	0	0	0	0
0.00632	0.017966	0	6	0	0	0	0
0.991728	0.969427	0	0	0	0	0	0
0.018928	0.01688	0	0	0	0	0	0
0.993269	0.976819	0	0	0	0	0	0
0.988079	0.989674	0	0	0	0	0	0
0.978905	0.980675	0	0	0	0	0	0
0.936254	0.964245	0	0	0	0	0	0
0.985009	0.971383	0	0	0	0	0	0
0.987688	0.810909	0.02	0	0	0	0	0
0.332223	0.32419	0	0	0	0	0	0

0.715843	0.436627	0.06	0	0	0	0	0
0.988387	0.973895	0	0	0	0	0	0
0.01531	0.109943	0.01	0	0	0	0	0
0.997153	0.992943	0	0	0	0	0	0
0.030555	0.027195	0	0	0	0	0	0
0.923751	0.847127	0	0	0	0	0	0
0.951051	0.877912	0	0	0	0	0	0
0.987517	0.994113	0	0	0	0	0	0
0.988659	0.964497	0	0	0	0	0	0
0.991261	0.946573	0	0	0	0	0	0
0.993428	0.943665	0	0	0	0	0	0
0.990998	0.990368	0	0	0	0	0	0
0.971824	0.983453	0	0	0	0	0	0
0.987504	0.987747	0	0	0	0	0	0
0.972947	0.9828	0	0	0	0	0	0
0.9982	0.997694	0	0	0	0	0	0
0.008678	0.010926	0	0	0	0	0	0
0.977979	0.988905	0	0	0	0	0	0
0.996868	0.98915	0	0	0	0	0	0
0.997678	0.947275	0.02	0	0	0	0	0
0.963397	0.817969	0	0	0	0	0	0
0.971656	0.939999	0	0	0	0	0	0
0.055574	0.04478	0	0	0	0	0	0
0.972042	0.927053	0	0	0	0	0	0
0.974321	0.95074	0	0	0	0	0	0
0.962627	0.919498	0	0	0	0	0	0
0.978469	0.961598	0	0	0	0	0	0
0.974893	0.960947	0	0	0	0	0	0
0.047237	0.091417	0	0	0	0	0	0
0.963922	0.924772	0	0	0	0	0	0
0.025238	0.034526	0	0	0	0	0	0
0.99188	0.975422	0	0	0	0	0	0
0.989977	0.978244	0	0	0	0	0	0
0.966954	0.959923	0	0	0	0	0	0
0.992449	0.968525	0	0	0	0	0	0
0.372088	0.141045	0	0	0	0	5	6
0.04199	0.070837	0	0	0	0	0	0
0.990002	0.971554	0	0	0	0	0	0
0.942309	0.968848	0	0	0	0	0	0
0.983524	0.972021	0	0	0	0	0	0
0.037186	0.138266	0	0	0	0	0	0
0.979633	0.938954	0	0	0	0	0	0
0.992214	0.986852	0	0	0	0	0	0
0.01716	0.028942	0	0	0	0	0	0
0.992762	0.994475	0	0	0	0	0	0
0.990574	0.980283	0	0	0	0	0	0
0.992326	0.982875	0	0	0	0	0	0

0.97634	0.8617	0	0	0	0	6	0
0.988956	0.984072	0	0	0	0	0	0
0.992249	0.994794	0	0	0	0	0	0
0.010816	0.048543	0	0	0	0	0	0
0.991568	0.989677	0	0	0	0	0	0
0.988882	0.990805	0	0	0	0	0	0
0.026743	0.06638	0	0	0	0	0	0
0.991051	0.988891	0	0	0	0	0	0
0.124701	0.577991	0.21	0	0	0	0	0
0.995769	0.974541	0	0	0	0	0	0
0.995351	0.971464	0	0	0	0	0	0
0.002603	0.003384	0	0	0	0	0	0
0.580175	0.206542	0.3	0	0	0	0	0
0.986654	0.98503	0	0	0	0	0	0
0.034665	0.034297	0	0	0	0	0	0
0.038727	0.041322	0	0	0	0	0	0
0.987499	0.989324	0	0	0	0	0	0
0.984132	0.977269	0	0	0	0	0	0
0.990466	0.969657	0	0	0	0	0	0
0.989719	0.982031	0	0	0	0	0	0
0.99083	0.990059	0	0	0	0	0	0
0.02283	0.025547	0	0	0	0	0	0
0.984292	0.993254	0	0	0	0	0	0
0.985449	0.989137	0	0	0	0	0	0
0.015553	0.020233	0	0	0	0	0	0
0.991913	0.987854	0	0	0	0	0	0
0.980647	0.852679	0	0	0	0	0	0
0.057721	0.126337	0	0	0	0	0	0
0.989827	0.975737	0.01	0	0	0	0	0
0.996825	0.99849	0	0	0	0	0	0
0.995836	0.988454	0	0	0	0	0	0
0.905121	0.922092	0	0	0	0	0	0
0.996534	0.993825	0	0	0	0	0	0
0.987934	0.873758	0.07	0	0	0	0	0
0.993037	0.989014	0	0	0	0	0	0
0.993476	0.889652	0.05	0	0	0	0	0
0.98239	0.849359	0.08	0	0	0	0	0
0.008228	0.002871	0	0	0	0	0	0
0.959338	0.989617	0	0	0	0	0	0
0.998606	0.998861	0	0	0	0	0	0
0.998511	0.999113	0	0	0	0	0	0
0.9973	0.996847	0	0	0	0	0	0
0.998125	0.998771	0	0	0	0	0	0
0.996669	0.994847	0	0	0	0	0	0
0.006895	0.019423	0	0	0	0	0	0
0.99495	0.99635	0	0	0	0	0	0
0.990638	0.993508	0	0	0	0	0	0

0.993391	0.995551	0	0	0	0	0	0
0.972227	0.970333	0	0	0	0	0	0
0.996888	0.958362	0.01	0	0	0	0	0
0.020415	0.018988	0	0	0	0	0	0
0.992214	0.993336	0	0	0	0	0	0
0.995783	0.727313	0.18	0	0	0	0	0
0.016257	0.021142	0	0	0	0	0	0
0.067206	0.130175	0	0	0	0	0	0
0.924364	0.890819	0	0	0	0	0	0
0.986048	0.991474	0	0	0	0	0	0
0.991888	0.991206	0	0	0	0	0	0
0.990422	0.989124	0	0	0	0	0	0
0.945749	0.884803	0	0	0	0	0	0
0.931802	0.930757	0	0	0	0	0	0
0.564708	0.677955	0	0	0	0	0	0
0.925505	0.923611	0	0	0	0	0	0
0.95864	0.97471	0	0	0	0	0	0
0.952449	0.978326	0	0	0	0	0	0
0.995117	0.993635	0	0	0	0	0	0
0.903392	0.932966	0	0	0	0	0	0
0.954196	0.822293	0.04	0	0	0	0	0
0.962115	0.967558	0	0	0	0	0	0
0.967135	0.970116	0	0	0	0	0	0
0.990653	0.901118	0.02	0	0	0	0	0
0.978419	0.989528	0	0	0	0	0	0
0.983499	0.978873	0	0	0	0	0	0
0.015071	0.05977	0	0	0	5	0	0
0.995229	0.996435	0	0	0	0	0	4
0.79223	0.888268	0.03	2	0	0	0	0
0.97211	0.942482	0	0	0	0	0	0
0.212208	0.103071	0.02	0	0	0	17	6
0.018608	0.009078	0	0	0	6	1	4
0.057904	0.010003	0.02	0	14	22	38	36
0.911137	0.607977	0.13	0	0	0	0	0
0.082185	0.139998	0	4	3	3	13	10
0.987597	0.983971	0	0	14	14	8	8
0.995701	0.998363	0	0	0	0	0	0
0.924717	0.921996	0	0	0	0	0	0
0.997834	0.999114	0	0	0	0	0	0
0.054256	0.042408	0	1	2	17	8	2
0.008226	0.00637	0	0	0	0	0	0
0.962266	0.717672	0.1	0	9	9	8	12
0.96284	0.989527	0	0	0	0	7	3
0.017096	0.010018	0	0	0	0	0	0
0.022959	0.026841	0	0	0	0	0	0
0.996891	0.998272	0	0	0	0	0	0
0.055645	0.043608	0	0	3	0	0	0

0.080013	0.079905	0	0	3	9	12	12
0.171013	0.133319	0	0	3	6	0	0
0.003652	0.009578	0	12	0	0	0	0
0.181287	0.123715	0	11	0	5	0	0
0.997051	0.996989	0	0	0	0	0	0
0.008753	0.010906	0	0	0	0	0	0
0.084484	0.288469	0.09	0	0	0	0	0
0.129306	0.380425	0.12	0	0	0	0	0
0.162453	0.411341	0.11	0	0	0	1	0
0.060594	0.158758	0.05	0	0	0	0	9
0.017692	0.031446	0	7	40	40	18	20
0.830943	0.903432	0.01	0	0	0	0	0
0.071114	0.120256	0	13	2	2	24	20
0.207077	0.045748	0.07	0	0	0	0	0
0.239172	0.040136	0.12	0	0	0	0	0
0.015639	0.005688	0	0	0	0	0	0
0.672713	0.383919	0	0	0	0	0	0
0.792664	0.488243	0.11	0	5	0	0	0
0.944248	0.947037	0	0	0	0	0	0
0.117871	0.070158	0	0	0	0	0	0
0.946239	0.783682	0	0	0	0	0	0
0.968473	0.944774	0	0	0	0	0	0
0.99833	0.990983	0	0	0	0	0	0
0.998713	0.999121	0	0	0	0	0	0
0.97799	0.984957	0	0	0	0	0	0
0.027158	0.032984	0	0	0	0	0	0
0.992266	0.990751	0	0	0	0	0	0
0.995444	0.985893	0	0	0	0	0	0
0.989003	0.986132	0	0	0	0	0	0
0.867919	0.812108	0	0	0	0	0	0
0.994467	0.994114	0	0	0	0	0	0
0.993765	0.994323	0	0	0	0	0	0
0.991	0.99111	0	0	0	0	0	0
0.013648	0.014824	0	0	0	0	0	0
0.991997	0.985246	0	0	0	0	0	0
0.988415	0.994401	0	0	0	0	0	0
0.993014	0.993484	0	0	0	0	0	0
0.992369	0.993842	0	0	0	0	0	0
0.987549	0.995983	0	0	0	0	0	0
0.993751	0.990274	0	0	0	0	0	0
0.994349	0.992093	0	0	0	0	0	0
0.01259	0.012242	0	0	0	0	0	0
0.035484	0.011202	0	0	0	0	0	0
0.597864	0.99021	0.16	0	0	0	0	0
0.983684	0.98818	0	0	0	0	0	0
0.035235	0.065262	0	0	0	0	0	0
0.300214	0.146429	0	0	0	0	0	0

0.989577	0.988263	0	0	0	0	0	0
0.962528	0.969575	0	0	0	0	0	0
0.957639	0.96412	0	0	0	0	0	0
0.973986	0.928408	0	0	0	0	0	0
0.97227	0.95165	0	0	0	0	0	0
0.995382	0.989867	0	0	0	0	0	0
0.993911	0.985283	0	0	0	0	0	0
0.989562	0.977051	0	0	0	0	0	0
0.974349	0.943152	0	0	0	0	0	0
0.992307	0.990703	0	0	0	0	0	0
0.918711	0.776196	0	0	0	0	0	0
0.899951	0.724526	0	0	0	0	0	0
0.962351	0.962676	0	0	0	0	0	0
0.980077	0.978348	0	0	0	0	0	0
0.986307	0.975224	0	0	0	0	0	0
0.984245	0.969657	0	0	0	0	0	0
0.95803	0.933515	0	0	0	0	0	0
0.003446	0.013096	0	0	0	0	0	0
0.99691	0.998719	0	0	0	0	0	0
0.32686	0.115316	0.12	0	0	0	0	0
0.018357	0.006246	0	0	0	0	0	0
0.995889	0.987225	0.01	0	0	0	0	0
0.997489	0.563577	0.35	0	0	0	0	0
0.320723	0.542006	0.11	0	0	0	0	0
0.985515	0.968843	0	0	0	0	0	0
0.003019	0.00666	0	0	0	0	0	0
0.003342	0.011994	0	0	0	0	0	0
0.997225	0.980413	0	0	0	0	0	0
0.985595	0.980938	0	0	0	0	0	0
0.126089	0.171475	0	0	0	0	0	0
0.034081	0.049178	0	0	0	0	0	0
0.998222	0.997034	0	0	0	0	0	0
0.009465	0.011098	0	0	0	0	0	0
0.003828	0.005048	0	0	0	0	0	0
0.998403	0.995094	0	0	0	0	0	0
0.005836	0.006818	0	0	0	0	0	0
0.013026	0.098599	0.03	0	0	0	0	0
0.008339	0.013526	0	0	0	0	0	0
0.993461	0.972965	0	0	0	0	0	0
0.076154	0.125465	0	0	0	0	0	0
0.987567	0.969391	0	0	0	0	0	0
0.992138	0.983769	0	0	0	0	0	0
0.893001	0.958267	0	0	0	0	0	0
0.993195	0.99446	0	0	0	0	0	0
0.995428	0.975473	0	0	0	0	0	0
0.007715	0.050035	0	0	0	0	0	0
0.993085	0.993112	0	0	0	0	0	0

0.989324	0.995362	0	0	0	0	0	0
0.996144	0.988852	0	0	0	0	0	0
0.995413	0.973357	0	0	0	0	0	0
0.007672	0.056261	0	0	0	0	0	0
0.007857	0.033451	0	0	0	0	0	0
0.965363	0.889569	0	0	0	0	3	0
0.960669	0.879893	0	0	0	0	0	0
0.993902	0.987367	0	0	0	0	0	0
0.981268	0.986854	0	0	0	0	0	0
0.990724	0.991946	0	0	0	0	0	0
0.990674	0.977864	0	0	0	0	0	0
0.992995	0.989003	0	0	0	0	0	0
0.994678	0.990662	0	0	0	0	0	0
0.012697	0.021311	0	0	0	0	0	0
0.967166	0.791706	0.09	0	0	0	0	0
0.979308	0.23105	0.59	0	0	0	0	0
0.976732	0.354163	0.45	0	0	0	0	0
0.992488	0.991597	0	0	0	0	0	0
0.985037	0.945489	0	0	0	0	0	0
0.042948	0.160389	0	0	0	0	0	0
0.983591	0.903897	0	0	0	0	0	0
0.959286	0.961398	0	0	0	0	0	0
0.021445	0.053105	0	0	0	0	0	0
0.934824	0.947382	0	0	0	0	0	0
0.961068	0.955574	0	0	0	0	0	0
0.970571	0.957892	0	0	0	0	0	0
0.994321	0.970198	0	0	0	0	0	0
0.017868	0.016434	0	0	0	0	0	0
0.575468	0.72609	0	0	0	0	0	0
0.996162	0.934401	0	0	0	0	0	0
0.979977	0.949405	0	0	0	0	0	0
0.983671	0.982335	0	0	0	0	0	0
0.012306	0.005599	0	0	0	0	0	0
0.988537	0.995516	0	0	0	0	0	0
0.980317	0.994395	0	0	0	0	0	0
0.992222	0.992977	0	0	0	0	0	0
0.080577	0.033585	0	0	0	0	0	0
0.033027	0.02026	0	0	0	0	0	0
0.984187	0.990426	0	0	0	0	0	0
0.983212	0.98553	0	0	0	0	0	0
0.978517	0.987178	0	0	0	0	0	0
0.955956	0.990223	0	0	0	0	0	0
0.555373	0.253211	0.09	0	0	0	0	0
0.988255	0.994765	0	0	0	0	0	0
0.963764	0.960623	0	0	0	0	0	0
0.993486	0.993636	0	0	0	0	0	0
0.994754	0.995515	0	0	0	0	0	0

0.988253	0.989086	0	0	0	0	0	0
0.990804	0.990315	0	0	0	0	0	0
0.991718	0.9952	0	0	0	0	0	0
0.039793	0.094342	0	0	0	0	0	0
0.902494	0.969589	0	0	0	0	0	0
0.018756	0.041095	0	0	0	0	0	0
0.959322	0.9822	0	0	0	0	2	0
0.953507	0.926808	0	0	0	1	0	0
0.98833	0.981385	0	0	0	0	0	0
0.992111	0.979106	0	0	0	0	0	0
0.988624	0.962862	0	0	0	0	0	0
0.995638	0.995984	0	0	0	0	0	0
0.979689	0.954161	0	0	0	0	0	0
0.985244	0.971716	0	0	0	0	0	0
0.992729	0.982002	0	0	0	0	0	0
0.996674	0.997566	0	0	0	0	0	0
0.99741	0.997727	0	0	0	0	0	0
0.981103	0.896366	0	0	0	0	0	0
0.97476	0.958896	0	0	0	0	0	0
0.059585	0.107034	0	0	0	0	0	0
0.947795	0.92305	0	0	0	0	0	0
0.988826	0.985951	0	0	0	0	0	0
0.042716	0.026328	0	0	0	0	0	0
0.985772	0.84965	0.06	0	0	0	0	0
0.990916	0.995918	0	0	0	0	0	0
0.985777	0.98042	0	0	0	0	0	0
0.986362	0.967512	0	0	0	0	0	0
0.9173	0.86128	0	0	0	0	0	0
0.990271	0.990419	0	0	0	0	0	0
0.990106	0.991864	0	0	0	0	0	0
0.986778	0.978769	0	0	0	0	0	0
0.984494	0.983626	0	0	0	0	0	0
0.988424	0.987628	0	0	0	0	0	0
0.987784	0.990191	0	0	0	0	0	0
0.986095	0.985493	0	0	0	0	0	0
0.984527	0.98776	0	0	0	0	0	0
0.985518	0.972034	0	0	0	0	0	0
0.973206	0.982453	0	0	0	0	0	0
0.987548	0.992631	0	0	0	0	0	0
0.988076	0.986696	0	0	0	0	0	0
0.987052	0.99123	0	0	0	0	0	0
0.987858	0.994042	0	0	0	0	0	0
0.99192	0.986218	0	0	0	0	0	0
0.993787	0.99628	0	0	0	0	0	0
0.989646	0.996529	0	0	0	0	0	0
0.988708	0.969086	0	0	0	0	0	0
0.987158	0.967959	0	0	0	0	0	0

0.985089	0.984571	0	0	0	0	0	0
0.983869	0.979408	0	0	0	0	0	0
0.983316	0.984393	0	0	0	0	0	0
0.025817	0.030851	0	0	0	0	0	0
0.994264	0.994614	0	0	0	0	0	0
0.452297	0.230237	0.13	0	0	0	0	0
0.329285	0.334879	0	0	0	0	0	0
0.985777	0.992327	0	0	0	0	0	0
0.991722	0.994843	0	0	0	0	0	0
0.982137	0.995268	0	0	0	0	0	0
0.059526	0.007253	0	0	0	0	0	0
0.992268	0.998426	0	0	0	0	0	0
0.994838	0.999079	0	0	0	0	0	0
0.986749	0.991441	0	0	0	0	0	0
0.972215	0.996542	0	0	0	0	0	0
0.951647	0.968957	0	0	0	0	0	0
0.97744	0.988602	0	0	0	0	0	0
0.994085	0.99114	0	0	0	0	0	0
0.963604	0.960851	0	0	0	0	0	0
0.048038	0.065059	0	0	0	0	0	0
0.967505	0.960947	0	0	0	0	0	0
0.964812	0.980886	0	0	0	0	0	0
0.969983	0.985249	0	0	0	0	0	0
0.965966	0.988211	0	0	0	0	0	0
0.945959	0.963552	0	0	0	0	0	0
0.888016	0.949556	0	0	0	0	0	0
0.993287	0.985756	0	0	0	0	0	0
0.994535	0.9894	0	0	0	0	0	0
0.933568	0.943813	0	0	0	0	0	0
0.978615	0.967567	0	0	0	0	0	0
0.973917	0.962182	0	0	0	0	0	0
0.996945	0.989494	0	0	0	0	0	0
0.963962	0.910664	0	0	0	0	0	0
0.989253	0.993476	0	0	0	0	0	0
0.989915	0.990969	0	0	0	0	0	0
0.008408	0.010121	0	0	0	0	0	0
0.022495	0.010616	0	0	0	0	0	0
0.034143	0.026621	0	0	0	0	0	0
0.993692	0.994073	0	0	0	0	0	0
0.993318	0.995967	0	0	0	0	0	0
0.868577	0.700793	0	0	0	0	0	0
0.986954	0.995461	0	0	0	0	0	0
0.93599	0.991095	0	0	0	0	0	0
0.999351	0.998404	0	0	0	0	0	0
0.003576	0.005272	0	0	0	0	0	0
0.996856	0.996206	0	0	0	0	0	0
0.040864	0.08642	0	0	0	0	0	0

0.992069	0.958534	0	0	0	0	0	0
0.995469	0.989041	0	0	0	0	0	0
0.961837	0.79415	0.02	0	0	0	0	0
0.801315	0.775024	0	0	0	0	0	0
0.872124	0.924954	0	0	0	0	0	0
0.897112	0.95616	0	0	0	0	0	0
0.858088	0.842156	0	0	0	0	0	0
0.967748	0.899483	0	0	0	0	0	0
0.973892	0.97936	0	0	0	0	0	0
0.995834	0.983192	0	0	0	0	0	0
0.990901	0.961154	0	0	0	0	0	0
0.981056	0.99176	0	0	0	0	0	0
0.989501	0.925035	0	0	2	2	0	0
0.982505	0.766005	0	0	0	0	0	0
0.966211	0.943015	0	0	0	0	0	0
0.987865	0.979486	0	0	0	0	0	0
0.994222	0.998139	0	0	0	0	0	0
0.998584	0.997914	0	0	0	0	0	0
0.910011	0.975591	0	0	0	0	0	0
0.997098	0.989539	0	0	0	0	0	0
0.996984	0.994472	0	0	0	0	0	0
0.997499	0.996116	0	0	0	0	0	0
0.994313	0.992163	0	0	0	0	0	0
0.981508	0.990168	0	0	0	0	0	0
0.997063	0.988711	0	0	0	0	0	0
0.995133	0.976534	0	0	0	0	0	0
0.990811	0.954281	0	0	0	0	0	0
0.99318	0.869539	0.05	0	0	0	0	0
0.992602	0.970078	0	0	0	0	0	0
0.013653	0.028592	0	0	0	0	0	0
0.011777	0.061414	0	0	0	0	0	0
0.988022	0.995169	0	0	0	0	0	0
0.997894	0.997347	0	0	0	0	0	0
0.995871	0.651357	0.24	0	0	0	0	6
0.911333	0.760482	0.07	0	0	0	0	0
0.014661	0.062951	0	0	0	0	0	0
0.444303	0.179332	0.13	0	0	0	0	0
0.988326	0.978632	0	0	0	0	0	0
0.993518	0.966598	0	0	0	0	0	0
0.98896	0.979554	0	0	0	0	0	0
0.985957	0.983831	0	0	0	0	0	0
0.836534	0.512056	0.07	0	0	0	0	0
0.980753	0.973281	0	0	0	0	0	0
0.983594	0.984693	0	0	0	0	0	0
0.024118	0.029757	0	0	0	0	0	0
0.985393	0.982691	0	0	0	0	0	0
0.095958	0.256124	0	0	0	0	0	0

0.999121	0.994582	0	0	0	0	0	0
0.998974	0.997163	0	0	0	0	0	0
0.976228	0.950074	0	0	0	0	0	0
0.970038	0.938365	0	0	0	0	0	0
0.981262	0.971585	0	0	0	0	0	0
0.969568	0.942853	0	0	0	0	0	0
0.971427	0.944981	0	0	0	0	0	0
0.984311	0.937263	0	0	0	0	0	0
0.999174	0.991194	0	0	0	0	0	0
0.998772	0.984015	0	0	0	0	0	0
0.005847	0.002029	0	0	0	0	0	0
0.006878	0.002339	0	0	0	0	0	0
0.972154	0.943449	0	0	0	0	3	3
0.014883	0.018383	0	0	0	0	0	0
0.970712	0.982842	0	0	0	0	0	0
0.982417	0.964078	0	0	0	0	0	0
0.984359	0.992739	0	0	0	0	0	0
0.0462	0.027364	0	0	0	0	0	0
0.976521	0.940582	0	0	0	0	0	0
0.982982	0.724176	0.1	0	0	0	0	0
0.98659	0.953233	0	0	0	0	0	0
0.963877	0.923034	0	0	0	0	0	0
0.981429	0.994686	0	0	0	0	0	0
0.987665	0.981423	0	0	0	0	0	0
0.984848	0.979779	0	0	0	0	0	0
0.919603	0.866559	0	0	0	0	0	0
0.933125	0.956711	0	0	0	0	0	0
0.979876	0.98519	0	0	0	0	0	0
0.985407	0.969248	0	0	0	0	0	0
0.986569	0.969014	0	0	0	0	0	0
0.930872	0.740379	0.06	0	0	0	0	0
0.007818	0.031859	0	0	0	0	0	0
0.997138	0.996295	0	0	0	0	0	0
0.997713	0.997701	0	0	0	0	0	0
0.96082	0.934678	0	0	0	0	0	0
0.995929	0.982261	0	0	0	0	0	0
0.994795	0.983811	0	0	0	0	0	0
0.998591	0.989035	0	0	0	0	0	0
0.987099	0.980176	0	0	0	0	0	0
0.989564	0.984894	0	0	0	0	0	0
0.983637	0.962947	0	0	0	0	0	0
0.98105	0.968138	0	0	0	0	0	0
0.036047	0.099563	0	0	0	0	0	0
0.986504	0.974889	0	0	0	0	0	0
0.02862	0.047146	0	0	0	0	0	0
0.992338	0.986876	0	0	0	0	0	0
0.035066	0.067116	0	0	0	0	0	0

0.938532	0.934223	0	0	0	0	0	0
0.961828	0.954936	0	0	0	0	0	0
0.02489	0.017701	0	0	0	0	0	0
0.78788	0.318838	0.27	0	0	0	0	0
0.959577	0.888639	0	0	0	0	1	1
0.995247	0.994234	0	0	0	0	0	0
0.995155	0.99476	0	0	0	0	0	0
0.026006	0.033098	0	0	0	0	0	0
0.992852	0.988025	0	0	0	0	0	0
0.027594	0.062607	0	0	0	0	0	0
0.972452	0.984519	0	0	0	0	0	0
0.980103	0.98816	0	0	0	0	0	0
0.998104	0.998398	0	0	0	0	0	0
0.996763	0.993235	0	0	5	0	0	0
0.738145	0.910402	0.09	0	0	0	0	0
0.996857	0.985273	0	0	0	0	0	0
0.976675	0.994311	0	0	0	0	0	0
0.969963	0.993574	0	0	0	0	0	0
0.98749	0.985408	0	0	0	0	0	0
0.991548	0.99057	0	0	0	0	0	0
0.975248	0.911376	0	0	0	0	0	0
0.990375	0.991647	0	0	0	0	0	0
0.981736	0.995518	0	0	0	0	0	0
0.989737	0.994073	0	0	0	0	0	0
0.009513	0.018589	0	0	0	0	0	0
0.011547	0.041696	0	0	0	0	0	0
0.997215	0.977512	0	0	0	0	0	0
0.021292	0.053876	0	0	0	0	0	0
0.996719	0.997183	0	0	0	0	0	0
0.993384	0.979052	0	0	0	0	0	0
0.989198	0.954415	0	0	0	0	0	0
0.128496	0.06062	0	0	0	0	0	0
0.983327	0.97024	0	0	0	0	0	0
0.06464	0.281336	0	0	0	0	0	0
0.213549	0.21279	0	0	0	0	0	0
0.174263	0.090434	0	0	0	0	0	0
0.579787	0.565468	0	0	0	0	0	0
0.992311	0.99285	0	0	0	0	0	0
0.971709	0.978202	0	0	0	0	0	0
0.054611	0.037777	0	0	0	0	0	0
0.022582	0.018425	0	0	0	0	0	0
0.985867	0.992456	0	0	0	0	0	0
0.895911	0.955104	0	0	0	0	0	0
0.413928	0.362065	0	0	0	0	0	0
0.060329	0.044173	0	0	0	0	0	0
0.991927	0.982521	0	0	0	0	0	0
0.997535	0.993001	0	0	0	0	0	0

0.002003	0.0016	0	0	0	0	0	0
0.994762	0.957644	0.01	0	0	0	0	0
0.978733	0.990989	0	0	0	0	0	0
0.703934	0.961833	0.08	0	0	0	0	0
0.990712	0.993753	0	0	0	0	0	0
0.168169	0.07906	0	0	0	0	0	0
0.011939	0.014416	0	0	0	0	0	0
0.003055	0.002853	0	0	0	0	0	9
0.997152	0.996996	0	0	0	0	0	0
0.002723	0.003081	0	0	0	0	0	0
0.997751	0.997335	0	0	0	0	0	0
0.986323	0.96367	0	0	0	0	0	0
0.982748	0.98854	0	0	0	0	0	0
0.984304	0.967632	0	0	0	0	0	0
0.99378	0.990769	0	0	0	0	0	0
0.993892	0.991829	0	0	0	0	0	0
0.003563	0.070017	0.03	0	0	0	0	0
0.072148	0.209962	0.08	0	0	0	0	0
0.988593	0.994192	0	0	0	0	0	0
0.998206	0.99447	0	0	0	0	0	0
0.997664	0.991221	0	0	0	0	0	0
0.991154	0.983507	0	0	0	0	0	0
0.987493	0.978644	0	0	0	0	0	0
0.996952	0.994759	0	0	0	0	0	0
0.993808	0.99769	0	0	0	0	0	0
0.993925	0.993914	0	0	0	0	0	0
0.990636	0.987464	0	0	0	0	0	0
0.087199	0.030672	0	0	0	0	0	0
0.993127	0.932274	0	0	0	0	0	0
0.005866	0.003663	0	0	0	0	0	0
0.011876	0.009506	0	0	0	0	0	0
0.91161	0.880437	0	0	0	0	0	0
0.804631	0.758805	0	0	0	0	0	0
0.98955	0.969719	0	0	0	0	0	0
0.994076	0.993787	0	0	0	0	0	0
0.013734	0.020826	0	0	0	0	0	0
0.995966	0.995816	0	0	0	0	0	0
0.994396	0.994092	0	0	0	0	0	0
0.024137	0.081557	0	0	0	0	0	0
0.992098	0.9948	0	0	0	0	0	0
0.984783	0.940077	0	0	0	0	0	0
0.993253	0.995894	0	0	0	0	0	0
0.991975	0.99149	0	0	0	0	0	0
0.021576	0.027453	0	0	0	0	0	0
0.942495	0.996222	0.01	0	0	0	0	0
0.977583	0.959458	0	0	0	0	0	0
0.972994	0.967086	0	0	0	0	0	0

0.81373	0.790202	0	0	0	0	0	0
0.016103	0.026394	0	0	0	0	0	0
0.965166	0.972145	0	0	0	0	0	0
0.977889	0.977764	0	0	0	0	0	0
0.065049	0.137374	0	0	0	0	0	0
0.982444	0.91572	0	0	0	0	0	0
0.083485	0.05131	0	0	0	0	0	0
0.996739	0.991286	0	0	0	0	0	0
0.997729	0.989088	0	0	0	0	0	0
0.986897	0.999286	0.01	0	0	0	0	0
0.95143	0.926327	0	0	0	0	8	8
0.031351	0.130024	0.01	0	0	4	0	0
0.994799	0.994026	0	0	0	0	0	0
0.996185	0.98997	0	0	0	0	0	0
0.985622	0.898269	0.02	0	0	0	0	0
0.993553	0.919723	0.04	0	0	0	0	0
0.990304	0.997665	0	0	0	0	0	0
0.982424	0.997074	0	0	0	0	0	0
0.997332	0.997135	0	0	0	0	0	0
0.994491	0.994802	0	0	0	0	0	0
0.994022	0.992509	0	0	0	0	0	0
0.976249	0.966176	0	0	0	0	0	0
0.992977	0.996621	0	0	0	0	0	0
0.995233	0.98964	0	0	0	0	0	0
0.027972	0.042915	0	0	0	0	0	0
0.985713	0.975631	0	0	0	0	0	0
0.990639	0.993001	0	0	0	0	0	0
0.9855	0.973695	0	0	0	0	0	0
0.068351	0.083476	0	0	0	0	0	0
0.928771	0.951133	0	0	0	0	0	0
0.945824	0.92791	0	0	0	0	0	0
0.956359	0.979249	0	0	0	0	0	0
0.964456	0.975644	0	0	0	0	0	0
0.944805	0.97484	0	0	0	0	0	0
0.972902	0.945694	0	0	0	0	0	0
0.945933	0.992513	0	0	0	0	0	0
0.945161	0.978266	0	0	0	0	0	0
0.988497	0.992206	0	0	0	0	0	0
0.011048	0.007721	0	0	0	0	0	0
0.994338	0.990153	0	0	0	0	0	0
0.993879	0.996069	0	0	0	0	0	0
0.994442	0.993437	0	0	0	0	0	0
0.955325	0.941581	0	0	0	0	0	0
0.956535	0.951056	0	0	0	0	0	0
0.950349	0.965146	0	0	0	0	0	0
0.965518	0.953937	0	0	0	0	0	0
0.952311	0.949966	0	0	0	0	0	0

0.969332	0.952175	0	0	0	0	0	0
0.983439	0.980069	0	0	0	0	0	0
0.975236	0.97079	0	0	0	0	0	0
0.949663	0.848939	0	0	0	0	0	0
0.09613	0.159917	0	0	0	0	0	0
0.037404	0.028751	0	0	0	0	0	0
0.986385	0.991664	0	0	0	0	0	0
0.979434	0.963489	0	0	0	0	0	0
0.049158	0.039204	0	0	0	0	0	0
0.541557	0.239313	0.01	0	0	0	0	0
0.523269	0.24879	0	0	0	0	0	0
0.991888	0.990971	0	0	0	0	0	0
0.961985	0.881283	0	0	0	0	0	0
0.968614	0.901604	0	0	0	0	0	0
0.981492	0.977368	0	0	0	0	0	0
0.961821	0.888645	0	0	0	0	0	0
0.032488	0.068727	0	0	0	0	0	0
0.999865	0.999547	0	0	0	0	0	0
0.996812	0.994018	0	0	0	0	0	0
0.999492	0.9999	0	0	0	0	0	0
0.999896	0.999763	0	0	0	0	0	0
0.999254	0.997748	0	0	0	0	0	0
0.008311	0.010733	0	0	0	0	0	0
0.9982	0.98924	0	0	0	0	0	0
0.028189	0.011725	0	0	0	0	0	0
0.976093	0.94832	0	0	0	0	0	0
0.978945	0.984906	0	0	0	0	0	0
0.989578	0.992326	0	0	0	0	0	0
0.99268	0.98144	0	0	0	0	0	0
0.996268	0.980815	0	0	0	0	0	0
0.306987	0.33793	0	0	1	0	0	0
0.994708	0.960246	0	0	0	0	0	0
0.978937	0.92643	0.01	0	0	0	0	0
0.968398	0.932428	0	0	0	0	0	0
0.992703	0.988631	0	0	0	0	0	0
0.990636	0.995959	0	0	0	0	0	0
0.996519	0.992506	0	0	0	0	0	0
0.00251	0.003508	0	0	0	0	0	0
0.956693	0.967012	0	0	0	0	0	0
0.95053	0.946284	0	0	0	0	0	0
0.918103	0.955313	0	0	0	0	0	0
0.952202	0.974448	0	0	0	0	0	0
0.996213	0.980911	0	0	0	0	0	0
0.997465	0.992503	0	0	0	0	0	0
0.036787	0.361003	0	0	0	0	0	0
0.981373	0.901093	0	0	0	0	0	0
0.983269	0.954375	0	0	0	0	0	0

0.989348	0.99186	0	0	0	0	0	0
0.991311	0.975786	0	0	0	0	0	0
0.991452	0.980911	0	0	0	0	0	0
0.992469	0.980753	0	0	0	0	0	0
0.992239	0.985198	0	0	0	0	0	0
0.050289	0.070526	0	0	0	0	0	0
0.970094	0.985369	0	0	0	0	0	0
0.936564	0.971347	0	0	0	0	0	0
0.168394	0.078137	0	0	0	0	0	0
0.944415	0.791911	0.01	0	0	0	0	0
0.105332	0.249651	0	0	0	0	0	0
0.008246	0.047111	0	0	0	0	0	0
0.98221	0.980599	0	0	0	0	0	0
0.018896	0.063914	0	0	0	0	0	0
0.990525	0.975425	0	0	0	0	0	0
0.994341	0.983943	0	0	0	0	0	0
0.994117	0.988179	0	0	0	0	0	0
0.018165	0.061181	0	0	0	0	0	0
0.995469	0.987236	0	0	0	0	0	0
0.197956	0.358357	0	0	0	0	0	0
0.590198	0.925749	0.18	0	0	0	0	0
0.450072	0.831678	0.23	0	0	0	0	0
0.986952	0.97816	0	0	0	0	0	0
0.998474	0.997477	0	0	0	0	0	0
0.996788	0.98997	0	0	0	0	0	0
0.997148	0.992194	0	0	0	0	0	0
0.998337	0.99783	0	0	0	0	0	0
0.998531	0.998162	0	0	0	0	0	0
0.998879	0.998148	0	0	0	0	0	0
0.964809	0.874176	0.01	0	0	0	0	0
0.990164	0.987794	0	0	0	0	0	0
0.981053	0.959569	0	0	0	0	0	0
0.014178	0.015238	0	0	0	0	0	0
0.987308	0.991758	0	0	0	0	0	0
0.995291	0.995224	0	0	0	0	0	0
0.992476	0.993323	0	0	0	0	0	0
0.982782	0.990857	0	0	0	0	0	0
0.995385	0.994499	0	0	0	0	0	0
0.017434	0.018018	0	0	0	0	0	0
0.997665	0.998832	0	0	0	0	0	0
0.990103	0.197625	0.72	0	0	0	0	0
0.987674	0.729849	0.26	0	0	0	0	0
0.99643	0.967946	0	0	0	0	0	0
0.008195	0.021179	0	0	0	0	0	0
0.997321	0.990133	0	0	0	0	0	0
0.011119	0.031425	0	0	0	0	0	0
0.995669	0.995695	0	0	0	0	0	0

0.99517	0.99452	0	0	0	0	0	0
0.995851	0.996921	0	0	0	0	0	0
0.995816	0.998563	0	0	0	0	0	0
0.028916	0.011649	0	0	0	0	0	0
0.992932	0.985048	0	0	0	0	0	0
0.993633	0.987839	0	0	0	0	0	0
0.995759	0.984305	0	0	0	0	0	0
0.997039	0.995305	0	0	0	0	0	0
0.995668	0.975473	0	0	0	0	0	0
0.974225	0.95856	0	0	0	0	0	0
0.993654	0.977146	0	0	0	0	0	0
0.009991	0.005555	0	0	0	0	0	0
0.989742	0.99266	0	0	0	0	0	0
0.996657	0.994935	0	0	0	0	0	0
0.9964	0.994799	0	0	0	0	0	0
0.995879	0.953857	0	0	0	0	0	0
0.991971	0.971548	0	0	0	0	0	0
0.991801	0.976191	0	0	0	0	0	0
0.995043	0.985613	0	0	0	0	0	0
0.897226	0.866055	0	0	0	0	0	0
0.811858	0.651562	0	0	0	0	0	0
0.936352	0.96544	0	0	0	0	0	0
0.973689	0.975061	0	0	0	0	0	0
0.964968	0.983791	0	0	0	0	0	0
0.043417	0.049778	0	0	0	0	0	0
0.924629	0.908277	0	0	0	0	0	0
0.015792	0.025107	0	0	0	0	0	0
0.333807	0.353884	0	0	0	0	0	0
0.122004	0.130084	0	0	0	0	0	0
0.85661	0.891053	0	0	0	0	0	0
0.916807	0.865218	0	0	0	0	0	0
0.992943	0.992372	0	0	0	0	0	0
0.988669	0.984562	0	0	0	0	0	0
0.991825	0.982794	0	0	0	0	0	0
0.119817	0.174133	0	0	0	0	0	0
0.991359	0.986094	0	0	0	0	0	0
0.975002	0.966085	0	0	0	0	0	0
0.984166	0.981126	0	0	0	0	0	0
0.991947	0.991914	0	0	0	0	0	0
0.995796	0.98398	0	0	0	0	0	0
0.975582	0.906632	0	5	0	0	0	0
0.012004	0.02596	0	0	0	0	0	0
0.982646	0.979945	0	0	0	0	0	0
0.970234	0.979269	0	0	0	0	0	0
0.012601	0.079932	0.01	0	0	0	0	0
0.129829	0.164477	0	0	0	0	0	0
0.999083	0.996959	0	0	0	9	0	0

0.001736	0.007623	0	0	0	0	0	0
0.999277	0.998134	0	0	0	0	0	0
0.988833	0.947246	0.01	0	0	0	0	0
0.993063	0.968344	0	0	0	0	0	0
0.964707	0.933675	0	0	0	0	0	0
0.958329	0.856455	0.04	5	5	4	14	14
0.999271	0.976124	0	0	0	0	0	0
0.995519	0.583574	0.35	0	2	6	11	11
0.998022	0.997841	0	0	0	0	0	0
0.99767	0.997036	0	0	0	0	0	0
0.998907	0.991484	0	0	0	0	0	0
0.911492	0.763224	0	0	0	0	0	0
0.926198	0.811557	0	0	0	1	0	0
0.653855	0.74461	0	0	0	0	0	0
0.993708	0.992134	0	0	0	0	0	0
0.985603	0.986728	0	0	0	0	0	0
0.034898	0.058969	0	0	0	0	0	0
0.980648	0.972412	0	0	0	0	0	0
0.027252	0.051074	0	0	0	0	0	0
0.964466	0.983615	0	0	0	0	0	0
0.987158	0.982909	0	0	0	0	0	0
0.92952	0.964577	0	0	0	0	0	0
0.945735	0.973159	0	0	0	0	0	0
0.433125	0.641489	0	0	0	0	0	0
0.992979	0.993342	0	0	0	0	0	0
0.958876	0.888326	0	0	0	0	0	0
0.987662	0.969269	0	0	0	0	0	0
0.986325	0.995807	0	0	0	0	0	0
0.99434	0.997846	0	0	0	0	0	0
0.328772	0.460601	0	0	0	0	0	0
0.739139	0.714028	0	0	0	0	0	0
0.998588	0.998585	0	0	0	0	0	0
0.998128	0.997239	0	0	0	0	0	0
0.284436	0.439511	0	0	0	0	0	0
0.998887	0.997927	0	0	0	0	0	0
0.947567	0.945962	0	0	0	0	0	0
0.954439	0.956973	0	0	0	0	0	0
0.949218	0.885856	0	0	0	0	0	0
0.06189	0.060473	0	0	0	0	0	0
0.994896	0.994471	0	0	0	0	0	0
0.950079	0.801198	0	0	0	0	0	0
0.997809	0.995497	0	0	0	0	0	0
0.985721	0.947204	0	0	0	0	0	0
0.99009	0.963878	0	0	0	0	0	0
0.993088	0.985058	0	0	0	0	0	0
0.997376	0.992118	0	0	0	0	0	0
0.988522	0.987031	0	0	0	0	0	0

0.00913	0.057675	0	0	0	0	0	0
0.474706	0.593285	0	0	0	0	0	0
0.982905	0.96937	0	0	0	0	0	0
0.926053	0.971881	0	0	0	0	0	0
0.943929	0.939828	0	0	0	0	0	0
0.914506	0.936011	0	0	0	0	0	0
0.999488	0.99833	0	0	0	0	0	0
0.997794	0.988099	0	0	0	0	0	0
0.976912	0.966396	0	0	0	0	0	0
0.031153	0.051649	0	0	0	3	0	0
0.959358	0.956609	0	0	0	4	0	0
0.983812	0.963375	0	0	0	0	0	0
0.986021	0.978934	0	0	0	0	0	0
0.984783	0.982742	0	0	0	0	0	0
0.030263	0.02254	0	0	0	0	0	0
0.032255	0.064999	0	0	0	0	0	0
0.107223	0.048992	0	0	0	0	0	0
0.017883	0.036891	0	0	0	0	0	0
0.032122	0.215141	0.06	0	0	0	0	0
0.02686	0.167738	0.03	0	0	0	0	0
0.994882	0.971892	0	0	0	0	0	5
0.997213	0.988561	0	0	0	0	0	0
0.250337	0.108583	0.02	0	0	0	0	0
0.996745	0.974905	0	0	0	0	0	0
0.995395	0.964283	0	0	0	0	0	0
0.974623	0.953273	0	0	0	0	0	0
0.987371	0.955498	0	0	0	0	0	0
0.995148	0.967392	0	0	0	0	0	0
0.992711	0.995289	0	0	0	0	0	0
0.993568	0.995648	0	0	0	0	0	0
0.987159	0.988847	0	0	0	0	0	0
0.007517	0.002987	0	0	0	0	0	0
0.988118	0.949863	0	0	0	0	0	0
0.991499	0.998541	0	0	0	0	0	0
0.696763	0.108353	0.34	0	0	0	0	0
0.990114	0.995035	0	0	0	0	0	0
0.913423	0.969394	0	0	0	0	0	0
0.993038	0.993978	0	0	0	0	0	0
0.00467	0.005947	0	0	0	0	0	0
0.001419	0.000893	0	0	0	0	0	0
0.930031	0.98933	0	0	0	0	0	0
0.992616	0.733735	0.06	0	0	0	0	0
0.902841	0.746579	0	0	0	0	0	0
0.492309	0.604822	0	0	0	0	0	0
0.784469	0.230606	0.27	0	0	0	0	0
0.83059	0.787541	0	0	0	0	0	0
0.992875	0.964926	0	0	0	0	0	0

0.993403	0.906957	0.02	0	0	0	0	0
0.995213	0.984335	0	0	0	0	0	2
0.991405	0.974733	0	0	0	0	0	0
0.975505	0.936164	0	0	0	0	0	0
0.976087	0.960736	0	0	0	0	0	0
0.982969	0.968535	0	0	0	0	0	0
0.981177	0.962535	0	0	0	0	0	0
0.031418	0.19577	0	0	0	0	0	0
0.990113	0.975228	0	0	0	0	0	0
0.993601	0.988428	0	0	0	0	0	0
0.997569	0.996834	0	0	0	0	0	0
0.015533	0.060245	0	0	0	0	0	0
0.643122	0.629373	0	0	0	0	0	0
0.994975	0.976424	0	0	0	0	0	0
0.393538	0.725619	0	0	0	0	0	0
0.978101	0.988782	0	0	0	0	0	0
0.652692	0.822898	0	0	0	0	0	0
0.407549	0.74887	0	0	0	0	0	0
0.983102	0.993387	0	0	0	0	0	0
0.946757	0.993384	0	0	0	0	0	0
0.552365	0.66459	0	0	0	0	0	0
0.061727	0.158539	0	0	0	0	0	0
0.993624	0.983621	0	0	0	0	0	0
0.870682	0.856331	0	0	0	0	0	0
0.732651	0.846771	0	0	0	0	0	0
0.996192	0.986269	0	0	0	0	0	0
0.707732	0.718719	0	0	0	0	0	0
0.963969	0.899057	0.02	0	0	0	0	0
0.997655	0.997537	0	0	0	0	0	0
0.001358	0.002378	0	0	0	0	0	0
0.999407	0.99951	0	0	0	0	0	0
0.999478	0.999466	0	0	0	0	0	0
0.939531	0.755893	0.12	0	0	0	0	0
0.00142	0.000505	0	0	0	0	0	0
0.002814	0.012255	0	0	0	0	0	0
0.91309	0.286723	0.49	0	0	0	0	0
0.8613	0.464516	0.29	0	0	0	0	0
0.851261	0.473317	0.26	0	0	0	0	0
0.938244	0.969252	0	0	0	0	0	0
0.940737	0.971777	0	0	0	0	0	0
0.944635	0.975488	0	0	0	0	0	0
0.934876	0.967184	0	0	0	0	0	0
0.067516	0.206523	0	0	0	0	0	0
0.031404	0.047051	0	0	0	0	0	0
0.949623	0.923399	0	0	0	0	0	0
0.036063	0.060102	0	0	0	0	0	0
0.957646	0.793077	0	0	0	0	0	0

0.950505	0.927308	0	0	0	0	0	0
0.985749	0.958218	0	0	0	0	0	0
0.959902	0.903692	0	0	0	0	0	0
0.94734	0.961185	0	0	0	0	0	0
0.91071	0.945174	0	0	0	0	0	0
0.057797	0.06527	0	0	0	0	0	0
0.992741	0.987403	0	0	0	0	0	0
0.942653	0.841437	0	0	0	0	0	0
0.811061	0.838021	0	0	0	0	0	0
0.988233	0.986044	0	0	0	0	0	0
0.981902	0.98621	0	0	0	0	0	0
0.042901	0.041846	0	0	0	0	0	0
0.985303	0.989389	0	0	0	0	0	0
0.979859	0.9257	0	0	0	0	0	0
0.047008	0.052291	0	0	0	0	0	0
0.04163	0.169783	0.02	0	0	0	0	0
0.003998	0.004422	0	0	0	0	0	0
0.993155	0.979871	0	0	0	0	0	0
0.007003	0.003925	0	0	0	0	0	0
0.007921	0.020442	0	0	0	0	0	0
0.299758	0.070111	0.1	0	0	0	0	0
0.987234	0.592562	0.22	0	0	0	0	0
0.987943	0.967215	0	0	0	0	0	0
0.798209	0.783015	0	0	0	0	0	0
0.989736	0.983298	0	0	0	0	0	0
0.01332	0.063618	0	6	0	0	0	0
0.025802	0.210534	0.1	0	0	0	0	0
0.997579	0.982054	0	0	0	0	3	3
0.018143	0.038151	0	0	0	0	0	0
0.997291	0.93413	0.03	0	0	0	3	0
0.009861	0.0234	0	0	0	0	0	0
0.979265	0.730207	0.15	0	0	0	19	19
0.929708	0.606105	0.17	6	0	0	0	0
0.899746	0.638995	0.13	0	0	0	0	0
0.995001	0.991108	0	0	0	0	0	0
0.985017	0.988784	0	0	0	0	0	0
0.008438	0.036741	0	0	0	0	0	0
0.985617	0.988028	0	0	0	0	0	0
0.98517	0.990282	0	0	0	0	0	0
0.989393	0.992119	0	0	0	0	0	0
0.985269	0.991736	0	0	0	0	0	0
0.973156	0.985512	0	0	0	0	0	0
0.046971	0.024996	0	0	0	0	0	0
0.024552	0.019313	0	0	0	0	0	0
0.50386	0.297473	0.01	0	0	0	0	0
0.992128	0.996869	0	0	0	0	0	0
0.986186	0.989861	0	0	0	0	0	0

0.98496	0.990195	0	0	0	0	0	0
0.988721	0.988988	0	0	0	0	0	0
0.957953	0.971139	0	0	0	0	0	0
0.055365	0.063964	0	0	0	0	0	0
0.097743	0.234416	0	0	0	1	0	0
0.971715	0.914793	0	0	0	0	0	0
0.039787	0.10121	0	0	0	0	0	0
0.991515	0.983197	0	0	0	0	0	0
0.989773	0.987693	0	0	0	0	0	0
0.988391	0.982825	0	0	0	0	0	0
0.988876	0.983587	0	0	0	0	0	0
0.98728	0.976051	0	0	0	0	2	2
0.990859	0.963375	0	0	0	0	0	0
0.971367	0.951977	0	0	0	0	0	0
0.984223	0.983461	0	0	0	0	0	0
0.982122	0.988798	0	0	0	0	0	0
0.993152	0.979545	0	0	0	0	0	0
0.971365	0.887922	0	0	0	0	0	0
0.962277	0.940063	0	0	0	0	0	0
0.961303	0.941347	0	0	0	0	0	0
0.979146	0.91199	0	0	0	0	0	0
0.959298	0.909603	0	0	0	0	0	0
0.950143	0.969544	0	0	0	0	0	0
0.993084	0.984466	0	0	0	0	0	0
0.925899	0.94214	0	0	0	0	0	0
0.008357	0.010288	0	0	0	0	0	0
0.965229	0.965853	0	0	0	0	0	0
0.070729	0.048708	0	0	0	0	0	0
0.955522	0.965171	0	0	0	0	0	0
0.988579	0.980225	0	0	0	0	0	0
0.987545	0.984988	0	0	0	0	0	0
0.036726	0.040599	0	0	0	0	0	0
0.995597	0.991912	0	0	0	0	0	0
0.993419	0.986039	0	0	0	0	0	0
0.987259	0.974857	0	0	0	0	0	0
0.995356	0.980425	0	0	0	0	0	0
0.998673	0.997812	0	0	0	0	0	0
0.998759	0.990172	0	0	0	0	0	0
0.955673	0.933504	0	0	0	0	0	0
0.857599	0.837018	0	0	0	0	0	0
0.991546	0.990187	0	0	0	0	0	0
0.977746	0.971861	0	0	0	0	0	0
0.978729	0.974631	0	0	0	0	0	0
0.990742	0.978635	0	0	0	0	0	0
0.987074	0.978286	0	0	0	0	0	0
0.988201	0.985068	0	0	0	0	0	0
0.991562	0.982602	0	0	0	0	0	0

0.988025	0.980197	0	0	0	0	0	0
0.98865	0.962077	0	0	0	0	0	0
0.981008	0.98363	0	0	0	0	0	0
0.987297	0.982135	0	0	0	0	0	0
0.989829	0.980626	0	0	0	0	0	0
0.986232	0.953218	0	0	0	0	0	0
0.985188	0.949013	0	0	0	0	0	0
0.989002	0.95395	0	0	0	0	0	0
0.99085	0.957558	0	0	0	0	0	0
0.98914	0.938824	0	0	0	0	0	0
0.989888	0.975995	0	0	0	0	0	0
0.992379	0.979145	0	0	0	0	0	0
0.955911	0.781179	0	0	0	0	0	0
0.963346	0.946023	0	0	0	0	0	0
0.978241	0.940424	0	0	0	0	0	0
0.064967	0.16822	0	0	0	0	0	0
0.991122	0.957394	0	0	0	0	0	0
0.019639	0.064035	0	0	0	0	0	0
0.971925	0.937302	0	0	0	0	0	0
0.994259	0.964272	0	0	0	0	0	0
0.008955	0.013413	0	0	0	0	0	0
0.41603	0.471611	0	0	0	0	0	0
0.778948	0.79276	0	0	0	0	0	0
0.990395	0.991481	0	0	0	0	0	0
0.995103	0.995078	0	0	0	0	0	0
0.02228	0.020542	0	0	0	0	0	0
0.990476	0.972567	0	0	0	0	0	0
0.992091	0.992943	0	0	0	0	0	0
0.045169	0.058107	0	0	0	0	0	0
0.164906	0.05705	0	0	0	0	0	0
0.989876	0.995412	0	0	0	0	0	0
0.05919	0.037899	0	0	0	0	0	0
0.970832	0.968774	0	0	0	0	0	0
0.984334	0.986732	0	0	0	0	0	0
0.947989	0.972418	0	0	0	0	0	0
0.931219	0.788293	0	0	0	0	0	0
0.923544	0.958721	0	0	0	0	0	0
0.960007	0.969428	0	0	0	0	0	0
0.967651	0.981522	0	0	0	0	0	0
0.99651	0.996449	0	0	0	0	0	0
0.992899	0.980348	0	0	0	0	0	0
0.99253	0.990877	0	0	0	0	0	0
0.994371	0.993919	0	0	0	0	0	0
0.991044	0.992791	0	0	0	0	0	0
0.990371	0.988271	0	0	0	0	0	0
0.985485	0.982721	0	0	0	0	0	0
0.053945	0.127549	0	0	0	0	0	0

0.96437	0.607539	0.27	0	0	0	0	0
0.158965	0.071144	0	0	0	0	0	0
0.998428	0.998245	0	0	0	0	0	0
0.005941	0.019437	0	0	0	0	0	0
0.011246	0.017294	0	0	0	0	0	0
0.970708	0.834204	0.06	0	0	0	0	0
0.989331	0.967021	0	0	0	0	0	0
0.990799	0.922699	0.02	0	0	0	0	0
0.970401	0.976572	0	0	0	0	0	0
0.996507	0.986104	0	0	0	0	0	0
0.996559	0.995547	0	0	0	0	0	0
0.995863	0.938528	0.01	0	0	0	0	0
0.98278	0.869553	0.05	0	0	0	0	0
0.972541	0.838146	0.08	0	0	0	0	0
0.994018	0.989521	0	0	0	0	0	0
0.997507	0.978176	0	0	0	0	0	0
0.046568	0.038294	0	0	0	0	0	0
0.045833	0.042154	0	0	0	0	0	0
0.983924	0.989772	0	0	0	0	0	0
0.944825	0.952723	0	0	0	0	0	0
0.973324	0.985573	0	0	0	0	0	0
0.981884	0.986081	0	0	0	0	0	0
0.959294	0.947532	0	0	0	0	0	0
0.978818	0.944088	0	0	0	0	0	0
0.962032	0.968359	0	0	0	0	0	0
0.885869	0.779129	0	0	0	0	0	0
0.983089	0.990698	0	0	0	0	0	0
0.983398	0.986281	0	0	0	0	0	0
0.971426	0.984828	0	0	0	0	0	0
0.023807	0.009669	0	0	0	0	0	0
0.993883	0.997649	0	0	0	0	0	0
0.024974	0.014336	0	0	0	6	0	0
0.022118	0.01489	0	0	0	0	0	0
0.024301	0.022069	0	0	0	0	0	0
0.720895	0.768921	0	0	0	0	0	0
0.739729	0.813173	0	0	0	0	0	0
0.632584	0.784292	0	0	0	0	0	0
0.0287	0.012201	0	0	0	0	1	0
0.990665	0.995337	0	0	0	0	0	0
0.992347	0.996875	0	0	6	0	0	0
0.779702	0.952364	0.08	0	0	0	0	0
0.996559	0.967877	0	0	0	0	0	0
0.005814	0.013064	0	0	0	0	0	0
0.997069	0.996956	0	0	0	0	0	0
0.092598	0.053157	0	0	0	0	0	0
0.994477	0.713233	0.18	0	0	0	0	0
0.977719	0.990372	0	0	0	0	0	0

0.981793	0.990793	0	0	0	0	0	0
0.983044	0.985043	0	0	0	0	0	0
0.914616	0.601982	0.03	0	0	0	4	4
0.997107	0.996154	0	0	0	0	0	0
0.996905	0.991448	0	0	0	0	0	0
0.943725	0.967353	0	0	0	0	0	0
0.994383	0.991311	0	0	0	0	0	0
0.987855	0.963147	0	0	0	0	0	0
0.993467	0.986702	0	0	0	0	0	0
0.987017	0.947909	0	0	0	0	0	0
0.943318	0.928313	0	0	0	0	0	0
0.986752	0.99527	0	0	0	0	0	0
0.711868	0.441309	0.17	0	0	0	0	0
0.017016	0.052983	0	0	0	0	0	0
0.988464	0.928575	0.01	0	0	0	0	0
0.969162	0.942683	0	0	0	0	0	0
0.974702	0.955689	0	0	0	0	0	0
0.981498	0.980033	0	0	0	0	0	0
0.986666	0.985124	0	0	0	0	0	0
0.987236	0.987882	0	0	0	0	0	0
0.988035	0.990024	0	0	0	0	0	0
0.05996	0.105815	0	0	0	0	0	0
0.940316	0.844887	0	0	0	0	0	0
0.259947	0.183372	0	0	0	0	0	0
0.361757	0.152627	0	0	0	0	0	0
0.970123	0.983705	0	0	0	0	0	0
0.989772	0.993523	0	0	0	0	0	0
0.977703	0.984849	0	0	0	0	0	0
0.018655	0.009171	0	0	0	0	0	0
0.992004	0.982819	0	0	0	0	0	0
0.982125	0.819935	0.04	0	0	0	0	0
0.99382	0.876873	0.02	0	0	0	0	0
0.988759	0.929144	0	0	0	0	0	0
0.061707	0.068767	0	0	0	0	0	0
0.974103	0.962823	0	0	0	0	0	0
0.045613	0.054246	0	0	0	0	0	0
0.979961	0.980469	0	0	0	0	0	0
0.041762	0.097757	0	0	0	0	0	0
0.977667	0.973588	0	0	0	0	0	0
0.985617	0.959216	0	0	0	0	0	0
0.895283	0.897054	0	0	0	0	0	0
0.894213	0.890663	0	0	0	0	0	0
0.991523	0.980084	0	0	0	0	0	0
0.325553	0.347218	0	0	0	0	0	0
0.738533	0.652937	0	0	0	0	0	0
0.089128	0.05843	0	0	0	0	0	0
0.983949	0.962807	0	0	0	0	0	0

0.988481	0.938979	0	0	0	0	0	0
0.979289	0.717453	0.08	0	0	0	0	0
0.986631	0.975244	0	0	0	0	0	0
0.960621	0.972716	0	0	0	0	0	0
0.051356	0.02579	0	0	0	0	0	0
0.956881	0.971028	0	0	0	0	0	0
0.976554	0.945745	0	0	0	0	0	0
0.946047	0.982636	0	0	0	0	0	0
0.979659	0.957547	0	0	0	0	0	0
0.986573	0.960094	0	0	0	0	0	0
0.985342	0.955237	0	0	0	0	0	0
0.984741	0.959912	0	0	0	0	0	0
0.969276	0.936607	0	0	0	0	0	0
0.605072	0.79744	0	0	0	0	0	0
0.976635	0.941189	0	0	0	0	0	0
0.110984	0.087591	0	0	0	0	0	0
0.100621	0.324921	0.08	0	0	0	0	0
0.996092	0.991676	0	0	0	0	0	0
0.996653	0.998106	0	0	0	0	0	0
0.996146	0.998022	0	0	0	0	0	0
0.996061	0.996738	0	0	0	0	0	0
0.982261	0.954403	0	0	0	0	0	0
0.020946	0.029332	0	0	0	0	0	0
0.064532	0.081535	0	0	0	0	0	0
0.977114	0.976996	0	0	0	0	0	0
0.016655	0.034647	0	0	0	0	0	0
0.977231	0.986668	0	0	0	0	0	0
0.990234	0.979469	0	0	0	0	0	0
0.98946	0.978766	0	0	0	0	0	0
0.913692	0.945897	0	0	0	0	0	0
0.989425	0.974742	0	0	0	0	0	0
0.987837	0.991417	0	0	0	0	0	0
0.987694	0.991501	0	0	0	0	0	0
0.994071	0.925853	0.03	0	0	0	0	0
0.997601	0.96507	0.01	0	0	0	0	0
0.006293	0.01059	0	0	0	0	0	0
0.991069	0.995352	0	0	0	0	0	0
0.99417	0.998219	0	0	0	0	0	0
0.993747	0.993264	0	0	0	0	0	0
0.010404	0.009117	0	0	0	0	0	0
0.993895	0.981543	0	0	0	0	0	0
0.995879	0.992574	0	0	0	0	0	0
0.0061	0.0032	0	0	0	0	0	0
0.995417	0.993377	0	0	0	0	0	0
0.98861	0.989834	0	0	0	0	0	0
0.029526	0.027677	0	0	0	0	0	0
0.856612	0.957592	0	0	0	0	0	0

0.964503	0.939071	0	0	0	0	0	0
0.340054	0.356519	0	0	0	0	0	0
0.989944	0.986419	0	0	0	0	0	0
0.96665	0.97248	0	0	0	0	0	0
0.904857	0.803495	0	0	0	0	0	0
0.985485	0.990124	0	0	0	0	0	0
0.017328	0.017282	0	0	0	0	0	0
0.982853	0.634977	0.02	0	0	0	0	0
0.980006	0.800707	0	0	0	0	0	0
0.979799	0.879254	0	0	0	0	0	0
0.965053	0.946843	0	0	0	0	0	0
0.978747	0.906408	0	0	0	0	0	0
0.972863	0.954512	0	0	0	0	0	0
0.427026	0.37209	0	0	0	0	0	0
0.979511	0.749171	0.06	0	0	0	0	0
0.186927	0.068196	0	0	0	0	0	0
0.971528	0.868889	0	0	0	0	0	0
0.974085	0.949516	0	0	0	0	0	0
0.984411	0.951307	0	0	0	0	0	0
0.009185	0.042463	0	0	0	0	0	0
0.995969	0.9637	0	0	0	0	0	0
0.003624	0.024781	0	0	0	0	0	0
0.971558	0.365268	0.34	0	0	0	0	0
0.0065	0.028055	0	0	0	0	0	0
0.994463	0.926754	0	0	0	0	0	0
0.996212	0.959608	0	0	0	0	0	0
0.97611	0.944773	0	0	0	0	0	0
0.99034	0.968605	0	0	0	0	0	0
0.045166	0.051862	0	0	0	0	0	0
0.622985	0.859796	0	0	0	0	0	0
0.98932	0.94779	0	0	0	0	0	0
0.981282	0.961926	0	0	0	0	0	0
0.95266	0.973372	0	0	0	0	0	0
0.962457	0.971558	0	0	0	0	0	0
0.980378	0.974235	0	0	0	0	0	0
0.997096	0.997658	0	0	0	0	0	0
0.131681	0.013303	0.06	0	0	0	0	0
0.976179	0.956755	0	0	0	0	0	0
0.981231	0.969257	0	0	0	0	0	0
0.979882	0.967558	0	0	0	0	0	0
0.978666	0.97403	0	0	0	0	0	0
0.980392	0.974025	0	0	0	0	0	0
0.981739	0.957698	0	0	0	0	0	0
0.976014	0.950714	0	0	0	0	0	0
0.977938	0.96385	0	0	0	0	0	0
0.949513	0.967534	0	0	0	0	0	0
0.978977	0.968139	0	0	0	0	0	0

0.893477	0.941848	0	0	0	0	0	0
0.964769	0.928157	0	0	0	0	0	0
0.943354	0.960532	0	0	0	0	0	0
0.948077	0.89056	0	0	0	0	0	0
0.950681	0.957486	0	0	0	0	0	0
0.007551	0.015611	0	0	0	0	0	0
0.994791	0.966515	0	0	0	0	0	0
0.031097	0.05134	0	0	0	0	0	0
0.006449	0.043387	0	0	0	0	0	0
0.994568	0.989161	0	0	0	0	0	0
0.998084	0.772159	0.14	0	0	0	0	0
0.984341	0.968986	0	0	0	0	0	0
0.988267	0.982175	0	0	0	0	0	0
0.700806	0.454109	0.07	0	0	0	0	0
0.910814	0.951575	0	0	0	0	0	0
0.997519	0.999118	0	0	0	0	0	0
0.981245	0.766479	0.05	0	0	0	0	0
0.041294	0.100324	0	0	0	0	0	0
0.868869	0.518024	0.07	0	0	0	0	0
0.928538	0.774394	0	0	0	0	0	0
0.968808	0.965089	0	0	0	0	0	0
0.035348	0.079025	0	0	0	0	0	0
0.986209	0.988852	0	0	0	0	0	0
0.04119	0.032114	0	0	0	0	0	0
0.967443	0.981169	0	0	0	0	0	0
0.976364	0.981653	0	0	0	0	0	0
0.983033	0.989376	0	0	0	0	0	0
0.944411	0.968238	0	0	0	0	0	0
0.053143	0.019625	0	0	0	0	0	0
0.980742	0.987598	0	0	0	0	0	0
0.073001	0.024784	0	0	0	0	0	0
0.987688	0.995073	0	0	0	0	0	0
0.978187	0.9821	0	0	0	0	0	0
0.954184	0.988904	0	0	0	0	0	0
0.025087	0.01445	0	0	0	0	0	0
0.920661	0.969006	0	0	0	0	0	0
0.990504	0.980752	0	0	0	0	0	0
0.99359	0.990209	0	0	0	0	0	0
0.015271	0.016172	0	0	0	0	5	5
0.011867	0.015168	0	0	0	0	0	0
0.010874	0.006812	0	0	0	0	0	0
0.980104	0.821606	0.02	0	0	0	0	0
0.992487	0.967742	0	0	0	0	0	0
0.936655	0.921394	0	0	0	0	0	0
0.981778	0.987855	0	0	0	0	0	0
0.994485	0.986297	0	0	0	0	0	0
0.99363	0.987545	0	0	0	0	0	0

0.993094	0.986843	0	0	0	5	0	0
0.994273	0.991703	0	0	1	0	0	0
0.986175	0.917731	0	0	0	0	0	0
0.98383	0.98666	0	0	0	0	0	0
0.987128	0.976109	0	0	0	0	0	0
0.968874	0.952686	0	0	0	0	0	0
0.977994	0.978138	0	0	0	0	0	0
0.962832	0.837182	0.04	0	0	0	0	0
0.977394	0.968803	0	0	0	0	0	0
0.974039	0.934012	0	0	0	0	0	0
0.963589	0.945255	0	0	0	0	0	0
0.88187	0.896667	0	0	0	0	0	0
0.967213	0.94481	0	0	0	0	0	0
0.991902	0.992551	0	0	0	0	0	0
0.993623	0.986746	0	0	0	0	0	0
0.993423	0.98576	0	0	0	0	0	0
0.992568	0.977616	0	0	0	0	0	0
0.989484	0.990366	0	0	0	0	0	0
0.991487	0.976026	0	0	0	0	0	0
0.98856	0.989382	0	0	0	0	0	0
0.98765	0.984986	0	0	0	0	0	0
0.990954	0.992599	0	0	0	0	0	0
0.990147	0.992485	0	0	0	0	0	0
0.986825	0.985453	0	0	0	0	0	0
0.089261	0.102777	0	0	0	0	0	0
0.029012	0.068694	0	0	0	0	0	0
0.020826	0.094825	0	0	0	0	0	0
0.207028	0.344305	0	0	0	0	0	0
0.964292	0.989543	0	0	0	0	0	0
0.084747	0.04338	0	0	0	0	0	0
0.036968	0.179304	0	0	0	0	0	0
0.03253	0.055623	0	0	0	0	0	0
0.992326	0.996871	0	0	0	0	0	0
0.146826	0.302718	0	0	0	0	0	0
0.218375	0.414628	0	0	0	0	0	0
0.980451	0.982505	0	0	0	0	0	0
0.024059	0.018984	0	0	0	0	0	0
0.959224	0.950922	0	0	0	0	0	0
0.98803	0.992147	0	0	0	0	0	0
0.04078	0.023098	0	0	0	0	0	0
0.973281	0.892089	0	0	0	0	0	0
0.989987	0.97869	0	0	0	0	0	0
0.983592	0.991203	0	0	0	0	0	0
0.910742	0.918906	0	0	0	0	0	0
0.223436	0.570545	0.03	0	0	0	0	0
0.092422	0.237717	0	0	0	0	0	0
0.992796	0.96422	0	0	0	0	0	0

0.007256	0.028798	0	0	0	0	0	0
0.997343	0.930492	0.03	0	0	0	0	0
0.996255	0.997321	0	0	0	0	0	0
0.994674	0.997118	0	0	0	0	0	0
0.938387	0.957018	0	0	0	0	0	0
0.984301	0.976701	0	0	0	0	0	0
0.126535	0.137868	0	0	0	0	0	0
0.911734	0.9706	0	0	0	0	0	0
0.959798	0.951501	0	0	0	0	0	0
0.936021	0.929764	0	0	0	0	0	0
0.059441	0.046899	0	0	0	0	0	0
0.952857	0.892021	0	0	0	0	0	0
0.986196	0.99153	0	0	0	0	0	0
0.007378	0.015579	0	0	0	0	0	0
0.050686	0.015937	0	0	0	0	0	0
0.00843	0.02341	0	0	0	0	0	0
0.984256	0.989313	0	0	0	0	0	0
0.994899	0.974571	0	0	0	0	0	0
0.993427	0.994188	0	0	0	0	0	0
0.994393	0.995143	0	0	0	0	0	0
0.994476	0.996438	0	0	0	0	0	0
0.011614	0.008169	0	0	0	0	0	0
0.597977	0.76367	0	0	0	0	0	0
0.993258	0.99604	0	0	0	0	0	0
0.129877	0.051338	0	0	0	0	0	0
0.02253	0.04193	0	0	0	0	0	0
0.989534	0.975623	0	0	0	0	0	0
0.951115	0.878981	0	0	0	0	0	0
0.423742	0.340057	0	0	0	0	0	0
0.988991	0.988844	0	0	0	0	0	0
0.09342	0.258705	0	0	0	0	0	0
0.984717	0.947084	0	0	0	0	0	0
0.985709	0.935199	0	0	0	0	0	0
0.979647	0.958084	0	0	0	0	0	0
0.991282	0.963873	0	0	0	0	0	0
0.959613	0.921467	0	0	0	0	0	0
0.024817	0.335706	0.16	0	0	0	0	0
0.981609	0.980997	0	0	0	0	0	0
0.724007	0.665086	0	0	0	0	0	0
0.998598	0.996082	0	0	0	0	0	0
0.999213	0.99968	0	0	0	0	0	0
0.999068	0.999626	0	0	0	0	0	0
0.998068	0.998836	0	0	0	0	0	0
0.998515	0.997278	0	0	0	0	0	0
0.985581	0.999218	0	0	0	0	0	0
0.139399	0.314417	0.13	0	0	0	0	0
0.991491	0.97409	0	0	0	0	0	0

0.020041	0.056005	0	0	0	0	0	0
0.216685	0.234594	0	0	0	0	0	0
0.984607	0.993909	0	0	0	0	0	0
0.990958	0.856532	0.03	0	0	0	0	0
0.82132	0.73054	0	0	0	0	0	0
0.9857	0.981542	0	0	0	0	0	0
0.520025	0.637755	0	0	0	0	0	0
0.970243	0.962722	0	0	0	0	0	0
0.029277	0.032604	0	0	0	0	0	0
0.308819	0.281035	0	0	0	0	0	0
0.930548	0.944875	0	0	0	0	1	1
0.289136	0.566874	0	0	0	0	0	0
0.046307	0.052457	0	0	0	0	0	0
0.985614	0.821349	0.03	0	0	0	0	0
0.897718	0.758662	0	0	0	0	0	0
0.241913	0.882879	0.31	0	0	0	0	0
0.632408	0.791791	0	0	0	0	0	0
0.060748	0.455195	0.05	0	0	0	0	0
0.039023	0.063925	0	0	0	0	0	0
0.955771	0.906635	0	0	0	0	0	0
0.986805	0.964173	0	0	0	0	0	0
0.033952	0.08343	0	0	0	0	0	0
0.985219	0.971457	0	0	0	0	0	0
0.029215	0.028427	0	0	0	0	0	0
0.985813	0.990842	0	0	0	0	0	0
0.984786	0.987637	0	0	0	0	0	0
0.937848	0.975194	0	0	0	0	0	0
0.779377	0.926104	0	0	0	0	0	0
0.060552	0.054624	0	0	0	0	0	0
0.777625	0.618206	0	0	0	0	0	0
0.965886	0.877665	0	0	0	0	0	0
0.982624	0.892244	0	0	0	0	0	0
0.996054	0.991938	0	0	0	0	0	0
0.99412	0.981725	0	0	0	0	0	0
0.995275	0.981106	0	0	0	0	0	0
0.98239	0.954357	0	0	0	0	0	0
0.04542	0.049286	0	0	0	0	0	0
0.993426	0.997649	0	0	0	0	0	0
0.991598	0.998589	0	0	0	0	0	0
0.987506	0.976155	0	0	0	0	0	0
0.996513	0.996659	0	0	0	0	0	0
0.992898	0.990713	0	0	0	0	0	0
0.991911	0.990666	0	0	0	0	0	0
0.955303	0.979037	0	0	0	0	0	0
0.980146	0.992613	0	0	0	0	0	0
0.288855	0.268503	0	0	0	0	0	0
0.97655	0.974035	0	0	0	0	0	0

0.704184	0.814584	0	0	0	0	0	0
0.985418	0.989261	0	0	0	0	0	0
0.974193	0.981834	0	0	0	0	0	0
0.997627	0.992493	0	0	0	0	0	0
0.999196	0.996846	0	0	0	0	0	0
0.998958	0.995121	0	0	0	0	0	0
0.992001	0.975522	0	0	0	0	0	0
0.046216	0.029474	0	0	0	0	0	0
0.959513	0.979668	0	0	0	0	0	0
0.971646	0.726805	0.07	0	0	0	0	0
0.844473	0.962433	0	0	0	0	0	0
0.961233	0.898632	0	0	0	0	0	0
0.969166	0.961671	0	0	0	0	0	0
0.940295	0.945794	0	0	0	0	0	0
0.865883	0.957501	0	0	0	0	0	0
0.937186	0.801388	0	0	0	0	0	0
0.972651	0.941383	0	0	0	0	0	0
0.973139	0.936409	0	0	0	0	0	0
0.978634	0.961041	0	0	0	0	0	0
0.859104	0.753184	0	0	0	0	0	0
0.971611	0.973175	0	0	0	0	0	0
0.049298	0.043424	0	0	0	0	0	0
0.0244	0.017615	0	0	0	0	0	0
0.028536	0.022969	0	0	0	0	0	0
0.988875	0.985496	0	0	0	0	0	0
0.976164	0.9793	0	0	0	0	0	0
0.948338	0.978101	0	0	0	0	0	0
0.986366	0.980565	0	0	0	0	0	0
0.98156	0.975724	0	0	0	0	0	0
0.981305	0.989463	0	0	0	0	0	0
0.993816	0.998927	0	0	0	0	0	0
0.93796	0.952026	0	0	0	0	3	3
0.026932	0.033446	0	0	0	0	0	0
0.932341	0.969385	0	0	3	0	0	0
0.972191	0.981888	0	0	3	0	0	0
0.980738	0.977893	0	0	3	0	0	0
0.948216	0.928202	0	0	0	0	0	0
0.062346	0.165417	0	0	0	0	0	0
0.050123	0.12926	0	0	0	0	0	0
0.995389	0.986498	0	0	0	0	0	0
0.994504	0.986124	0	0	0	0	0	0
0.992769	0.961918	0	0	0	0	0	0
0.992428	0.95374	0	0	0	0	0	0
0.988886	0.951198	0	0	0	0	0	0
0.992136	0.961331	0	0	0	0	0	0
0.993813	0.965397	0	0	0	0	0	0
0.993984	0.965519	0	0	0	0	0	0

0.995001	0.97615	0	0	0	0	0	0
0.948107	0.985016	0	0	0	0	0	0
0.985328	0.974774	0	0	0	0	0	0
0.988225	0.995621	0	0	0	0	0	0
0.988972	0.979811	0	0	0	0	0	0
0.959009	0.904615	0	0	0	0	0	0
0.811641	0.92693	0	0	0	0	0	0
0.968406	0.967914	0	0	0	0	0	0
0.967588	0.97872	0	0	0	0	0	0
0.99148	0.958243	0	0	0	0	0	0
0.985005	0.993285	0	0	0	0	0	0
0.975651	0.992732	0	0	0	0	0	0
0.961422	0.938648	0	0	0	0	0	0
0.960764	0.88475	0.02	0	0	0	0	0
0.057754	0.060226	0	0	0	0	0	0
0.977307	0.992182	0	0	0	2	0	0
0.990655	0.989926	0	0	0	0	9	9
0.988663	0.99006	0	0	0	0	0	0
0.98981	0.992423	0	0	0	0	0	0
0.99359	0.994362	0	0	0	0	0	0
0.993853	0.963383	0	0	1	0	5	0
0.958743	0.951487	0	0	0	0	0	0
0.944742	0.939876	0	0	0	0	0	0
0.994707	0.989581	0	0	0	0	0	0
0.986853	0.979299	0	0	0	0	0	0
0.944079	0.538725	0.1	0	3	3	0	0
0.950967	0.949503	0	0	0	0	0	0
0.941813	0.956306	0	0	0	0	0	0
0.740725	0.591103	0	0	0	0	0	0
0.958922	0.951307	0	0	0	0	0	0
0.963259	0.939327	0	0	0	0	0	0
0.0622	0.357441	0.13	0	0	0	0	0
0.994039	0.953819	0	0	0	0	0	0
0.989524	0.986676	0	0	0	0	0	0
0.984468	0.952492	0	0	0	0	0	0
0.991957	0.990592	0	0	0	0	0	0
0.587828	0.849409	0	0	0	0	0	0
0.881495	0.883046	0	0	0	0	0	0
0.008969	0.008262	0	0	0	0	0	0
0.995929	0.996221	0	0	0	0	0	0
0.994667	0.997108	0	0	0	0	0	0
0.996714	0.994563	0	0	0	0	0	0
0.011757	0.023221	0	0	0	0	0	0
0.98862	0.997595	0	0	0	0	0	0
0.991477	0.992921	0	0	0	0	0	0
0.981446	0.967906	0	0	0	0	0	0
0.957776	0.944172	0	0	0	0	0	0

0.919058	0.940216	0	0	0	0	0	0
0.999838	0.999779	0	0	0	0	0	0
0.998268	0.957153	0.02	0	0	0	3	3
0.996965	0.996288	0	0	0	0	0	0
0.992404	0.975472	0.02	0	0	0	0	0
0.987586	0.975613	0	0	4	4	0	0
0.996657	0.997119	0	0	0	0	0	0
0.995891	0.999181	0	0	0	0	0	0
0.948481	0.84617	0	0	0	0	0	0
0.99892	0.998171	0	0	0	0	0	0
0.017814	0.108446	0.04	0	0	0	0	0
0.994534	0.969682	0	0	0	0	0	0
0.98752	0.940508	0	0	0	0	0	0
0.995652	0.994866	0	0	0	0	0	0
0.97945	0.973614	0	0	0	0	0	0
0.992301	0.970599	0	0	0	0	0	0
0.993637	0.971566	0	0	0	0	0	0
0.989442	0.950309	0	0	0	0	0	0
0.987216	0.979474	0	0	0	0	0	0
0.988135	0.910873	0	0	0	0	0	0
0.044455	0.039981	0	0	0	0	0	0
0.987126	0.976745	0	0	0	0	0	0
0.98661	0.976883	0	0	0	0	0	0
0.989958	0.981411	0	0	0	0	0	0
0.989728	0.908669	0	0	0	0	0	0
0.988769	0.935111	0	0	0	0	0	0
0.986595	0.955193	0	0	0	0	0	0
0.985709	0.972036	0	0	0	0	0	0
0.99799	0.994248	0	0	0	0	0	0
0.112312	0.023749	0	0	0	0	0	0
0.99645	0.995925	0	0	0	0	0	0
0.998234	0.991212	0	0	0	0	0	0
0.998108	0.995749	0	0	0	0	0	0
0.996759	0.987752	0	0	0	0	0	0
0.997098	0.974128	0	0	0	0	0	0
0.968204	0.945188	0	0	0	0	0	0
0.970433	0.946837	0	0	0	0	0	0
0.976236	0.939805	0	0	0	0	0	0
0.978322	0.960975	0	0	0	0	0	0
0.041075	0.039281	0	0	0	0	0	0
0.931323	0.868707	0	0	0	0	0	0
0.094815	0.07059	0	0	0	0	0	0
0.769685	0.698849	0	0	0	0	0	0
0.907448	0.963263	0	0	0	0	0	0
0.977539	0.794998	0.03	0	0	0	0	0
0.979572	0.982951	0	0	0	0	0	0
0.03313	0.303709	0.09	0	0	0	0	0

0.044505	0.032633	0	0	0	0	0	0
0.978833	0.971176	0	0	0	0	0	0
0.980313	0.945102	0	0	0	0	0	0
0.988664	0.949694	0	0	0	0	0	0
0.992239	0.985717	0	0	0	0	0	0
0.034413	0.026124	0	0	0	0	0	0
0.98878	0.990043	0	0	0	0	0	0
0.996491	0.991507	0	0	0	0	0	0
0.9994	0.998368	0	0	0	0	0	0
0.999472	0.998849	0	0	0	0	0	0
0.99589	0.988988	0	0	0	0	0	0
0.065525	0.04855	0	0	0	0	0	0
0.965167	0.95775	0	0	0	0	0	0
0.898936	0.944804	0	0	0	0	0	0
0.947367	0.95728	0	0	0	0	0	0
0.968921	0.929222	0	0	0	0	0	0
0.955637	0.949441	0	0	0	0	0	0
0.96917	0.95216	0	0	0	0	0	0
0.811283	0.386823	0.11	0	0	0	0	0
0.973776	0.974334	0	0	0	0	0	0
0.980292	0.983477	0	0	0	0	0	0
0.029059	0.020871	0	0	0	0	0	0
0.047064	0.034513	0	0	0	0	0	0
0.581377	0.555858	0	0	0	0	0	0
0.984037	0.976785	0	0	0	0	0	0
0.985394	0.984109	0	0	0	0	0	0
0.99699	0.998032	0	0	0	0	0	0
0.970232	0.986242	0	0	0	0	0	0
0.987376	0.998439	0	0	0	0	0	0
0.989057	0.979003	0	0	0	0	0	0
0.9919	0.47229	0.44	0	0	1	0	0
0.997115	0.995696	0	0	0	0	0	0
0.919919	0.830553	0.03	0	0	0	0	0
0.996793	0.92918	0.04	0	0	0	0	0
0.992133	0.988585	0	0	0	0	0	0
0.998127	0.995553	0	0	0	0	0	0
0.951691	0.991891	0	0	0	0	0	0
0.017392	0.029208	0	0	0	0	0	0
0.994556	0.989849	0	0	0	0	0	0
0.063573	0.046924	0	0	0	0	0	0
0.0092	0.017102	0	0	0	0	0	0
0.0119	0.032324	0	0	0	0	0	0
0.031732	0.051982	0	0	0	0	0	0
0.224098	0.422603	0	0	0	0	0	0
0.16933	0.419483	0.03	0	0	0	0	0
0.301654	0.507744	0	0	0	0	0	0
0.043321	0.020842	0	0	0	0	0	0

0.857993	0.644787	0	0	0	0	0	0
0.115204	0.125137	0	0	0	0	0	0
0.011604	0.021652	0	0	0	0	0	0
0.950967	0.94207	0	0	0	0	0	0
0.998461	0.997373	0	0	0	0	0	0
0.994832	0.984406	0	0	0	0	0	0
0.99576	0.990909	0	0	0	0	0	0
0.854286	0.777312	0	0	0	0	0	0
0.094085	0.129203	0	0	0	0	0	0
0.969369	0.962842	0	0	0	0	0	0
0.96624	0.906492	0	0	0	0	0	0
0.476749	0.61722	0.01	0	0	0	0	0
0.996792	0.997611	0	0	0	0	0	0
0.998403	0.996334	0	0	0	0	0	0
0.99416	0.994957	0	0	0	0	0	0
0.995732	0.997769	0	0	0	1	0	0
0.996786	0.9943	0	0	0	0	0	0
0.99534	0.998194	0	0	0	0	0	0
0.057457	0.286663	0.12	0	0	0	0	0
0.983888	0.975053	0	0	0	0	0	0
0.333031	0.359662	0	0	0	0	0	0
0.995085	0.874445	0.04	0	0	0	0	0
0.978777	0.937787	0	0	0	0	0	0
0.993628	0.933622	0.03	0	0	0	0	0
0.996054	0.997663	0	0	0	0	0	0
0.994628	0.998516	0	0	0	0	0	0
0.995707	0.984405	0	0	0	0	0	0
0.994421	0.995662	0	0	0	0	0	0
0.989802	0.976726	0	0	0	0	0	0
0.989616	0.993296	0	0	0	0	0	0
0.02263	0.037324	0	0	0	0	0	0
0.017671	0.030753	0	0	0	0	0	0
0.971057	0.985154	0	0	0	0	0	0
0.989395	0.989355	0	0	0	0	0	0
0.968479	0.94244	0	0	0	0	0	0
0.986743	0.97719	0	0	0	0	0	0
0.82372	0.769456	0	0	0	0	0	0
0.985952	0.992789	0	0	0	0	0	0
0.806929	0.957475	0	0	0	0	0	0
0.981113	0.953125	0	0	0	0	0	0
0.121378	0.05238	0	0	0	0	0	0
0.971053	0.978136	0	0	0	0	0	0
0.033488	0.059539	0	0	0	0	0	0
0.982825	0.95785	0	0	0	0	0	0
0.990755	0.99714	0	0	0	0	0	0
0.985586	0.989835	0	0	0	0	0	0
0.983375	0.990716	0	0	0	0	0	0

0.119799	0.036924	0	0	0	0	0	0
0.988319	0.989052	0	0	0	0	0	0
0.077297	0.062049	0	0	0	0	0	0
0.971654	0.958726	0	0	0	0	0	0
0.983365	0.967999	0	0	0	0	0	0
0.986305	0.989024	0	0	0	0	0	0
0.995633	0.994334	0	0	0	0	0	0
0.285622	0.463769	0	0	0	0	0	0
0.99533	0.974618	0	0	0	0	0	0
0.9953	0.976252	0	0	0	0	0	0
0.994136	0.932266	0	0	0	0	0	0
0.991046	0.943069	0	0	0	0	0	0
0.98358	0.981479	0	0	0	0	0	0
0.070412	0.194456	0	0	0	0	0	0
0.960742	0.939435	0	0	0	0	0	0
0.992683	0.987034	0	0	0	0	0	0
0.034572	0.042937	0	0	0	0	0	0
0.975858	0.977061	0	0	0	0	0	0
0.996903	0.994324	0	0	0	0	0	0
0.99137	0.988522	0	0	0	0	0	0
0.989598	0.978555	0	0	0	0	0	0
0.992813	0.985935	0	0	0	0	0	0
0.992861	0.987977	0	0	0	0	0	0
0.987116	0.977745	0	0	0	0	0	0
0.968234	0.968885	0	0	0	0	0	0
0.970725	0.787153	0.01	0	0	0	4	0
0.956948	0.954246	0	0	0	0	0	0
0.962086	0.95876	0	0	0	0	0	0
0.957589	0.951536	0	0	0	0	0	0
0.960462	0.947508	0	0	0	0	0	0
0.969969	0.939118	0	0	0	0	0	0
0.962259	0.913337	0	0	0	0	0	0
0.970115	0.925903	0	0	0	0	0	0
0.964377	0.940589	0	0	0	0	0	0
0.960508	0.806527	0	0	0	2	18	0
0.960278	0.902183	0	0	0	0	0	0
0.042656	0.474459	0.15	0	0	0	0	0
0.78444	0.962315	0	0	0	0	0	0
0.976352	0.711521	0.06	0	0	0	0	0
0.997417	0.993786	0	0	0	0	0	0
0.998456	0.997783	0	0	0	0	0	0
0.257747	0.633253	0.11	0	0	0	0	0
0.977602	0.933718	0	0	0	0	0	0
0.966603	0.836409	0	0	0	0	0	0
0.933043	0.721879	0.01	0	0	0	0	0
0.907291	0.605208	0.17	0	0	0	0	0
0.972739	0.997441	0	0	0	0	0	0

0.961685	0.99011	0	0	0	0	0	0
0.956232	0.921979	0	0	0	0	0	0
0.054154	0.035553	0	0	0	0	0	0
0.948859	0.97241	0	0	0	0	0	0
0.972845	0.961015	0	0	0	0	0	0
0.955028	0.946396	0	0	0	0	0	0
0.947434	0.961291	0	0	0	0	0	0
0.963594	0.972505	0	0	0	0	0	0
0.969971	0.976925	0	0	0	0	0	0
0.966702	0.980367	0	0	0	0	0	0
0.977644	0.988898	0	0	0	0	0	0
0.992609	0.987908	0	0	0	0	0	0
0.994725	0.989604	0	0	0	0	0	0
0.008269	0.019782	0	0	0	0	0	0
0.974119	0.955744	0	0	0	0	0	0
0.021103	0.011771	0	0	0	0	0	0
0.987117	0.970975	0	0	0	0	0	0
0.065204	0.275176	0	0	0	0	0	0
0.959616	0.949272	0	0	0	0	0	0
0.990852	0.996014	0	0	0	0	0	0
0.990992	0.996287	0	0	0	0	0	0
0.048537	0.049554	0	0	0	0	0	0
0.974773	0.989623	0	0	0	0	0	0
0.991796	0.995299	0	0	0	0	0	0
0.918391	0.991381	0	0	0	0	0	0
0.946726	0.968583	0	0	0	0	0	0
0.98905	0.989439	0	0	0	0	0	0
0.047184	0.034259	0	0	0	0	0	0
0.966818	0.985454	0	0	0	0	0	0
0.955751	0.966664	0	0	0	0	0	0
0.989471	0.985234	0	0	0	0	0	0
0.985226	0.992043	0	0	0	0	0	0
0.96589	0.949433	0	0	0	0	0	0
0.964777	0.977646	0	0	0	0	0	0
0.990473	0.959401	0	0	0	0	0	0
0.977343	0.987476	0	0	0	0	0	0
0.989413	0.995225	0	0	0	0	0	0
0.96098	0.979072	0	0	0	0	0	0
0.041135	0.050752	0	0	0	0	0	0
0.98979	0.991039	0	0	0	0	0	0
0.991935	0.989951	0	0	0	0	0	0
0.021344	0.011877	0	0	0	0	0	0
0.989536	0.979456	0	0	0	0	0	0
0.991749	0.996046	0	0	0	0	0	0
0.992807	0.996242	0	0	0	0	0	0
0.994623	0.995723	0	0	0	0	0	0
0.9917	0.990501	0	0	0	0	0	0

0.573853	0.054245	0.38	0	0	0	0	0
0.9871	0.996894	0	0	0	0	0	0
0.989619	0.996379	0	0	0	0	0	0
0.986925	0.989005	0	0	0	0	0	0
0.004832	0.01124	0	0	0	0	0	0
0.994801	0.993264	0	0	0	0	0	0
0.994302	0.992061	0	0	0	0	0	0
0.025041	0.015642	0	0	0	0	0	0
0.97408	0.982827	0	0	0	0	0	0
0.987044	0.962327	0	0	0	0	0	0
0.996719	0.977806	0	0	0	0	3	2
0.627672	0.706179	0	0	0	0	0	0
0.971768	0.866	0	0	7	7	0	0
0.007558	0.040269	0	0	3	0	0	0
0.994285	0.942064	0	0	3	0	1	0
0.456888	0.719902	0	0	0	0	0	0
0.961743	0.945373	0	0	0	0	0	0
0.897773	0.983902	0	0	0	0	0	0
0.699626	0.863671	0	0	7	7	0	0
0.804423	0.94425	0	0	0	0	0	0
0.6039	0.940197	0.13	0	0	0	0	0
0.968527	0.911941	0	0	0	0	0	0
0.732485	0.575775	0	0	0	0	0	0
0.894921	0.845743	0	0	0	0	0	0
0.965658	0.94219	0	0	0	0	0	0
0.393335	0.236711	0	0	0	0	0	0
0.964502	0.953705	0	0	0	0	0	0
0.969487	0.94668	0	0	0	0	0	0
0.017016	0.007176	0	0	0	0	0	0
0.991304	0.995171	0	0	0	0	0	0
0.078532	0.118666	0	0	0	0	0	0
0.988169	0.98438	0	0	0	0	0	0
0.584017	0.306599	0.16	0	0	0	0	0
0.978319	0.976942	0	0	0	0	0	0
0.990639	0.986054	0	0	0	0	0	0
0.992684	0.975637	0	0	0	0	0	0
0.509372	0.73868	0	0	0	0	0	0
0.122695	0.233545	0	0	0	0	0	0
0.048752	0.070099	0	0	0	0	0	0
0.98861	0.982101	0	0	0	0	0	0
0.019689	0.054007	0	0	0	0	0	0
0.987539	0.982248	0	0	0	0	0	0
0.04855	0.086445	0	0	0	0	0	0
0.028381	0.023347	0	4	0	0	0	0
0.101884	0.29908	0.04	0	0	0	0	0
0.032091	0.157155	0.05	0	0	0	0	0
0.420844	0.543991	0	0	0	0	0	0

0.960171	0.946202	0	0	0	0	0	0
0.95158	0.942893	0	0	0	0	0	0
0.951951	0.945996	0	0	0	0	0	0
0.949082	0.948041	0	0	0	0	0	0
0.952873	0.945203	0	0	0	0	0	0
0.938555	0.944294	0	0	0	0	0	0
0.947161	0.939652	0	0	0	0	0	0
0.943929	0.973545	0	0	0	0	0	0
0.940186	0.962531	0	0	0	0	0	0
0.93591	0.960113	0	0	0	0	0	0
0.998252	0.990512	0	0	0	0	0	0
0.987667	0.990464	0	0	0	0	0	0
0.931758	0.819439	0	0	0	0	0	0
0.992001	0.985666	0	0	0	0	0	0
0.999378	0.999504	0	0	0	0	0	0
0.969883	0.985142	0	0	0	0	0	0
0.972026	0.983742	0	0	0	0	0	0
0.960368	0.914379	0	0	0	0	0	0
0.972431	0.966894	0	0	0	0	0	0
0.841019	0.937219	0.05	0	0	0	0	0
0.998442	0.989881	0	0	0	0	0	0
0.997583	0.995387	0	0	0	0	0	0
0.998445	0.995844	0	0	0	0	0	0
0.998943	0.99308	0	0	0	0	0	0
0.998349	0.997091	0	0	0	0	0	0
0.994981	0.997851	0	6	0	0	0	0
0.993256	0.99762	0	0	0	0	0	0
0.0469	0.419039	0.28	0	0	0	0	0
0.023501	0.052322	0	0	0	0	0	0
0.632105	0.843772	0.09	0	0	0	0	0
0.940523	0.99199	0	0	0	0	0	0
0.958226	0.990014	0	0	0	0	0	0
0.995337	0.997177	0	0	0	0	0	0
0.982565	0.964527	0	0	0	0	0	0
0.986186	0.931641	0	0	0	0	0	0
0.98393	0.987293	0	0	0	0	0	0
0.976901	0.991928	0	0	0	0	0	0
0.989572	0.997874	0	0	0	0	0	0
0.957891	0.863096	0	0	0	0	0	0
0.029387	0.015754	0	0	0	0	0	0
0.917325	0.985967	0	0	0	0	0	0
0.97177	0.941619	0	0	0	0	0	0
0.056817	0.11178	0	0	0	0	0	0
0.977745	0.943092	0	0	0	0	0	0
0.984155	0.95476	0	0	0	0	0	0
0.979349	0.964975	0	0	0	0	0	0
0.923179	0.531043	0.25	0	0	0	0	0

0.285449	0.277281	0	0	0	0	0	0
0.075661	0.611363	0.4	0	0	0	0	0
0.420579	0.167521	0.13	0	0	0	0	0
0.144585	0.123694	0	0	0	0	0	0
0.297002	0.047104	0.16	0	0	0	0	0
0.991257	0.951495	0	0	0	0	0	0
0.015694	0.035766	0	0	0	0	0	0
0.022592	0.010137	0	0	0	0	0	0
0.997559	0.977502	0	0	0	0	0	0
0.986861	0.977127	0	0	0	0	0	0
0.990015	0.956588	0	0	0	0	0	0
0.945291	0.958465	0	0	0	0	0	0
0.991803	0.953302	0	0	0	0	0	0
0.245944	0.123446	0	0	13	13	0	0
0.990627	0.987446	0	0	0	0	0	0
0.992242	0.992825	0	0	0	0	0	0
0.993665	0.993342	0	0	0	0	0	0
0.992198	0.995442	0	0	0	0	0	0
0.994758	0.997504	0	0	0	0	0	0
0.99036	0.99403	0	0	0	0	0	0
0.991268	0.990963	0	0	0	0	0	0
0.988644	0.977005	0	0	0	0	0	0
0.988543	0.900693	0.03	0	0	0	0	0
0.991424	0.96543	0	0	0	0	0	0
0.967168	0.99315	0	0	0	0	0	0
0.727025	0.894507	0.05	0	0	0	0	0
0.948682	0.963229	0	0	0	0	0	0
0.980315	0.979447	0	0	0	0	0	0
0.78631	0.760475	0	0	0	0	0	0
0.994994	0.992963	0	0	0	0	0	0
0.995074	0.997095	0	0	0	0	0	0
0.12488	0.026516	0.01	5	0	0	4	4
0.969361	0.979715	0	0	0	3	0	0
0.979375	0.332616	0.52	0	0	0	0	0
0.978103	0.973679	0	0	0	0	0	0
0.970398	0.965252	0	0	0	0	0	0
0.96905	0.906953	0	0	0	0	0	0
0.958068	0.968456	0	0	0	0	0	0
0.936115	0.927365	0	0	0	0	0	0
0.932738	0.848232	0	0	0	0	0	0
0.948795	0.93827	0	0	0	0	0	0
0.085187	0.07316	0	0	0	0	0	0
0.965796	0.959462	0	0	0	0	0	0
0.971957	0.854415	0	0	0	0	0	0
0.9883	0.903014	0	0	0	0	0	0
0.966443	0.967434	0	0	0	0	0	0
0.978604	0.982662	0	0	0	0	0	0

0.967749	0.969581	0	0	0	0	0	0
0.960379	0.946686	0	0	0	0	0	0
0.979317	0.949202	0	0	0	0	0	0
0.966958	0.889785	0	0	0	0	0	0
0.946263	0.795639	0	0	0	0	0	0
0.974349	0.9291	0	0	0	0	0	0
0.986875	0.979522	0	0	0	0	0	0
0.049882	0.21241	0	0	0	0	0	0
0.96246	0.945863	0	0	0	0	0	0
0.971365	0.958087	0	0	0	0	0	0
0.829578	0.85275	0	0	0	0	0	0
0.964497	0.903517	0	0	0	0	0	0
0.97886	0.971526	0	0	0	0	0	0
0.980091	0.981447	0	0	0	0	0	0
0.045719	0.05356	0	0	0	0	0	0
0.975232	0.973472	0	0	0	0	0	0
0.023084	0.033596	0	0	0	0	0	0
0.990084	0.990182	0	0	0	0	0	0
0.995202	0.993886	0	0	0	0	0	0
0.011033	0.023796	0	0	0	0	0	0
0.968799	0.985625	0	0	0	0	0	0
0.023724	0.017161	0	0	0	0	0	0
0.994689	0.994726	0	0	0	0	0	0
0.935019	0.897322	0	0	0	0	0	0
0.992645	0.978783	0	0	0	0	0	0
0.061663	0.082062	0	0	0	0	0	0
0.995698	0.992679	0	0	0	0	0	0
0.010474	0.014461	0	0	0	0	0	0
0.981798	0.969231	0	0	0	0	0	0
0.988778	0.995355	0	0	0	0	0	0
0.015546	0.053833	0	0	0	0	0	0
0.996579	0.992875	0	0	0	0	0	0
0.891508	0.852792	0	0	0	0	0	0
0.98514	0.947344	0	0	0	0	0	0
0.537315	0.702349	0	0	0	0	0	0
0.358714	0.523222	0	0	0	0	0	0
0.821954	0.699701	0	0	0	0	0	0
0.932505	0.888074	0	0	0	0	0	0
0.96152	0.953529	0	0	0	0	0	0
0.996182	0.982201	0	0	0	0	0	0
0.996668	0.995403	0	0	0	0	0	0
0.996784	0.992162	0	0	0	0	0	0
0.006373	0.009441	0	0	0	0	0	0
0.995536	0.995713	0	0	0	0	0	0
0.996122	0.99647	0	0	0	0	0	0
0.996534	0.993756	0	0	0	0	0	0
0.996975	0.997445	0	0	0	0	0	0

0.997806	0.998497	0	0	0	0	0	0
0.994158	0.998444	0	0	0	0	0	0
0.997848	0.999235	0	0	0	0	0	0
0.995324	0.993686	0	0	0	0	0	0
0.428868	0.166417	0.17	0	0	0	0	0
0.987099	0.96645	0	0	2	0	0	0
0.995529	0.952059	0	0	0	0	0	0
0.994436	0.981139	0	0	0	0	0	0
0.996251	0.976697	0	0	0	0	0	0
0.006938	0.035637	0	0	0	0	0	0
0.994923	0.973009	0	0	0	0	0	0
0.996587	0.944135	0	0	0	0	0	0
0.997616	0.99738	0	0	0	0	0	0
0.013763	0.027984	0	0	0	0	0	0
0.995176	0.969116	0	0	0	0	0	0
0.989819	0.974788	0	0	0	0	0	0
0.01568	0.056483	0	0	0	0	0	0
0.013144	0.051637	0	0	2	0	0	0
0.655356	0.864785	0.1	0	0	0	0	0
0.982261	0.9855	0	0	0	0	0	0
0.045699	0.07323	0	0	0	0	0	0
0.962783	0.94565	0	0	0	0	0	0
0.989237	0.922682	0	0	0	0	0	0
0.97993	0.980825	0	0	0	0	0	0
0.703144	0.592406	0	0	0	0	0	0
0.977292	0.805198	0.03	0	0	0	0	0
0.992927	0.985349	0	0	0	0	0	0
0.998557	0.997842	0	0	0	0	0	0
0.996623	0.980371	0	0	0	0	0	0
0.136785	0.137566	0	0	0	0	0	0
0.043334	0.044692	0	0	0	0	0	0
0.979615	0.852192	0	0	0	0	0	0
0.979473	0.935122	0	0	0	0	0	0
0.974598	0.948106	0	0	0	0	0	0
0.968487	0.92704	0	0	0	0	0	0
0.971142	0.948625	0	0	0	0	0	0
0.943605	0.948378	0	0	0	0	0	0
0.968826	0.982224	0	0	0	0	0	0
0.964583	0.975783	0	0	0	0	0	0
0.964784	0.97418	0	0	0	0	0	0
0.99451	0.995377	0	0	0	0	0	0
0.995115	0.995604	0	0	0	0	0	0
0.878519	0.937146	0	0	0	0	0	0
0.963121	0.892695	0	0	0	0	0	0
0.977027	0.991558	0	0	0	0	0	0
0.997095	0.897676	0.04	0	0	0	0	0
0.983984	0.886109	0.05	0	0	0	0	0

0.996089	0.997036	0	0	0	0	0	0
0.00687	0.005658	0	0	0	0	0	0
0.005652	0.004681	0	0	0	0	0	0
0.988834	0.898285	0.04	0	0	0	0	0
0.992939	0.998449	0	0	0	0	0	0
0.986837	0.994288	0	0	0	0	0	0
0.008297	0.002388	0	0	0	0	0	0
0.997917	0.999241	0	0	0	0	0	0
0.997866	0.998864	0	0	0	0	0	0
0.989966	0.994696	0	0	0	0	0	0
0.056314	0.034489	0	0	0	0	0	0
0.023161	0.012009	0	0	0	0	0	0
0.997787	0.99898	0	0	0	0	0	0
0.952052	0.969396	0	0	0	0	0	0
0.950505	0.968306	0	0	0	0	0	0
0.949665	0.970612	0	0	0	0	0	0
0.938521	0.970997	0	0	0	0	0	0
0.942662	0.96237	0	0	0	0	0	0
0.976216	0.971203	0	0	0	0	0	0
0.985613	0.969916	0	0	0	0	0	0
0.974134	0.986152	0	0	0	0	0	0
0.909319	0.923332	0	0	0	0	0	0
0.987299	0.987427	0	0	0	0	0	0
0.02422	0.016202	0	0	0	0	0	0
0.053548	0.072826	0	0	0	0	0	0
0.9714	0.888846	0	0	0	0	0	0
0.968524	0.929605	0	0	0	0	0	0
0.946651	0.799506	0	0	0	0	0	0
0.95713	0.920221	0	0	0	0	0	0
0.06042	0.067674	0	0	0	0	0	0
0.960357	0.971542	0	0	0	0	0	0
0.978907	0.874161	0	0	0	0	0	0
0.028554	0.241985	0.02	0	0	0	0	0
0.043369	0.2547	0.01	0	0	0	0	0
0.031875	0.053137	0	0	0	0	0	0
0.037313	0.061849	0	0	0	0	0	0
0.995124	0.972047	0	0	0	0	0	0
0.996069	0.986152	0	0	0	0	0	0
0.995713	0.985994	0	0	0	0	0	0
0.992977	0.992101	0	0	0	0	0	0
0.996023	0.991392	0	0	0	0	0	0
0.011518	0.10625	0	0	0	0	0	0
0.996168	0.982292	0	0	0	0	0	0
0.995322	0.964362	0	0	0	0	0	0
0.996543	0.977147	0	0	0	0	0	0
0.996074	0.980108	0	0	0	0	0	0
0.988674	0.95689	0	0	0	0	0	0

0.016015	0.036077	0	0	0	0	0	0
0.013312	0.029749	0	0	0	0	0	0
0.972429	0.897348	0	0	0	0	0	0
0.988396	0.95682	0	0	0	0	0	0
0.99058	0.98253	0	0	0	0	0	0
0.91958	0.970069	0	0	0	0	0	0
0.970089	0.978904	0	0	0	0	0	0
0.969929	0.971191	0	0	0	0	0	0
0.965106	0.941829	0	0	0	0	0	0
0.957187	0.961857	0	0	0	0	0	0
0.968052	0.9187	0	0	0	0	0	0
0.981742	0.951409	0	0	0	0	0	0
0.987084	0.950138	0	0	0	0	0	0
0.986944	0.968735	0	0	0	0	0	0
0.985684	0.949048	0	0	0	0	0	0
0.028447	0.050152	0	0	0	0	0	0
0.986665	0.979142	0	0	0	0	0	0
0.99028	0.98531	0	0	0	0	0	0
0.988121	0.983025	0	0	0	0	0	0
0.988476	0.949902	0	0	0	0	0	0
0.987348	0.974109	0	0	0	0	0	0
0.987509	0.969415	0	0	0	0	0	0
0.028804	0.053125	0	0	0	0	0	0
0.987958	0.988148	0	0	0	0	0	0
0.996929	0.948587	0.01	0	0	0	0	0
0.998508	0.973862	0	0	0	0	0	0
0.995577	0.993342	0	0	0	0	0	0
0.945007	0.942344	0	0	0	0	0	0
0.849298	0.957066	0	0	0	0	0	0
0.979447	0.956938	0	0	0	0	0	0
0.988144	0.977295	0	0	0	0	0	0
0.984223	0.975087	0	0	0	0	0	0
0.856731	0.92292	0	0	0	0	0	0
0.980373	0.965497	0	0	0	0	0	0
0.052534	0.088364	0	0	0	0	0	0
0.972723	0.963051	0	0	0	0	0	0
0.929707	0.96366	0	0	0	0	0	0
0.956956	0.977824	0	0	0	0	0	0
0.966771	0.988908	0	0	0	0	0	0
0.956922	0.981563	0	0	0	0	0	0
0.958948	0.973327	0	0	0	0	0	0
0.998797	0.995165	0	0	0	0	0	0
0.998099	0.997296	0	0	0	0	0	0
0.016742	0.00772	0	0	0	0	0	0
0.992315	0.995932	0	0	0	0	0	0
0.983441	0.956065	0	0	0	0	0	0
0.949584	0.177853	0.42	0	0	0	0	0

0.003603	0.002821	0	0	0	0	0	0
0.011298	0.006995	0	0	0	0	0	0
0.054477	0.128423	0	0	0	0	0	0
0.96342	0.96421	0	0	0	0	0	0
0.956302	0.918584	0	0	0	0	0	0
0.979101	0.946609	0	0	0	0	0	0
0.980836	0.965673	0	0	0	0	0	0
0.984948	0.984326	0	0	0	0	0	0
0.994292	0.990748	0	0	0	0	0	0
0.99621	0.989966	0	0	0	0	0	0
0.995053	0.996823	0	0	0	0	0	0
0.973017	0.98854	0	0	0	0	0	0
0.988789	0.995008	0	0	0	0	0	0
0.961562	0.993646	0	0	0	0	0	0
0.98827	0.118601	0.77	0	0	0	0	0
0.960665	0.988681	0	0	0	0	0	0
0.968564	0.835975	0.02	0	0	0	0	0
0.024933	0.012194	0	0	0	0	0	0
0.87246	0.823092	0	0	0	0	0	0
0.989803	0.985488	0	0	0	0	0	0
0.991977	0.950343	0	0	0	0	0	0
0.019846	0.005972	0	0	0	0	0	0
0.991152	0.995074	0	0	0	0	0	0
0.025895	0.031454	0	0	0	0	0	0
0.981119	0.987477	0	0	0	0	0	0
0.024615	0.049179	0	0	0	0	0	0
0.986284	0.979432	0	0	0	0	0	0
0.983166	0.987523	0	0	0	0	0	0
0.983991	0.988532	0	0	0	0	0	0
0.988563	0.982898	0	0	0	0	0	0
0.012504	0.046009	0	0	0	0	0	0
0.043958	0.100567	0	0	0	0	0	0
0.99812	0.995049	0	0	0	0	0	0
0.010374	0.076339	0	0	0	0	0	0
0.951762	0.630877	0.18	0	0	0	0	0
0.986821	0.98871	0	0	0	0	0	0
0.971886	0.939808	0	0	0	0	0	0
0.99347	0.986294	0	0	0	0	0	0
0.993661	0.987059	0	0	0	0	0	0
0.075472	0.064242	0	0	0	0	0	0
0.064673	0.061773	0	0	0	0	0	0
0.989213	0.821384	0.05	0	0	0	0	0
0.995937	0.992122	0	0	0	0	0	0
0.991781	0.956013	0	0	0	0	0	0
0.997906	0.988411	0	0	0	0	0	0
0.99862	0.981915	0	0	0	0	0	0
0.976236	0.797199	0.15	0	0	0	0	0

0.107633	0.119633	0	0	0	0	0	0
0.996001	0.986914	0	0	0	0	0	0
0.997593	0.994304	0	0	0	0	0	0
0.982841	0.983757	0	0	0	0	0	0
0.993801	0.982537	0	0	0	0	0	0
0.993283	0.980777	0	0	0	0	0	0
0.991359	0.9552	0	0	0	0	0	0
0.032768	0.069259	0	0	0	0	0	0
0.96555	0.976006	0	0	0	0	0	0
0.97194	0.385345	0.39	0	0	0	0	0
0.070046	0.036245	0	0	0	0	0	0
0.990963	0.977605	0	0	0	0	0	0
0.99825	0.995692	0	0	0	0	0	0
0.997099	0.996439	0	0	0	0	0	0
0.997957	0.977621	0	0	0	0	0	0
0.990342	0.944205	0.02	0	0	0	0	0
0.998667	0.989693	0	0	0	0	0	0
0.98831	0.947288	0.02	0	0	0	0	0
0.979989	0.954827	0	0	0	0	0	0
0.034423	0.030764	0	0	0	0	0	0
0.005024	0.005671	0	0	0	0	0	0
0.982835	0.991929	0	0	0	0	0	0
0.980474	0.975297	0	0	0	0	0	0
0.965086	0.975501	0	0	0	0	0	0
0.993628	0.994713	0	0	0	0	0	0
0.991405	0.992074	0	0	0	0	0	0
0.312151	0.31639	0.01	0	0	0	0	0
0.999099	0.999188	0	0	0	0	0	0
0.900478	0.923891	0	0	0	0	0	0
0.948503	0.965503	0	0	0	0	0	0
0.008863	0.003964	0	0	0	0	0	0
0.997667	0.99773	0	0	0	0	0	0
0.887321	0.957399	0.03	0	0	0	0	0
0.969067	0.873887	0.02	0	0	0	0	0
0.996479	0.993069	0	0	0	0	0	0
0.993525	0.952343	0.01	0	0	0	0	0
0.997342	0.921159	0.04	0	0	0	0	0
0.998601	0.934037	0.03	0	0	0	0	0
0.98467	0.967032	0	0	0	0	0	0
0.988507	0.984276	0	0	0	0	0	0
0.989363	0.965108	0	0	0	0	0	0
0.987766	0.966633	0	0	0	0	0	0
0.898742	0.67494	0	0	0	0	0	0
0.991184	0.982746	0	0	0	0	0	0
0.989414	0.960525	0	0	0	0	0	0
0.770146	0.33755	0.09	0	0	0	0	0
0.916085	0.89157	0	0	0	0	0	0

0.95096	0.951654	0	0	0	0	0	0
0.038763	0.048365	0	0	0	0	0	0
0.966899	0.979702	0	0	0	0	0	0
0.994513	0.981907	0	0	0	0	0	0
0.007878	0.012452	0	0	0	0	0	0
0.964512	0.756893	0.08	0	0	0	0	0
0.023276	0.029917	0	0	0	0	0	0
0.043935	0.200697	0.02	0	0	0	0	0
0.061537	0.076067	0	0	0	0	0	0
0.990354	0.880899	0.04	0	0	0	0	0
0.952481	0.981106	0	0	0	0	0	0
0.930118	0.968538	0	0	0	0	0	0
0.960956	0.814312	0	0	0	0	0	0
0.960588	0.957304	0	0	0	0	0	0
0.942003	0.545461	0	0	0	0	0	0
0.990849	0.965473	0	0	0	0	0	0
0.981155	0.970258	0	0	0	0	0	0
0.978277	0.968177	0	0	0	0	0	0
0.988633	0.974176	0	0	0	0	0	0
0.902484	0.925168	0	0	0	0	0	0
0.933203	0.971285	0	0	0	0	0	0
0.993609	0.986354	0	0	0	0	0	0
0.994302	0.980548	0	0	0	0	0	0
0.979102	0.921965	0	0	0	0	0	0
0.127628	0.199757	0	0	0	0	0	0
0.247006	0.273024	0	0	0	0	0	0
0.006314	0.012458	0	0	0	0	0	0
0.967969	0.382656	0.49	0	0	0	0	0
0.976006	0.512019	0.31	0	0	0	0	0
0.984947	0.992788	0	0	0	0	0	0
0.961893	0.926642	0	0	0	0	0	0
0.897946	0.488146	0.07	0	0	0	0	0
0.996813	0.997929	0	0	0	0	0	0
0.99649	0.997639	0	0	0	0	0	0
0.992491	0.994615	0	0	0	0	0	0
0.990116	0.995429	0	0	0	0	0	0
0.994312	0.997083	0	0	0	0	0	0
0.986343	0.96543	0	0	0	0	0	0
0.020535	0.009028	0	0	0	0	0	0
0.972261	0.966043	0	0	0	0	0	0
0.271715	0.226204	0	0	0	0	0	0
0.527995	0.521815	0	0	0	0	0	0
0.988998	0.639148	0.25	0	0	0	0	0
0.990478	0.993258	0	0	0	0	0	0
0.007953	0.019768	0	0	0	0	0	0
0.582453	0.934757	0.2	0	0	0	0	0
0.991034	0.996693	0	0	0	0	0	0

0.457929	0.483485	0	0	0	0	0	0
0.84401	0.897248	0	0	0	0	0	0
0.920465	0.512661	0.24	0	0	0	0	0
0.989376	0.986536	0	0	0	0	0	0
0.93127	0.888172	0	0	0	0	0	0
0.96612	0.966295	0	0	0	0	0	0
0.966867	0.984698	0	0	0	0	0	0
0.997431	0.994284	0	0	0	0	0	0
0.991502	0.98097	0	0	0	0	0	0
0.005626	0.0199	0	0	0	0	0	0
0.933604	0.959654	0	0	0	0	0	0
0.94686	0.973976	0	0	0	0	0	0
0.063931	0.061165	0	0	0	0	0	0
0.039655	0.029563	0	0	0	0	0	0
0.973075	0.95978	0	0	0	0	0	0
0.279666	0.404984	0	0	0	0	0	0
0.004741	0.045652	0	0	0	0	0	0
0.985462	0.935076	0	0	0	0	0	0
0.998878	0.973166	0	0	0	0	0	0
0.998757	0.836873	0.08	0	0	0	0	0
0.99412	0.990229	0	0	0	0	0	0
0.998175	0.995279	0	0	0	0	0	0
0.040062	0.06719	0	0	0	0	0	0
0.977636	0.929883	0	0	0	0	0	0
0.969038	0.841824	0	0	0	0	0	0
0.974769	0.674802	0.09	0	0	0	0	0
0.992663	0.910075	0.08	0	0	0	0	0
0.994906	0.998782	0	0	0	0	0	0
0.98351	0.822414	0.06	0	0	0	0	0
0.987998	0.984862	0	0	0	0	0	0
0.862607	0.154875	0.55	0	0	0	0	0
0.972077	0.939441	0	0	0	0	0	0
0.987578	0.989682	0	0	0	0	0	0
0.996193	0.996445	0	0	0	0	0	0
0.02016	0.025322	0	0	0	0	0	0
0.997467	0.994001	0	0	0	0	0	0
0.993332	0.995166	0	0	0	0	0	0
0.995059	0.996391	0	0	0	0	0	0
0.775571	0.380701	0.24	0	0	0	0	0
0.994248	0.986475	0	0	0	0	0	0
0.987329	0.98238	0	0	0	0	0	0
0.973775	0.948797	0	0	0	0	0	0
0.926985	0.940719	0	0	0	0	0	0
0.986616	0.812915	0.07	0	0	0	0	0
0.993588	0.993292	0	0	0	0	0	0
0.017317	0.014901	0	0	0	0	0	0
0.984812	0.927005	0	0	0	0	0	0

0.847524	0.875595	0	0	0	0	0	0
0.991855	0.96692	0	0	0	0	0	0
0.994021	0.970769	0	0	0	0	0	0
0.007655	0.003749	0	0	0	0	0	0
0.987221	0.68919	0.23	0	0	0	0	0
0.977954	0.62201	0.29	0	0	0	0	0
0.97693	0.620157	0.28	0	0	0	0	0
0.941723	0.701073	0.17	0	0	0	0	0
0.992145	0.915687	0.04	0	0	0	0	6
0.985823	0.995295	0.01	0	0	0	0	0
0.986698	0.992542	0	0	0	0	0	0
0.016866	0.021663	0	0	0	0	0	0
0.014492	0.046322	0	0	0	0	0	0
0.932772	0.854585	0	0	0	0	0	0
0.984584	0.968608	0	0	0	0	0	0
0.992475	0.965694	0	0	0	0	0	0
0.039646	0.043065	0	0	0	0	0	0
0.023604	0.02386	0	0	0	0	0	0
0.031649	0.294562	0.09	0	0	0	0	0
0.990752	0.912358	0	0	0	0	0	0
0.955014	0.923426	0	0	0	0	0	0
0.059468	0.450906	0.16	0	0	0	0	0
0.977945	0.958928	0	0	0	0	0	0
0.987088	0.977299	0	0	1	0	0	0
0.981283	0.873677	0	0	0	0	0	0
0.030018	0.063976	0	0	0	0	0	0
0.089645	0.299698	0	0	0	0	0	0
0.838461	0.748443	0	0	0	0	0	0
0.976951	0.961843	0	0	0	0	0	0
0.983281	0.915013	0	0	0	0	0	0
0.976608	0.976158	0	0	0	0	0	0
0.832067	0.893862	0	0	0	0	0	0
0.136742	0.093973	0	0	0	0	0	0
0.627774	0.602842	0	0	0	0	0	0
0.106091	0.043732	0	0	0	0	0	0
0.067284	0.172921	0	0	0	0	0	0
0.135712	0.196335	0	0	0	0	0	0
0.982923	0.98062	0	0	0	0	0	0
0.981643	0.98634	0	0	0	0	0	0
0.985451	0.981987	0	0	0	0	0	0
0.953054	0.957333	0	0	0	0	0	0
0.982253	0.983541	0	0	0	0	0	0
0.994149	0.994038	0	0	0	0	0	0
0.008061	0.028325	0	0	0	5	0	0
0.986874	0.952263	0	0	0	0	0	0
0.994249	0.974515	0	0	0	0	0	0
0.995453	0.987472	0	0	0	0	0	0

0.998443	0.997712	0	0	0	0	0	0
0.003269	0.01546	0	0	0	0	0	0
0.99435	0.986662	0	0	0	0	0	0
0.045689	0.064238	0	0	0	0	0	0
0.037571	0.040336	0	0	0	0	0	0
0.986407	0.931464	0	0	0	0	0	0
0.01412	0.064964	0	0	0	0	0	0
0.975599	0.956184	0	0	0	0	0	0
0.966966	0.964295	0	0	0	0	0	0
0.995979	0.99387	0	0	0	0	0	0
0.993375	0.990708	0	0	0	0	0	0
0.99415	0.972075	0	0	0	0	0	0
0.955229	0.872552	0	0	0	0	0	0
0.992951	0.990238	0	0	0	0	0	0
0.010104	0.004413	0	0	0	0	0	0
0.99559	0.996118	0	0	0	0	0	0
0.993801	0.997566	0	0	0	0	0	0
0.997489	0.994955	0	0	0	0	0	0
0.951769	0.909352	0	0	0	0	2	7
0.064987	0.018801	0	7	0	0	0	0
0.93494	0.798714	0	0	0	0	0	0
0.961119	0.942863	0	0	0	0	0	0
0.978706	0.958555	0	0	0	0	0	0
0.946625	0.807195	0	0	0	0	0	0
0.969374	0.812678	0	0	0	0	0	0
0.955828	0.724816	0	0	0	0	0	0
0.975459	0.89803	0	0	0	0	0	0
0.992913	0.982117	0	0	0	0	0	0
0.015371	0.0144	0	0	0	0	0	0
0.989755	0.983621	0	0	0	0	0	0
0.99718	0.99326	0	0	0	0	0	0
0.998937	0.743341	0.21	1	0	0	0	0
0.997883	0.983003	0	0	0	0	0	0
0.998061	0.986195	0	0	0	0	1	1
0.014971	0.030239	0	0	0	0	0	0
0.769413	0.558287	0.03	0	0	0	0	0
0.184563	0.23389	0	0	0	0	0	0
0.998927	0.994862	0	0	0	0	0	0
0.998902	0.994861	0	0	0	0	0	0
0.983434	0.991449	0.01	0	0	0	0	0
0.953415	0.956768	0	0	0	0	0	0
0.948478	0.912833	0	0	0	0	0	0
0.970309	0.989621	0	0	0	0	0	0
0.040303	0.042448	0	0	0	0	0	0
0.037963	0.027367	0	0	0	0	0	0
0.984682	0.991023	0	0	0	0	0	0
0.037737	0.045381	0	0	0	0	0	0

0.959453	0.98385	0	0	0	0	0	0
0.997033	0.80672	0.13	0	0	0	0	0
0.004359	0.009645	0	0	0	0	0	0
0.982058	0.986687	0	0	0	0	0	0
0.969049	0.969707	0	0	0	0	0	0
0.027468	0.029378	0	0	0	0	0	0
0.982546	0.951358	0	0	0	0	0	0
0.855314	0.953421	0	0	0	0	0	0
0.032098	0.015133	0	0	0	0	0	0
0.987421	0.945982	0	0	0	0	0	0
0.555842	0.422527	0	0	0	0	0	0
0.985474	0.780058	0.06	0	0	0	0	0
0.986483	0.916976	0	0	0	0	0	0
0.994067	0.482606	0.27	0	0	0	0	0
0.003911	0.002221	0	0	0	0	0	0
0.997979	0.996146	0	0	0	0	1	1
0.998237	0.996398	0	0	0	0	0	0
0.994213	0.968022	0	0	0	0	0	0
0.981375	0.981084	0	0	3	3	0	0
0.033616	0.024341	0	0	0	0	0	0
0.983901	0.983543	0	0	0	0	0	0
0.023433	0.023505	0	0	0	0	0	0
0.974458	0.931533	0	0	0	0	0	0
0.945861	0.929787	0	0	0	0	0	0
0.059394	0.124808	0	2	0	0	0	0
0.937467	0.859388	0	0	0	0	0	0
0.985828	0.973014	0	0	0	0	0	0
0.981709	0.957906	0	0	0	0	0	0
0.979036	0.98794	0	0	0	0	0	0
0.982795	0.990775	0	0	0	0	0	0
0.991395	0.968855	0	0	0	0	0	0
0.985773	0.963077	0	0	0	0	0	0
0.119209	0.160355	0	0	0	0	0	0
0.928635	0.815073	0	0	0	0	0	0
0.990572	0.963477	0	0	0	0	0	0
0.990075	0.986459	0	0	0	0	0	0
0.989984	0.992165	0	0	0	0	0	0
0.988816	0.989725	0	0	0	0	0	0
0.989881	0.985836	0	0	0	0	0	0
0.978136	0.989006	0	0	0	0	0	0
0.99157	0.990082	0	0	0	0	0	0
0.991667	0.991383	0	0	0	0	0	0
0.158395	0.192785	0	0	0	0	0	0
0.823966	0.838269	0	0	0	0	0	0
0.994162	0.994988	0	0	0	0	0	0
0.988985	0.991999	0	0	0	0	0	0
0.992113	0.989429	0	0	0	0	0	0

0.992832	0.976203	0	0	0	0	0	0
0.992387	0.990632	0	0	0	0	0	0
0.993884	0.991181	0	0	0	0	0	0
0.011576	0.053138	0	0	0	0	0	0
0.994158	0.99187	0	0	0	0	0	0
0.994725	0.911479	0.02	0	0	0	0	0
0.993799	0.829262	0.08	0	0	0	0	0
0.991627	0.777564	0.11	0	0	0	0	0
0.994592	0.99603	0	0	0	0	0	0
0.993808	0.991428	0	0	0	0	0	0
0.995265	0.969087	0	0	0	0	0	0
0.994206	0.984248	0	0	0	0	0	0
0.994587	0.99699	0	0	0	0	0	0
0.994714	0.993123	0	0	0	0	0	0
0.995025	0.997555	0	0	0	0	0	0
0.012448	0.125496	0.02	0	0	0	0	0
0.993441	0.989228	0	0	0	0	0	0
0.985511	0.988385	0	0	0	0	0	0
0.881893	0.85168	0	0	0	0	0	0
0.995682	0.996376	0	0	0	0	0	0
0.000528	0.001279	0	0	0	0	0	0
0.000316	0.000716	0	0	0	0	0	0
0.998078	0.994689	0	0	0	0	0	0
0.996743	0.995105	0	0	0	0	0	0
0.009533	0.0133	0	0	0	0	0	0
0.995113	0.989855	0	0	0	0	0	0
0.994823	0.96293	0	0	0	0	0	0
0.994618	0.940619	0	0	0	0	0	0
0.976017	0.96496	0	0	0	0	0	0
0.978817	0.973592	0	0	0	0	0	0
0.550704	0.941417	0.23	0	0	0	0	0
0.92796	0.965728	0	0	0	0	0	0
0.148972	0.683156	0.35	0	0	0	0	0
0.996845	0.99399	0	0	0	0	0	0
0.996053	0.991933	0	0	0	0	0	0
0.99767	0.991416	0	0	0	0	0	0
0.997304	0.925306	0.02	0	0	0	0	0
0.99734	0.79568	0.09	0	0	0	0	0
0.971943	0.982962	0	0	0	0	0	0
0.747008	0.797847	0	0	0	0	0	0
0.98176	0.977863	0	0	0	0	0	0
0.00674	0.028546	0	0	0	0	0	0
0.9834	0.966557	0	0	0	0	0	0
0.971901	0.939542	0	0	0	0	0	0
0.051924	0.040235	0	0	0	0	0	0
0.969201	0.955517	0	0	0	0	0	0
0.034454	0.047656	0	0	0	0	0	0

0.975475	0.978396	0	0	0	0	0	0
0.974943	0.978378	0	0	0	0	0	0
0.976285	0.968897	0	0	0	0	0	0
0.9748	0.958109	0	0	0	0	0	0
0.969141	0.955298	0	0	0	0	0	0
0.973507	0.953937	0	0	0	0	0	0
0.616355	0.278199	0.23	0	0	0	0	0
0.007663	0.045241	0	0	0	0	0	0
0.989483	0.981276	0	0	0	0	0	0
0.998169	0.994116	0	0	0	0	0	0
0.989973	0.953045	0	0	0	0	0	0
0.997631	0.994849	0	0	0	0	0	0
0.161509	0.013801	0.04	0	0	0	0	0
0.94476	0.932818	0	0	0	0	0	0
0.011864	0.017883	0	0	0	0	0	0
0.993227	0.993724	0	0	0	0	0	0
0.976561	0.99152	0	0	0	0	0	0
0.98415	0.989132	0	0	0	0	0	0
0.989694	0.988562	0	0	0	0	0	0
0.9891	0.994521	0	0	0	0	0	0
0.017875	0.019822	0	0	0	0	0	0
0.983935	0.994401	0	0	0	0	0	0
0.98831	0.723793	0.13	0	0	0	0	0
0.993988	0.977262	0	0	0	0	0	0
0.994549	0.984279	0	0	0	0	0	0
0.994686	0.946532	0	0	0	0	0	0
0.007068	0.009895	0	0	0	0	0	0
0.997491	0.990984	0	0	0	0	0	0
0.941617	0.969235	0	0	0	0	0	0
0.365083	0.31242	0	0	0	0	0	0
0.943449	0.969132	0	0	0	0	0	0
0.929323	0.848375	0	0	0	0	0	0
0.998542	0.931476	0.05	0	0	0	0	0
0.954733	0.94548	0	0	0	0	0	0
0.920561	0.94372	0	0	0	0	0	0
0.012453	0.005145	0	0	0	0	0	0
0.962497	0.958819	0	0	0	0	0	0
0.956303	0.96766	0	0	0	0	0	0
0.067198	0.036291	0	0	0	0	0	0
0.961842	0.843032	0	0	0	0	0	0
0.935335	0.948871	0	0	0	0	0	0
0.989492	0.96913	0	0	0	0	0	0
0.059505	0.04445	0	0	0	0	0	0
0.99095	0.980071	0	0	0	0	0	0
0.941933	0.966752	0	0	0	0	0	0
0.360545	0.614915	0	0	0	0	0	0
0.985333	0.982773	0	0	0	0	0	0

0.985903	0.968094	0	0	0	0	0	0
0.983453	0.95228	0	0	0	0	0	0
0.98557	0.963641	0	0	0	0	0	0
0.987898	0.963553	0	0	0	0	0	0
0.990228	0.975552	0	0	0	0	0	0
0.997213	0.996734	0	0	0	0	0	0
0.996675	0.452252	0.45	0	0	0	0	0
0.996696	0.99807	0	0	0	0	0	0
0.205855	0.26924	0	0	0	0	0	0
0.655754	0.318268	0.18	0	0	0	0	0
0.985683	0.987417	0	0	0	0	0	0
0.052465	0.062799	0	0	0	0	0	0
0.481228	0.373854	0	0	0	0	0	0
0.800281	0.680944	0	0	0	0	0	0
0.909386	0.941681	0	0	0	0	0	0
0.896228	0.932795	0	0	0	0	0	0
0.981699	0.943552	0	0	0	0	0	0
0.990251	0.961597	0	0	0	0	0	0
0.991206	0.966388	0	0	0	0	0	0
0.988119	0.952079	0	0	0	0	0	0
0.962481	0.857337	0	0	0	0	0	0
0.995131	0.991279	0	0	0	0	0	0
0.98541	0.984404	0	0	0	0	0	0
0.993321	0.989743	0	0	0	0	0	0
0.992668	0.971309	0	0	0	0	0	0
0.814244	0.991024	0.1	0	0	0	0	0
0.006321	0.028316	0	0	0	0	0	0
0.997864	0.998494	0	0	0	0	0	0
0.721316	0.694084	0	0	0	0	0	0
0.999711	0.998787	0	0	0	0	0	0
0.977504	0.985174	0	0	0	0	0	0
0.844166	0.883563	0	0	0	0	0	0
0.997773	0.998573	0	0	0	0	0	0
0.997036	0.997754	0	0	0	0	0	0
0.994133	0.996088	0	0	0	0	0	0
0.009119	0.037048	0.03	0	8	15	0	0
0.923526	0.905085	0	0	0	0	0	0
0.880233	0.915679	0	36	151	130	0	0
0.32131	0.443074	0.09	0	0	8	0	0
0.902318	0.986696	0	0	0	0	0	0
0.94228	0.964965	0	0	0	0	0	0
0.716244	0.804771	0	0	0	0	0	0
0.891834	0.928696	0	0	0	0	0	0
0.089435	0.038137	0	0	0	0	0	0
0.966775	0.965773	0	0	0	0	0	0
0.040562	0.019067	0	0	0	0	0	0
0.993784	0.997524	0	0	0	0	0	0

0.991254	0.996788	0	0	0	0	0	0
0.988586	0.745859	0.09	7	0	0	0	0
0.015854	0.057537	0	0	0	0	0	0
0.009511	0.010123	0	0	0	0	0	0
0.027977	0.077005	0	0	0	0	0	0
0.997412	0.990339	0	0	0	0	0	0
0.997619	0.998419	0	0	0	0	0	0
0.997526	0.997012	0	0	0	0	0	0
0.997281	0.998711	0	0	0	0	0	0
0.997791	0.99521	0	0	0	0	0	0
0.997497	0.996444	0	0	0	0	0	0
0.995928	0.984933	0	0	0	0	0	0
0.992606	0.99761	0	0	0	0	0	0
0.994138	0.995901	0	0	0	0	0	0
0.997645	0.995636	0	0	0	0	0	0
0.985559	0.972889	0	0	0	0	0	0
0.986532	0.982576	0	0	0	0	0	0
0.13511	0.243804	0	0	0	0	0	0
0.990392	0.954348	0	0	0	0	0	0
0.991335	0.89591	0.01	0	0	0	0	0
0.618329	0.525702	0	0	0	0	0	0
0.988856	0.707696	0.12	0	0	0	0	0
0.978394	0.956872	0	0	0	0	0	0
0.917548	0.954684	0	0	0	0	0	0
0.990792	0.973737	0	0	0	0	0	0
0.99445	0.993249	0	0	0	0	0	0
0.989857	0.524105	0.21	0	0	0	0	0
0.866274	0.972369	0.02	5	0	0	0	0
0.542016	0.164998	0.23	0	0	0	0	0
0.967503	0.942277	0	0	0	0	0	0
0.977293	0.816538	0	0	0	0	0	0
0.982637	0.936362	0	0	0	0	0	0
0.96106	0.91594	0	0	0	0	0	0
0.951238	0.202228	0.53	0	0	0	0	0
0.030087	0.027257	0	0	0	0	0	0
0.987382	0.986082	0	0	0	0	0	0
0.985729	0.95847	0	0	0	0	0	0
0.985365	0.988043	0	0	0	0	0	0
0.96349	0.705008	0.11	0	0	0	0	0
0.910584	0.880454	0	0	0	0	0	0
0.969561	0.947548	0	0	0	0	0	0
0.995497	0.986975	0	0	0	0	0	0
0.995563	0.988416	0	0	0	0	0	0
0.007728	0.024878	0	0	0	0	0	0
0.977706	0.96775	0	0	0	0	0	0
0.91837	0.611503	0.16	0	0	0	0	0
0.907766	0.935111	0	0	0	0	0	0

0.990842	0.935748	0	0	0	0	0	0
0.985029	0.946945	0	0	0	0	0	0
0.967376	0.931891	0	0	0	0	0	0
0.851272	0.095336	0.57	0	0	0	0	0
0.921828	0.756484	0.03	0	0	0	0	0
0.998663	0.99266	0	0	0	7	0	0
0.99813	0.993115	0	2	0	1	0	0
0.198569	0.436319	0.13	0	1	0	0	0
0.995543	0.984249	0	0	0	0	0	0
0.999351	0.999298	0	0	0	0	0	0
0.998595	0.993901	0	0	0	0	0	0
0.078817	0.008725	0.04	4	0	0	0	0
0.998025	0.991918	0	1	0	0	0	0
0.996109	0.997911	0	0	0	0	7	7
0.95693	0.906401	0	0	1	1	0	0
0.953186	0.922837	0	0	1	0	0	0
0.984643	0.984272	0	0	1	7	0	0
0.026224	0.014573	0	0	1	11	0	0
0.885279	0.513003	0.26	0	1	37	0	0
0.947857	0.939051	0	0	0	0	0	0
0.947767	0.953593	0	0	0	0	0	0
0.950847	0.932764	0	0	0	0	0	0
0.96507	0.961246	0	0	0	0	0	0
0.961415	0.981211	0	0	0	0	0	0
0.982376	0.989338	0	0	0	0	0	0
0.982389	0.991141	0	0	0	0	0	0
0.973262	0.886986	0	0	0	0	0	0
0.979769	0.954443	0	0	0	0	0	0
0.975101	0.974261	0	0	0	0	0	0
0.954872	0.947153	0	0	0	0	0	0
0.995401	0.983349	0	0	0	0	0	0
0.995165	0.975074	0	0	0	0	0	0
0.934822	0.78585	0	0	0	0	0	0
0.936028	0.937672	0	0	0	0	0	0
0.972323	0.931339	0	0	0	0	0	0
0.984164	0.978562	0	0	0	0	0	0
0.971579	0.972626	0	0	0	0	0	0
0.145725	0.352719	0.13	0	0	0	0	0
0.115994	0.054866	0	0	0	0	0	0
0.020879	0.097861	0	0	0	0	0	0
0.507755	0.168592	0.2	0	0	0	0	0
0.39972	0.13116	0.09	0	0	0	0	0
0.421341	0.051838	0.13	0	0	0	0	0
0.992003	0.975105	0	0	0	0	0	0
0.994732	0.978835	0	0	0	0	0	0
0.973982	0.28444	0.52	0	0	0	0	0
0.052965	0.017862	0	0	0	0	0	0

0.994283	0.994817	0	0	0	0	0	0
0.995144	0.997651	0	0	0	0	0	0
0.007142	0.01696	0	0	0	0	0	0
0.996973	0.972001	0	0	0	0	0	0
0.296226	0.04598	0.19	1	0	0	0	0
0.966429	0.784204	0.1	1	0	0	0	0
0.998603	0.990838	0	0	0	0	0	0
0.996817	0.98075	0	0	0	0	0	0
0.968647	0.909798	0	0	0	0	0	0
0.962159	0.406075	0.48	0	0	0	0	0
0.968131	0.880896	0	0	0	0	0	0
0.999059	0.998902	0	0	0	4	0	0
0.995535	0.993531	0	0	0	0	0	0
0.998911	0.999213	0	0	0	0	0	0
0.997256	0.99762	0	0	0	0	0	0
0.997768	0.996475	0	0	0	0	0	0
0.841619	0.868208	0	0	0	0	0	0
0.081006	0.045695	0	0	0	0	0	0
0.998699	0.998131	0	0	0	0	0	0
0.997405	0.99705	0	0	0	0	0	0
0.996235	0.995723	0	0	0	0	0	0
0.995793	0.982487	0	0	0	0	0	0
0.99653	0.993236	0	0	0	0	0	0
0.996868	0.993644	0	0	0	0	0	0
0.987135	0.983214	0	0	0	0	0	0
0.027489	0.028604	0	0	0	0	0	0
0.987222	0.93493	0	0	0	0	0	0
0.987151	0.966035	0	0	0	0	0	0
0.986943	0.966065	0	0	0	0	0	0
0.984601	0.959231	0	0	0	0	0	0
0.977896	0.962123	0	0	0	0	0	0
0.970708	0.971633	0	0	0	0	0	0
0.970624	0.97162	0	0	0	0	0	0
0.935794	0.956471	0	0	0	0	0	0
0.943407	0.883534	0	0	0	0	0	0
0.99628	0.990236	0	0	0	0	0	0
0.996258	0.994176	0	0	0	0	0	0
0.996178	0.988316	0	0	0	0	0	0
0.989958	0.99613	0	0	0	0	0	0
0.953384	0.900205	0	0	0	0	0	0
0.979495	0.844091	0	0	0	0	0	0
0.957889	0.966883	0	0	0	0	0	0
0.994057	0.992105	0	0	0	0	0	0
0.991033	0.996289	0	0	0	0	0	0
0.285278	0.247016	0	0	0	0	0	0
0.961628	0.908126	0	0	0	0	0	0
0.016757	0.026268	0	0	0	0	0	0

0.992393	0.966482	0	0	0	0	0	0
0.982175	0.975378	0	0	0	0	0	0
0.984353	0.986105	0	0	0	0	0	0
0.023554	0.022584	0	0	0	0	0	0
0.032458	0.073578	0	0	0	0	0	0
0.983726	0.958034	0	0	0	0	0	0
0.976903	0.692564	0.12	0	0	0	0	0
0.983747	0.970166	0	0	0	0	0	0
0.979325	0.890209	0	0	0	0	0	0
0.98068	0.987674	0	0	0	0	0	0
0.152547	0.006068	0	4	0	0	0	0
0.995226	0.991195	0	4	0	0	0	0
0.990528	0.992876	0	0	0	0	0	0
0.686751	0.809041	0	0	0	0	0	0
0.033546	0.069349	0	0	0	0	0	0
0.991238	0.992682	0	0	0	0	0	0
0.990673	0.980373	0	0	0	0	0	0
0.991229	0.968214	0	0	0	0	0	0
0.937627	0.943005	0	0	0	0	0	0
0.935336	0.947451	0	0	0	0	0	0
0.006642	0.036993	0	0	0	0	0	0
0.983941	0.948332	0	0	0	0	0	0
0.995381	0.982815	0	0	0	0	0	0
0.993108	0.975438	0	0	0	0	0	0
0.98307	0.967333	0	0	0	0	0	0
0.996438	0.9823	0	0	0	0	0	0
0.014456	0.058577	0	0	0	0	0	0
0.945273	0.975405	0	0	0	0	0	0
0.955514	0.980273	0	0	0	0	0	0
0.91821	0.990735	0	0	0	0	0	0
0.923193	0.954348	0	0	0	0	0	0
0.784029	0.8936	0	0	0	0	0	0
0.952737	0.973203	0	0	0	0	0	0
0.964194	0.987009	0	0	0	0	0	0
0.954466	0.961543	0	0	0	0	0	0
0.94459	0.961415	0	0	0	0	0	0
0.896432	0.96308	0	0	0	0	0	0
0.171196	0.083833	0	0	0	0	0	0
0.714634	0.919143	0	0	0	0	0	0
0.208825	0.798278	0.04	0	0	0	0	0
0.926268	0.874179	0	0	0	0	0	0
0.467133	0.303062	0	0	0	0	0	0
0.954524	0.974512	0	0	0	0	0	0
0.993731	0.97441	0	0	0	0	0	0
0.027384	0.234862	0.05	0	0	0	0	0
0.016016	0.245902	0.09	0	0	0	0	0
0.066894	0.146492	0	0	0	0	0	0

0.009541	0.011206	0	0	0	0	0	0
0.974901	0.965993	0	0	0	0	0	0
0.538164	0.831923	0.21	0	0	0	0	0
0.481683	0.414529	0	0	0	0	0	0
0.543516	0.802283	0.19	0	0	4	0	0
0.991735	0.990953	0	0	0	0	0	0
0.943688	0.951575	0	0	0	0	0	0
0.968023	0.962357	0	0	0	0	0	0
0.883307	0.941789	0	0	0	0	0	0
0.842493	0.46345	0.08	0	0	0	0	0
0.908855	0.832155	0	0	0	0	0	0
0.946289	0.934085	0	0	0	0	0	0
0.9994	0.999535	0	10	16	41	16	11
0.00091	0.000848	0	10	16	23	15	7
0.99114	0.88716	0.05	0	5	56	0	0
0.000207	0.000869	0	1	4	4	0	0
0.999835	0.999537	0	1	4	8	0	0
0.882697	0.886374	0	0	0	0	0	0
0.1496	0.173689	0	0	0	0	0	0
0.989421	0.976048	0	0	0	0	0	0
0.972124	0.950793	0	0	0	0	0	0
0.019381	0.16053	0.03	0	0	0	0	0
0.984283	0.972464	0	0	0	4	0	0
0.986886	0.98094	0	0	0	0	0	0
0.982831	0.993378	0	0	0	0	0	0
0.977321	0.991663	0	0	0	0	0	0
0.907892	0.946302	0	0	0	0	0	0
0.965105	0.995011	0	0	0	0	0	0
0.03263	0.345459	0.12	0	0	0	0	0
0.997452	0.995025	0	0	0	0	0	0
0.982248	0.954269	0	0	0	0	0	0
0.997312	0.993737	0	0	0	0	0	0
0.012492	0.013185	0	0	0	0	0	0
0.982463	0.984755	0	0	0	0	0	0
0.995661	0.997028	0	0	0	0	0	0
0.99532	0.997241	0	0	0	0	0	0
0.007525	0.008953	0	0	0	0	0	0
0.996314	0.998208	0	0	0	0	0	0
0.996488	0.998601	0	0	0	0	0	0
0.00588	0.004563	0	0	0	0	0	0
0.996021	0.992951	0	0	0	0	0	0
0.07134	0.179118	0.04	0	0	0	0	0
0.969785	0.594734	0.15	0	0	0	0	0
0.034292	0.16717	0.03	0	0	0	0	0
0.996195	0.977061	0	0	0	0	0	0
0.996795	0.987016	0	0	0	0	0	0
0.995311	0.993003	0	0	0	0	0	0

0.997647	0.991574	0	0	0	0	0	0
0.997935	0.995329	0	0	0	0	0	0
0.998331	0.996784	0	0	0	0	6	0
0.996761	0.946946	0	0	0	0	0	0
0.996312	0.990599	0	0	0	0	0	0
0.034191	0.024293	0	0	0	0	0	0
0.037126	0.045205	0	0	0	0	0	0
0.994519	0.967222	0	0	0	0	0	0
0.961195	0.561302	0.24	0	0	0	0	0
0.99562	0.994688	0	0	0	0	0	0
0.995425	0.914799	0.03	0	0	0	0	0
0.99547	0.899212	0.06	0	0	0	0	0
0.05883	0.068094	0	0	0	0	0	0
0.036282	0.111454	0	0	0	0	0	0
0.012425	0.010766	0	0	0	0	0	0
0.987711	0.979592	0	0	0	0	0	0
0.980846	0.977104	0	0	0	0	0	0
0.035249	0.026893	0	0	0	0	0	0
0.995368	0.985421	0	0	0	0	0	0
0.967526	0.979293	0	0	0	0	0	0
0.994289	0.990906	0	0	0	0	0	0
0.62197	0.301869	0.18	0	0	0	0	0
0.04163	0.036778	0	0	0	0	0	0
0.064344	0.359043	0.13	0	0	2	0	0
0.958579	0.981955	0	0	0	0	0	0
0.052149	0.032767	0	0	0	0	0	0
0.954394	0.970076	0	0	0	0	0	0
0.950263	0.951196	0	0	0	0	0	0
0.995433	0.997325	0	0	0	0	0	0
0.007084	0.003846	0	0	0	0	0	0
0.996388	0.964421	0	0	0	0	0	0
0.997941	0.993775	0	0	0	0	0	0
0.962767	0.985631	0	0	0	0	0	0
0.983881	0.987523	0	0	0	0	0	0
0.014441	0.009384	0	0	0	0	0	0
0.991462	0.995756	0	0	0	0	0	0
0.97257	0.894854	0	0	0	0	0	0
0.92442	0.922109	0	0	0	0	0	0
0.953323	0.941304	0	0	0	0	0	0
0.971835	0.971975	0	0	0	0	0	0
0.982317	0.991381	0	0	0	0	0	0
0.03943	0.027599	0	0	0	0	0	0
0.985508	0.990535	0	0	0	0	0	0
0.968053	0.985458	0	0	0	0	0	0
0.986277	0.987358	0	0	0	0	0	0
0.409412	0.255437	0	0	0	0	0	0
0.936901	0.742521	0	0	0	0	0	0

0.985761	0.993976	0	0	0	0	0	0
0.987076	0.992767	0	0	0	0	0	0
0.05802	0.019268	0	0	0	0	0	0
0.978899	0.991813	0	0	0	0	0	0
0.960575	0.961488	0	0	0	0	0	0
0.944998	0.8683	0	0	0	0	0	0
0.9258	0.88196	0	0	0	0	0	0
0.943051	0.897969	0	0	0	0	0	0
0.981425	0.988	0	0	0	0	0	0
0.045015	0.076556	0	0	0	0	0	0
0.981551	0.969554	0	0	0	0	0	0
0.97354	0.97586	0	0	0	0	0	0
0.031802	0.041188	0	0	0	0	0	0
0.04318	0.040596	0	0	0	0	0	0
0.982317	0.976621	0	0	0	0	0	0
0.940715	0.942809	0	0	0	0	0	0
0.981574	0.948802	0	0	0	0	0	0
0.051476	0.30887	0.06	0	0	0	0	0
0.976035	0.989102	0	0	0	0	0	0
0.779389	0.557146	0	0	0	0	0	0
0.983408	0.997803	0	0	0	0	0	0
0.993627	0.994488	0	0	0	0	0	0
0.991812	0.994249	0	0	0	0	0	0
0.918972	0.921193	0	0	0	0	0	0
0.952035	0.814021	0.07	0	0	0	0	0
0.996428	0.99589	0	0	0	0	0	0
0.998411	0.9988	0	0	0	0	0	0
0.99834	0.997236	0	0	0	0	0	0
0.997371	0.982464	0	0	0	0	0	0
0.301088	0.253243	0	0	0	0	0	0
0.008888	0.04421	0	0	0	0	0	0
0.006133	0.014951	0	0	0	0	0	0
0.032531	0.126165	0.1	0	10	11	1	0
0.003363	0.003102	0	0	0	0	0	0
0.998038	0.998297	0	0	0	0	0	0
0.511895	0.479075	0	0	0	0	0	0
0.002689	0.041651	0	0	0	0	0	0
0.885127	0.698584	0.1	0	0	0	0	0
0.958311	0.961831	0	0	0	0	0	0
0.994219	0.994072	0	0	0	0	0	0
0.969948	0.993287	0	0	0	0	0	0
0.967341	0.992419	0	0	0	0	0	0
0.973724	0.996892	0	0	0	0	0	0
0.957866	0.992934	0	0	0	0	0	0
0.972416	0.994746	0	0	0	0	0	0
0.971604	0.985337	0	0	0	0	0	0
0.999315	0.999562	0	0	0	0	0	0

0.991921	0.95362	0.01	0	0	0	0	0
0.988929	0.945353	0.01	0	0	0	0	0
0.987282	0.937409	0.02	0	0	0	0	0
0.998963	0.97952	0.02	0	0	0	0	0
0.008423	0.012891	0	0	0	0	0	0
0.997029	0.985007	0	0	0	0	0	0
0.996581	0.992353	0	0	0	0	0	0
0.995505	0.992125	0	0	0	0	0	0
0.993298	0.956329	0	0	0	0	0	0
0.994396	0.994009	0	0	0	0	0	0
0.982137	0.931549	0	0	0	0	0	0
0.998097	0.991904	0	0	0	0	0	0
0.985985	0.956859	0	0	0	0	0	0
0.980462	0.987037	0	0	0	0	0	0
0.939382	0.943823	0	0	0	0	0	0
0.009152	0.009754	0	0	0	0	0	0
0.94848	0.916625	0	0	0	0	0	0
0.990276	0.937818	0	0	0	0	0	0
0.991342	0.978411	0	0	0	0	0	0
0.995514	0.992637	0	0	0	0	0	0
0.993827	0.984472	0	0	0	0	0	0
0.995066	0.993878	0	0	0	0	0	0
0.987094	0.984571	0	0	0	0	0	0
0.995408	0.969534	0	0	0	0	0	0
0.993164	0.946945	0	0	0	0	0	0
0.991952	0.993254	0	0	0	0	0	0
0.994065	0.988355	0	0	0	0	0	0
0.010857	0.022585	0	0	0	0	0	0
0.992742	0.977144	0	0	0	0	0	0
0.995074	0.994498	0	0	0	0	0	0
0.992505	0.995277	0	0	0	0	0	0
0.012316	0.01075	0	0	0	0	0	0
0.996114	0.992973	0	0	0	0	0	0
0.989668	0.995102	0	0	0	0	0	0
0.28358	0.504271	0.06	0	0	0	0	0
0.980372	0.973712	0	0	0	0	0	0
0.96635	0.949785	0	0	0	0	0	0
0.987444	0.95642	0	0	0	0	0	0
0.909708	0.910672	0	0	0	0	0	0
0.058354	0.106368	0	0	0	0	0	0
0.993386	0.997301	0	0	0	0	0	0
0.993931	0.993596	0	0	0	0	0	0
0.977606	0.986224	0	0	0	0	0	0
0.996829	0.998382	0	0	0	0	0	0
0.969356	0.984429	0	0	0	0	0	0
0.587487	0.560561	0	0	0	0	0	0
0.954032	0.990228	0	0	0	0	0	0

0.993495	0.990644	0	0	0	0	0	0
0.994347	0.977829	0	0	0	0	0	0
0.027533	0.119471	0	0	0	0	0	0
0.021072	0.049726	0	0	0	0	0	0
0.995115	0.992421	0	0	0	0	0	0
0.018612	0.036793	0	0	0	0	0	0
0.023547	0.028428	0	0	0	0	0	0
0.044584	0.146364	0	0	0	0	0	0
0.019295	0.035806	0	0	0	5	0	0
0.125526	0.129116	0	0	0	0	0	0
0.988601	0.977239	0	0	0	0	0	0
0.991134	0.987258	0	0	0	0	0	0
0.956334	0.848575	0.02	0	0	0	0	0
0.075869	0.057343	0	0	0	0	0	0
0.936544	0.941917	0	0	0	0	0	0
0.981503	0.993532	0	0	0	0	0	0
0.907529	0.955483	0	0	0	0	0	0
0.941982	0.953455	0	0	0	0	0	0
0.851482	0.94791	0	0	0	0	0	0
0.99344	0.9879	0	0	0	0	0	0
0.977037	0.973639	0	0	0	0	0	0
0.009384	0.07631	0	0	0	0	0	0
0.981362	0.97977	0	0	0	0	0	0
0.982745	0.974133	0	0	0	0	0	0
0.968485	0.976874	0	0	0	0	0	0
0.990127	0.984033	0	0	0	0	0	0
0.989845	0.978857	0	0	0	0	0	0
0.994468	0.936153	0	0	0	0	3	0
0.994343	0.989568	0	0	0	0	0	0
0.993931	0.982975	0	0	0	0	0	0
0.95056	0.927234	0	0	0	0	0	0
0.994532	0.995377	0	0	0	0	0	0
0.995693	0.997587	0	0	0	0	0	0
0.994712	0.982945	0	0	0	0	0	0
0.993327	0.986934	0	0	0	0	0	0
0.986721	0.984056	0	0	0	0	0	0
0.795988	0.893707	0	0	0	0	0	0
0.895554	0.937827	0	0	0	0	0	0
0.689957	0.26505	0.09	0	0	0	0	0
0.973641	0.898314	0	0	0	0	0	0
0.082028	0.238781	0	0	0	0	0	0
0.993459	0.573508	0.22	0	0	0	0	0
0.984381	0.929664	0	0	0	0	0	0
0.642723	0.539169	0	0	0	0	0	0
0.973429	0.971433	0	0	0	0	0	0
0.977976	0.964248	0	0	0	0	0	0
0.724159	0.662106	0	0	0	0	0	0

0.026361	0.038613	0	0	0	0	0	0
0.034579	0.049376	0	0	0	0	0	0
0.98538	0.961454	0	0	0	0	0	0
0.050955	0.302398	0	0	0	0	0	0
0.981028	0.911106	0	0	0	0	0	0
0.986785	0.900763	0	0	0	0	0	0
0.977124	0.787094	0.02	0	0	0	0	0
0.551288	0.553953	0	0	0	0	0	0
0.96819	0.957323	0	0	0	0	0	0
0.973352	0.963949	0	0	0	0	0	0
0.052327	0.054302	0	0	0	0	0	0
0.985549	0.982906	0	0	0	0	0	0
0.981851	0.966466	0	0	0	0	0	0
0.93734	0.801191	0	0	0	0	0	0
0.983735	0.928226	0	0	0	0	0	0
0.969728	0.983281	0	0	0	0	0	0
0.955885	0.955472	0	0	0	0	0	0
0.017866	0.017619	0	0	0	0	0	0
0.019253	0.01997	0	0	0	0	0	0
0.996731	0.935819	0.03	0	0	0	0	0
0.992115	0.98587	0	0	0	0	0	0
0.983154	0.955025	0	0	0	0	0	0
0.993408	0.959603	0	0	0	0	0	0
0.996364	0.995987	0	0	0	0	0	0
0.985311	0.987195	0	0	0	0	0	0
0.984084	0.98956	0	0	0	0	0	0
0.064225	0.034836	0	0	0	0	0	0
0.935948	0.954228	0	0	0	0	0	0
0.979779	0.986901	0	0	0	0	0	0
0.999503	0.999733	0	0	0	0	0	0
0.99925	0.98701	0	0	0	2	0	0
0.342931	0.029231	0.22	9	5	29	0	0
0.017834	0.012825	0	0	0	20	9	9
0.999723	0.998867	0	5	0	0	0	0
0.998716	0.928584	0.04	0	0	0	0	0
0.967838	0.894886	0	0	0	0	0	0
0.993483	0.938505	0	0	0	0	0	0
0.999326	0.998199	0	0	0	0	0	0
0.00542	0.005087	0	0	0	0	0	0
0.977096	0.939356	0	0	0	0	0	0
0.985064	0.972548	0	0	0	0	0	0
0.987783	0.945544	0	0	0	0	0	0
0.988765	0.987535	0	0	0	0	0	0
0.984741	0.976637	0	0	0	0	0	0
0.987119	0.977863	0	0	0	0	0	0
0.985181	0.823126	0	0	0	0	0	0
0.986017	0.986371	0	0	0	0	0	0

0.984592	0.960106	0	0	0	0	0	0
0.023046	0.01144	0	0	0	0	0	0
0.965301	0.899687	0	0	0	0	0	0
0.993613	0.98196	0	0	0	0	0	0
0.995856	0.993689	0	0	0	0	0	0
0.110333	0.100735	0	0	0	0	0	0
0.01066	0.005402	0	0	0	0	0	0
0.842778	0.375116	0.38	0	0	0	0	0
0.995303	0.985958	0	0	0	0	0	0
0.951659	0.946214	0	0	0	0	0	0
0.954227	0.913127	0	0	0	0	0	0
0.993726	0.947595	0.01	0	0	0	0	0
0.993612	0.995469	0	0	0	0	0	0
0.978313	0.664309	0.03	0	0	0	0	0
0.976502	0.956758	0	0	0	0	0	0
0.937126	0.967928	0	0	0	0	0	0
0.992607	0.994279	0	0	0	0	0	0
0.966288	0.98587	0	0	0	0	0	0
0.087651	0.133648	0	0	0	0	0	0
0.248495	0.165833	0	0	0	0	0	0
0.005651	0.011506	0	0	0	0	0	0
0.997799	0.996752	0	0	0	0	0	0
0.998262	0.992945	0	0	0	0	0	0
0.021581	0.099531	0	0	0	0	0	0
0.986938	0.982601	0	0	0	0	0	0
0.998348	0.998473	0	0	0	0	0	0
0.965665	0.701392	0.15	0	0	0	0	0
0.020301	0.013712	0	0	0	0	0	0
0.739435	0.847004	0	0	0	0	0	0
0.986847	0.897638	0.02	0	0	0	0	0
0.994407	0.984135	0	0	0	0	0	0
0.992982	0.992881	0	0	0	0	0	0
0.995156	0.995557	0	0	0	0	0	0
0.955084	0.850837	0	0	0	0	0	0
0.97685	0.921556	0	0	0	0	0	0
0.978074	0.962886	0	0	0	0	0	0
0.98023	0.971967	0	0	0	0	0	0
0.984389	0.976867	0	0	0	0	0	0
0.960488	0.857072	0	0	0	0	0	0
0.966921	0.893867	0	0	0	0	0	0
0.962173	0.876876	0	0	0	0	0	0
0.870802	0.516051	0.02	0	0	0	0	0
0.90582	0.800257	0	0	0	0	0	0
0.789711	0.793265	0	0	0	0	0	0
0.980806	0.929371	0	0	0	0	0	0
0.695334	0.58809	0	0	0	0	0	0
0.995766	0.996215	0	0	0	0	0	0

0.992668	0.996398	0	0	0	0	0	0
0.987925	0.99797	0	0	0	0	0	0
0.046055	0.047681	0	0	0	0	0	0
0.987057	0.957208	0	0	0	0	0	0
0.989597	0.986066	0	0	0	0	0	0
0.041363	0.05194	0	0	0	0	0	0
0.980805	0.946126	0	0	0	0	0	0
0.048189	0.027645	0	0	0	0	0	0
0.987242	0.988337	0	0	0	0	0	0
0.913197	0.950027	0	0	0	0	0	0
0.914294	0.885727	0	0	0	0	0	0
0.991949	0.992243	0	0	0	0	0	0
0.990636	0.992664	0	0	0	0	0	0
0.983615	0.889341	0.02	0	0	0	0	0
0.863738	0.985517	0.01	0	0	0	0	0
0.853254	0.990248	0.03	0	0	0	0	0
0.954194	0.961803	0	0	0	0	0	0
0.984354	0.983034	0	0	0	0	0	0
0.998024	0.995173	0	0	0	0	0	0
0.988044	0.922344	0.01	0	0	0	0	0
0.010976	0.062847	0	0	0	0	0	0
0.996388	0.992892	0	0	0	0	0	0
0.996843	0.991365	0	0	0	0	0	0
0.976959	0.907885	0	0	0	0	0	0
0.998493	0.990594	0	0	0	0	0	0
0.304993	0.288305	0	0	0	0	0	0
0.984592	0.143334	0.79	0	0	0	0	0
0.046133	0.032951	0	0	0	0	0	0
0.972516	0.984759	0	0	0	0	0	0
0.969092	0.9171	0	0	0	0	0	0
0.993919	0.994592	0	0	0	0	0	0
0.01147	0.012977	0	0	0	0	0	0
0.011874	0.032582	0	0	0	0	0	0
0.936996	0.947285	0	0	0	0	0	0
0.040644	0.046065	0	0	0	0	0	0
0.934766	0.926418	0	0	0	0	0	0
0.992296	0.99575	0	0	0	0	0	0
0.018627	0.020979	0	0	0	0	0	0
0.988548	0.964595	0	0	0	0	0	0
0.996042	0.96964	0	0	0	0	0	0
0.743074	0.68625	0	0	0	0	0	0
0.94179	0.873991	0	0	0	0	0	0
0.02532	0.027752	0	0	0	0	0	0
0.007664	0.015308	0	0	0	0	0	0
0.061525	0.095049	0	0	0	0	0	0
0.989695	0.941602	0	0	0	0	0	0
0.990418	0.952697	0	0	0	0	0	0

0.98976	0.979874	0	0	0	0	0	0
0.982289	0.93049	0	0	0	0	0	0
0.025817	0.050388	0	0	0	0	0	0
0.987864	0.938521	0	0	0	0	0	0
0.987558	0.93614	0	0	0	0	0	0
0.976636	0.961179	0	0	0	0	0	0
0.92854	0.529466	0.16	0	0	0	0	0
0.98324	0.869895	0	0	0	0	0	0
0.864138	0.807547	0	0	0	0	0	0
0.046578	0.244573	0	0	0	0	0	0
0.973371	0.95344	0	0	0	0	0	0
0.984034	0.960324	0	0	0	0	0	0
0.986618	0.839717	0	0	0	0	0	0
0.1413	0.143743	0	0	0	0	0	0
0.987477	0.985303	0	0	0	0	0	0
0.954493	0.899042	0	0	0	0	0	0
0.74349	0.625869	0	0	0	0	0	0
0.979384	0.990404	0	0	0	0	0	0
0.227075	0.251134	0	0	0	0	0	0
0.008378	0.067207	0.03	0	0	0	0	0
0.983085	0.982962	0	0	0	0	0	0
0.919767	0.78761	0	0	0	0	0	0
0.37653	0.23157	0	0	0	0	0	0
0.947796	0.900113	0	0	0	0	0	0
0.091692	0.057908	0	0	0	0	0	0
0.964103	0.949069	0	0	0	0	0	0
0.977582	0.958812	0	0	0	0	0	0
0.970794	0.943662	0	0	0	0	0	0
0.072609	0.074216	0	0	0	0	0	0
0.835617	0.772419	0	0	0	0	0	0
0.981107	0.973954	0	0	0	0	0	0
0.922962	0.423895	0.21	0	0	0	0	0
0.978737	0.92452	0	0	0	0	0	0
0.974167	0.943408	0	0	0	0	0	0
0.970356	0.946781	0	0	0	0	0	0
0.996094	0.995639	0	0	0	0	0	0
0.997868	0.995289	0	0	0	0	0	0
0.996342	0.996457	0	0	0	0	0	0
0.958374	0.953583	0	0	0	0	0	0
0.990785	0.989956	0	0	0	0	0	0
0.989787	0.793869	0.09	0	0	0	0	0
0.983878	0.895241	0	0	0	0	0	0
0.986052	0.979238	0	0	0	0	0	0
0.18556	0.260933	0	0	0	0	0	0
0.495757	0.607825	0	0	0	0	0	0
0.906523	0.906567	0	0	0	0	0	0
0.908127	0.914511	0	0	0	0	0	0

0.914598	0.934842	0	0	0	0	0	0
0.992843	0.974499	0	0	0	0	0	0
0.988072	0.960997	0	0	0	0	0	0
0.933064	0.821142	0	0	0	0	0	0
0.011834	0.033227	0	0	0	0	0	0
0.980888	0.965254	0	0	0	0	0	0
0.983757	0.983312	0	0	0	0	0	0
0.995575	0.993578	0	0	0	0	0	0
0.01314	0.012789	0	0	0	0	0	0
0.988096	0.972772	0	0	0	0	0	0
0.03884	0.023997	0	0	0	0	0	0
0.961972	0.943196	0	0	0	0	0	0
0.966905	0.979851	0	0	0	0	0	0
0.991789	0.966043	0	0	0	0	0	0
0.995269	0.987797	0	0	0	0	0	0
0.995166	0.977468	0	0	0	0	0	0
0.016752	0.031156	0	0	0	0	0	0
0.41805	0.128743	0.16	0	0	0	0	0
0.84846	0.553361	0.19	0	0	0	0	0
0.945162	0.979194	0	0	0	0	0	0
0.946673	0.956129	0	0	0	0	0	0
0.929286	0.962967	0	0	0	0	0	0
0.93719	0.984268	0	0	0	0	0	0
0.938582	0.983288	0	0	0	0	0	0
0.940667	0.979466	0	0	0	0	0	0
0.918428	0.951457	0	0	0	0	0	0
0.964586	0.965223	0	0	0	0	0	0
0.971964	0.974968	0	0	0	0	0	0
0.971129	0.954667	0	0	0	0	0	0
0.960996	0.937016	0	0	0	0	0	0
0.98356	0.774642	0.05	0	0	0	0	0
0.986608	0.943177	0	0	0	0	0	0
0.986272	0.946817	0	0	0	0	0	0
0.988955	0.969333	0	0	0	0	0	0
0.988579	0.976062	0	0	0	0	0	0
0.984431	0.965684	0	0	0	0	0	0
0.023122	0.038479	0	0	0	0	0	0
0.99179	0.9768	0	0	0	0	0	0
0.977969	0.963698	0	0	0	0	0	0
0.989683	0.983792	0	0	0	0	0	0
0.993627	0.987833	0	0	0	0	0	0
0.993775	0.989617	0	0	0	0	0	0
0.257524	0.300539	0	0	0	0	0	0
0.983405	0.980918	0	0	0	0	0	0
0.863644	0.889024	0	0	0	0	0	0
0.987261	0.98912	0	0	0	0	0	0
0.980275	0.978265	0	0	0	0	0	0

0.015583	0.010026	0	0	0	0	0	0
0.974806	0.811001	0.06	0	0	0	0	0
0.910108	0.876845	0	0	0	0	0	0
0.065751	0.22499	0	0	0	0	0	0
0.990534	0.966617	0	0	0	0	0	0
0.989405	0.991193	0	0	1	0	0	0
0.991146	0.993755	0	0	0	0	0	0
0.98793	0.9833	0	0	0	0	0	0
0.99329	0.99585	0	0	0	0	0	0
0.996811	0.988855	0	0	0	0	0	0
0.992959	0.993654	0	0	0	0	0	0
0.992935	0.988708	0	0	0	0	0	0
0.973951	0.966959	0	0	0	0	0	0
0.297365	0.211419	0	0	0	0	0	0
0.998552	0.996137	0	0	0	0	0	0
0.997503	0.998141	0	0	0	0	0	0
0.995874	0.992621	0	0	0	0	0	0
0.998697	0.998263	0	0	0	0	0	0
0.998484	0.998902	0	0	0	0	0	0
0.986801	0.946766	0	0	0	0	0	0
0.271976	0.166509	0.01	0	0	0	0	0
0.901922	0.378293	0.4	0	0	0	0	0
0.998014	0.99436	0	0	0	0	0	0
0.994817	0.973201	0	0	0	0	0	0
0.991247	0.978697	0	0	0	0	0	0
0.01165	0.017971	0	0	0	0	0	0
0.392672	0.326462	0	0	0	0	0	0
0.043522	0.085001	0	0	0	0	0	0
0.997751	0.998217	0	0	0	0	0	0
0.999053	0.956706	0.02	0	0	0	0	0
0.003236	0.012016	0	0	0	0	0	0
0.983097	0.991299	0	0	0	0	0	0
0.913915	0.969749	0	0	0	0	0	0
0.973722	0.982816	0	0	0	0	0	0
0.97297	0.99068	0	0	0	0	0	0
0.989288	0.993936	0	0	0	0	0	0
0.998718	0.992747	0	0	0	0	0	0
0.99832	0.993957	0	0	0	0	0	0
0.007135	0.004947	0	0	0	0	0	0
0.033486	0.041863	0	0	0	0	0	0
0.012434	0.006993	0	0	0	0	0	0
0.950025	0.961936	0	0	0	0	0	0
0.045274	0.067238	0	0	0	0	0	0
0.829133	0.972759	0	0	0	0	0	0
0.965663	0.988171	0	0	0	0	0	0
0.52666	0.917276	0.11	0	0	0	0	0
0.541124	0.899645	0.09	0	0	0	0	0

0.696049	0.940872	0.02	0	0	0	0	0
0.936835	0.921669	0	0	0	0	0	0
0.996381	0.995982	0	0	2	0	0	0
0.973997	0.987664	0	0	0	0	0	0
0.97041	0.989084	0	0	0	0	0	0
0.932095	0.941454	0	0	0	0	0	0
0.972014	0.911192	0	0	0	0	0	0
0.983785	0.981702	0	0	0	0	0	0
0.983687	0.984026	0	0	0	0	0	0
0.985822	0.988282	0	0	0	0	0	0
0.041887	0.042516	0	0	0	0	0	0
0.966078	0.946188	0	0	0	0	0	0
0.96977	0.966041	0	0	0	0	0	0
0.960262	0.906717	0	0	0	0	0	0
0.965059	0.935512	0	0	0	0	0	0
0.98909	0.976961	0	0	0	0	0	0
0.98136	0.957523	0	0	0	0	0	0
0.999665	0.999217	0	0	0	0	0	0
0.999535	0.999547	0	0	0	0	0	0
0.999119	0.999244	0	0	0	0	0	0
0.997951	0.951503	0.01	0	0	0	0	0
0.99821	0.959408	0.01	0	0	0	0	0
0.998266	0.99903	0	0	0	0	0	0
0.989637	0.965509	0	0	0	0	0	0
0.996148	0.993929	0	0	0	0	0	0
0.996683	0.99925	0	0	0	0	0	0
0.982383	0.981895	0	0	0	0	0	0
0.944913	0.961578	0	0	0	0	0	0
0.951344	0.950498	0	0	0	0	0	0
0.958432	0.929719	0	0	0	0	0	0
0.002731	0.003458	0	0	0	0	0	0
0.94117	0.971247	0.01	0	0	0	0	0
0.987339	0.978577	0	0	0	0	0	0
0.073706	0.111708	0	0	0	0	0	0
0.99581	0.997056	0	0	0	0	0	0
0.99479	0.995164	0	0	0	0	0	0
0.989555	0.995878	0	0	0	0	0	0
0.994255	0.991296	0	0	0	0	0	0
0.012896	0.014443	0	0	0	0	0	0
0.927292	0.896628	0	0	0	0	0	0
0.982586	0.987545	0	0	0	0	0	0
0.029657	0.067057	0	0	0	0	0	0
0.984623	0.982829	0	0	0	0	0	0
0.017671	0.009433	0	0	0	0	0	0
0.983285	0.986083	0	0	0	0	0	0
0.02904	0.034806	0	0	0	0	0	0
0.987067	0.986606	0	0	0	0	0	0

0.988926	0.971275	0	0	0	0	0	0
0.987461	0.959658	0	0	0	0	0	0
0.990262	0.966082	0	0	0	0	0	0
0.976448	0.964814	0	0	0	0	0	0
0.990222	0.986807	0	0	0	0	0	0
0.035312	0.064252	0	0	0	0	0	0
0.959264	0.977201	0	0	0	0	0	0
0.946279	0.900312	0	0	0	0	0	0
0.96283	0.980539	0	0	0	0	0	0
0.815684	0.8762	0	0	0	0	0	0
0.014159	0.007643	0	0	0	0	0	0
0.995983	0.996145	0	0	0	0	0	0
0.006075	0.043019	0	0	0	0	0	0
0.996427	0.98354	0	0	0	0	0	0
0.995905	0.99717	0	0	0	0	0	0
0.996845	0.996003	0	0	0	0	0	0
0.966045	0.991034	0	0	0	0	0	0
0.949617	0.952911	0	0	0	0	0	0
0.963193	0.964459	0	0	0	0	0	0
0.991638	0.981838	0	0	0	0	0	0
0.992615	0.993948	0	0	0	0	0	0
0.031269	0.037359	0	0	0	0	0	0
0.987051	0.984795	0	0	0	0	0	0
0.98717	0.989768	0	0	0	0	0	0
0.138674	0.387951	0	0	0	0	0	0
0.142657	0.419937	0.02	0	0	0	0	0
0.509053	0.686326	0	0	0	0	0	0
0.476255	0.684833	0	0	0	0	0	0
0.043688	0.038638	0	0	0	0	0	0
0.991056	0.988844	0	0	0	0	0	0
0.991488	0.990028	0	0	0	0	0	0
0.993461	0.993027	0	0	0	0	0	0
0.994723	0.994711	0	0	0	0	0	0
0.99557	0.996676	0	0	0	0	0	0
0.994949	0.972016	0	0	0	0	0	0
0.104137	0.075286	0	0	0	0	0	0
0.922156	0.716426	0.08	0	0	0	0	0
0.97524	0.987576	0	0	0	0	0	0
0.941806	0.995311	0.01	0	0	0	0	0
0.995286	0.99605	0	0	0	0	0	0
0.994846	0.995834	0	0	0	0	0	0
0.010655	0.012473	0	0	0	0	0	0
0.991334	0.991416	0	0	0	0	0	0
0.990106	0.986048	0	0	0	0	0	0
0.993427	0.98995	0	0	0	0	0	0
0.989838	0.994835	0	0	0	0	0	0
0.979796	0.993711	0	0	0	0	0	0

0.01055	0.011155	0	0	0	0	0	0
0.030663	0.11229	0	0	0	0	0	0
0.021866	0.019296	0	0	0	0	0	0
0.241077	0.76721	0.42	0	0	0	0	0
0.995827	0.977938	0	0	0	0	0	0
0.995708	0.980925	0	0	0	0	0	0
0.995538	0.990874	0	0	0	0	0	0
0.005609	0.038875	0	0	0	0	0	0
0.952761	0.906569	0	0	0	0	0	0
0.994364	0.967006	0	0	0	0	0	0
0.763239	0.879598	0	0	0	0	0	0
0.98244	0.958617	0	0	0	0	0	0
0.872036	0.938999	0	0	0	0	0	0
0.424324	0.522962	0	0	0	0	0	0
0.025247	0.032951	0	0	0	0	0	0
0.024566	0.058446	0	0	0	0	0	0
0.975012	0.948089	0	0	0	0	0	0
0.147847	0.096624	0	0	0	0	0	0
0.988779	0.961867	0	0	0	0	0	0
0.989418	0.974747	0	0	0	0	0	0
0.991135	0.969831	0	0	0	0	0	0
0.990914	0.973956	0	0	0	0	0	0
0.035728	0.071434	0	0	0	0	0	0
0.985198	0.989109	0	0	0	0	0	0
0.985439	0.993469	0	0	0	0	0	0
0.027459	0.016169	0	0	0	0	0	0
0.02382	0.028287	0	0	0	0	0	0
0.985624	0.974587	0	0	0	0	0	0
0.986863	0.990534	0	0	0	0	0	0
0.987784	0.993086	0	0	0	0	0	0
0.986066	0.992946	0	0	0	0	0	0
0.981805	0.98426	0	0	0	0	0	0
0.985919	0.973128	0	0	0	0	0	0
0.979874	0.991863	0	0	0	0	0	0
0.982969	0.97853	0	0	0	0	0	0
0.974328	0.985779	0	0	0	0	0	0
0.962311	0.988485	0	0	0	0	0	0
0.989216	0.990811	0	0	0	0	0	0
0.266122	0.615627	0	0	0	0	0	0
0.963262	0.933038	0	0	0	0	0	0
0.146446	0.448031	0.07	0	0	0	0	0
0.996917	0.986333	0	0	0	0	0	0
0.997147	0.985595	0	0	0	0	0	0
0.99288	0.979175	0	0	0	0	0	0
0.978771	0.961898	0	0	0	0	6	6
0.982783	0.953302	0	0	0	0	0	0
0.979708	0.985705	0	0	0	0	0	0

0.004343	0.007534	0	0	0	0	0	0
0.998296	0.995183	0	0	0	0	0	0
0.003455	0.006259	0	0	0	0	0	0
0.540009	0.384705	0	0	0	0	0	0
0.913006	0.967291	0	0	0	0	0	0
0.98997	0.982291	0	0	0	0	0	0
0.993152	0.988866	0	0	0	0	0	0
0.189314	0.390533	0.01	0	0	0	0	0
0.034972	0.110861	0	0	0	0	0	0
0.55763	0.664123	0	0	0	0	0	0
0.646211	0.678912	0	0	0	0	0	0
0.666158	0.761073	0	0	0	0	0	0
0.989562	0.978469	0	0	0	0	0	0
0.99662	0.969122	0	0	0	0	0	0
0.977187	0.960276	0	0	0	0	0	0
0.774686	0.880811	0.02	0	0	0	0	0
0.055011	0.039644	0	0	0	0	0	0
0.061004	0.034155	0	0	0	0	0	0
0.979723	0.986971	0	0	0	0	0	0
0.04769	0.025629	0	0	0	0	0	0
0.967497	0.967631	0	0	0	0	0	0
0.973487	0.983293	0	0	0	0	0	0
0.981198	0.986573	0	0	0	0	0	0
0.988001	0.991463	0	0	0	0	0	0
0.980044	0.991912	0	0	0	0	0	0
0.958168	0.986559	0	0	0	0	0	0
0.975087	0.989245	0	0	0	0	0	0
0.980712	0.991772	0	0	0	0	0	0
0.049442	0.052059	0	0	0	0	0	0
0.937912	0.92619	0	0	0	0	0	0
0.98364	0.982966	0	0	0	0	0	0
0.042453	0.011083	0	0	0	0	0	0
0.987845	0.997693	0	0	0	0	0	0
0.976032	0.995385	0	0	0	0	0	0
0.974941	0.942262	0	0	0	0	0	0
0.974363	0.865386	0	0	0	0	0	0
0.964053	0.988692	0	0	0	0	0	0
0.957492	0.995482	0	0	0	0	0	0
0.948571	0.967127	0	0	0	0	0	0
0.994907	0.992935	0	0	0	0	0	0
0.98102	0.991251	0	0	0	0	0	0
0.983361	0.991542	0	0	0	0	0	0
0.010784	0.045181	0	0	0	0	0	0
0.990121	0.992841	0	0	0	0	0	0
0.982787	0.986892	0	0	0	0	0	0
0.983354	0.987763	0	0	0	0	0	0
0.036092	0.023283	0	0	0	0	0	0

0.975926	0.99544	0	0	0	0	0	0
0.907077	0.981787	0	0	0	0	0	0
0.977665	0.976817	0	0	0	0	0	0
0.03468	0.018335	0	0	0	0	0	0
0.012958	0.010389	0	0	0	0	0	0
0.994009	0.995115	0	0	0	0	0	0
0.031001	0.039207	0	0	0	0	0	0
0.992243	0.99748	0	0	0	0	0	0
0.043874	0.061998	0	0	0	0	0	0
0.677233	0.101118	0.29	0	0	0	0	0
0.991931	0.954531	0	0	0	0	0	0
0.987027	0.949743	0	0	0	0	0	0
0.988828	0.948369	0	0	0	0	0	0
0.987587	0.961824	0	0	0	0	0	0
0.866984	0.351219	0.38	0	0	0	0	0
0.997545	0.995993	0	0	0	0	0	0
0.043949	0.015423	0	0	0	0	0	0
0.969104	0.973305	0	0	0	0	0	0
0.994672	0.958571	0.01	0	0	0	0	0
0.997429	0.996384	0	0	0	0	0	0
0.993743	0.984674	0	0	0	0	0	0
0.965472	0.965342	0	0	0	0	0	0
0.009443	0.015292	0	0	0	0	0	0
0.986128	0.987646	0	0	0	0	0	0
0.970402	0.958069	0	0	0	0	0	0
0.964566	0.947081	0	0	0	0	0	0
0.957624	0.94777	0	0	0	0	0	0
0.94157	0.963434	0	0	0	0	0	0
0.056886	0.056821	0	0	0	0	0	0
0.967534	0.917117	0	0	0	0	0	0
0.958549	0.935856	0	0	0	0	0	0
0.948666	0.951952	0	0	0	0	0	0
0.956585	0.94252	0	0	0	0	0	0
0.994627	0.989141	0	0	0	0	0	0
0.991985	0.92133	0	0	0	0	0	0
0.994446	0.993359	0	0	0	0	0	0
0.015492	0.018051	0	0	0	0	0	0
0.995192	0.995338	0	0	0	0	0	0
0.977145	0.596838	0.05	0	0	0	0	0
0.990277	0.990437	0	0	0	0	0	0
0.984237	0.978985	0	0	0	0	0	0
0.993994	0.976956	0	0	0	0	0	0
0.986248	0.963523	0	0	0	0	0	0
0.989766	0.976932	0	0	0	0	0	0
0.991781	0.982434	0	0	0	0	0	0
0.9545	0.953639	0	0	0	0	0	0
0.051705	0.060256	0	0	0	0	0	0

0.238154	0.286253	0	0	0	0	0	0
0.964669	0.968105	0	0	0	0	0	0
0.954543	0.945919	0	0	0	0	0	0
0.936476	0.947864	0	0	5	0	0	0
0.986724	0.994746	0	0	0	0	0	0
0.989277	0.981587	0	0	0	0	0	0
0.058306	0.065936	0	0	0	0	0	0
0.941989	0.958014	0	0	0	0	0	0
0.944522	0.959878	0	0	0	0	0	0
0.962885	0.942409	0	0	0	0	0	0
0.983182	0.972726	0	0	0	0	0	0
0.030579	0.036537	0	0	3	0	0	0
0.9736	0.925806	0	0	0	0	0	0
0.981316	0.938101	0	0	0	0	0	0
0.985452	0.968818	0	0	0	0	0	0
0.937125	0.940204	0	0	0	0	0	0
0.0386	0.105847	0	0	0	0	0	0
0.038056	0.078307	0	0	0	0	0	0
0.028298	0.061663	0	0	0	0	0	0
0.986237	0.95332	0	0	0	0	0	0
0.988333	0.976664	0	0	0	0	0	0
0.986762	0.985576	0	0	0	0	0	0
0.987076	0.991622	0	0	0	0	0	0
0.034202	0.014839	0	0	0	0	0	0
0.776727	0.810828	0	0	0	0	0	0
0.396295	0.475504	0	0	0	0	0	0
0.21476	0.066645	0.02	0	0	0	0	0
0.982919	0.972313	0	0	0	0	0	0
0.975349	0.977383	0	0	0	0	0	0
0.984172	0.970453	0	0	0	0	0	0
0.980131	0.976483	0	0	0	0	0	0
0.988501	0.983144	0	0	0	0	0	0
0.984355	0.94906	0	0	0	0	0	0
0.926516	0.970074	0	0	0	0	0	0
0.061237	0.171572	0	0	0	0	0	0
0.940251	0.966612	0	0	0	0	0	0
0.987361	0.95804	0	0	0	0	0	0
0.842784	0.910078	0	0	0	0	0	0
0.968514	0.916259	0	0	0	0	0	0
0.972255	0.948519	0	0	0	0	0	0
0.953727	0.949352	0	0	0	0	0	0
0.943225	0.958428	0	0	0	0	0	0
0.923279	0.963325	0	0	0	0	0	0
0.955554	0.951866	0	0	0	0	0	0
0.948558	0.959889	0	0	13	0	0	0
0.999539	0.909625	0.07	11	10	0	0	0
0.506899	0.514918	0	0	0	0	0	0

0.981839	0.524484	0.34	1	5	16	32	0
0.163734	0.319197	0	0	68	97	41	27
0.061148	0.151123	0	0	68	60	12	12
0.05409	0.140692	0	0	68	51	19	0
0.053193	0.097259	0	0	68	51	32	0
0.0576	0.089906	0	0	68	56	20	6
0.056207	0.04452	0	0	68	48	2	0
0.048413	0.033355	0	0	68	25	0	16
0.06519	0.035309	0	0	68	38	17	0
0.062304	0.075761	0	0	68	23	0	6
0.053303	0.079501	0	0	68	36	12	0
0.04691	0.065183	0	0	68	34	9	7
0.076967	0.088226	0	0	68	12	6	7
0.085504	0.110934	0	0	68	49	2	12
0.125933	0.269386	0	0	68	94	14	14
0.086294	0.228065	0	0	68	66	1	1
0.098189	0.225566	0	0	68	18	0	16
0.125801	0.29741	0	0	68	53	27	12
0.18245	0.330592	0	0	68	42	5	18
0.186169	0.365372	0	0	68	50	13	0
0.106494	0.429194	0.08	0	68	11	20	17
0.085486	0.48252	0.15	0	68	47	17	19
0.090803	0.240483	0	0	68	34	0	11
0.098988	0.098006	0	0	68	51	1	15
0.142867	0.195357	0	0	68	10	13	25
0.075427	0.198918	0	0	68	39	0	3
0.096872	0.222167	0	0	68	31	12	4
0.096008	0.265527	0	0	68	31	1	10
0.067233	0.189284	0	0	68	25	4	0
0.064487	0.15384	0	0	68	27	0	0
0.077491	0.254035	0	0	68	12	0	1
0.073267	0.202146	0	0	68	12	0	0
0.061057	0.185338	0	0	68	1	0	0
0.130587	0.377435	0	0	68	14	0	0
0.060717	0.106656	0	0	68	8	9	2
0.670961	0.69893	0	0	68	30	0	0
0.71214	0.701927	0	0	68	9	0	0
0.700685	0.708677	0	0	68	0	12	0
0.680277	0.732847	0	0	68	15	0	3
0.679519	0.722893	0	0	68	0	1	0
0.66148	0.699036	0	0	68	0	0	0
0.725178	0.790075	0	0	68	0	0	0
0.736086	0.816186	0	0	68	5	0	9
0.742228	0.749321	0	0	68	9	20	11
0.762219	0.806155	0	0	68	13	0	0
0.05449	0.098513	0	0	68	35	6	0
0.748734	0.791956	0	0	68	8	0	0

0.779566	0.827256	0	0	68	0	0	0
0.784009	0.856389	0	0	68	0	0	0
0.760253	0.834915	0	0	68	0	0	0
0.775338	0.853574	0	0	68	0	0	0
0.789421	0.866591	0	0	68	0	0	0
0.811644	0.877793	0	0	68	0	0	0
0.816871	0.906796	0	0	68	2	0	0
0.797036	0.901277	0	0	68	0	10	0
0.795319	0.895366	0	0	68	0	0	0
0.048216	0.067047	0	0	68	15	0	8
0.72855	0.873435	0	0	68	0	0	0
0.710812	0.878491	0	0	68	0	0	0
0.757656	0.883957	0	0	68	6	7	7
0.716133	0.871333	0	0	68	0	0	0
0.744962	0.887407	0	0	68	0	2	2
0.809446	0.917728	0	0	68	0	10	0
0.804201	0.907818	0	0	68	0	1	1
0.604916	0.884288	0.05	1	0	0	0	0
0.268172	0.831344	0.25	0	0	0	17	17
0.130303	0.546765	0.11	0	68	5	8	8
0.085924	0.074128	0	0	68	56	3	0
0.154046	0.577831	0.12	0	68	6	0	0
0.16857	0.609261	0.14	0	68	3	0	0
0.054651	0.532394	0.18	0	68	2	0	0
0.534027	0.841807	0	0	68	9	0	0
0.056935	0.069382	0	0	19	19	17	17
0.067899	0.057119	0	14	24	24	0	0
0.057208	0.06534	0	0	8	8	0	0
0.051122	0.046317	0	0	0	0	0	0
0.059014	0.307133	0.03	0	5	30	0	0
0.060135	0.316248	0.03	0	0	0	0	0
0.098236	0.060939	0	0	68	47	10	7
0.057741	0.282613	0	0	25	25	9	9
0.061034	0.143654	0	9	34	34	3	3
0.048897	0.135018	0	2	19	19	0	0
0.056603	0.025992	0	0	13	8	0	0
0.048308	0.03028	0	0	0	0	0	0
0.415555	0.74945	0	0	68	8	0	0
0.432324	0.828719	0.05	0	68	33	7	0
0.330643	0.793105	0.23	0	68	4	0	0
0.089963	0.160878	0	0	7	7	0	0
0.070802	0.109923	0	0	33	33	0	0
0.06438	0.055498	0	0	68	58	25	10
0.062975	0.079927	0	0	39	12	0	0
0.067229	0.101838	0	0	4	4	0	0
0.059875	0.157839	0	0	36	36	0	0
0.062053	0.175866	0	0	25	25	0	0

0.100986	0.59645	0.23	0	42	46	1	1
0.928157	0.535652	0.25	2	0	22	12	17
0.370092	0.246324	0	2	0	17	14	14
0.867051	0.465183	0.13	2	0	6	0	0
0.026188	0.014503	0	0	0	0	0	0
0.979996	0.975145	0	0	0	0	0	0
0.978659	0.950147	0	0	0	0	0	0
0.9333	0.914406	0	0	0	0	0	0
0.050629	0.052238	0	0	0	0	0	0
0.977785	0.957418	0	0	0	0	0	0
0.97834	0.972175	0	0	0	0	0	0
0.975321	0.979431	0	0	0	0	0	0
0.971871	0.971354	0	0	0	0	0	0
0.056822	0.176414	0	0	0	0	0	0
0.999265	0.984591	0	0	0	0	0	0
0.994233	0.993493	0	0	0	0	0	0
0.989711	0.992925	0	0	0	0	0	0
0.05175	0.017718	0	0	0	0	0	0
0.975266	0.984794	0	0	0	0	0	0
0.296264	0.141838	0	0	0	0	0	0
0.989171	0.758562	0.15	0	0	0	0	0
0.994745	0.971844	0	0	0	0	0	0
0.00604	0.00644	0	0	0	0	0	0
0.994509	0.997785	0	0	0	0	0	0
0.9925	0.997234	0	0	0	0	0	0
0.990566	0.927152	0.02	0	0	0	0	0
0.957485	0.991356	0	0	0	0	0	0
0.122015	0.026784	0	0	0	0	0	0
0.033555	0.294749	0	0	0	0	0	0
0.987285	0.979654	0	0	0	0	0	0
0.99537	0.996152	0	0	0	0	0	0
0.981499	0.708472	0.13	0	0	0	0	0
0.993035	0.990487	0	0	0	0	0	0
0.940061	0.971499	0	0	0	0	0	0
0.988824	0.978054	0	0	0	0	0	0
0.029547	0.046493	0	0	0	0	0	0
0.98826	0.987183	0	0	0	0	0	0
0.985767	0.926636	0	0	0	0	0	0
0.958663	0.980998	0	0	0	0	0	0
0.987592	0.98049	0	0	0	0	0	0
0.989131	0.976508	0	0	0	0	0	0
0.984845	0.979591	0	0	0	0	0	0
0.979078	0.939245	0	0	0	0	0	0
0.986749	0.926105	0	0	0	0	0	0
0.064434	0.056495	0	0	0	0	0	0
0.986433	0.978175	0	0	0	0	0	0
0.975546	0.953633	0	0	0	0	0	0

0.046109	0.090735	0	0	0	0	0	0
0.84722	0.954635	0	0	0	0	0	0
0.950164	0.889689	0	0	0	0	0	0
0.985976	0.900278	0	0	0	0	0	0
0.978578	0.96851	0	0	0	0	0	0
0.980104	0.935855	0	0	0	0	0	0
0.049867	0.111092	0	0	0	0	0	0
0.10959	0.087084	0	0	0	0	0	0
0.975831	0.976462	0	0	0	0	0	0
0.023021	0.039967	0	0	0	0	0	0
0.329686	0.80904	0.25	0	0	0	0	0
0.542897	0.739397	0	0	0	0	0	0
0.985337	0.984495	0	0	0	0	0	0
0.985781	0.985785	0	0	0	0	0	0
0.993262	0.987628	0	0	0	0	0	0
0.966539	0.914602	0	0	0	0	0	0
0.992904	0.911313	0.03	0	0	0	0	0
0.990893	0.680787	0.22	0	0	0	0	0
0.924857	0.928035	0	0	0	0	0	0
0.884262	0.959048	0	0	0	0	0	0
0.988366	0.93414	0	0	0	0	0	0
0.032842	0.038682	0	0	0	0	0	0
0.98312	0.940091	0	0	0	0	0	0
0.98281	0.892823	0.01	0	0	0	0	0
0.979656	0.880082	0	0	0	0	0	0
0.964906	0.982764	0	0	0	0	0	0
0.051551	0.025311	0	0	0	0	0	0
0.999355	0.99834	0	0	0	0	0	0
0.998554	0.966495	0.01	0	0	0	0	0
0.976986	0.980209	0	0	0	0	0	0
0.941168	0.919894	0	0	0	0	6	0
0.966332	0.980457	0.01	0	0	0	0	0
0.995757	0.994861	0	0	0	0	0	0
0.983519	0.988951	0	0	0	0	0	0
0.992548	0.851134	0.07	0	0	0	0	0
0.90308	0.952279	0	0	0	0	0	0
0.902216	0.897294	0	0	0	0	0	0
0.967142	0.974288	0	0	4	0	0	0
0.690241	0.71582	0	0	0	0	0	0
0.01494	0.020793	0	0	0	0	0	0
0.998206	0.997922	0	0	0	0	0	0
0.052175	0.085015	0	0	0	0	0	0
0.988909	0.980434	0	0	0	0	0	0
0.993336	0.969645	0	0	0	0	0	0
0.992514	0.970545	0	0	0	0	0	0
0.99092	0.964833	0	0	0	0	0	0
0.962409	0.966522	0	0	0	0	0	0

0.031854	0.05056	0	0	0	0	0	0
0.038351	0.039272	0	0	0	0	0	0
0.04687	0.040628	0	0	0	0	0	0
0.996508	0.997958	0	0	0	0	0	0
0.996584	0.996522	0	0	0	0	0	0
0.996261	0.995636	0	0	0	0	3	0
0.94078	0.698095	0	0	0	0	0	0
0.001748	0.041571	0.02	0	0	0	0	0
0.999146	0.999733	0	0	0	0	0	0
0.003065	0.004321	0	0	0	0	0	0
0.97148	0.935876	0	0	0	0	0	0
0.868817	0.837286	0	0	0	0	0	0
0.008576	0.018179	0	0	0	0	0	0
0.967907	0.907875	0.02	6	1	0	0	0
0.020437	0.006368	0	0	0	0	0	0
0.995783	0.998056	0	0	0	0	0	0
0.981439	0.993062	0	0	0	0	0	0
0.989597	0.996547	0	0	0	0	0	0
0.993192	0.997067	0	0	0	0	0	0
0.992794	0.997886	0	0	0	0	0	0
0.951055	0.942333	0	0	0	0	0	0
0.987702	0.977197	0	0	0	0	0	0
0.992591	0.985806	0	0	0	0	0	0
0.994977	0.994485	0	0	0	0	0	0
0.994142	0.983303	0	0	0	0	0	0
0.996558	0.994289	0	0	0	0	0	0
0.981358	0.991414	0	0	0	0	0	0
0.025792	0.045149	0	0	0	0	0	0
0.988045	0.940854	0	0	0	0	0	0
0.989204	0.979737	0	0	0	0	0	0
0.935636	0.924835	0	0	0	0	0	0
0.98356	0.977813	0	0	0	0	0	0
0.963036	0.814317	0.02	0	0	0	0	0
0.981583	0.87466	0	0	0	0	0	0
0.972492	0.973844	0	0	0	0	0	0
0.965991	0.961128	0	0	0	0	0	0
0.988222	0.977952	0	0	0	0	0	0
0.960771	0.949118	0	0	0	0	0	0
0.994122	0.994857	0	0	0	0	0	0
0.993509	0.949277	0	0	0	0	0	0
0.996764	0.990047	0	0	0	0	0	0
0.870684	0.901214	0	0	0	0	0	0
0.979062	0.991608	0	0	0	0	0	0
0.985631	0.994056	0	0	0	0	0	0
0.968258	0.975169	0	0	0	0	0	0
0.98744	0.994644	0	0	0	0	0	0
0.953894	0.950795	0	0	0	0	0	0

0.914885	0.853783	0	0	0	0	0	0
0.903017	0.350305	0.31	0	0	0	4	4
0.840112	0.502544	0.15	3	0	1	0	0
0.143416	0.390196	0.06	3	0	2	4	4
0.996745	0.868122	0.07	0	0	0	0	0
0.985144	0.720769	0.14	0	0	0	0	0
0.010838	0.012421	0	0	0	1	2	0
0.969324	0.935665	0	0	0	0	0	0
0.014133	0.031423	0	0	0	0	0	0
0.995275	0.987758	0	0	0	0	0	0
0.99577	0.966604	0	0	0	0	0	0
0.989264	0.989474	0	0	0	0	0	0
0.953303	0.866009	0.02	0	0	0	0	0
0.853791	0.758831	0	0	0	0	0	0
0.984745	0.99223	0	0	0	0	0	0
0.980722	0.979197	0	0	0	0	0	0
0.070289	0.165967	0	0	0	0	0	0
0.998604	0.99639	0	0	0	0	0	0
0.99283	0.996816	0	0	0	0	0	0
0.994783	0.997367	0	0	0	0	0	0
0.995719	0.98403	0	0	0	0	0	0
0.99081	0.99611	0	0	0	0	0	0
0.992628	0.990878	0	0	0	0	0	0
0.025154	0.036822	0	0	0	0	0	0
0.990978	0.997112	0	0	0	0	0	0
0.998002	0.998666	0	0	0	0	0	0
0.015992	0.011661	0	0	0	0	0	0
0.775944	0.835535	0	0	0	0	0	0
0.998561	0.995193	0	0	0	0	0	0
0.991831	0.975331	0	0	0	0	0	0
0.993723	0.997047	0	0	0	0	0	0
0.988605	0.993162	0	0	0	0	0	0
0.987387	0.993397	0	0	0	0	0	0
0.965205	0.936928	0	0	0	0	0	0
0.969141	0.971637	0	0	0	0	0	0
0.959605	0.967385	0	0	0	0	0	0
0.041907	0.044495	0	0	0	0	0	0
0.982141	0.983098	0	0	0	0	0	0
0.992623	0.973784	0	0	0	0	0	0
0.993286	0.958316	0	0	0	0	0	0
0.98064	0.957304	0	0	0	0	0	0
0.994518	0.998606	0	0	0	0	0	0
0.997016	0.993673	0	0	0	0	0	0
0.761334	0.743429	0	0	0	0	0	0
0.006358	0.010415	0	0	0	0	0	0
0.990942	0.929266	0.02	0	0	0	0	0
0.021629	0.013318	0	0	0	0	0	0

0.995376	0.994039	0	0	0	0	0	0
0.992841	0.985052	0	0	0	0	0	0
0.990859	0.993387	0	0	0	0	0	0
0.944736	0.931437	0	0	0	0	0	0
0.007298	0.001865	0	0	0	0	0	0
0.989063	0.992138	0	0	0	0	0	0
0.017869	0.006121	0	0	0	0	0	0
0.988648	0.985933	0	0	0	0	0	0
0.883296	0.932531	0	0	0	0	0	0
0.982495	0.876272	0.06	0	0	0	0	0
0.027528	0.052785	0	0	0	0	0	0
0.997622	0.984061	0	0	0	0	0	0
0.99823	0.954121	0	0	0	0	0	0
0.997203	0.992337	0	0	0	0	0	0
0.996769	0.978506	0	0	0	0	0	0
0.982529	0.838602	0.04	0	0	0	0	0
0.998869	0.987082	0	0	0	0	0	0
0.990427	0.900167	0	0	0	0	0	0
0.975855	0.717765	0.05	0	0	0	0	0
0.989171	0.938946	0	0	0	0	0	0
0.005591	0.094052	0.01	0	0	0	0	0
0.208562	0.412089	0.04	0	0	0	0	0
0.997527	0.99527	0	0	0	0	0	0
0.967167	0.964048	0	0	0	0	2	2
0.006006	0.005069	0	0	0	0	0	0
0.02373	0.016437	0	0	0	0	0	0
0.59032	0.514107	0	0	0	0	0	0
0.199729	0.649833	0.36	0	0	0	0	0
0.006986	0.025356	0	0	0	0	0	0
0.995618	0.993094	0	0	0	0	0	0
0.993712	0.735177	0.2	0	0	0	2	2
0.9572	0.949695	0	0	0	0	0	0
0.949281	0.941548	0	0	0	0	0	0
0.996002	0.9871	0	0	0	0	0	0
0.007386	0.023549	0	0	0	0	0	0
0.992135	0.987863	0	0	0	0	0	0
0.949657	0.951418	0	0	0	0	0	0
0.989514	0.973513	0	0	0	0	0	0
0.599332	0.740104	0	0	3	0	0	0
0.994602	0.973336	0	0	0	0	0	0
0.991856	0.994669	0	0	0	0	0	0
0.800505	0.88573	0	0	0	0	0	0
0.984241	0.979546	0	0	0	0	0	0
0.017707	0.018256	0	0	0	0	0	0
0.036358	0.032104	0	0	0	0	0	0
0.050324	0.156346	0.02	0	0	0	0	0
0.047361	0.398648	0.25	0	0	0	0	0

0.956057	0.966005	0	0	0	0	0	0
0.931621	0.960001	0	0	0	0	0	0
0.842725	0.719508	0	0	0	0	0	0
0.011225	0.013814	0	0	0	0	0	0
0.999135	0.996705	0	0	0	0	0	0
0.055229	0.116029	0	0	0	0	0	0
0.988962	0.987511	0	0	0	0	0	0
0.006636	0.034142	0	0	0	0	0	0
0.997532	0.988262	0	0	0	0	0	0
0.998954	0.998935	0	0	0	0	0	0
0.005468	0.010066	0	0	0	0	0	0
0.112908	0.119306	0	0	0	0	0	0
0.659187	0.875271	0.11	0	0	0	0	0
0.396055	0.585812	0.04	0	0	0	0	0
0.008166	0.011203	0	0	0	0	0	0
0.9679	0.591402	0.26	0	0	0	0	0
0.814669	0.627938	0	0	0	0	0	0
0.914358	0.728551	0	0	0	0	0	0
0.899012	0.911854	0	0	0	0	0	0
0.984531	0.960997	0	0	0	0	0	0
0.982749	0.975233	0	0	0	0	0	0
0.989375	0.989536	0	0	0	0	0	0
0.013798	0.007119	0	0	0	0	0	0
0.996723	0.997498	0	0	0	0	0	0
0.991835	0.997248	0	0	0	0	0	0
0.261252	0.304271	0	0	0	0	0	0
0.79487	0.787683	0	0	0	0	0	0
0.140791	0.173577	0	0	0	0	0	0
0.913235	0.969621	0	0	0	0	0	0
0.997986	0.990928	0	0	0	0	0	0
0.99753	0.996507	0	0	0	0	0	0
0.976991	0.943442	0	0	0	0	0	0
0.970171	0.974199	0	0	0	0	0	0
0.985435	0.966269	0	0	0	0	0	0
0.035526	0.02905	0	0	0	0	0	0
0.965967	0.919291	0	0	0	0	0	0
0.991089	0.993583	0	0	0	0	0	0
0.019613	0.014984	0	0	0	0	0	0
0.011231	0.018512	0	0	0	0	0	0
0.991297	0.992115	0	0	0	0	0	0
0.985671	0.972469	0	0	0	0	0	0
0.997305	0.997728	0	0	0	0	0	0
0.994956	0.882353	0.07	0	0	0	4	0
0.180941	0.280781	0	0	0	0	0	0
0.34064	0.473664	0	0	0	0	0	0
0.010341	0.018427	0	0	0	0	0	0
0.010966	0.014788	0	0	0	0	0	0

0.01189	0.018759	0	0	0	0	0	0
0.992906	0.99689	0	0	0	0	0	0
0.992239	0.9953	0	0	0	0	0	0
0.989721	0.961978	0	0	0	0	0	0
0.02971	0.138379	0.01	0	0	0	0	0
0.921865	0.9461	0	0	0	0	0	0
0.9495	0.967779	0	0	0	0	0	0
0.991224	0.99652	0	0	0	0	0	0
0.994397	0.992765	0	0	0	0	0	0
0.00271	0.002059	0	0	0	0	0	0
0.333948	0.334394	0	0	0	0	0	0
0.997506	0.99902	0	0	0	0	0	0
0.998154	0.996547	0	0	0	0	0	0
0.991612	0.976422	0	0	0	0	0	0
0.992799	0.989671	0	0	0	0	0	0
0.994948	0.9861	0	0	0	0	0	0
0.997204	0.996882	0	0	0	0	0	0
0.99679	0.993847	0	0	0	0	0	0
0.997512	0.99472	0	0	0	0	0	0
0.990688	0.983045	0	0	0	0	0	0
0.99643	0.994995	0	0	0	0	0	0
0.01263	0.006486	0	0	0	0	0	0
0.996803	0.99672	0	0	0	0	0	0
0.997375	0.997111	0	0	0	0	0	0
0.997618	0.993213	0	0	0	0	0	0
0.076058	0.053597	0	0	0	0	0	0
0.993132	0.996359	0	0	0	0	0	0
0.993909	0.997471	0	0	0	0	0	0
0.993527	0.998121	0	0	0	0	0	0
0.98932	0.998604	0	0	0	0	0	0
0.986101	0.985088	0	0	0	0	0	0
0.938423	0.946769	0	0	0	0	0	0
0.991962	0.985545	0	0	0	0	0	0
0.02542	0.012907	0	0	0	0	0	0
0.986069	0.992412	0	0	0	0	0	0
0.750319	0.082815	0.41	0	0	0	0	0
0.995056	0.986829	0	0	0	0	0	0
0.026083	0.034362	0	0	0	0	0	0
0.995168	0.987223	0	0	0	0	0	0
0.994958	0.988083	0	0	0	0	0	0
0.993794	0.983576	0	0	0	0	0	0
0.009254	0.013464	0	0	0	0	0	0
0.996192	0.994813	0	0	0	0	0	0
0.996357	0.99557	0	0	0	0	0	0
0.010141	0.002373	0	0	0	0	0	0
0.995562	0.965842	0.01	0	0	0	0	0
0.948857	0.499695	0.38	0	0	0	0	0

0.985365	0.984053	0	0	0	0	0	0
0.998602	0.997376	0	0	0	0	0	0
0.998612	0.997551	0	0	0	0	0	0
0.998445	0.924672	0.05	0	0	0	0	0
0.349388	0.509455	0.04	0	0	0	0	0
0.995288	0.989878	0	0	0	0	0	0
0.189314	0.181162	0	0	0	0	0	0
0.99378	0.983616	0	0	0	0	0	0
0.985146	0.987527	0	0	0	0	0	0
0.988764	0.990342	0	0	0	0	0	0
0.992148	0.988011	0	0	0	0	0	0
0.038557	0.056602	0	0	0	0	0	0
0.99058	0.894815	0.03	0	0	0	0	0
0.994582	0.968881	0	0	0	0	0	0
0.833672	0.563011	0.12	0	0	0	0	0
0.015225	0.021	0	0	0	0	0	0
0.96323	0.967895	0	0	0	0	0	0
0.940622	0.987041	0	0	0	4	0	0
0.961468	0.981708	0	0	0	0	0	0
0.371236	0.854382	0.21	0	0	0	0	0
0.029315	0.052132	0	0	0	0	0	0
0.981201	0.974476	0	0	0	0	0	0
0.914495	0.638873	0.05	0	0	0	0	0
0.040546	0.126773	0	0	0	0	0	0
0.862843	0.654338	0	0	0	0	0	0
0.337787	0.143175	0	0	0	0	0	0
0.972574	0.96266	0	0	0	0	0	0
0.018014	0.065475	0	0	0	0	0	0
0.009201	0.131994	0.02	0	0	0	0	0
0.020727	0.067852	0	0	0	0	0	0
0.994616	0.992432	0	0	0	0	0	0
0.995558	0.99108	0	0	0	0	0	0
0.538566	0.754262	0.14	0	0	0	0	0
0.994606	0.981965	0	0	0	0	0	0
0.062497	0.04863	0	0	0	0	0	0
0.972192	0.773837	0.1	0	0	0	0	0
0.005514	0.006358	0	0	0	0	0	0
0.998201	0.99882	0	0	0	0	0	0
0.278103	0.276163	0	0	0	0	0	0
0.968297	0.971172	0	0	0	0	0	0
0.992769	0.932287	0.02	0	0	0	0	0
0.98344	0.959444	0	0	0	0	0	0
0.987761	0.965189	0	0	0	0	0	0
0.985278	0.962117	0	0	0	0	0	0
0.984247	0.96109	0	0	0	0	0	0
0.982626	0.963408	0	0	0	0	0	0
0.981067	0.963279	0	0	0	0	0	0

0.041794	0.25537	0.02	0	0	0	0	0
0.049946	0.0558	0	0	0	0	0	0
0.990253	0.949169	0	0	0	0	0	0
0.989129	0.975247	0	0	0	0	0	0
0.956204	0.933003	0	0	0	0	0	0
0.982242	0.967215	0	0	0	0	0	0
0.971557	0.917163	0	0	0	0	0	0
0.983743	0.962145	0	0	0	0	0	0
0.988056	0.910868	0	0	0	0	0	0
0.976318	0.832431	0.01	0	0	0	0	0
0.982769	0.977795	0	0	0	0	0	0
0.94107	0.908476	0	0	0	0	0	0
0.985931	0.90627	0	0	0	0	0	0
0.985575	0.970214	0	0	0	0	0	0
0.99364	0.990683	0	0	0	0	0	0
0.992115	0.987882	0	0	0	0	0	0
0.983765	0.957919	0	0	0	0	0	0
0.983988	0.985346	0	0	0	0	0	0
0.996574	0.986658	0	0	0	0	0	0
0.996194	0.986886	0	0	0	0	0	0
0.997296	0.995091	0	0	0	0	0	0
0.00697	0.023657	0	0	0	0	0	0
0.997505	0.994078	0	0	0	0	0	0
0.985831	0.978988	0	0	0	0	0	0
0.208044	0.071721	0.01	0	0	0	7	7
0.807659	0.975049	0.03	0	0	7	0	0
0.997027	0.986007	0	0	0	0	0	0
0.994555	0.984039	0	0	0	0	0	0
0.026667	0.036752	0	0	0	0	0	0
0.993138	0.994371	0	0	0	0	0	0
0.99571	0.997614	0	0	0	0	0	0
0.414873	0.27279	0	0	0	0	0	0
0.998782	0.995574	0	0	0	0	0	0
0.002632	0.004235	0	0	0	0	0	0
0.004142	0.006424	0	0	0	0	0	0
0.998372	0.996612	0	0	0	0	0	0
0.015211	0.014142	0	0	0	0	0	0
0.997883	0.992478	0	0	0	0	0	0
0.997287	0.999256	0	0	0	0	0	0
0.997748	0.999541	0	0	0	0	0	0
0.997973	0.958568	0.04	0	0	0	0	0
0.996021	0.999779	0	0	0	0	1	0
0.985912	0.972125	0	0	0	0	0	0
0.99116	0.979227	0	0	0	0	0	0
0.984753	0.972562	0	0	0	0	0	0
0.986299	0.971985	0	0	0	0	0	0
0.991391	0.989095	0	0	0	0	0	0

0.992708	0.983138	0	0	0	0	0	0
0.992341	0.987966	0	0	0	0	0	0
0.994689	0.993136	0	0	0	0	0	0
0.870373	0.912967	0	0	2	0	0	0
0.990852	0.989415	0	0	2	0	0	0
0.992794	0.993085	0	0	0	0	0	0
0.119227	0.659342	0.39	0	0	0	0	0
0.994371	0.993397	0	0	0	0	0	0
0.813193	0.947535	0.05	0	0	0	0	0
0.991584	0.995466	0	0	0	0	0	0
0.99467	0.989221	0	0	0	0	0	0
0.995142	0.997369	0	0	0	0	0	0
0.996514	0.955629	0.01	0	0	0	0	0
0.014125	0.024968	0	3	0	0	0	0
0.990606	0.987128	0	3	0	0	0	0
0.004732	0.079191	0.01	0	0	0	0	0
0.997031	0.988737	0	0	0	0	0	0
0.995644	0.992674	0	0	0	0	0	0
0.99316	0.989646	0	0	0	0	0	0
0.037197	0.120063	0	0	0	5	0	7
0.998286	0.996365	0	9	6	10	7	4
0.997825	0.722687	0.18	2	0	0	10	0
0.994749	0.9926	0	0	0	0	0	0
0.998638	0.998544	0	0	0	0	0	0
0.99829	0.991676	0	0	0	0	0	0
0.985597	0.994335	0	0	0	0	0	0
0.008109	0.003073	0	0	0	0	0	0
0.997333	0.990985	0	0	0	0	0	0
0.982425	0.977704	0	0	0	0	0	0
0.008388	0.008181	0	0	0	0	0	0
0.969042	0.983519	0	0	0	0	0	0
0.996068	0.994562	0	0	0	0	0	0
0.998039	0.998042	0	0	0	0	0	0
0.997384	0.996469	0	0	0	0	0	0
0.324242	0.260374	0	0	0	0	0	0
0.997233	0.995884	0	0	0	0	0	0
0.004938	0.010038	0	0	0	0	0	0
0.031964	0.041189	0	0	0	0	0	0
0.980425	0.94183	0	0	0	0	0	0
0.168414	0.126195	0	0	0	0	0	0
0.023184	0.059541	0	0	0	0	0	0
0.997167	0.988073	0	0	0	0	0	0
0.997928	0.869167	0.08	0	0	0	0	0
0.980134	0.989336	0	0	0	0	0	0
0.997849	0.99364	0	0	0	0	0	0
0.997281	0.979093	0	0	0	0	0	0
0.986806	0.961651	0	0	0	0	0	0

0.998082	0.99937	0	0	0	0	0	0
0.995796	0.99408	0	0	0	0	0	0
0.998171	0.998905	0	0	0	0	0	0
0.838866	0.959322	0	0	0	0	0	0
0.990179	0.987555	0	0	0	0	0	0
0.010357	0.019493	0	0	0	0	0	0
0.990697	0.985396	0	0	0	0	0	0
0.981766	0.88971	0.01	0	0	0	0	0
0.976267	0.986432	0	0	0	0	0	0
0.497146	0.709125	0	0	0	0	0	0
0.996753	0.996735	0	0	0	0	0	0
0.670097	0.791716	0	0	0	0	0	0
0.568877	0.57709	0	0	0	0	0	0
0.052792	0.045914	0	0	0	0	0	0
0.996854	0.998784	0	0	0	0	0	0
0.969681	0.988003	0	0	0	0	0	0
0.997061	0.997305	0	0	0	0	0	0
0.99697	0.99873	0	0	0	0	0	0
0.888782	0.888508	0	0	0	0	0	0
0.005518	0.027675	0	0	0	0	0	0
0.00335	0.003141	0	0	0	0	0	0
0.998671	0.99929	0	0	0	0	0	0
0.997186	0.98626	0	0	0	0	0	0
0.980026	0.953622	0	0	0	0	0	0
0.332544	0.326575	0	0	0	0	0	0
0.998528	0.999361	0	0	0	0	0	0
0.9981	0.985184	0	0	0	0	0	0
0.99571	0.995716	0	0	0	0	0	0
0.9945	0.99177	0	0	0	0	0	0
0.997219	0.998525	0	0	0	0	0	0
0.99305	0.996667	0	0	0	0	0	0
0.996703	0.99839	0	0	0	0	0	0
0.976825	0.993541	0	0	0	0	0	0
0.94072	0.96231	0	0	0	0	0	0
0.975816	0.97734	0	0	0	0	0	0
0.970542	0.985752	0	0	0	0	0	0
0.974814	0.988377	0	0	0	0	0	0
0.985677	0.988473	0	0	0	0	0	0
0.976221	0.970477	0	0	0	0	0	0
0.989535	0.97551	0	0	0	0	0	0
0.980316	0.977824	0	0	0	0	0	0
0.988595	0.980166	0	0	0	0	0	0
0.992839	0.987692	0	0	0	0	0	0
0.992301	0.985416	0	0	0	0	0	0
0.894089	0.80341	0	0	0	0	0	0
0.987504	0.966923	0	0	0	0	0	0
0.656158	0.904688	0	0	0	0	0	0

0.890627	0.911285	0	0	0	0	0	0
0.877784	0.891663	0	0	0	0	0	0
0.017679	0.077273	0	0	0	0	0	0
0.999643	0.998367	0	0	0	0	0	0
0.999552	0.999336	0	0	0	0	0	0
0.999728	0.999671	0	0	0	0	0	0
0.999373	0.998785	0	0	0	0	0	0
0.983045	0.989422	0	0	0	0	0	0
0.987294	0.993333	0	0	0	0	0	0
0.99069	0.989756	0	0	0	0	0	0
0.978471	0.970642	0	0	0	0	0	0
0.973466	0.968462	0	0	0	0	0	0
0.951095	0.928248	0	0	0	0	0	0
0.979465	0.968811	0	0	0	0	0	0
0.988374	0.985046	0	0	0	0	0	0
0.984639	0.990832	0	0	0	0	0	0
0.017137	0.038108	0	0	0	0	0	0
0.988978	0.983148	0	0	0	0	0	0
0.023472	0.010849	0	0	0	0	0	0
0.985989	0.988569	0	0	0	0	0	0
0.981228	0.989024	0	1	0	0	0	0
0.887289	0.92944	0	0	0	0	0	0
0.074429	0.373472	0.09	0	0	0	0	0
0.98358	0.982901	0	0	0	0	0	0
0.984065	0.982852	0	0	0	0	0	0
0.992227	0.990601	0	0	0	0	0	0
0.013531	0.024149	0	0	0	0	0	0
0.98461	0.987327	0	0	0	0	0	0
0.988388	0.9635	0	0	0	0	0	0
0.987011	0.844084	0.02	0	0	0	0	0
0.877978	0.688387	0.03	0	0	0	0	0
0.937859	0.968428	0	0	0	0	0	0
0.020494	0.020962	0	0	0	0	0	0
0.055724	0.0732	0	0	0	0	0	0
0.027715	0.024723	0	0	0	0	0	0
0.014279	0.01184	0	0	0	0	0	0
0.991041	0.961665	0	0	0	0	0	0
0.960538	0.917349	0	0	0	0	0	0
0.991376	0.986547	0	0	0	0	0	0
0.781285	0.531745	0.02	0	0	0	0	0
0.76716	0.506162	0.04	0	0	0	0	0
0.959178	0.934028	0	0	0	0	0	0
0.996942	0.989684	0	0	0	0	0	0
0.007751	0.030848	0	0	0	0	0	0
0.997062	0.991743	0	0	0	0	0	0
0.996464	0.991216	0	0	0	0	0	0
0.998468	0.986857	0	0	0	0	0	0

0.997914	0.995291	0	0	0	0	0	0
0.998166	0.995479	0	0	0	0	0	0
0.990766	0.981571	0	0	0	0	0	0
0.995545	0.986393	0	0	0	0	0	0
0.977934	0.987186	0	0	0	0	0	0
0.011574	0.014848	0	0	0	0	0	0
0.99325	0.973266	0	0	0	0	0	0
0.996972	0.992325	0	0	0	0	0	0
0.998207	0.977781	0	0	0	0	0	0
0.006377	0.011503	0	0	0	0	0	0
0.997439	0.996845	0	0	0	0	0	0
0.998069	0.995973	0	0	0	0	0	0
0.837085	0.75839	0	0	0	0	0	0
0.991043	0.97866	0	0	0	0	0	0
0.974276	0.981177	0	0	0	0	0	0
0.992813	0.957015	0.01	0	0	0	0	0
0.993237	0.98036	0	0	0	0	0	0
0.990797	0.988668	0	0	0	0	0	0
0.936811	0.805492	0.03	0	0	0	0	0
0.996979	0.989022	0	0	0	0	0	0
0.984868	0.982232	0	0	0	0	0	0
0.984649	0.968686	0	0	0	0	0	0
0.976019	0.978048	0	0	0	0	0	0
0.958436	0.980203	0	0	0	0	0	0
0.953814	0.823187	0.04	0	0	0	0	0
0.96544	0.714695	0.17	0	0	0	0	0
0.899239	0.697526	0.12	0	0	0	0	0
0.983353	0.965828	0	0	0	0	0	0
0.979042	0.952883	0	0	0	0	0	0
0.968856	0.948414	0	0	0	0	0	0
0.975095	0.894468	0	0	0	0	0	0
0.978081	0.968121	0	0	0	0	0	0
0.981193	0.873901	0	0	0	0	0	0
0.284425	0.538196	0	0	0	0	0	0
0.848166	0.952591	0	0	0	0	0	0
0.932846	0.9467	0	0	0	0	0	0
0.954869	0.964109	0	0	0	0	0	0
0.952839	0.961551	0	0	0	0	0	0
0.944275	0.943344	0	0	0	0	0	0
0.938222	0.950664	0	0	0	0	0	0
0.330278	0.69912	0	0	0	0	0	0
0.988615	0.99125	0	0	0	0	0	0
0.98397	0.979191	0	0	0	0	0	0
0.991524	0.996466	0	0	0	0	0	0
0.990106	0.98157	0	0	0	0	0	0
0.987972	0.9898	0	0	0	0	0	0
0.987052	0.989233	0	0	0	0	0	0

0.987109	0.955091	0	0	0	0	0	0
0.983999	0.979199	0	0	0	0	0	0
0.928245	0.969088	0	0	0	0	0	0
0.418742	0.696064	0	0	0	0	0	0
0.994048	0.995649	0	0	0	0	0	0
0.981439	0.901428	0	0	0	0	0	0
0.994814	0.98898	0	0	0	0	0	0
0.994133	0.980358	0	0	0	0	0	0
0.039262	0.102535	0	0	0	0	0	0
0.987482	0.917383	0	0	0	0	0	0
0.984204	0.938141	0	0	0	0	0	0
0.9455	0.805351	0	0	0	0	0	0
0.985108	0.882364	0	0	0	0	0	0
0.987157	0.968606	0	0	0	0	0	0
0.972524	0.946721	0	0	0	0	0	0
0.942908	0.517906	0.04	0	0	0	0	0
0.995695	0.988712	0	0	0	0	0	0
0.997033	0.992343	0	0	0	0	0	0
0.99682	0.979709	0	0	0	0	0	0
0.038554	0.054762	0	0	0	0	0	0
0.061151	0.047658	0	0	0	0	0	0
0.989963	0.9929	0	0	0	0	0	0
0.993615	0.99154	0	0	0	0	0	0
0.988995	0.986554	0	0	0	0	0	0
0.989086	0.976799	0	0	0	0	0	0
0.97418	0.982463	0	0	0	0	0	0
0.010169	0.015135	0	0	0	0	0	0
0.059971	0.20436	0	0	0	0	0	0
0.985799	0.964461	0	0	0	0	0	0
0.977141	0.963723	0	0	0	0	0	0
0.969776	0.990397	0	0	0	0	0	0
0.995715	0.997723	0	0	0	0	0	0
0.019104	0.029411	0	0	0	0	0	0
0.982781	0.942572	0	0	0	0	0	0
0.993378	0.994965	0	0	0	0	0	0
0.022468	0.022643	0	0	0	0	0	0
0.991053	0.986292	0	0	0	0	0	0
0.063275	0.030898	0	0	0	0	0	0
0.229002	0.144157	0	0	0	0	0	0
0.967621	0.970912	0	0	0	0	5	5
0.932957	0.947639	0	0	0	0	0	0
0.043665	0.022468	0	0	0	0	0	0
0.505772	0.311161	0	0	0	0	0	0
0.989733	0.988051	0	0	0	0	0	0
0.96698	0.932879	0	0	0	0	0	0
0.976203	0.950412	0	0	0	0	0	0
0.982005	0.961902	0	0	0	0	0	0

0.919847	0.915678	0	0	0	0	0	0
0.998808	0.998854	0	0	0	0	0	0
0.98872	0.993412	0	0	0	0	0	0
0.99316	0.99672	0	0	0	0	0	0
0.994489	0.996888	0	0	0	0	0	0
0.999005	0.99763	0	0	0	0	0	0
0.017091	0.055723	0.03	0	0	0	0	0
0.055504	0.228296	0.04	0	0	0	0	0
0.999954	0.999967	0	0	0	0	0	0
0.969625	0.961273	0	0	0	0	0	0
0.972491	0.969019	0	0	0	0	0	0
0.970433	0.955641	0	0	0	0	0	0
0.966161	0.966092	0	0	0	0	0	0
0.972036	0.966549	0	0	0	0	0	0
0.976364	0.978632	0	0	0	0	0	0
0.96115	0.940559	0	0	0	0	0	0
0.902024	0.900155	0	0	0	0	0	0
0.975157	0.937461	0	0	0	0	0	0
0.97838	0.982892	0	0	0	0	0	0
0.044835	0.025753	0	0	0	0	0	0
0.97627	0.934279	0	0	0	0	0	0
0.977615	0.908805	0	0	0	0	0	0
0.992439	0.991477	0	0	0	0	0	0
0.995816	0.979229	0	0	0	0	0	0
0.988833	0.990455	0	0	0	0	0	0
0.987998	0.987538	0	0	0	0	0	0
0.003201	0.017125	0	0	0	0	0	0
0.992268	0.969841	0	0	0	0	0	0
0.093413	0.096027	0	0	0	0	0	0
0.007339	0.006346	0	0	0	0	0	0
0.996305	0.996578	0	0	0	0	0	0
0.998518	0.998905	0	0	0	0	0	0
0.981836	0.980913	0	0	0	0	0	0
0.969556	0.976933	0	0	0	0	0	0
0.996876	0.998237	0	0	0	0	0	0
0.73057	0.777738	0	0	0	0	0	0
0.993997	0.99022	0	0	0	0	0	0
0.997916	0.994466	0	0	0	0	0	0
0.999059	0.996475	0	0	0	0	0	0
0.993576	0.993958	0	0	0	0	0	0
0.987987	0.964457	0	0	0	0	0	0
0.998831	0.986605	0	0	0	0	0	0
0.990784	0.955131	0.02	0	0	0	0	0
0.86834	0.74155	0.03	0	0	0	0	0
0.996757	0.990141	0	0	0	0	0	0
0.926398	0.551488	0.31	0	0	0	0	0
0.979476	0.872692	0.11	0	0	0	0	0

0.986103	0.933836	0.05	0	0	0	0	0
0.092971	0.083229	0	0	0	0	0	0
0.985344	0.956982	0	0	0	0	0	0
0.94738	0.951744	0	0	0	0	0	0
0.996726	0.978313	0	0	0	0	0	0
0.996748	0.988571	0	0	0	0	0	0
0.895351	0.917984	0	0	0	0	0	0
0.99532	0.987245	0	0	0	0	0	0
0.950322	0.875314	0.01	0	0	0	0	0
0.986587	0.99487	0	0	0	0	0	0
0.993142	0.993843	0	0	0	0	0	0
0.997983	0.996224	0	0	0	0	0	0
0.005021	0.002362	0	0	0	0	0	0
0.993649	0.993799	0	0	0	0	0	0
0.995318	0.996888	0	0	0	0	0	0
0.99642	0.939368	0.02	0	0	0	0	0
0.338951	0.110989	0.06	0	0	0	0	0
0.997139	0.996579	0	0	0	4	0	0
0.994653	0.99424	0	0	0	0	0	0
0.989849	0.960039	0	0	0	0	0	0
0.990951	0.979197	0	0	0	0	0	0
0.990824	0.987573	0	0	0	0	0	0
0.992245	0.995689	0	0	0	0	0	0
0.988546	0.994399	0	0	0	0	0	0
0.996049	0.995107	0	0	0	0	0	0
0.995785	0.996548	0	0	0	0	0	0
0.995938	0.992384	0	0	0	0	0	0
0.988407	0.960721	0	0	0	0	0	0
0.764839	0.939739	0	0	0	0	0	0
0.993889	0.989897	0	0	0	0	0	0
0.996685	0.982159	0	0	0	0	0	0
0.994932	0.996643	0	0	0	0	0	0
0.961714	0.973953	0	0	0	0	0	0
0.993024	0.972839	0	0	0	0	0	0
0.996167	0.993847	0	0	0	0	0	0
0.992129	0.968388	0	0	0	1	0	0
0.991352	0.969439	0	0	0	0	0	0
0.972432	0.947943	0	0	0	0	0	0
0.080789	0.511067	0.12	0	0	0	0	0
0.991963	0.975245	0	0	0	0	0	0
0.97492	0.89586	0	0	0	0	0	0
0.999423	0.999425	0	0	0	0	0	0
0.997083	0.997946	0	0	0	0	0	0
0.017817	0.09989	0.05	0	0	0	0	0
0.998731	0.995479	0	0	0	0	0	0
0.994574	0.998339	0	0	0	0	0	0
0.99313	0.993078	0	0	0	0	0	0

0.990231	0.984272	0	0	0	0	0	0
0.998221	0.995883	0	0	0	0	0	0
0.002809	0.004102	0	0	0	0	0	0
0.981318	0.961206	0	0	0	0	0	0
0.997681	0.999068	0	0	0	0	0	0
0.994196	0.997142	0	0	0	0	0	0
0.863552	0.768475	0	0	0	0	0	0
0.007698	0.007467	0	0	0	0	0	0
0.015151	0.061486	0	0	0	0	0	0
0.977538	0.980099	0	0	0	0	0	0
0.539464	0.124023	0.27	0	0	0	10	10
0.996654	0.996145	0	0	0	0	0	0
0.992896	0.998636	0	0	0	0	0	0
0.995436	0.997888	0	0	0	0	0	0
0.995948	0.996	0	0	0	0	0	0
0.012262	0.008523	0	0	0	0	0	0
0.965449	0.915344	0	0	0	0	0	0
0.959328	0.936095	0	0	0	0	0	0
0.996183	0.988324	0	0	0	0	0	0
0.983635	0.966399	0	0	0	0	0	0
0.974378	0.975267	0	0	0	0	0	0
0.968301	0.962501	0	0	0	0	0	0
0.998435	0.99778	0	0	0	0	0	0
0.998475	0.998245	0	0	0	0	0	0
0.997204	0.917308	0.02	0	0	0	0	0
0.993967	0.993728	0	0	0	0	0	0
0.995359	0.994993	0	0	0	0	0	0
0.996635	0.996089	0	0	0	0	0	0
0.993376	0.991878	0	0	0	0	0	0
0.990544	0.992094	0	0	0	0	0	0
0.058717	0.039551	0	0	0	0	0	0
0.995625	0.986952	0	0	0	0	0	0
0.995969	0.992026	0	0	0	0	0	0
0.967706	0.93436	0	0	0	0	0	0
0.993823	0.923384	0	0	0	0	0	0
0.993308	0.931339	0	0	0	0	0	0
0.994608	0.983255	0	0	0	0	0	0
0.99508	0.993497	0	0	0	0	0	0
0.995254	0.986694	0	0	0	0	0	0
0.992435	0.969427	0	0	0	0	0	0
0.055967	0.246936	0	0	0	0	0	0
0.993147	0.865644	0.03	0	0	0	0	0
0.993414	0.97297	0	0	0	0	0	0
0.991796	0.964811	0	0	0	0	0	0
0.990798	0.982714	0	0	0	0	0	0
0.99596	0.942356	0	0	0	0	0	0
0.996087	0.991554	0	0	0	0	0	0

0.994042	0.988975	0	0	0	0	0	0
0.993365	0.989374	0	0	0	0	7	7
0.98282	0.971463	0	0	0	0	0	0
0.996885	0.996791	0	0	0	0	0	0
0.996424	0.997016	0	0	0	0	0	0
0.996595	0.996099	0	0	0	0	0	0
0.995517	0.976671	0	0	0	0	0	0
0.977963	0.975796	0	0	0	0	0	0
0.995502	0.978008	0	0	0	0	0	0
0.996949	0.986961	0	0	0	0	0	0
0.997193	0.996134	0	0	0	0	0	0
0.997376	0.994395	0	0	0	0	0	0
0.895919	0.529864	0.19	0	0	0	0	0
0.861733	0.501147	0.21	0	0	0	0	0
0.996621	0.991103	0	0	0	0	0	0
0.991438	0.992494	0	0	0	0	0	0
0.993459	0.990947	0	0	0	0	0	0
0.994118	0.997972	0	0	0	0	0	0
0.999029	0.996315	0	0	0	0	0	0
0.998528	0.998019	0	0	0	0	0	0
0.005754	0.009839	0	0	0	0	0	0
0.223002	0.28513	0	0	0	0	0	0
0.993663	0.967274	0	0	0	0	0	0
0.998093	0.991603	0	0	0	0	0	0
0.996165	0.974991	0	0	0	0	0	0
0.945465	0.98697	0.01	0	0	0	0	0
0.998371	0.979986	0	0	0	0	0	0
0.9772	0.778296	0.12	0	0	0	0	0
0.963801	0.801172	0.11	0	0	0	0	0
0.993008	0.983195	0	0	0	0	0	0
0.993419	0.989881	0	0	0	0	0	0
0.925819	0.9612	0	0	0	0	0	0
0.990305	0.986728	0	0	0	0	0	0
0.99029	0.987828	0	0	0	0	0	0
0.955155	0.961562	0	0	0	0	0	0
0.992337	0.958318	0	0	0	0	0	0
0.986118	0.989179	0	0	0	0	0	0
0.991245	0.993788	0	0	0	0	0	0
0.98786	0.961634	0	0	0	0	0	0
0.97585	0.963831	0	0	0	0	0	0
0.052767	0.065281	0	0	0	0	0	0
0.063628	0.021838	0	0	0	0	0	0
0.962467	0.992129	0	0	0	0	0	0
0.94872	0.984919	0	0	0	0	0	0
0.901401	0.977945	0	0	0	0	0	0
0.964899	0.977587	0	0	0	0	0	0
0.980635	0.982459	0	0	0	0	0	0

0.992222	0.994852	0	0	0	0	0	0
0.014443	0.00614	0	0	0	0	0	0
0.013096	0.005519	0	0	0	0	0	0
0.991935	0.99898	0	0	0	0	0	0
0.980434	0.960672	0	0	0	0	0	0
0.993504	0.991147	0	0	0	0	0	0
0.088756	0.105549	0	0	0	0	0	0
0.988471	0.990784	0	0	0	0	0	0
0.988683	0.992637	0	0	0	0	0	0
0.985628	0.982189	0	0	0	0	0	0
0.987567	0.994099	0	0	0	0	0	0
0.988273	0.99239	0	0	0	0	0	0
0.984027	0.99156	0	0	0	0	0	0
0.976174	0.992032	0	0	0	0	0	0
0.98906	0.989487	0	0	0	0	0	0
0.022017	0.052627	0	0	0	0	0	0
0.993044	0.981133	0	0	0	0	0	0
0.015465	0.039214	0	0	0	0	0	0
0.989669	0.980179	0	0	0	0	0	0
0.990373	0.978074	0	0	0	0	0	0
0.018454	0.043966	0	0	0	0	0	0
0.974852	0.990713	0	0	0	0	0	0
0.989393	0.976283	0	0	0	0	0	0
0.989395	0.968953	0	0	0	0	0	0
0.9921	0.969973	0	0	0	0	0	0
0.982337	0.713707	0.13	0	0	0	0	0
0.986455	0.97075	0	0	0	0	0	0
0.98013	0.941173	0	0	0	0	0	0
0.987129	0.978674	0	0	0	0	0	0
0.057654	0.039687	0	0	0	0	0	0
0.990159	0.975116	0	0	0	0	0	0
0.9873	0.96771	0	0	0	0	0	0
0.985845	0.970844	0	0	0	0	0	0
0.978479	0.967949	0	0	0	0	0	0
0.024872	0.03733	0	0	0	0	0	0
0.993548	0.990509	0	0	0	0	0	0
0.987393	0.98245	0	0	0	0	0	0
0.987063	0.988752	0	0	0	0	0	0
0.038454	0.079207	0	0	0	0	0	0
0.973749	0.97587	0	0	0	0	0	0
0.988548	0.992614	0	0	0	0	0	0
0.742031	0.543919	0	0	0	0	0	0
0.972537	0.89988	0	0	0	0	0	0
0.990625	0.963112	0	0	0	0	0	0
0.987836	0.987275	0	0	0	0	0	0
0.986177	0.930698	0	0	0	0	0	0
0.847436	0.57457	0.01	0	0	0	0	0

0.954222	0.901661	0	0	0	0	0	0
0.771517	0.824997	0	0	0	0	0	0
0.712704	0.579088	0	0	0	0	10	10
0.975317	0.959152	0	0	0	0	0	0
0.308251	0.131633	0	0	7	0	0	0
0.993489	0.979746	0	0	0	0	0	0
0.99262	0.988001	0	0	0	0	0	0
0.093352	0.393244	0	0	7	7	0	0
0.964279	0.987505	0	0	0	0	0	0
0.960901	0.976597	0	0	0	0	0	0
0.877674	0.969808	0	0	0	0	0	0
0.965978	0.861438	0	0	0	0	0	0
0.507182	0.483668	0	0	0	0	0	0
0.98404	0.997002	0	0	0	0	0	0
0.977439	0.897801	0	0	0	0	0	0
0.991287	0.996399	0	0	0	0	0	0
0.024559	0.005664	0	0	0	0	0	0
0.985364	0.98605	0	0	0	0	0	0
0.020073	0.005957	0	0	0	0	0	0
0.008395	0.002711	0	0	0	0	0	0
0.993911	0.993314	0	0	0	0	0	0
0.995284	0.995515	0	0	0	0	0	0
0.996928	0.999117	0	0	0	0	0	0
0.997956	0.998675	0	0	0	0	0	0
0.998285	0.999287	0	0	0	0	0	0
0.922316	0.890316	0	0	0	0	0	0
0.995078	0.998884	0	0	0	0	0	0
0.962284	0.980519	0	0	0	0	0	0
0.990735	0.985321	0	0	0	0	0	0
0.033379	0.026621	0	0	0	0	0	0
0.867499	0.967644	0	0	0	0	0	0
0.93967	0.949576	0	0	0	0	0	0
0.979968	0.984635	0	0	0	0	0	0
0.028853	0.040321	0	0	0	0	0	0
0.990296	0.975718	0	0	0	0	0	0
0.967856	0.910184	0	0	0	0	0	0
0.977828	0.966683	0	0	0	0	0	0
0.949887	0.934607	0	0	0	0	0	0
0.972433	0.958021	0	0	0	0	0	0
0.94371	0.941263	0	0	0	0	0	0
0.961767	0.946858	0	0	0	0	0	0
0.974684	0.959194	0	0	0	0	0	0
0.778794	0.525056	0.01	0	0	0	0	0
0.953264	0.97265	0	0	0	0	0	0
0.961038	0.950856	0	0	0	0	0	0
0.950923	0.959623	0	0	0	0	0	0
0.959728	0.969366	0	0	0	0	0	0

0.991184	0.98384	0	0	0	0	0	0
0.990341	0.984352	0	0	0	0	0	0
0.992176	0.996189	0	0	0	0	0	0
0.996665	0.998624	0	0	0	0	0	0
0.918811	0.891736	0.03	0	0	0	0	0
0.998266	0.999311	0	0	0	0	0	0
0.998336	0.999288	0	0	0	0	0	0
0.997641	0.998361	0	0	0	0	0	0
0.997994	0.998913	0	0	0	0	0	0
0.644653	0.617013	0	0	0	0	0	0
0.26569	0.471806	0.11	0	0	0	0	0
0.962323	0.992008	0	0	0	0	0	0
0.020182	0.031485	0	0	0	0	0	0
0.029423	0.022698	0	7	0	0	0	0
0.019844	0.011455	0	0	0	0	0	0
0.992674	0.990947	0	0	0	0	0	0
0.059829	0.015954	0	0	0	0	0	0
0.974796	0.984279	0	0	0	0	0	0
0.970655	0.984474	0	0	0	0	0	0
0.961476	0.956979	0	0	0	0	0	0
0.96773	0.978176	0	0	0	0	0	0
0.968718	0.973652	0	0	0	0	0	0
0.982954	0.976726	0	0	0	0	0	0
0.991169	0.984783	0	0	0	0	8	8
0.099632	0.199842	0	7	0	0	0	0
0.956078	0.956933	0	7	0	0	0	0
0.96017	0.96494	0	0	0	0	0	0
0.962448	0.975321	0	0	0	0	0	0
0.992737	0.989543	0	0	0	0	0	0
0.992582	0.976253	0	0	0	0	0	0
0.007065	0.032183	0	0	0	0	0	0
0.998185	0.998062	0	0	0	0	0	0
0.006753	0.009143	0	0	0	0	0	0
0.300899	0.135275	0	0	0	0	0	0
0.965416	0.990863	0	0	0	0	0	0
0.92682	0.990803	0	0	0	0	0	0
0.974328	0.994952	0	0	0	0	0	0
0.910294	0.975306	0	0	0	0	0	0
0.972479	0.875421	0	0	0	0	0	0
0.044976	0.050826	0	0	0	0	0	0
0.208307	0.096623	0	0	0	0	0	0
0.951071	0.952588	0	0	0	0	0	0
0.666544	0.550172	0	0	0	0	0	0
0.1256	0.086575	0	0	0	0	0	0
0.658735	0.482186	0	0	0	0	0	0
0.993589	0.982785	0	0	0	0	0	0
0.982571	0.977699	0	0	0	0	0	0

0.054545	0.052605	0	0	0	0	0	0
0.739789	0.851054	0	0	0	0	0	0
0.988767	0.978424	0	0	0	0	0	0
0.989675	0.970341	0	0	0	0	0	0
0.964417	0.905161	0	0	0	0	0	0
0.062669	0.052373	0	0	0	0	0	0
0.958424	0.976885	0	0	0	0	0	0
0.958953	0.915212	0	0	0	0	0	0
0.95008	0.985187	0	0	0	0	0	0
0.946256	0.969552	0	0	0	0	0	0
0.886679	0.890858	0	0	0	0	0	0
0.85506	0.958744	0	0	0	0	0	0
0.996394	0.98402	0	0	0	0	0	0
0.106432	0.030861	0	0	0	0	0	0
0.995954	0.997432	0	0	3	0	0	0
0.996797	0.997665	0	0	3	3	0	0
0.102447	0.035634	0	0	0	0	0	0
0.996269	0.991369	0	0	0	0	0	0
0.007361	0.009829	0	0	0	0	0	0
0.996918	0.997295	0	0	0	0	0	0
0.98078	0.966868	0	0	0	0	0	0
0.989991	0.938917	0	0	0	0	0	0
0.99513	0.99289	0	0	0	6	0	0
0.913095	0.75417	0	0	0	0	5	5
0.994289	0.967722	0	0	0	0	0	0
0.995125	0.983152	0	0	0	0	0	0
0.031897	0.117952	0	0	0	0	0	0
0.016014	0.057819	0	0	0	0	0	0
0.994843	0.991935	0	0	0	0	0	0
0.998204	0.998424	0	0	0	0	0	0
0.998069	0.99841	0	0	0	0	0	0
0.98717	0.940076	0	0	0	0	0	0
0.986292	0.991139	0	0	0	0	6	0
0.021371	0.076136	0	0	0	0	0	0
0.039945	0.141621	0	0	0	0	0	0
0.143921	0.769709	0.45	0	0	0	0	0
0.937127	0.939351	0	0	0	0	0	0
0.043752	0.086427	0	0	0	0	0	0
0.996222	0.998031	0	0	0	0	0	0
0.996848	0.99182	0	0	0	0	0	0
0.990876	0.992136	0	0	0	0	0	0
0.988333	0.994159	0	0	0	0	0	0
0.012343	0.006279	0	0	0	0	0	0
0.98744	0.989722	0	0	0	0	0	0
0.990873	0.991389	0	0	0	0	0	0
0.992047	0.993294	0	0	0	0	0	0
0.994131	0.995539	0	0	0	0	0	0

0.994914	0.996867	0	0	0	0	0	0
0.983589	0.992189	0	0	0	0	0	0
0.985319	0.987068	0	0	0	0	0	0
0.984188	0.985065	0	0	0	0	0	0
0.98448	0.994748	0	0	0	0	0	0
0.989556	0.994054	0	0	0	0	0	0
0.040852	0.060361	0	0	0	0	0	0
0.982938	0.990268	0	0	0	0	0	0
0.963886	0.960547	0	0	0	0	0	0
0.970441	0.955818	0	0	0	0	0	0
0.958643	0.946844	0	0	0	0	0	0
0.967217	0.953981	0	0	0	0	0	0
0.971628	0.96132	0	0	0	0	0	0
0.971073	0.971745	0	0	0	0	0	0
0.975628	0.979918	0	0	0	0	0	0
0.975133	0.980821	0	0	0	0	0	0
0.975349	0.98428	0	0	0	0	0	0
0.985825	0.991638	0	0	0	0	0	0
0.984994	0.99033	0	0	0	0	0	0
0.982664	0.991634	0	0	0	0	0	0
0.98715	0.993141	0	0	0	0	0	0
0.98649	0.996057	0	0	0	0	0	0
0.990032	0.993703	0	0	0	0	0	0
0.991318	0.991465	0	0	0	0	0	0
0.995438	0.98932	0	0	0	0	0	0
0.30885	0.291872	0	0	0	0	0	0
0.987363	0.950975	0	0	0	0	0	0
0.990103	0.960167	0	0	0	0	0	0
0.990203	0.952824	0	0	0	0	0	0
0.991566	0.977531	0	0	0	0	0	0
0.208371	0.731193	0.22	0	0	0	0	0
0.986872	0.905187	0	0	0	0	0	0
0.982292	0.958391	0	0	0	0	0	0
0.986507	0.953967	0	0	0	0	0	0
0.987336	0.974584	0	0	0	0	0	0
0.976531	0.949371	0	0	0	0	0	0
0.993997	0.96805	0	0	0	0	0	0
0.994541	0.991615	0	0	0	0	0	0
0.994238	0.990858	0	0	0	0	0	0
0.993819	0.991381	0	0	0	0	0	0
0.990453	0.988044	0	0	0	0	0	0
0.992211	0.990777	0	0	0	0	0	0
0.992984	0.992776	0	0	0	0	0	0
0.993593	0.992323	0	0	0	0	0	0
0.968896	0.943567	0	0	0	0	0	0
0.989782	0.97943	0	0	0	0	0	0
0.990499	0.905655	0	0	0	0	0	0

0.982352	0.986589	0	0	0	0	0	0
0.987939	0.971637	0	0	0	0	0	0
0.840485	0.984957	0.05	0	0	0	0	0
0.021744	0.368223	0.19	0	0	0	0	0
0.663505	0.293977	0.11	0	0	0	0	0
0.986307	0.962041	0	0	0	0	0	0
0.022837	0.066248	0	0	0	0	0	0
0.972051	0.93494	0	0	0	0	0	0
0.985385	0.958988	0	0	0	0	0	0
0.979992	0.926214	0	0	0	0	0	0
0.978779	0.941751	0	0	0	4	0	0
0.983301	0.977819	0	0	0	0	0	0
0.986214	0.989925	0	0	0	0	0	0
0.992403	0.992737	0	0	0	0	0	0
0.018851	0.013957	0	0	0	0	0	0
0.994864	0.99054	0	0	0	0	0	0
0.989489	0.990902	0	0	0	0	0	0
0.993771	0.976572	0	0	0	0	0	0
0.980185	0.967975	0	0	0	0	0	0
0.97583	0.991688	0	0	0	0	0	0
0.989134	0.992672	0	0	0	0	0	0
0.04562	0.014593	0	0	0	0	0	0
0.962583	0.856464	0	0	0	0	0	0
0.02536	0.010951	0	0	0	0	0	0
0.954295	0.981326	0	0	0	0	0	0
0.090527	0.324173	0	0	0	0	0	0
0.869578	0.407241	0.11	0	0	0	0	0
0.991958	0.994107	0	0	0	0	0	0
0.025811	0.012617	0	0	0	0	0	0
0.99028	0.991751	0	0	0	0	0	0
0.994168	0.994848	0	0	0	0	0	0
0.992169	0.987975	0	0	0	0	0	0
0.990511	0.973054	0	0	0	0	0	0
0.981757	0.988784	0	0	0	0	0	0
0.996932	0.970422	0	0	0	0	0	0
0.994335	0.926953	0.02	0	0	0	0	0
0.95118	0.264015	0.42	0	0	0	0	0
0.994416	0.994989	0	0	0	0	0	0
0.967107	0.995276	0	0	0	0	0	0
0.990972	0.993264	0	0	0	0	0	0
0.993965	0.992958	0	0	0	0	0	0
0.010337	0.01442	0	0	0	0	0	0
0.99473	0.970178	0	0	0	0	0	0
0.998822	0.994804	0	0	0	0	0	3
0.977742	0.977482	0	0	0	0	0	0
0.993383	0.985342	0	0	0	0	0	0
0.012904	0.089556	0	0	0	0	0	0

0.034163	0.050828	0	0	0	0	0	0
0.985722	0.87496	0	0	0	0	0	0
0.998063	0.990598	0	0	0	0	0	0
0.021681	0.004858	0.02	0	0	0	0	0
0.999215	0.994136	0	0	0	0	0	0
0.994925	0.99874	0	0	0	0	0	0
0.99391	0.991988	0	0	0	0	0	0
0.992913	0.990214	0	0	0	0	0	0
0.011018	0.014204	0	0	0	0	0	0
0.9889	0.96704	0	0	0	0	0	0
0.995377	0.987719	0	0	0	0	0	0
0.98855	0.982353	0	0	0	0	0	0
0.990346	0.985473	0	0	0	0	0	0
0.99291	0.989726	0	0	0	0	0	0
0.99438	0.989174	0	0	0	0	0	0
0.980094	0.991459	0	0	0	0	0	0
0.997212	0.998252	0	0	0	0	0	0
0.995216	0.997179	0	0	0	0	0	0
0.991618	0.988842	0	0	0	0	0	0
0.99067	0.993275	0	0	0	0	0	0
0.993389	0.993075	0	0	0	0	0	0
0.941386	0.945858	0	0	0	0	0	0
0.950641	0.994027	0	0	0	0	0	0
0.986161	0.958507	0	0	0	0	0	0
0.984545	0.965415	0	0	0	0	0	0
0.990804	0.978047	0	0	0	0	0	0
0.028294	0.061895	0	0	0	0	0	0
0.990165	0.969699	0	0	0	0	0	0
0.013909	0.026089	0	0	0	0	0	0
0.015966	0.03478	0	0	0	0	0	0
0.765997	0.128418	0.45	0	0	0	0	0
0.015426	0.032451	0	0	0	0	0	0
0.977952	0.937125	0	0	0	0	0	0
0.987883	0.96149	0	0	0	0	0	0
0.993394	0.982638	0	0	0	0	0	0
0.99281	0.979529	0	0	0	0	0	0
0.947109	0.940162	0	0	0	0	0	0
0.876628	0.953191	0	0	0	0	0	0
0.973522	0.977337	0	0	0	0	0	0
0.960722	0.945943	0	0	0	0	0	0
0.046605	0.010972	0	0	0	0	0	0
0.881638	0.747122	0	0	0	0	0	0
0.997713	0.973018	0	0	0	0	0	0
0.997834	0.998712	0	0	0	0	0	0
0.003532	0.004169	0	0	0	5	0	10
0.005633	0.050376	0.01	0	0	0	0	0
0.968537	0.958459	0	0	0	0	0	0

0.004586	0.004948	0	0	0	0	0	0
0.097403	0.059148	0	0	0	0	0	0
0.975212	0.989415	0	0	0	0	0	0
0.000255	0.001208	0	0	0	0	0	0
0.995096	0.906332	0.06	0	0	0	0	0
0.744273	0.951293	0	0	0	0	0	0
0.449014	0.079507	0.1	0	0	0	0	0
0.409158	0.330714	0	5	0	0	0	0
0.973084	0.924749	0.02	5	0	0	0	0
0.956383	0.951025	0	0	0	0	0	0
0.998541	0.998457	0	0	0	0	0	0
0.99891	0.998203	0	0	0	0	0	0
0.963821	0.892428	0	0	0	0	0	0
0.965976	0.949749	0	0	0	0	0	0
0.987418	0.983916	0	0	0	0	0	0
0.996067	0.986073	0	0	0	0	0	0
0.997141	0.990819	0	0	0	0	0	0
0.970466	0.956277	0	0	0	0	0	0
0.021848	0.123071	0.01	0	0	0	0	0
0.985338	0.967576	0	0	0	0	0	0
0.986275	0.965383	0	0	0	0	0	0
0.90893	0.929102	0	1	0	0	0	0
0.999102	0.999253	0	0	0	0	0	0
0.999072	0.999665	0	0	0	0	0	0
0.016292	0.043568	0	0	0	0	0	0
0.01827	0.008257	0	0	0	0	0	0
0.994882	0.99119	0	0	0	0	0	0
0.99296	0.766167	0.15	0	0	0	0	0
0.999144	0.99656	0	0	0	0	0	0
0.998289	0.99808	0	0	0	0	0	0
0.998957	0.996426	0	0	0	0	0	0
0.996876	0.98222	0	0	0	4	0	0
0.985681	0.977941	0	0	0	0	0	0
0.986909	0.988961	0	0	0	0	0	0
0.97722	0.662313	0.22	0	1	0	0	0
0.096113	0.257248	0	0	0	0	0	0
0.052575	0.091158	0	0	0	0	0	0
0.071745	0.072362	0	0	0	0	0	0
0.078572	0.123455	0	0	0	0	0	0
0.265414	0.394487	0	0	0	0	0	0
0.242647	0.194325	0	0	0	0	0	0
0.323876	0.278064	0	0	0	0	0	0
0.986346	0.978586	0	0	0	0	0	0
0.060467	0.090615	0	0	0	0	0	0
0.944961	0.957169	0	0	0	0	0	0
0.990119	0.977538	0	0	0	0	0	0
0.992762	0.975418	0	0	0	0	0	0

0.013191	0.037763	0	0	0	0	0	0
0.99458	0.995162	0	0	0	0	0	0
0.986963	0.964878	0	0	0	0	0	0
0.960346	0.914683	0	0	0	0	0	0
0.990995	0.996056	0	0	0	0	0	0
0.966566	0.956481	0	0	0	0	0	0
0.978554	0.95488	0	0	0	0	0	0
0.97391	0.939651	0	0	0	0	0	0
0.971785	0.94986	0	0	0	0	0	0
0.971854	0.9452	0	0	0	0	0	0
0.968576	0.947741	0	0	0	0	0	0
0.975868	0.943914	0	0	0	0	0	0
0.986215	0.970061	0	0	0	0	0	0
0.014936	0.020603	0	0	0	0	0	0
0.909528	0.9688	0	0	0	0	0	0
0.969015	0.945135	0	2	0	0	0	0
0.959843	0.950408	0	0	0	0	0	0
0.953029	0.933813	0	0	0	0	0	0
0.94995	0.947043	0	0	0	0	0	0
0.068524	0.211124	0	0	0	0	0	0
0.962274	0.953017	0	0	0	0	0	0
0.928325	0.948576	0	0	0	0	0	0
0.966808	0.958037	0	0	0	0	0	0
0.960173	0.96001	0	0	0	0	0	0
0.965062	0.959569	0	0	0	0	0	0
0.973926	0.791274	0.01	0	0	0	0	0
0.969555	0.893722	0	0	0	0	0	0
0.972693	0.951792	0	0	0	0	0	0
0.976243	0.967175	0	0	0	0	0	0
0.981707	0.942292	0	0	0	0	0	0
0.970069	0.98368	0	0	0	0	0	0
0.94548	0.970011	0	0	0	0	0	0
0.981404	0.980119	0	0	0	0	0	0
0.984969	0.980062	0	0	0	0	0	0
0.967625	0.930687	0	0	0	0	0	0
0.053961	0.040111	0	0	0	0	0	0
0.969441	0.918467	0	0	0	0	0	0
0.965002	0.939425	0	0	0	0	0	0
0.966881	0.955654	0	0	0	0	0	0
0.954954	0.944381	0	0	0	0	0	0
0.061488	0.031118	0	0	0	0	0	0
0.967044	0.916181	0	0	0	0	0	0
0.965471	0.954179	0	0	0	0	0	0
0.983633	0.979224	0	0	0	0	0	0
0.982786	0.963218	0	0	0	0	0	0
0.990486	0.976807	0	0	0	0	0	0
0.986939	0.976175	0	0	0	0	0	0

0.989189	0.957336	0	0	0	0	0	0
0.995057	0.995259	0	0	0	0	0	0
0.956977	0.953083	0	0	0	0	0	0
0.992379	0.995594	0	0	0	0	0	0
0.994496	0.996525	0	0	0	0	0	0
0.986398	0.997336	0	0	0	0	0	0
0.993686	0.995364	0	0	0	0	0	0
0.993218	0.996949	0	0	0	0	0	0
0.988254	0.989013	0	0	0	0	0	0
0.990607	0.955458	0	0	0	0	0	0
0.007532	0.007201	0	0	0	0	0	0
0.025345	0.042029	0	0	0	0	0	0
0.025473	0.043049	0	0	0	0	0	0
0.988251	0.944214	0	0	0	0	0	0
0.987511	0.937562	0	0	0	0	0	0
0.993617	0.976011	0	0	0	0	0	0
0.988966	0.935534	0	0	0	0	0	0
0.026466	0.202058	0.01	0	0	0	0	0
0.987745	0.973814	0	0	0	0	0	0
0.993531	0.961463	0	0	0	0	0	0
0.99124	0.89764	0.02	0	0	0	0	0
0.994955	0.982263	0	0	0	0	0	0
0.995795	0.98907	0	0	0	0	0	0
0.010016	0.018678	0	0	0	0	0	0
0.994765	0.989653	0	0	0	0	0	0
0.996394	0.994126	0	0	0	0	0	0
0.006793	0.008854	0	0	0	0	0	0
0.996886	0.992319	0	0	0	0	0	0
0.011177	0.128298	0.05	0	0	0	0	0
0.018855	0.02236	0	0	0	0	0	0
0.996232	0.99563	0	0	0	0	0	0
0.994619	0.982794	0	0	0	0	0	0
0.976796	0.97836	0	0	0	0	0	0
0.997904	0.998191	0	0	0	0	0	0
0.017536	0.069233	0	0	0	0	0	0
0.038739	0.484281	0.31	0	0	0	0	0
0.962395	0.958829	0	0	0	0	0	0
0.997383	0.981743	0	0	0	0	0	0
0.995556	0.992914	0	0	0	0	0	0
0.979245	0.987071	0	0	0	0	0	0
0.991494	0.994353	0	0	0	0	0	0
0.995354	0.944462	0.02	0	0	0	0	0
0.99502	0.99787	0	0	0	0	0	0
0.995796	0.997666	0	0	0	0	0	0
0.986593	0.912532	0.02	0	0	0	0	0
0.918055	0.950299	0	0	0	0	0	0
0.95214	0.957532	0	0	0	0	0	0

0.989398	0.929935	0	0	0	0	0	0
0.088635	0.05048	0	0	0	0	0	0
0.415582	0.407554	0	0	0	0	0	0
0.162931	0.063551	0	0	0	0	0	0
0.540535	0.6825	0	0	0	0	0	0
0.980521	0.995249	0	0	0	0	0	0
0.982846	0.968846	0.02	0	0	0	0	0
0.992592	0.937138	0.03	0	0	0	0	0
0.955673	0.911541	0.01	0	0	0	0	0
0.997391	0.980109	0	0	0	0	0	0
0.993637	0.994797	0	0	0	0	0	0
0.127523	0.287488	0.08	0	0	0	0	0
0.989101	0.980396	0	0	0	0	0	0
0.994515	0.979859	0	0	0	0	0	0
0.994863	0.995818	0	0	0	0	0	0
0.970293	0.85795	0.04	0	0	0	0	0
0.995529	0.995304	0	0	0	0	0	0
0.984695	0.968932	0	0	0	0	0	0
0.975748	0.959394	0	0	0	0	0	0
0.97657	0.959343	0	0	0	0	0	0
0.973031	0.965241	0	0	0	0	0	0
0.980125	0.901943	0	0	0	0	0	0
0.96169	0.939123	0	0	0	0	0	0
0.986287	0.864655	0.01	0	0	0	0	0
0.987644	0.947419	0	0	0	0	0	0
0.986943	0.986063	0	0	0	0	0	0
0.99864	0.988656	0	0	0	0	0	0
0.002437	0.003273	0	0	0	0	0	0
0.998963	0.999051	0	0	0	0	0	0
0.003248	0.043354	0	0	0	0	0	0
0.99659	0.996721	0	0	0	0	0	0
0.996447	0.998792	0	0	0	0	0	0
0.978301	0.973247	0	0	0	0	0	0
0.994942	0.986756	0	0	0	0	0	0
0.990046	0.985393	0	0	0	0	0	0
0.987675	0.954553	0	0	0	0	0	0
0.984665	0.973174	0	0	0	0	0	0
0.987015	0.986399	0	0	0	0	0	0
0.016153	0.046206	0	0	0	0	0	0
0.125206	0.089362	0	0	0	0	0	0
0.960887	0.959014	0	0	0	0	0	0
0.98715	0.942117	0	0	0	0	0	0
0.993958	0.97554	0	0	0	0	0	0
0.990892	0.986959	0	0	0	0	0	0
0.978928	0.985617	0	0	0	0	0	0
0.992767	0.996051	0	0	0	0	0	0
0.018559	0.016939	0	0	0	0	0	0

0.979492	0.989516	0	0	0	0	0	0
0.991509	0.997115	0	0	0	0	0	0
0.995305	0.994769	0	0	0	0	0	0
0.996713	0.996066	0	0	0	0	0	0
0.991377	0.997395	0	0	0	0	0	0
0.991174	0.996708	0	0	0	0	0	0
0.98948	0.997299	0	0	0	0	0	0
0.989569	0.989427	0	0	0	0	0	0
0.038085	0.013247	0	0	0	0	0	0
0.978779	0.980921	0	0	0	0	0	0
0.99048	0.98953	0	0	0	0	0	0
0.983384	0.948746	0	0	0	0	0	0
0.986829	0.990846	0	0	0	0	0	0
0.992995	0.993542	0	0	0	0	0	0
0.997507	0.998618	0	0	0	0	0	0
0.987838	0.99726	0	0	0	0	0	0
0.007298	0.005846	0	0	0	0	0	0
0.991781	0.989231	0	0	0	0	0	0
0.991526	0.989266	0	0	0	0	0	0
0.99498	0.965581	0	0	0	0	0	0
0.991512	0.991853	0	0	0	0	0	0
0.99027	0.994121	0	0	0	0	0	0
0.027786	0.038061	0	0	0	0	0	0
0.993421	0.951974	0	0	0	0	0	0
0.013161	0.024333	0	0	0	0	0	0
0.990025	0.913486	0	0	0	0	0	0
0.991239	0.981775	0	0	0	0	0	0
0.994399	0.995346	0	0	0	0	0	0
0.995172	0.981752	0	0	0	0	0	0
0.993098	0.994311	0	0	0	0	0	0
0.035927	0.058276	0	0	0	0	0	0
0.993509	0.987022	0	0	0	0	0	0
0.990631	0.804518	0.1	0	0	0	0	0
0.009295	0.005944	0	0	0	0	0	0
0.984374	0.978481	0	0	0	0	0	0
0.989967	0.987379	0	0	0	0	0	0
0.982214	0.983088	0	0	0	0	0	0
0.98528	0.992845	0	0	0	0	0	0
0.960822	0.969426	0	0	0	0	0	0
0.029838	0.049454	0	0	0	0	0	0
0.954241	0.944799	0	0	0	0	0	0
0.984519	0.990452	0	0	0	0	0	0
0.985368	0.99397	0	0	0	0	0	0
0.014962	0.015454	0	0	0	0	0	0
0.988158	0.987341	0	0	0	0	0	0
0.985928	0.970967	0	0	0	0	0	0
0.989334	0.975376	0	0	0	0	0	0

0.97705	0.986007	0	0	0	0	0	0
0.96504	0.971201	0	0	0	0	0	0
0.987387	0.989406	0	0	0	0	0	0
0.979129	0.982591	0	0	0	0	0	0
0.980239	0.987688	0	0	0	0	0	0
0.962742	0.987652	0	0	0	0	0	0
0.98479	0.982809	0	0	0	0	0	0
0.990115	0.988192	0	0	0	0	0	0
0.992071	0.989648	0	0	0	0	0	0
0.990172	0.987926	0	0	0	0	0	0
0.984947	0.983911	0	0	0	0	0	0
0.985173	0.987869	0	0	0	0	0	0
0.981821	0.98896	0	0	0	0	0	0
0.064523	0.030205	0	0	0	0	0	0
0.049913	0.050824	0	0	0	0	0	0
0.940974	0.977349	0	0	0	0	0	0
0.051837	0.041411	0	0	0	0	0	0
0.250344	0.172167	0	0	0	0	0	0
0.918808	0.95732	0	0	0	0	0	0
0.943843	0.9785	0	0	0	0	0	0
0.948031	0.989333	0	0	0	0	0	0
0.966073	0.989089	0	0	0	0	0	0
0.975984	0.967584	0	0	0	0	0	0
0.981524	0.975832	0	0	0	0	0	0
0.987192	0.891595	0	0	0	0	0	0
0.984439	0.985265	0	0	0	0	0	0
0.981025	0.974106	0	0	0	0	0	0
0.012663	0.004964	0	0	0	0	0	0
0.994402	0.995428	0	0	0	0	0	0
0.991423	0.995515	0	0	0	0	0	0
0.996249	0.992116	0	0	0	0	0	0
0.995286	0.99213	0	0	0	0	0	0
0.023988	0.01432	0	0	0	0	0	0
0.994955	0.994433	0	0	0	0	0	0
0.953139	0.946557	0	0	0	0	0	0
0.95913	0.98839	0	0	0	0	0	0
0.968782	0.957268	0	0	0	0	0	0
0.946219	0.952678	0	0	0	0	0	0
0.986921	0.970994	0	0	0	0	0	0
0.988186	0.968147	0	0	0	0	0	0
0.991005	0.994449	0	0	0	0	0	0
0.007245	0.003333	0	0	0	0	0	0
0.965432	0.966991	0	0	0	0	0	0
0.034196	0.026461	0	0	0	0	0	0
0.986249	0.99453	0	0	0	0	0	0
0.991959	0.995066	0	0	0	0	0	0
0.94835	0.984297	0	0	0	0	0	0

0.989272	0.979727	0	0	0	0	0	0
0.990422	0.997351	0	0	0	0	0	0
0.068422	0.296963	0.05	0	0	0	0	0
0.998318	0.996776	0	0	0	0	0	0
0.999239	0.992748	0	0	0	0	0	0
0.002758	0.004502	0	0	0	0	0	0
0.987835	0.971449	0	0	0	0	0	0
0.019985	0.013245	0	0	0	0	0	0
0.325697	0.384143	0	0	0	0	0	0
0.994704	0.995656	0	0	0	0	0	0
0.94313	0.958015	0	0	0	0	0	0
0.975618	0.938159	0	0	0	0	0	0
0.971059	0.934616	0	0	0	0	0	0
0.981592	0.973307	0	0	0	0	0	0
0.986885	0.970616	0	0	0	0	0	0
0.991624	0.989109	0	0	0	0	0	0
0.988506	0.988841	0	0	0	0	0	0
0.983589	0.922154	0	0	0	0	0	0
0.998125	0.631035	0.17	0	0	0	0	0
0.994016	0.992326	0	0	0	0	0	0
0.708769	0.354521	0.25	0	0	6	0	0
0.017389	0.041592	0	0	0	0	0	0
0.994869	0.996725	0	0	0	0	0	0
0.995547	0.990698	0	0	0	0	0	0
0.991536	0.953532	0	0	0	0	0	0
0.971969	0.980854	0	0	0	0	0	0
0.996297	0.995951	0	0	0	0	0	0
0.978408	0.997868	0	0	0	0	0	0
0.997278	0.998002	0	0	0	0	0	0
0.997153	0.982134	0	0	0	0	0	0
0.996366	0.986763	0	0	0	0	0	0
0.006439	0.005811	0	0	0	0	0	0
0.03591	0.057542	0	0	0	0	0	0
0.023444	0.054981	0	0	0	0	0	0
0.036797	0.044317	0	0	0	0	0	0
0.972419	0.855816	0	0	0	0	0	0
0.987285	0.978836	0	0	0	0	0	0
0.021575	0.058658	0	0	0	0	0	0
0.894309	0.877416	0	0	0	0	0	0
0.017568	0.028015	0	0	0	0	0	0
0.956076	0.689054	0.21	0	0	0	0	0
0.979021	0.977388	0	0	0	0	0	0
0.998976	0.999529	0	0	0	0	0	0
0.983103	0.933801	0.05	0	0	0	0	0
0.005531	0.013625	0	0	0	0	0	0
0.977876	0.992842	0	0	0	0	0	0
0.011175	0.019456	0	0	0	0	0	0

0.995972	0.994883	0	0	0	0	0	0
0.987214	0.977036	0	0	0	0	0	0
0.979234	0.7799	0.03	0	0	0	0	0
0.990262	0.994026	0	0	0	0	0	0
0.991439	0.990346	0	0	0	0	0	0
0.987516	0.968585	0	0	0	0	0	0
0.985553	0.94117	0	0	0	0	0	0
0.980555	0.929166	0	0	0	0	0	0
0.907598	0.875113	0	0	0	0	0	0
0.008071	0.008772	0	0	0	0	0	0
0.997331	0.98864	0	0	0	0	0	0
0.99382	0.995319	0	0	0	0	0	0
0.995919	0.946101	0.01	0	0	0	0	0
0.997179	0.95472	0.01	0	0	0	5	0
0.77817	0.869485	0	0	0	0	0	0
0.72536	0.853569	0.06	0	0	0	0	0
0.981047	0.957341	0	0	0	0	0	0
0.978636	0.988229	0	0	0	0	0	0
0.990241	0.996129	0	0	0	0	0	0
0.992022	0.994592	0	0	0	0	0	0
0.991605	0.994882	0	0	0	0	0	0
0.975273	0.951958	0	0	0	0	0	0
0.994018	0.992132	0	0	0	0	0	0
0.994774	0.982171	0	0	0	0	0	0
0.994119	0.981472	0	0	0	0	3	3
0.995195	0.991768	0	0	0	0	0	0
0.09147	0.128369	0	0	0	0	0	0
0.965438	0.984942	0	0	0	0	0	0
0.918397	0.977131	0	0	0	0	0	0
0.954583	0.876152	0	0	0	0	0	0
0.978661	0.978747	0	0	0	0	0	0
0.977149	0.974295	0	0	0	0	0	0
0.915461	0.951061	0	0	0	0	0	0
0.972688	0.944898	0	0	0	0	0	0
0.972003	0.933653	0	0	0	0	0	0
0.979798	0.96542	0	0	0	0	0	0
0.976374	0.955077	0	0	0	0	0	0
0.975369	0.942385	0	0	0	0	0	0
0.922402	0.822136	0	0	0	0	0	0
0.987993	0.910434	0	0	0	0	0	0
0.98442	0.96162	0	0	0	0	0	0
0.986151	0.958615	0	0	0	0	0	0
0.990064	0.958028	0	0	0	0	0	0
0.982332	0.973625	0	0	0	0	0	0
0.989464	0.983002	0	0	0	0	0	0
0.979816	0.870519	0	0	0	0	0	0
0.983288	0.543384	0.22	0	0	0	0	0

0.941805	0.559382	0	0	0	0	0	0
0.005727	0.014002	0	0	0	0	0	0
0.030473	0.035462	0	0	0	0	0	0
0.988588	0.986723	0	0	0	0	0	0
0.993493	0.979022	0	0	0	0	0	0
0.990052	0.990603	0	0	0	0	0	0
0.993098	0.994817	0	0	0	0	0	0
0.900837	0.967781	0	0	0	0	0	0
0.991398	0.974421	0	0	0	0	0	0
0.98112	0.989991	0	0	0	0	0	0
0.985143	0.942469	0	0	0	0	0	0
0.992244	0.958551	0	0	0	0	0	0
0.994194	0.964179	0	0	0	0	0	0
0.995042	0.976829	0	0	0	0	0	0
0.998589	0.980005	0	0	0	0	0	0
0.997275	0.986212	0	0	0	0	0	0
0.984098	0.990685	0	0	0	0	0	0
0.024013	0.015916	0	0	0	0	0	0
0.046832	0.029988	0	0	0	0	0	0
0.887812	0.972714	0	0	0	0	0	0
0.04826	0.024117	0	0	0	0	0	0
0.928716	0.965188	0	0	0	0	0	0
0.973126	0.876585	0	0	0	0	0	0
0.998601	0.999231	0	0	0	0	0	0
0.058804	0.229754	0.09	0	0	0	0	0
0.997785	0.998589	0	0	0	0	0	0
0.987433	0.989635	0	0	0	0	0	0
0.98306	0.988567	0	0	0	0	0	0
0.98018	0.989909	0	0	0	0	0	0
0.998129	0.996618	0	0	0	0	0	0
0.992776	0.996218	0	0	0	0	7	7
0.98635	0.990784	0	7	0	0	0	0
0.996582	0.902287	0.05	0	0	0	5	5
0.962514	0.959901	0	0	0	0	0	0
0.068245	0.065296	0	0	0	0	0	0
0.989057	0.968956	0	0	0	0	0	0
0.983915	0.954128	0	0	0	0	0	0
0.988888	0.952577	0	0	0	0	0	0
0.988683	0.959309	0	0	0	0	0	0
0.058119	0.047658	0	0	0	0	0	0
0.973343	0.953397	0	0	0	0	0	0
0.987696	0.973968	0	0	0	0	0	0
0.981051	0.957945	0	0	0	0	0	0
0.983696	0.986768	0	0	0	0	0	0
0.035685	0.060408	0	0	0	0	0	0
0.989908	0.972376	0	0	0	0	0	0
0.098139	0.294545	0	0	0	0	0	0

0.994981	0.993206	0	0	0	0	0	0
0.994574	0.995451	0	0	0	0	0	0
0.991399	0.992235	0	0	0	0	0	0
0.993288	0.996077	0	0	0	0	0	0
0.994518	0.997033	0	0	0	0	0	0
0.992253	0.997242	0	0	0	0	0	0
0.991163	0.991911	0	0	0	0	0	0
0.990679	0.965711	0	0	0	0	0	0
0.068459	0.114573	0	0	0	0	0	0
0.987091	0.988079	0	0	0	0	0	0
0.991895	0.988963	0	0	0	0	0	0
0.993084	0.993052	0	0	0	0	0	0
0.952352	0.809499	0.05	0	0	0	0	0
0.993297	0.991665	0	0	0	0	0	0
0.992811	0.979165	0	0	0	0	0	0
0.230921	0.622948	0	0	0	0	0	0
0.980918	0.9876	0	0	0	0	0	0
0.795258	0.94012	0	0	0	0	0	0
0.986061	0.961828	0	0	0	0	0	0
0.982497	0.962464	0	0	0	0	0	0
0.991599	0.98732	0	0	0	0	0	0
0.995521	0.983056	0	0	0	0	0	0
0.969546	0.887312	0	0	0	0	0	0
0.965619	0.892344	0	0	0	0	0	0
0.01029	0.02852	0	0	0	0	0	0
0.978046	0.964655	0	0	0	0	0	0
0.990178	0.895005	0.05	0	0	0	0	0
0.025761	0.005997	0	0	0	0	0	0
0.994496	0.995118	0	0	0	0	0	0
0.032586	0.046111	0	0	0	0	0	0
0.033585	0.097144	0	0	0	0	0	0
0.983144	0.978953	0	0	0	0	0	0
0.985271	0.975452	0	0	0	0	0	0
0.973018	0.961868	0	0	0	0	0	0
0.988756	0.99474	0	0	0	0	0	0
0.982142	0.983256	0	0	0	0	0	0
0.983493	0.976322	0	0	0	0	0	0
0.983472	0.984232	0	0	0	0	0	0
0.976993	0.951585	0	0	0	0	0	0
0.01241	0.010552	0	0	0	0	0	0
0.038496	0.021742	0	0	0	0	0	0
0.997891	0.989744	0	0	0	0	0	0
0.992061	0.959441	0.03	0	0	0	0	0
0.995214	0.998662	0	0	0	0	0	0
0.994352	0.985465	0	0	0	0	0	0
0.973625	0.969401	0	0	0	0	0	0
0.974354	0.950832	0	0	0	0	0	0

0.927585	0.903541	0	0	0	0	0	0
0.332931	0.321807	0	0	0	0	0	0
0.98705	0.945733	0	0	0	0	0	0
0.967994	0.939535	0	0	0	0	0	0
0.9865	0.965254	0	0	0	0	0	0
0.984757	0.975579	0	0	0	0	0	0
0.0324	0.038887	0	0	0	0	0	0
0.982798	0.980524	0	0	0	0	0	0
0.994619	0.994359	0	0	0	0	0	0
0.993112	0.995314	0	0	0	0	0	0
0.994932	0.979793	0	0	0	0	0	0
0.993286	0.997848	0	0	0	0	0	0
0.004289	0.001469	0	0	0	0	0	0
0.937357	0.927381	0	0	0	0	0	0
0.994837	0.996568	0	0	0	0	0	0
0.966246	0.836315	0	0	0	0	0	0
0.981593	0.98184	0	0	0	0	0	0
0.976626	0.927693	0	0	0	0	0	0
0.293614	0.11998	0	0	0	0	0	0
0.977701	0.880832	0	0	0	0	0	0
0.030025	0.062112	0	0	0	0	0	0
0.976177	0.933952	0	0	0	0	0	0
0.98463	0.945889	0	0	0	0	0	0
0.964205	0.940053	0	0	0	0	0	0
0.962009	0.945012	0	0	0	0	0	0
0.920503	0.959818	0	0	0	0	0	0
0.9469	0.941372	0	0	0	0	0	0
0.996592	0.996084	0	0	0	0	0	0
0.99301	0.995058	0	0	0	0	0	0
0.899356	0.942925	0	0	0	0	0	0
0.975708	0.94545	0	0	0	0	0	0
0.976936	0.952095	0	0	0	0	0	0
0.979373	0.761963	0.03	0	0	0	0	0
0.952247	0.591064	0.12	0	0	0	0	0
0.940325	0.526145	0.15	0	0	0	0	0
0.958533	0.953009	0	0	0	0	0	0
0.2659	0.085617	0	0	0	0	0	0
0.982933	0.947964	0	0	0	0	0	0
0.98098	0.949673	0	0	0	0	0	0
0.98717	0.970859	0	0	0	0	0	0
0.977126	0.812264	0	0	0	0	0	0
0.986683	0.933424	0	0	0	0	0	0
0.985184	0.969763	0	0	0	0	0	0
0.275744	0.37176	0	0	0	0	0	0
0.968153	0.967828	0	0	0	0	0	0
0.956783	0.974986	0	0	0	0	0	0
0.967347	0.987207	0	0	0	0	0	0

0.058242	0.030746	0	0	0	0	0	0
0.96334	0.988455	0	0	0	0	0	0
0.97789	0.975815	0	0	0	0	0	0
0.986331	0.988406	0	0	0	0	0	0
0.892983	0.906222	0	0	0	0	0	0
0.994485	0.999132	0	0	0	0	0	0
0.991806	0.995941	0	0	0	0	0	0
0.982679	0.97712	0	0	0	0	0	0
0.993107	0.997678	0	0	0	0	0	0
0.985221	0.989986	0	0	0	0	0	0
0.94578	0.951841	0	0	0	0	0	0
0.00883	0.005388	0	0	0	0	0	0
0.989881	0.990383	0	0	0	0	0	0
0.970722	0.959454	0	0	0	0	0	0
0.984924	0.988753	0	0	0	0	0	0
0.959914	0.940427	0	0	0	0	0	0
0.995905	0.989048	0	0	0	0	0	0
0.95167	0.850571	0.03	0	0	0	0	0
0.996007	0.919734	0.03	0	0	0	0	0
0.97976	0.756573	0.14	0	0	0	0	0
0.978968	0.757159	0.14	0	0	0	0	0
0.974817	0.746877	0.13	0	0	0	0	0
0.977782	0.978803	0	0	0	0	0	0
0.909918	0.691264	0	0	0	0	0	0
0.885621	0.676191	0	0	0	0	0	0
0.969372	0.948494	0	0	0	0	0	0
0.96512	0.964167	0	0	0	0	0	0
0.97545	0.974126	0	0	0	0	0	0
0.940648	0.967543	0	0	0	0	0	0
0.937025	0.885254	0	0	0	0	0	0
0.063652	0.424009	0.12	0	0	0	0	0
0.983585	0.94716	0	0	0	0	0	0
0.978704	0.756177	0.08	0	0	0	0	0
0.984223	0.982107	0	0	0	0	0	0
0.9823	0.979748	0	0	0	0	0	0
0.983067	0.976758	0	0	0	0	0	0
0.988456	0.98285	0	0	0	0	0	0
0.992291	0.964788	0	0	0	0	0	0
0.967889	0.966738	0	0	0	0	0	0
0.989689	0.989834	0	0	0	0	0	0
0.984505	0.963622	0	0	0	0	0	0
0.973894	0.864193	0.01	0	0	0	0	0
0.969224	0.966419	0	0	0	0	0	0
0.994498	0.99714	0	0	0	0	0	0
0.998976	0.998606	0	0	0	0	0	0
0.959803	0.94024	0	0	0	0	0	0
0.998432	0.994768	0	0	0	0	0	0

0.996964	0.993116	0	0	0	0	0	0
0.987928	0.947085	0	0	0	0	0	0
0.017677	0.015309	0	0	0	0	0	0
0.016157	0.040335	0	0	0	0	0	0
0.993846	0.993424	0	0	0	0	0	0
0.988284	0.989436	0	0	0	0	0	0
0.979373	0.943487	0	0	0	0	0	0
0.991965	0.96689	0	0	0	0	0	0
0.989809	0.978963	0	0	0	0	0	0
0.017114	0.050139	0	0	0	0	0	0
0.986621	0.98084	0	0	0	0	0	0
0.965763	0.867449	0	0	0	0	0	0
0.99073	0.97791	0	0	0	0	1	0
0.990348	0.986231	0	0	0	0	0	0
0.996509	0.985703	0	0	0	0	0	0
0.979992	0.946852	0	0	0	0	0	0
0.998816	0.998449	0	0	0	0	0	0
0.981603	0.992669	0	0	0	0	0	0
0.952029	0.90329	0	0	0	0	0	0
0.996759	0.961223	0	0	0	0	0	0
0.994754	0.9461	0	0	0	0	0	0
0.984031	0.906515	0	0	0	0	0	0
0.994346	0.959887	0	0	0	0	0	0
0.995072	0.949978	0	0	0	0	0	0
0.97338	0.972009	0	0	0	0	0	0
0.992682	0.995881	0	0	0	0	0	0
0.313891	0.554904	0.04	0	0	0	0	0
0.982018	0.9833	0	0	0	0	0	0
0.7665	0.943542	0.02	0	0	0	0	0
0.983756	0.977483	0	0	0	0	0	0
0.985728	0.990613	0	0	0	0	0	0
0.960813	0.985823	0	0	0	0	0	0
0.968656	0.975333	0	0	0	0	0	0
0.972554	0.988797	0	0	0	0	0	0
0.983728	0.991771	0	0	0	0	0	0
0.988359	0.97436	0	0	0	0	0	0
0.936985	0.882051	0	0	0	0	0	0
0.966009	0.890986	0	0	0	0	0	0
0.973043	0.965466	0	0	0	0	0	0
0.971377	0.968346	0	0	0	0	0	0
0.736907	0.862967	0	0	0	0	0	0
0.967522	0.974705	0	0	0	0	0	0
0.042656	0.021744	0	0	0	0	0	0
0.05775	0.224717	0	0	0	0	0	0
0.985239	0.98094	0	0	0	0	0	0
0.986302	0.88064	0.02	0	0	0	0	0
0.960695	0.537199	0.04	0	0	0	0	0

0.977606	0.958274	0	0	0	0	0	0
0.992064	0.834968	0	0	0	0	0	0
0.804342	0.763122	0	0	0	0	2	2
0.901127	0.972922	0	0	0	0	0	0
0.995908	0.995918	0	0	0	0	0	0
0.998926	0.997972	0	0	0	0	0	0
0.980381	0.96402	0	0	0	0	0	0
0.002615	0.008508	0	0	0	0	0	0
0.990388	0.993437	0	0	0	0	0	0
0.979955	0.994905	0	0	0	0	0	0
0.996713	0.99503	0	0	0	0	0	0
0.996732	0.883672	0.09	0	0	0	0	0
0.864256	0.869785	0	0	0	0	0	0
0.980595	0.990623	0	0	0	0	0	0
0.712553	0.701599	0	0	0	0	0	0
0.29115	0.148211	0	0	0	0	0	0
0.982243	0.8849	0	0	0	0	0	0
0.300987	0.541275	0	0	0	0	0	0
0.293363	0.252425	0	0	0	0	0	0
0.171424	0.119948	0	0	0	0	0	0
0.111099	0.067844	0	0	0	0	0	0
0.042886	0.08093	0	0	0	0	0	0
0.998061	0.994168	0	0	0	0	0	0
0.015587	0.107301	0.04	0	0	0	0	0
0.999271	0.993948	0	0	0	0	0	0
0.99863	0.995344	0	0	0	0	0	6
0.016893	0.028827	0	0	1	1	0	0
0.995773	0.996833	0	0	0	0	0	0
0.998866	0.998434	0	0	0	0	0	0
0.996185	0.990032	0	0	0	0	0	0
0.995578	0.983049	0	0	0	0	0	0
0.999235	0.997866	0	0	0	0	1	1
0.001161	0.00528	0	0	0	7	1	5
0.002254	0.007672	0	0	0	7	0	0
0.139598	0.241544	0.12	0	0	5	0	0
0.146025	0.30926	0.05	0	0	0	0	0
0.000692	0.000855	0	0	0	0	0	0
0.342121	0.015673	0.28	0	0	18	2	0
0.561181	0.062634	0.44	0	0	5	16	0
0.960801	0.977424	0	0	0	0	0	0
0.988716	0.953772	0	0	0	0	0	0
0.994609	0.87655	0	0	0	0	0	0
0.989174	0.964703	0	0	0	0	0	0
0.996232	0.983918	0	0	0	0	0	0
0.997266	0.979989	0	0	0	0	0	0
0.880958	0.807455	0	0	0	0	0	0
0.737394	0.708313	0	0	0	0	0	0

0.991907	0.949715	0	0	0	0	0	0
0.991922	0.943641	0	0	1	0	0	0
0.991205	0.973285	0	0	0	0	0	0
0.990775	0.950043	0	0	0	0	0	0
0.991634	0.944819	0	0	0	0	0	0
0.986554	0.916781	0	0	0	0	0	0
0.974713	0.964622	0	0	0	0	0	0
0.97415	0.808094	0.01	0	0	0	0	0
0.153258	0.567542	0.07	0	0	0	0	0
0.986384	0.994613	0	0	0	0	0	0
0.018738	0.041418	0	0	0	0	0	0
0.983541	0.96216	0	0	0	0	0	0
0.022562	0.062053	0	0	0	0	0	0
0.984105	0.965334	0	0	0	0	0	0
0.92895	0.961538	0	0	0	0	0	0
0.956067	0.937919	0	0	0	0	0	0
0.942218	0.928543	0	0	0	0	0	0
0.995859	0.993085	0	0	0	0	0	0
0.997007	0.958797	0	0	0	0	0	0
0.994496	0.998155	0	0	0	0	0	0
0.041641	0.022159	0	0	0	0	0	0
0.22123	0.197878	0	0	0	0	0	0
0.994753	0.984958	0	0	0	0	0	0
0.95695	0.956875	0	0	0	0	0	0
0.966197	0.946596	0	0	0	0	0	0
0.968229	0.95663	0	0	0	0	0	0
0.12637	0.055692	0	0	0	0	0	0
0.966643	0.985422	0	0	0	0	0	0
0.975139	0.967367	0	0	0	0	0	0
0.32469	0.427659	0	0	0	0	0	0
0.018816	0.008978	0	0	0	0	0	0
0.990611	0.972023	0	0	0	0	0	0
0.965142	0.944198	0	0	0	0	0	0
0.945287	0.911625	0	0	0	0	0	0
0.034364	0.181504	0.05	0	0	0	0	0
0.996702	0.994811	0	0	0	0	0	0
0.994771	0.997353	0	0	0	0	0	0
0.995267	0.997746	0	0	0	0	0	0
0.996406	0.997836	0	0	0	0	0	0
0.997128	0.997434	0	0	0	0	0	0
0.992286	0.968314	0	0	0	0	0	0
0.990575	0.992465	0	0	0	0	0	0
0.989724	0.962311	0	0	0	0	0	0
0.975917	0.978266	0	0	0	0	0	0
0.956372	0.960156	0	0	0	0	0	0
0.994324	0.988426	0	0	0	0	0	0
0.007669	0.039978	0	0	0	0	0	0

0.962617	0.991134	0	0	0	0	0	0
0.906596	0.956698	0	0	0	0	0	0
0.961683	0.927558	0	0	0	0	0	0
0.967109	0.915016	0	0	0	0	0	0
0.989498	0.925302	0.03	0	0	0	0	0
0.98886	0.98184	0	0	0	0	0	0
0.990069	0.993174	0	0	0	0	0	0
0.986966	0.843457	0.03	0	0	0	0	0
0.994273	0.997713	0	0	0	0	0	0
0.988523	0.991969	0	0	0	0	0	0
0.988102	0.980803	0	0	0	0	0	0
0.992423	0.99137	0	0	0	0	0	0
0.989528	0.98088	0	0	0	0	0	0
0.992803	0.962322	0	0	0	0	0	0
0.99456	0.996831	0	0	0	0	0	0
0.989952	0.986214	0	0	0	0	0	0
0.37764	0.29673	0	0	0	0	0	0
0.619977	0.72663	0	0	0	0	0	0
0.936504	0.960946	0	0	0	2	0	0
0.971443	0.965496	0	0	0	0	0	0
0.998031	0.985413	0	0	0	0	0	0
0.990195	0.983427	0	0	0	0	0	0
0.079724	0.086527	0	0	0	0	0	0
0.993091	0.993341	0	0	0	0	0	0
0.950946	0.945651	0	0	0	0	0	0
0.036437	0.107439	0	0	0	0	0	0
0.61636	0.375475	0	0	0	0	0	0
0.761907	0.886691	0.05	0	0	0	0	0
0.023071	0.023311	0	0	0	0	0	0
0.989678	0.980163	0	0	0	0	0	0
0.9474	0.960972	0	0	0	0	0	0
0.167367	0.065413	0	0	0	0	0	0
0.986698	0.993727	0	0	0	0	0	0
0.991091	0.996416	0	0	0	0	0	0
0.988672	0.986235	0	0	0	0	0	0
0.983151	0.971652	0	0	0	0	0	0
0.989248	0.989872	0	0	0	0	0	0
0.01162	0.024058	0	0	0	0	0	0
0.524376	0.739587	0.08	0	0	0	0	0
0.996745	0.998588	0	0	0	0	0	0
0.995601	0.997067	0	0	0	0	0	0
0.996945	0.996239	0	0	0	0	0	0
0.971094	0.952228	0	0	0	0	0	0
0.963864	0.962073	0	0	0	0	0	0
0.064574	0.261842	0	0	0	0	0	0
0.974965	0.916658	0	0	0	0	0	0
0.984253	0.969774	0	0	0	0	0	0

0.976406	0.971487	0	0	0	0	0	0
0.992879	0.974394	0	0	0	0	0	0
0.006875	0.0337	0	0	0	0	0	0
0.006703	0.044067	0	0	0	0	0	0
0.996805	0.992387	0	0	0	0	0	0
0.946992	0.942822	0	0	0	0	0	0
0.854341	0.955557	0	0	0	0	0	0
0.037017	0.058861	0	0	0	0	0	0
0.92339	0.827475	0	0	0	0	0	0
0.299249	0.287013	0	0	0	0	0	0
0.866073	0.918597	0	0	0	0	0	0
0.970691	0.97029	0	0	2	0	0	0
0.96713	0.9596	0	0	0	0	0	0
0.967145	0.958979	0	0	0	0	0	0
0.99474	0.996926	0	0	0	0	0	0
0.9905	0.996501	0	0	0	0	0	0
0.983549	0.992744	0	0	0	0	0	0
0.958791	0.984671	0	0	0	0	0	0
0.041824	0.080582	0	0	0	0	0	0
0.996441	0.997569	0	0	0	0	0	0
0.138095	0.042625	0.03	0	0	0	0	0
0.109742	0.103957	0	0	0	0	0	0
0.990793	0.97485	0	0	0	0	0	0
0.971637	0.988991	0	0	0	0	0	0
0.995259	0.992744	0	0	0	0	0	0
0.989731	0.969861	0	0	0	0	0	0
0.977148	0.883148	0	0	0	0	0	0
0.990263	0.961926	0	0	0	0	3	2
0.946719	0.883283	0	0	0	0	8	9
0.219804	0.049801	0	0	15	20	9	9
0.719678	0.239126	0.19	5	11	10	9	1
0.820512	0.6764	0	0	0	1	0	0
0.990405	0.983163	0	0	0	0	0	0
0.991995	0.960042	0	0	0	0	0	0
0.992122	0.986821	0	0	0	0	0	0
0.996674	0.940657	0.01	0	0	0	0	0
0.997114	0.978666	0	0	0	0	0	0
0.991893	0.943565	0	0	0	0	0	0
0.994082	0.994657	0	0	0	0	0	0
0.994007	0.995017	0	0	0	0	0	0
0.992574	0.985157	0	0	0	0	0	0
0.991791	0.988392	0	0	0	0	0	0
0.016614	0.113572	0	0	0	0	0	0
0.017046	0.025098	0	0	0	0	0	0
0.995212	0.996207	0	0	0	0	0	0
0.007165	0.005187	0	0	0	0	0	0
0.995188	0.993353	0	0	0	0	0	0

0.995085	0.983283	0	0	0	0	0	0
0.996405	0.960844	0	0	0	0	0	0
0.095979	0.132272	0	0	0	0	0	0
0.931588	0.960661	0	0	0	0	0	0
0.991974	0.995622	0	0	0	0	0	0
0.993114	0.989678	0	0	0	0	0	0
0.993669	0.991824	0	0	0	0	0	0
0.99275	0.993895	0	0	0	0	0	0
0.990061	0.989054	0	0	0	0	0	0
0.036868	0.304702	0.02	0	0	0	0	0
0.989403	0.990084	0	0	0	0	0	0
0.993361	0.994823	0	0	0	0	0	0
0.009744	0.007656	0	0	0	0	0	0
0.990722	0.993744	0	0	0	0	0	0
0.987185	0.991699	0	0	0	0	0	0
0.007261	0.009144	0	0	0	0	0	0
0.996103	0.998341	0	0	0	0	0	0
0.996317	0.997024	0	0	0	0	0	0
0.984857	0.980528	0	0	0	0	0	0
0.995478	0.988778	0	0	0	0	0	0
0.99143	0.978512	0	0	0	0	0	0
0.993317	0.995114	0	0	0	0	0	0
0.988209	0.899398	0.03	0	0	0	0	0
0.99412	0.995556	0	0	0	1	0	0
0.978889	0.942392	0	0	0	0	0	0
0.970672	0.952779	0	0	0	0	0	0
0.052622	0.050154	0	0	0	0	0	0
0.981533	0.974644	0	0	0	0	0	0
0.975685	0.986114	0	0	0	0	0	0
0.951682	0.959406	0	0	0	0	0	0
0.979185	0.78708	0.02	0	0	0	0	0
0.05745	0.032609	0	0	0	0	0	0
0.053816	0.043203	0	0	0	0	0	0
0.96103	0.989607	0	0	0	0	0	0
0.982643	0.980955	0	0	0	0	0	0
0.906181	0.96118	0	0	0	0	0	0
0.962566	0.950065	0	0	0	0	0	0
0.887386	0.944242	0	0	0	0	0	0
0.9665	0.988624	0	0	0	0	0	0
0.9698	0.980914	0	0	0	0	0	0
0.958733	0.961096	0	0	0	0	0	0
0.994342	0.99157	0	0	0	0	0	0
0.994401	0.993242	0	0	0	0	0	0
0.008192	0.015686	0	0	0	0	0	0
0.014273	0.027897	0	0	0	0	0	0
0.979799	0.993159	0	0	0	0	0	0
0.99106	0.995215	0	0	0	0	0	0

0.985969	0.955228	0	0	0	0	0	0
0.974106	0.978646	0	0	0	0	0	0
0.994636	0.990126	0	0	0	0	0	0
0.224894	0.44696	0.11	0	0	0	0	0
0.052391	0.025449	0	0	0	0	0	0
0.002519	0.002431	0	0	0	0	0	0
0.278595	0.188503	0.02	0	0	0	0	0
0.994624	0.997999	0	0	0	0	0	0
0.995873	0.992211	0	0	0	0	0	0
0.996574	0.998172	0	0	0	0	0	0
0.008611	0.015719	0	0	0	0	0	0
0.995503	0.997257	0	0	0	0	0	0
0.997949	0.997999	0	0	0	0	0	0
0.967663	0.979813	0	0	0	0	0	0
0.973352	0.950023	0	0	0	0	0	0
0.985308	0.956364	0	0	5	0	0	0
0.043495	0.009685	0	0	0	0	0	0
0.509509	0.085294	0.31	0	0	0	0	0
0.99216	0.996142	0	0	0	0	0	0
0.961071	0.96422	0	0	0	0	0	0
0.949721	0.88858	0	0	0	0	0	0
0.958726	0.934468	0	0	0	0	0	0
0.688722	0.404198	0	0	0	0	0	0
0.951029	0.96813	0	0	0	0	0	0
0.979692	0.935034	0	0	0	0	0	0
0.020248	0.071881	0	0	0	0	0	0
0.030717	0.053057	0	0	0	0	0	0
0.988768	0.982357	0	0	0	0	0	0
0.905976	0.95736	0	0	0	0	0	0
0.869971	0.847101	0	0	0	0	0	0
0.945586	0.980049	0	0	0	0	0	0
0.998151	0.999549	0	0	0	0	0	0
0.988558	0.942018	0.01	0	0	0	0	0
0.918356	0.938582	0	0	0	0	0	0
0.976275	0.923341	0.06	0	0	0	0	0
0.009772	0.007183	0	0	0	0	0	0
0.976041	0.894699	0.03	0	0	0	0	0
0.010341	0.012358	0	0	0	0	0	0
0.011115	0.014227	0	0	0	0	0	0
0.97901	0.976243	0	0	0	0	0	0
0.987983	0.97438	0	0	0	0	0	0
0.994362	0.994324	0	0	0	0	0	0
0.995214	0.992853	0	0	0	0	0	0
0.995812	0.995072	0	0	0	0	0	0
0.738099	0.926696	0	0	0	0	0	0
0.038691	0.04238	0	0	0	0	0	0
0.970655	0.804817	0	0	0	0	0	0

0.984677	0.977193	0	0	0	0	0	0
0.989499	0.954579	0.01	0	0	0	0	0
0.99849	0.683528	0.24	0	0	0	0	0
0.992842	0.977349	0	0	0	0	0	0
0.003645	0.018205	0	0	0	0	0	0
0.014026	0.016963	0	0	0	0	0	0
0.993987	0.99462	0	0	0	0	0	0
0.993046	0.995742	0	0	0	0	0	0
0.982357	0.994484	0	0	0	0	0	0
0.999653	0.997601	0	0	0	0	0	0
0.917786	0.863504	0	0	0	0	0	0
0.992823	0.989641	0	0	0	0	0	0
0.00271	0.002509	0	0	0	0	0	0
0.993122	0.988514	0	0	0	0	0	0
0.916281	0.820969	0	0	0	0	0	0
0.976694	0.936992	0	0	0	0	0	0
0.99864	0.99861	0	0	0	0	0	0
0.997461	0.997593	0	0	0	0	0	0
0.005578	0.015675	0	0	0	0	0	0
0.003762	0.004504	0	0	0	0	0	0
0.998402	0.997749	0	0	0	0	0	0
0.016621	0.020499	0	0	0	0	0	0
0.998727	0.997658	0	0	0	0	0	0
0.026655	0.019325	0	0	0	0	0	0
0.934192	0.802867	0.06	0	0	0	0	0
0.006536	0.015987	0	0	6	0	0	0
0.995206	0.993234	0	0	0	0	6	6
0.038081	0.014059	0	0	4	0	0	0
0.994678	0.991603	0	0	4	0	0	0
0.009105	0.011202	0	0	0	0	0	0
0.179416	0.694793	0	0	0	0	0	0
0.890883	0.964585	0	0	0	0	0	0
0.996349	0.516513	0.41	0	0	0	7	7
0.967272	0.961311	0	0	0	0	0	0
0.983236	0.965131	0	0	0	0	0	0
0.973555	0.953714	0	0	0	0	0	0
0.952016	0.7982	0	0	0	0	0	0
0.962854	0.739283	0.01	0	0	0	0	0
0.939888	0.864816	0	0	0	0	0	0
0.965615	0.89803	0	0	0	0	0	0
0.950791	0.464778	0.4	0	0	0	0	0
0.933349	0.943921	0	0	0	0	0	0
0.061617	0.145434	0	0	5	0	0	0
0.994611	0.995979	0	0	5	0	0	0
0.006191	0.0041	0	0	0	0	0	0
0.009822	0.00503	0	0	5	0	0	0
0.126829	0.091027	0	0	0	0	0	0

0.934648	0.304143	0.54	0	0	0	0	0
0.003813	0.002742	0	0	0	0	0	0
0.011894	0.007004	0	0	0	0	0	0
0.999808	0.998912	0	0	0	0	0	0
0.001253	0.002982	0	0	0	0	0	0
0.007781	0.015123	0	0	0	0	0	0
0.0076	0.183025	0.09	0	0	0	0	0
0.990158	0.995718	0	0	0	0	0	0
0.980863	0.976556	0	0	0	0	0	0
0.99634	0.937149	0.02	0	0	0	0	0
0.012968	0.047641	0	0	0	0	0	0
0.026856	0.053703	0	0	0	0	0	0
0.978491	0.96811	0	0	0	0	0	0
0.980784	0.974422	0	0	0	0	0	0
0.995526	0.995311	0	0	0	0	0	0
0.996333	0.992667	0	0	0	0	0	0
0.992857	0.97945	0	0	0	0	0	0
0.988284	0.977939	0	0	0	0	0	0
0.990183	0.97563	0	0	0	0	0	0
0.995924	0.999127	0	0	0	0	0	0
0.99556	0.998555	0	0	0	0	0	0
0.014305	0.020083	0	0	0	0	0	0
0.994606	0.995032	0	0	0	0	0	0
0.344563	0.31852	0	0	0	0	0	0
0.940054	0.726805	0	0	0	0	0	0
0.978836	0.975821	0	0	0	0	0	0
0.056908	0.067542	0	0	0	0	0	0
0.306931	0.290645	0	0	0	0	0	0
0.403648	0.145855	0.03	0	0	0	0	0
0.988225	0.938391	0	0	0	0	0	0
0.93349	0.427168	0.12	0	0	0	0	0
0.062854	0.490164	0.2	0	0	0	0	0
0.032448	0.021571	0	0	0	0	0	0
0.721191	0.836335	0	0	0	0	0	0
0.581724	0.801274	0	0	0	0	0	0
0.528843	0.789678	0	0	0	0	0	0
0.339183	0.55133	0	0	0	0	0	0
0.145017	0.49819	0	0	0	0	0	0
0.915093	0.962829	0	0	0	0	0	0
0.966111	0.96264	0	0	0	0	0	0
0.078061	0.219756	0	0	0	0	0	0
0.960674	0.865876	0	0	0	0	0	0
0.188089	0.222392	0	0	0	0	0	0
0.984023	0.959807	0	0	0	0	0	0
0.348401	0.346184	0	0	0	0	0	0
0.959775	0.971965	0	0	0	0	0	0
0.949171	0.851845	0	0	0	0	0	0

0.852943	0.764636	0	0	0	0	0	0
0.021849	0.110551	0	0	0	0	0	0
0.039896	0.103453	0	0	0	0	0	0
0.94517	0.98381	0	0	0	0	0	0
0.07261	0.036743	0	0	0	0	0	0
0.964257	0.851974	0	0	0	0	0	0
0.958435	0.928626	0	0	0	0	0	0
0.967978	0.304541	0.4	0	0	0	0	0
0.945263	0.976652	0	0	0	0	0	0
0.928078	0.977671	0	0	0	0	0	0
0.071273	0.039144	0	0	0	0	0	0
0.977225	0.980096	0	0	0	0	0	0
0.965955	0.980133	0	0	0	0	0	0
0.960422	0.931909	0	0	0	0	0	0
0.05103	0.100594	0	0	0	0	0	0
0.971499	0.974299	0	0	0	0	0	0
0.979031	0.928469	0	0	0	0	0	0
0.120512	0.145432	0	0	0	0	0	0
0.97267	0.981561	0	0	0	0	0	0
0.968781	0.973519	0	0	0	0	0	0
0.959694	0.933989	0	0	0	0	0	0
0.947147	0.950686	0	0	0	0	0	0
0.870787	0.453245	0	0	0	0	0	0
0.785598	0.669791	0	0	0	0	0	0
0.964025	0.959745	0	0	0	0	0	0
0.129872	0.49077	0.05	0	0	0	0	0
0.053736	0.044335	0	0	0	0	0	0
0.965509	0.936434	0	0	0	0	0	0
0.983475	0.96948	0	0	0	0	0	0
0.030141	0.018456	0	0	0	0	0	0
0.016303	0.017421	0	0	8	5	0	0
0.032793	0.017397	0	0	8	23	5	5
0.725744	0.78449	0	0	8	1	0	0
0.995457	0.96846	0	0	8	12	0	0
0.007639	0.01238	0	0	0	0	0	0
0.98198	0.968241	0	0	0	0	0	0
0.971123	0.948077	0	0	0	0	0	0
0.94996	0.987442	0	0	0	0	0	0
0.273012	0.280036	0	0	0	0	0	0
0.989319	0.98167	0	0	0	0	0	0
0.012165	0.010244	0	0	0	0	0	0
0.994938	0.987614	0	0	0	0	0	0
0.912224	0.769775	0	0	0	0	0	0
0.92691	0.729974	0	0	0	0	3	3
0.933743	0.872522	0	0	0	0	0	0
0.978293	0.935522	0	0	0	0	0	0
0.975331	0.968583	0	0	0	0	0	0

0.971658	0.960695	0	0	0	0	0	0
0.975976	0.921325	0	0	0	0	0	0
0.996692	0.997781	0	0	0	0	0	0
0.99422	0.989778	0	0	0	8	0	0
0.847474	0.824074	0	0	0	0	0	0
0.679345	0.751291	0	0	0	0	0	0
0.055837	0.062188	0	0	0	0	0	0
0.246001	0.219192	0	0	0	0	0	0
0.020689	0.01302	0	0	0	0	0	0
0.996085	0.984951	0	0	0	0	0	0
0.93435	0.908391	0	0	0	0	0	0
0.987561	0.993468	0	0	0	0	0	0
0.807101	0.034386	0.43	0	0	0	0	0
0.99182	0.980413	0	0	0	0	0	0
0.989191	0.977429	0	0	0	0	0	0
0.992435	0.959809	0	0	0	0	0	0
0.230904	0.252507	0	0	0	0	0	0
0.193277	0.617278	0.17	0	0	0	0	0
0.991616	0.989284	0	0	0	0	0	0
0.957385	0.9856	0	0	0	0	0	0
0.95126	0.918388	0	0	0	0	0	0
0.976695	0.922613	0	0	0	0	1	0
0.991454	0.992121	0	0	0	0	0	0
0.993624	0.988254	0	0	0	0	0	0
0.996525	0.996433	0	0	0	0	0	0
0.965738	0.966145	0	0	0	0	0	0
0.989883	0.984973	0	0	0	0	0	0
0.98485	0.989	0	0	0	0	0	0
0.992665	0.996309	0	0	0	0	0	0
0.991713	0.972214	0	0	0	0	0	13
0.034668	0.058538	0	3	0	0	0	0
0.880717	0.862324	0	3	0	0	0	0
0.997651	0.99548	0	0	0	0	0	0
0.995808	0.940252	0	0	0	0	0	0
0.997699	0.986047	0	0	0	0	0	0
0.996937	0.984617	0	0	0	0	0	0
0.016979	0.023553	0	0	0	0	0	0
0.981865	0.97762	0	0	0	0	0	0
0.987163	0.964219	0	0	0	0	0	0
0.983754	0.937912	0	0	0	0	0	0
0.986922	0.990371	0	0	0	0	0	0
0.981746	0.988045	0	0	0	0	0	0
0.031308	0.057942	0	0	0	0	0	0
0.98743	0.983445	0	0	0	0	0	0
0.96867	0.960531	0	0	0	0	0	0
0.032212	0.059673	0	0	0	0	0	0
0.989749	0.991658	0	0	0	0	0	0

0.024473	0.019698	0	0	0	0	0	0
0.016176	0.017527	0	0	0	0	0	0
0.986384	0.993788	0	0	0	0	0	0
0.987587	0.989907	0	0	1	0	0	0
0.994008	0.782471	0.15	0	0	0	0	0
0.9921	0.981661	0	0	0	0	0	0
0.98374	0.985862	0	0	0	0	0	0
0.983709	0.981728	0	0	0	0	0	0
0.017631	0.018769	0	0	0	0	0	0
0.019864	0.008435	0	0	0	0	0	0
0.982379	0.95346	0	0	0	0	0	0
0.979077	0.961229	0	0	0	0	0	0
0.988974	0.931508	0	0	0	0	0	0
0.966597	0.965762	0	0	0	0	0	0
0.946534	0.959388	0	0	0	0	0	0
0.851314	0.956009	0.02	0	0	0	0	0
0.004279	0.003397	0	0	0	0	0	0
0.004813	0.002976	0	0	0	0	0	0
0.973023	0.987015	0	0	0	0	0	0
0.953126	0.771612	0	0	0	0	0	0
0.97351	0.882786	0	0	0	0	0	0
0.337881	0.560032	0	0	0	0	0	0
0.995918	0.985506	0	0	0	0	0	0
0.964452	0.901805	0	0	0	0	0	0
0.072874	0.039378	0	0	0	0	0	0
0.984663	0.984677	0	0	0	0	0	0
0.970692	0.968797	0	0	0	0	0	0
0.129175	0.152823	0	0	0	0	0	0
0.984796	0.98957	0	0	0	0	0	0
0.973442	0.982954	0	0	0	0	0	0
0.986791	0.984089	0	0	0	0	0	0
0.987346	0.98778	0	0	0	0	0	0
0.025626	0.02102	0	0	0	0	0	0
0.03249	0.034237	0	0	0	0	0	0
0.993725	0.988035	0	0	0	0	0	0
0.029585	0.018478	0	0	0	0	0	0
0.9925	0.997339	0	0	0	0	0	0
0.981562	0.97794	0	0	0	0	0	0
0.992879	0.993554	0	0	0	0	0	0
0.008216	0.008826	0	0	0	0	0	0
0.04576	0.029627	0	0	0	0	0	0
0.98737	0.98258	0	0	0	0	0	0
0.98122	0.989881	0	0	0	0	0	0
0.068963	0.069201	0	0	0	0	0	0
0.175037	0.212106	0	0	0	0	0	0
0.064439	0.042699	0	0	0	0	0	0
0.994268	0.990764	0	0	0	0	0	0

0.109735	0.085241	0	0	0	0	0	0
0.973381	0.984245	0	0	0	0	0	0
0.439095	0.237527	0	0	0	5	0	0
0.034897	0.04047	0	0	0	0	0	0
0.971791	0.98029	0	0	0	0	0	0
0.9896	0.983784	0	0	0	0	0	0
0.025426	0.041546	0	0	0	0	0	0
0.677772	0.498183	0	0	0	0	0	0
0.679187	0.536393	0	0	0	3	0	0
0.995307	0.996636	0	0	0	0	0	0
0.001911	0.001054	0	5	0	0	0	0
0.556301	0.517135	0	0	0	0	0	0
0.772489	0.47837	0.15	0	0	0	0	0
0.971587	0.977889	0	0	0	0	5	5
0.56802	0.587223	0	0	0	0	0	0
0.800438	0.65337	0	0	0	0	0	0
0.632499	0.675163	0	0	0	0	0	0
0.963339	0.952342	0	0	0	0	0	0
0.896256	0.659174	0.1	0	0	0	0	0
0.96652	0.863194	0.01	0	0	0	0	0
0.038974	0.040595	0	0	0	0	0	0
0.99124	0.991795	0	0	0	0	0	0
0.992439	0.992994	0	0	0	0	0	0
0.992662	0.994941	0	0	0	0	0	0
0.974278	0.97591	0	0	0	0	0	0
0.99274	0.988334	0	0	0	0	0	0
0.978374	0.946589	0	0	0	0	0	0
0.969247	0.945674	0	0	0	0	0	0
0.0367	0.067556	0	0	0	0	0	0
0.867372	0.933346	0	0	0	0	0	0
0.972038	0.959686	0	0	0	0	0	0
0.993291	0.977375	0	0	0	0	0	0
0.048734	0.058458	0	0	0	0	0	0
0.971362	0.949476	0	0	0	0	0	0
0.98799	0.884154	0.04	0	0	0	0	0
0.977565	0.903301	0	0	0	0	0	0
0.986156	0.923638	0	0	0	0	0	0
0.46985	0.273428	0.02	0	0	0	0	0
0.992761	0.996142	0	0	0	0	0	0
0.0226	0.045121	0	0	0	0	0	0
0.989281	0.98845	0	0	0	0	0	0
0.987845	0.99094	0	0	0	0	0	0
0.019145	0.032429	0	0	0	0	0	0
0.992244	0.977424	0	0	0	0	0	0
0.073707	0.077014	0	0	0	0	0	0
0.992715	0.994993	0	0	0	0	0	0
0.97721	0.805136	0.04	0	0	0	0	0

0.995757	0.978898	0	0	0	0	0	0
0.994347	0.966847	0	0	0	0	0	0
0.993002	0.992361	0	0	0	0	0	0
0.919938	0.971742	0	0	0	0	0	0
0.258444	0.474607	0	0	0	0	0	0
0.951302	0.977985	0	0	0	0	0	0
0.976749	0.977968	0	0	0	0	0	0
0.194136	0.188392	0	0	0	0	0	0
0.981577	0.983395	0	0	0	0	0	0
0.975986	0.969214	0	0	0	0	0	0
0.969199	0.983634	0	0	0	0	0	0
0.026162	0.025432	0	0	0	0	0	0
0.982904	0.989848	0	0	0	0	0	0
0.943289	0.978625	0	0	0	0	0	0
0.961139	0.963943	0	0	0	0	0	1
0.050292	0.028449	0	0	0	0	0	0
0.967192	0.973106	0	0	0	0	0	0
0.968747	0.906991	0	0	0	0	0	0
0.994353	0.997207	0	0	0	0	0	0
0.289774	0.190354	0	0	0	0	0	0
0.01055	0.023353	0	0	0	0	0	0
0.071413	0.116635	0	0	0	0	0	0
0.96682	0.926307	0	0	0	0	0	0
0.995952	0.99838	0	0	0	0	0	0
0.014572	0.007707	0	0	0	0	0	0
0.155857	0.105496	0	0	0	0	0	0
0.990926	0.991335	0	0	0	0	0	0
0.997572	0.892789	0.04	0	0	0	0	0
0.954806	0.641897	0.17	0	0	0	0	0
0.991921	0.967073	0	0	0	0	0	0
0.990869	0.997677	0	0	0	0	0	0
0.997166	0.996042	0	0	0	0	0	0
0.995961	0.995688	0	0	0	0	0	0
0.990033	0.65273	0.19	0	6	6	0	0
0.011442	0.040842	0	0	0	0	0	0
0.996036	0.990549	0	0	0	0	0	0
0.994517	0.907043	0.02	0	0	0	0	0
0.996994	0.97577	0	0	0	0	0	0
0.995051	0.986334	0	0	0	0	0	0
0.996021	0.987618	0	0	0	0	0	0
0.996974	0.996576	0	0	0	0	0	0
0.478599	0.295021	0	0	7	0	0	0
0.599945	0.464118	0	0	0	0	0	0
0.995033	0.978341	0	0	0	0	0	0
0.083346	0.21057	0	0	0	0	0	0
0.016778	0.011155	0	0	0	0	0	0
0.987635	0.990284	0	0	0	0	0	0

0.983929	0.989268	0	0	0	0	0	0
0.945724	0.846602	0	0	0	0	0	9
0.161664	0.071884	0	7	0	0	0	0
0.990952	0.973417	0	0	0	0	0	0
0.991477	0.987859	0	0	0	0	0	0
0.992473	0.990194	0	0	0	0	0	0
0.991671	0.992745	0	0	0	0	0	0
0.927992	0.883156	0	0	0	0	0	0
0.002682	0.00256	0	0	0	0	0	0
0.99757	0.985746	0	0	0	0	0	0
0.922282	0.908555	0	0	0	0	0	0
0.998227	0.994064	0	0	0	0	0	0
0.012647	0.00431	0	0	0	0	0	0
0.339963	0.327371	0	0	0	0	0	0
0.328932	0.330839	0	0	0	0	0	0
0.02379	0.026674	0	0	0	0	0	0
0.006154	0.014555	0	0	0	0	0	0
0.995656	0.993254	0	0	0	0	0	0
0.941406	0.927833	0	0	0	0	0	0
0.950117	0.946875	0	0	0	0	0	0
0.919726	0.957184	0	0	0	0	0	0
0.957301	0.96735	0	0	0	0	0	0
0.982234	0.988164	0	0	0	0	0	0
0.982981	0.989917	0	0	0	0	0	0
0.932989	0.984746	0	0	0	0	0	0
0.0226	0.007758	0	0	0	0	0	0
0.983375	0.987093	0	0	0	0	0	0
0.987436	0.972681	0	0	0	0	0	0
0.975156	0.985138	0	0	0	0	0	0
0.989709	0.990232	0	0	0	0	0	0
0.017622	0.068716	0	0	0	0	0	0
0.992089	0.985565	0	0	0	1	0	0
0.993246	0.979519	0	0	0	0	0	0
0.710706	0.724558	0	0	0	0	0	0
0.992948	0.991391	0	0	0	0	0	0
0.927858	0.94524	0	0	0	0	0	0
0.103197	0.139028	0	0	0	0	0	0
0.991329	0.981184	0	0	0	0	0	0
0.985043	0.977401	0	0	0	0	0	0
0.991313	0.982558	0	0	0	0	0	0
0.457227	0.518312	0	0	0	0	0	0
0.625549	0.778087	0	0	0	0	0	0
0.987438	0.985283	0	0	0	0	0	0
0.980975	0.83586	0.02	0	0	0	0	0
0.034451	0.17902	0	0	0	0	0	0
0.984335	0.981093	0	0	0	0	0	0
0.818438	0.855833	0	0	0	0	0	0

0.026661	0.110117	0	0	0	0	0	0
0.00393	0.005269	0	0	0	0	0	0
0.775408	0.680867	0	0	0	0	0	0
0.982337	0.99591	0.01	0	0	0	0	0
0.994427	0.998439	0	0	0	0	0	0
0.992625	0.983734	0	0	0	0	0	0
0.943629	0.908786	0	0	0	0	0	0
0.964416	0.936164	0.01	0	0	0	0	0
0.937172	0.963554	0	0	0	0	0	0
0.99482	0.915947	0	0	0	0	0	0
0.940487	0.942986	0	0	0	0	0	0
0.909727	0.957334	0	0	0	0	0	0
0.963605	0.990144	0	0	0	0	0	0
0.96191	0.981247	0	0	0	0	0	0
0.853458	0.686871	0	0	0	0	0	0
0.655736	0.642022	0	0	0	0	0	0
0.963296	0.936434	0	0	0	0	0	0
0.970474	0.954988	0	0	0	0	0	0
0.984505	0.962614	0	0	0	0	0	0
0.981261	0.970647	0	0	0	0	0	0
0.975968	0.222418	0.46	0	0	0	0	0
0.956111	0.954302	0	0	0	0	0	0
0.050832	0.060817	0	0	0	0	0	0
0.09679	0.083161	0	0	0	0	0	0
0.977026	0.937393	0	0	0	0	0	0
0.944138	0.909656	0	0	0	0	0	0
0.02247	0.161688	0.02	0	0	0	0	0
0.987781	0.981247	0	0	0	0	0	0
0.99222	0.938126	0	0	0	0	0	0
0.988652	0.970453	0	0	0	0	0	0
0.989047	0.969652	0	0	0	0	0	0
0.068242	0.035769	0	0	0	0	0	0
0.065886	0.042361	0	0	0	0	0	0
0.97655	0.96278	0	0	0	0	0	0
0.95396	0.977131	0	0	0	0	0	0
0.045994	0.056165	0	0	0	0	0	0
0.984596	0.987392	0	0	0	0	0	0
0.941952	0.955717	0	0	0	0	0	0
0.95128	0.889008	0	0	0	0	0	0
0.953559	0.962357	0	0	0	0	0	0
0.044617	0.098093	0	0	0	0	0	0
0.987405	0.968136	0	0	0	0	0	0
0.946144	0.974922	0	0	0	0	0	0
0.926999	0.791731	0	0	0	0	0	0
0.860662	0.301673	0.15	0	0	0	0	0
0.959693	0.939363	0	0	0	0	0	0
0.948282	0.908207	0	0	0	0	0	0

0.931121	0.921351	0	0	0	0	0	0
0.970543	0.976514	0	0	0	0	0	0
0.967024	0.9626	0	0	0	0	0	0
0.955817	0.971737	0	0	0	0	0	0
0.968641	0.977594	0	0	0	0	0	0
0.954596	0.96032	0	0	0	0	0	0
0.477848	0.444164	0	0	0	0	0	0
0.971076	0.976329	0	0	0	0	0	0
0.877575	0.644238	0	1	0	0	0	0
0.950497	0.995521	0	0	0	0	0	0
0.855818	0.952744	0	0	0	0	0	0
0.776726	0.331673	0.29	0	0	0	17	17
0.036746	0.052507	0	0	0	0	0	0
0.036818	0.055411	0	0	0	0	0	0
0.936187	0.777293	0	0	0	0	0	0
0.960242	0.926822	0	0	0	0	0	0
0.929187	0.872486	0	0	0	0	0	0
0.983253	0.867711	0	0	0	9	7	7
0.923327	0.94019	0	0	0	0	0	0
0.93211	0.947417	0	0	0	0	0	0
0.979605	0.798627	0.02	0	0	0	0	0
0.979573	0.974171	0	0	0	0	0	0
0.970815	0.986023	0	0	0	0	0	0
0.955427	0.986163	0	0	0	0	3	0
0.97463	0.640151	0.14	0	0	0	0	0
0.105036	0.109521	0	0	0	0	0	0
0.149457	0.145321	0	0	0	2	0	0
0.320248	0.31158	0	0	0	2	3	3
0.495081	0.365285	0	0	0	0	0	0
0.858192	0.682445	0	0	0	0	0	0
0.991061	0.981894	0	0	0	0	0	0
0.994392	0.944592	0.02	0	0	0	0	0
0.96565	0.986492	0	0	0	0	0	0
0.960332	0.953166	0	0	0	0	0	0
0.914391	0.907834	0	0	0	0	0	0
0.939252	0.9419	0	0	0	4	0	0
0.033671	0.102729	0	0	0	0	0	0
0.978761	0.805236	0.03	0	0	0	0	0
0.966945	0.814317	0	0	0	0	0	0
0.981285	0.951038	0	0	0	0	0	0
0.986402	0.964885	0	0	0	0	0	0
0.73828	0.830407	0	0	0	0	0	0
0.904137	0.793299	0	0	0	5	0	0
0.030673	0.035311	0	0	0	0	0	0
0.769985	0.29119	0.18	0	0	0	0	0
0.980764	0.964918	0	0	0	0	0	0
0.985655	0.949914	0	0	0	0	0	0

0.92845	0.892314	0	0	0	0	0	0
0.978439	0.961341	0	0	0	0	0	0
0.988301	0.903654	0	0	0	0	0	0
0.987793	0.918424	0	0	0	0	0	0
0.011164	0.006142	0	0	0	0	0	0
0.01491	0.042151	0	0	0	0	0	0
0.019508	0.012392	0	0	0	0	0	0
0.993454	0.994198	0	0	0	0	0	0
0.647405	0.385545	0	0	0	0	0	0
0.475395	0.200516	0	0	0	0	0	0
0.314389	0.147896	0	0	0	0	0	0
0.073102	0.05747	0	0	0	0	0	0
0.964473	0.943284	0	0	0	0	0	0
0.61005	0.4838	0	0	0	0	0	0
0.977102	0.955161	0	0	0	0	0	0
0.963887	0.944789	0	0	0	0	0	0
0.980541	0.892149	0	0	0	0	0	0
0.043983	0.250024	0	0	0	0	0	0
0.986219	0.96792	0	0	0	0	0	0
0.982959	0.966188	0	0	0	0	0	0
0.980441	0.966668	0	0	0	0	0	0
0.983098	0.945828	0	0	0	0	0	0
0.988303	0.98223	0	0	0	0	0	0
0.022168	0.10295	0	0	0	0	0	0
0.06984	0.12446	0	0	0	0	0	0
0.988571	0.97663	0	0	0	0	0	0
0.977154	0.954882	0	0	0	0	0	0
0.986164	0.964454	0	0	0	0	0	0
0.978134	0.970298	0	0	0	0	0	0
0.969638	0.972511	0	0	0	0	0	0
0.92606	0.961726	0	0	0	0	0	0
0.100728	0.401028	0	0	0	0	0	0
0.536364	0.819884	0	0	0	0	0	0
0.034757	0.050935	0	0	0	0	0	0
0.984303	0.980122	0	0	0	0	0	0
0.979826	0.928438	0	0	0	0	0	0
0.976014	0.832964	0	0	0	0	0	0
0.976993	0.906318	0	0	0	0	0	0
0.03489	0.058	0	0	0	0	0	0
0.982388	0.969006	0	0	0	0	0	0
0.081503	0.176828	0	0	0	0	0	0
0.972926	0.929659	0	0	0	0	0	0
0.965702	0.949249	0	0	0	0	0	0
0.876006	0.933908	0	0	0	0	0	0
0.930469	0.978422	0	0	0	0	0	0
0.944008	0.949376	0	0	0	0	0	0
0.967165	0.960797	0	0	0	0	0	0

0.972812	0.96715	0	0	0	0	0	0
0.968237	0.968782	0	0	0	0	0	0
0.426384	0.419299	0	0	0	0	0	0
0.870201	0.833535	0	0	0	0	0	0
0.982105	0.966293	0	0	0	0	0	0
0.97997	0.921468	0	0	0	0	0	0
0.909525	0.911499	0	0	0	0	0	0
0.976156	0.858916	0	0	0	0	0	0
0.174463	0.467765	0.04	0	0	0	0	0
0.237873	0.479395	0	0	0	0	0	0
0.020515	0.037938	0	0	0	0	0	0
0.970271	0.98626	0	0	0	0	0	0
0.0289	0.093046	0	0	0	0	0	0
0.700989	0.64738	0	0	0	0	0	0
0.981466	0.865483	0	0	0	0	0	0
0.978665	0.653659	0.09	0	0	0	0	0
0.9869	0.995291	0	0	0	0	0	0
0.532903	0.642395	0	0	0	0	0	0
0.846865	0.949333	0	0	0	0	0	0
0.048214	0.014944	0	0	0	0	0	0
0.976495	0.967317	0	0	0	0	0	0
0.990773	0.992416	0	0	0	0	0	0
0.974481	0.988059	0	0	0	0	0	0
0.569324	0.717841	0	0	0	0	0	0
0.563236	0.677449	0	0	0	0	0	0
0.95582	0.97417	0	0	0	0	0	0
0.913926	0.975931	0	0	0	0	0	0
0.955864	0.92875	0	0	0	0	0	0
0.954012	0.953568	0	0	0	0	0	0
0.013795	0.157448	0.06	0	0	0	0	0
0.98595	0.994004	0	0	0	0	0	0
0.985857	0.991123	0	0	0	0	0	0
0.617573	0.910726	0.12	0	0	0	0	0
0.88085	0.917154	0	0	0	0	0	0
0.845138	0.838687	0	0	0	0	0	0
0.971128	0.983109	0	0	0	0	0	0
0.970574	0.980263	0	0	0	0	0	0
0.019158	0.061981	0	0	0	0	0	0
0.024373	0.058419	0	0	0	0	0	0
0.838116	0.906212	0	0	0	0	0	0
0.980448	0.958622	0	0	0	0	0	0
0.984104	0.774253	0.05	0	0	0	0	0
0.078285	0.067135	0	0	0	0	0	0
0.996861	0.99707	0	0	0	0	0	0
0.224285	0.157718	0	0	0	0	0	0
0.963389	0.896697	0	0	0	0	0	0
0.981064	0.958722	0	0	0	0	0	0

0.965735	0.954596	0	0	0	0	0	0
0.86935	0.609812	0.04	0	0	0	0	0
0.532273	0.72099	0	0	0	0	0	0
0.9778	0.871963	0.01	0	0	0	0	0
0.936567	0.891674	0	0	0	0	0	0
0.154822	0.081964	0	0	0	0	0	0
0.95486	0.943383	0	0	0	0	4	4
0.988597	0.9831	0	0	0	0	0	0
0.08362	0.108968	0	0	0	0	0	0
0.043956	0.051018	0	0	0	0	0	0
0.977376	0.843869	0	0	0	0	0	0
0.9886	0.964438	0	0	0	0	0	0
0.962011	0.884432	0	0	0	0	0	0
0.415003	0.138626	0.05	0	0	0	0	0
0.046224	0.02202	0	0	0	0	0	0
0.990099	0.988794	0	0	0	0	0	0
0.010599	0.013427	0	0	0	0	0	0
0.970801	0.95935	0	0	0	0	0	0
0.951569	0.899051	0	0	0	0	0	0
0.967994	0.956631	0	0	0	0	0	0
0.966431	0.934014	0	0	0	0	0	0
0.975318	0.938954	0	0	0	0	0	0
0.978141	0.95021	0	0	0	0	0	0
0.921902	0.96787	0	0	0	0	0	0
0.009639	0.187028	0.09	0	0	0	0	0
0.977116	0.961	0	0	0	0	0	0
0.989009	0.972313	0	0	0	0	0	0
0.99512	0.984851	0	0	0	0	0	0
0.116834	0.045653	0	0	0	0	0	0
0.995208	0.98987	0	0	0	0	0	0
0.966104	0.961679	0	0	0	0	0	0
0.961234	0.96331	0	0	0	0	0	0
0.96853	0.972246	0	0	0	0	0	0
0.991571	0.934202	0.02	0	0	0	0	0
0.18336	0.105774	0	0	0	0	0	0
0.943408	0.946612	0	0	0	0	0	0
0.969128	0.802837	0.02	0	0	0	0	0
0.969424	0.966551	0	0	0	0	0	0
0.110528	0.068135	0	0	0	0	0	0
0.631659	0.88086	0	0	0	0	0	0
0.903747	0.902167	0	0	0	0	0	0
0.982248	0.939336	0	0	0	0	0	0
0.024532	0.171838	0.04	0	0	0	0	0
0.01399	0.053888	0	0	0	0	0	0
0.051139	0.057864	0	0	0	0	0	0
0.983131	0.988162	0	0	0	0	0	0
0.040063	0.06478	0	0	0	0	0	0

0.345514	0.451112	0	0	0	0	0	0
0.062823	0.098598	0	0	0	0	0	0
0.985301	0.983368	0	0	0	0	0	0
0.988595	0.988374	0	0	0	0	0	0
0.986102	0.980842	0.01	0	0	0	0	0
0.958192	0.955508	0	0	0	0	0	0
0.951338	0.948254	0	0	0	0	0	0
0.859097	0.302695	0.01	0	0	0	0	0
0.971936	0.908543	0	0	0	0	0	0
0.974777	0.965615	0	0	0	0	0	0
0.090657	0.056668	0	0	0	0	0	0
0.052397	0.032797	0	0	0	0	0	0
0.100407	0.153909	0	0	0	0	0	0
0.146034	0.104738	0	0	0	0	0	0
0.984338	0.9544	0	0	0	0	0	0
0.793231	0.803232	0	0	0	0	0	0
0.748355	0.626636	0	0	0	0	0	0
0.904106	0.768299	0	0	0	0	0	0
0.896373	0.788569	0	0	0	0	0	0
0.946427	0.823384	0	0	0	0	0	0
0.88458	0.762194	0	0	0	0	0	0
0.970685	0.86519	0	0	0	0	0	0
0.970583	0.806311	0.04	0	0	0	0	0
0.947967	0.826505	0	0	0	0	0	0
0.905214	0.896009	0	0	0	0	0	0
0.941317	0.943641	0	0	0	0	0	0
0.928383	0.676564	0	0	0	0	0	0
0.663442	0.60978	0	0	0	0	0	0
0.035083	0.05532	0	0	0	0	0	0
0.046669	0.063589	0	0	0	0	0	0
0.981206	0.985953	0	0	0	0	0	0
0.989791	0.579547	0.28	0	0	0	0	0
0.98862	0.98842	0	0	0	0	0	0
0.102298	0.076133	0	0	0	0	0	0
0.0388	0.032448	0	0	0	0	0	0
0.958469	0.982575	0	0	0	0	0	0
0.962376	0.809435	0	0	0	0	0	0
0.981525	0.985246	0	0	0	0	0	0
0.961324	0.973095	0	0	0	0	0	0
0.918459	0.963851	0	0	0	0	0	0
0.078462	0.03015	0	0	0	0	0	0
0.989766	0.987577	0	0	0	0	0	0
0.992262	0.986668	0	0	0	0	0	0
0.984451	0.980179	0	0	0	0	0	0
0.013732	0.0676	0	0	0	0	0	0
0.990055	0.948649	0	0	0	0	0	0
0.666883	0.562596	0	0	6	0	0	0

0.995138	0.983524	0	0	0	0	0	0
0.977483	0.971588	0	0	0	0	0	0
0.989241	0.974525	0	0	0	1	0	0
0.990312	0.968881	0	0	0	0	0	0
0.84481	0.897878	0	0	0	0	0	0
0.971601	0.880037	0	0	0	0	0	0
0.951905	0.806048	0	0	0	0	0	0
0.973954	0.971401	0	0	0	0	0	0
0.951216	0.935875	0	0	0	0	0	0
0.954828	0.96123	0	0	0	0	0	0
0.807883	0.980088	0.02	0	0	0	0	0
0.985924	0.965618	0	0	0	0	0	0
0.986596	0.970332	0	0	0	0	0	0
0.988304	0.975646	0	0	0	0	0	0
0.991483	0.982459	0	0	0	0	0	0
0.990302	0.970438	0	0	0	0	0	0
0.989921	0.975683	0	0	0	0	0	0
0.99211	0.982234	0	0	0	0	0	0
0.017751	0.032009	0	0	0	0	0	0
0.97902	0.791805	0.05	0	0	0	0	0
0.990837	0.964016	0	0	0	0	0	0
0.9871	0.966879	0	0	0	0	0	0
0.031232	0.133263	0	0	0	0	0	0
0.014211	0.023572	0	0	0	0	0	0
0.687005	0.821378	0	0	0	0	0	0
0.925048	0.955999	0	0	0	0	0	0
0.950172	0.993286	0	0	0	0	0	0
0.951756	0.988742	0	0	0	0	0	0
0.149461	0.018253	0	0	0	0	0	0
0.968626	0.905839	0	0	0	0	0	0
0.188209	0.483378	0	0	0	0	0	0
0.315533	0.515527	0	0	0	0	0	0
0.230138	0.320003	0	0	0	0	0	0
0.303025	0.388149	0	0	0	0	0	0
0.013679	0.015157	0	0	0	0	0	0
0.994403	0.997052	0	0	0	0	0	0
0.941566	0.954243	0	0	0	0	0	0
0.93948	0.991787	0	0	0	0	0	0
0.040182	0.09289	0	0	0	0	0	0
0.970534	0.989894	0	0	0	0	0	0
0.990289	0.994445	0	0	0	0	0	0
0.987165	0.989111	0	0	0	0	0	0
0.990123	0.973902	0	0	0	0	0	0
0.989775	0.995604	0	0	0	0	0	0
0.950554	0.97476	0	0	0	0	0	0
0.993759	0.995136	0	0	0	0	0	0
0.031957	0.044223	0	0	0	0	0	0

0.993386	0.962807	0	0	5	4	0	0
0.032274	0.129683	0	0	0	0	0	0
0.988513	0.961614	0	0	0	0	0	0
0.035729	0.046977	0	0	0	0	0	0
0.807278	0.817334	0	0	0	0	0	0
0.970781	0.972409	0	0	0	0	0	0
0.989959	0.989866	0	0	0	0	0	0
0.960219	0.982334	0	0	0	0	0	0
0.939745	0.943978	0	0	0	0	0	0
0.984618	0.688517	0.1	0	0	0	0	0
0.27149	0.082758	0	0	0	0	0	0
0.103051	0.052472	0	0	0	0	0	0
0.986185	0.989007	0	0	0	0	0	0
0.98815	0.974812	0	0	0	0	0	0
0.0318	0.025268	0	0	0	0	0	0
0.193865	0.684272	0.31	0	0	0	0	0
0.814249	0.780556	0	0	0	0	0	0
0.029084	0.029915	0	0	0	0	0	0
0.02342	0.024846	0	0	0	0	0	0
0.988511	0.972255	0	0	0	0	0	0
0.991443	0.945034	0	0	0	0	0	0
0.990435	0.842841	0.07	0	0	0	0	0
0.994859	0.994832	0	0	0	0	0	0
0.988322	0.995923	0	0	0	0	0	0
0.971197	0.931858	0	0	0	0	0	0
0.026882	0.178982	0	0	0	0	0	0
0.077561	0.511205	0.04	0	0	0	0	0
0.733695	0.41156	0.15	0	0	0	0	0
0.015397	0.023768	0	0	0	0	0	0
0.91051	0.827787	0	0	0	0	0	0
0.667466	0.940166	0	7	0	0	0	0
0.305205	0.653573	0.08	0	0	0	1	7
0.003006	0.004435	0	0	0	0	0	0
0.007938	0.045823	0	0	0	0	0	0
0.989618	0.974665	0	0	0	0	0	0
0.983543	0.7795	0.04	0	0	0	0	0
0.938333	0.701354	0.06	0	0	0	0	0
0.979245	0.980999	0	0	0	0	0	0
0.993646	0.958191	0	0	0	0	0	0
0.659602	0.557576	0	0	0	0	0	0
0.482882	0.35317	0	0	0	0	0	0
0.995856	0.986592	0	0	0	0	0	0
0.96293	0.958394	0	0	0	0	0	0
0.959358	0.989001	0	0	0	0	0	0
0.687442	0.929589	0.12	0	0	0	5	5
0.563616	0.751307	0.01	0	0	0	0	0
0.283502	0.171751	0	0	0	0	0	0

0.7967	0.376384	0	0	0	0	0	0
0.580637	0.19266	0.14	0	0	0	0	0
0.948515	0.869477	0	0	0	0	0	0
0.060894	0.070422	0	0	0	0	0	0
0.919507	0.888744	0	0	0	0	0	0
0.986166	0.943075	0	0	0	0	0	0
0.976718	0.8933	0	0	0	0	0	0
0.990329	0.988327	0	0	0	0	0	0
0.992654	0.983436	0	0	0	0	0	0
0.978009	0.962929	0	0	0	0	0	0
0.984066	0.974173	0	0	0	0	0	0
0.985196	0.987712	0	0	0	0	0	0
0.042142	0.036064	0	0	0	0	0	0
0.039739	0.047695	0	0	0	0	0	0
0.039256	0.041911	0	0	0	0	0	0
0.975683	0.949883	0	0	0	0	0	0
0.977893	0.94549	0	0	0	0	0	0
0.956025	0.876137	0	0	0	0	0	0
0.952142	0.985128	0	0	0	0	0	0
0.991283	0.988	0	0	0	0	0	0
0.114748	0.054054	0	0	0	0	0	0
0.981729	0.968642	0	0	0	0	0	0
0.040299	0.020752	0	0	0	0	0	0
0.074881	0.028083	0	0	0	0	0	0
0.062788	0.013752	0	0	0	0	0	0
0.962123	0.993544	0	0	0	0	0	0
0.934056	0.957291	0	0	0	0	0	0
0.97617	0.951761	0	0	0	0	0	0
0.982446	0.958739	0	0	0	0	0	0
0.974368	0.950206	0	0	0	0	0	0
0.951272	0.935103	0	0	0	0	0	0
0.039986	0.046461	0	0	0	0	0	0
0.990659	0.852791	0.02	0	0	0	0	0
0.704595	0.533605	0	0	0	0	0	0
0.988952	0.984989	0	0	0	0	0	0
0.659515	0.963252	0.06	0	0	0	0	0
0.819472	0.730884	0	0	0	0	0	0
0.062347	0.139493	0	0	0	0	0	0
0.814853	0.986656	0.03	0	0	0	0	0
0.045599	0.073327	0	0	0	0	0	0
0.029111	0.014901	0	0	0	0	0	0
0.051311	0.046642	0	0	0	0	0	0
0.288766	0.256747	0	0	0	0	0	0
0.553425	0.781369	0	0	0	0	0	0
0.984981	0.965455	0	0	0	0	0	0
0.933698	0.855479	0	0	0	0	0	0
0.973924	0.877118	0	0	0	0	0	0

0.94126	0.968391	0	0	0	0	0	0
0.854108	0.903989	0	0	0	0	0	0
0.929427	0.965527	0	0	0	0	0	0
0.112897	0.037158	0	0	0	0	0	0
0.881243	0.940962	0	0	0	0	0	0
0.973355	0.967156	0	0	0	0	0	0
0.058242	0.072951	0	0	0	0	0	0
0.964295	0.797378	0	0	0	0	0	0
0.939084	0.861756	0	0	0	0	0	0
0.945997	0.952935	0	0	0	0	0	0
0.974627	0.987587	0	0	0	0	0	0
0.979084	0.819753	0.03	0	0	0	0	0
0.98548	0.985738	0	0	0	0	0	0
0.733033	0.650127	0	0	0	0	0	0
0.98781	0.949397	0	0	0	0	0	0
0.989199	0.877927	0	0	0	0	0	0
0.929042	0.946781	0	0	0	0	0	0
0.975344	0.936386	0	0	0	0	0	0
0.983925	0.973264	0	0	0	0	0	0
0.033647	0.032634	0	0	0	0	0	0
0.260851	0.087924	0	0	0	0	0	0
0.939514	0.565024	0.17	0	0	0	0	0
0.229266	0.132819	0	0	0	0	0	0
0.896188	0.928264	0	0	0	0	0	0
0.97058	0.990422	0	0	0	0	0	0
0.778765	0.672624	0	0	0	0	0	0
0.039159	0.005483	0	0	0	0	0	0
0.867887	0.00625	0.52	0	0	0	0	0
0.893726	0.971729	0	0	0	0	0	0
0.950124	0.96389	0	0	0	0	0	0
0.956792	0.98995	0	0	0	0	0	0
0.92297	0.981055	0	0	0	0	0	0
0.883219	0.903151	0	0	0	0	0	0
0.96106	0.929752	0	0	0	0	0	0
0.926321	0.988802	0.01	0	0	0	0	0
0.165709	0.008366	0.04	0	0	0	0	0
0.026309	0.007048	0	0	0	0	0	0
0.972721	0.782964	0.02	0	0	0	0	0
0.040056	0.087633	0	0	0	0	0	0
0.986662	0.947138	0	0	0	0	0	0
0.859556	0.951844	0	0	0	0	0	0
0.953521	0.981607	0	0	0	0	0	0
0.969497	0.983943	0	0	0	0	0	0
0.942322	0.962483	0	0	0	0	0	0
0.951329	0.957714	0	0	0	0	0	0
0.959712	0.946312	0	0	0	0	0	0
0.998279	0.841645	0.09	0	0	0	0	0

0.006491	0.004796	0	0	0	0	0	0
0.810605	0.935909	0	0	0	0	0	0
0.293666	0.078046	0.05	0	0	0	0	0
0.983326	0.984549	0	0	0	0	0	0
0.983844	0.982867	0	0	0	0	0	0
0.013143	0.002241	0	0	0	0	0	0
0.966466	0.963351	0	0	0	0	0	0
0.949983	0.959588	0	0	0	0	0	0
0.958524	0.902886	0	0	0	0	0	0
0.949479	0.977012	0	0	0	0	0	0
0.943729	0.980899	0	0	0	0	0	0
0.528946	0.531654	0	0	0	0	0	0
0.900439	0.883169	0	0	0	0	0	0
0.974731	0.909224	0	0	0	0	0	0
0.905439	0.987172	0.01	0	0	0	0	0
0.970331	0.95446	0	0	0	0	0	0
0.047299	0.194841	0	0	0	0	0	0
0.61695	0.778481	0	0	0	0	0	0
0.02161	0.092448	0	0	0	0	0	0
0.026811	0.068487	0	0	0	0	0	0
0.217406	0.415301	0	0	0	0	0	0
0.881974	0.757238	0	0	0	0	0	0
0.965078	0.944038	0	0	0	0	0	0
0.886861	0.712163	0	0	0	0	0	0
0.919487	0.94049	0	0	0	0	0	0
0.959344	0.945	0	0	0	0	0	0
0.178729	0.263678	0	0	0	0	0	0
0.086436	0.205508	0	0	0	0	0	0
0.971999	0.979018	0	0	0	0	0	0
0.931614	0.93503	0	0	0	0	0	0
0.937779	0.755052	0.02	0	0	0	0	0
0.97926	0.886488	0	0	0	0	0	0
0.066243	0.173085	0	0	0	0	0	0
0.406773	0.722098	0.03	0	0	0	0	0
0.036561	0.147118	0	0	0	0	0	0
0.040579	0.094166	0	0	0	0	0	0
0.038659	0.068854	0	0	0	0	0	0
0.97869	0.857178	0.01	0	0	0	0	0
0.98171	0.86015	0.01	0	0	0	0	0
0.058372	0.167605	0	0	0	0	0	0
0.083758	0.066663	0	0	0	0	0	0
0.957056	0.983634	0	0	0	0	0	0
0.934582	0.952582	0	0	0	0	0	0
0.934376	0.956642	0	0	0	0	0	0
0.594432	0.595291	0	0	0	0	0	0
0.910681	0.975928	0	0	0	0	0	0
0.99394	0.997086	0	0	0	0	0	0

0.993803	0.911803	0.04	0	0	0	0	0
0.991861	0.910549	0.03	0	0	0	0	0
0.994763	0.992405	0	0	0	0	0	0
0.994794	0.83927	0.03	0	0	0	0	0
0.80975	0.940375	0	0	0	0	0	0
0.992049	0.965603	0	0	0	0	0	0
0.990257	0.964366	0	0	0	0	0	0
0.987056	0.987162	0	0	0	0	0	0
0.997522	0.998186	0	0	0	0	0	0
0.020291	0.022441	0	0	0	5	3	2
0.989007	0.319702	0.51	0	0	11	7	0
0.995551	0.671637	0.17	0	0	0	0	0
0.960476	0.976105	0	0	0	0	0	0
0.983077	0.995025	0	0	0	0	0	0
0.074248	0.149837	0	0	0	0	0	0
0.871425	0.095992	0.69	0	0	0	5	0
0.798154	0.170685	0.5	0	0	0	0	0
0.953091	0.284188	0.54	0	0	0	0	15
0.990509	0.979781	0	0	0	0	0	0
0.991444	0.982195	0	0	0	0	0	0
0.993439	0.993787	0	0	0	0	0	0
0.980228	0.973405	0	0	0	0	0	0
0.992292	0.993889	0	0	0	0	0	0
0.993314	0.992931	0	0	0	0	0	0
0.98757	0.965823	0	0	0	0	3	3
0.99317	0.990943	0	0	0	0	0	0
0.865213	0.483062	0.08	0	0	0	0	0
0.991882	0.981332	0	0	0	0	0	0
0.982745	0.99038	0	0	0	0	0	0
0.120003	0.112886	0	0	0	0	0	0
0.994343	0.981938	0	0	0	0	0	0
0.992116	0.989183	0	0	0	0	0	0
0.90567	0.976304	0	0	0	0	0	0
0.989938	0.979239	0	0	0	0	0	0
0.998169	0.991353	0	0	0	0	0	0
0.928725	0.57109	0.23	0	0	0	0	0
0.961602	0.941004	0	0	0	0	0	0
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0.977507	0.961713	0	0	0	0	0	0
0.973959	0.956106	0	0	0	0	0	0
0.964266	0.955087	0	0	0	0	0	0
0.967435	0.956212	0	0	0	0	0	0
0.973539	0.967469	0	0	0	0	0	0
0.962978	0.961447	0	0	0	0	0	0
0.97757	0.959703	0	0	0	0	0	0
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0.972821	0.966978	0	0	0	0	0	0

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0.968447	0.964223	0	0	0	0	0	0
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0.994019	0.990024	0	0	0	0	0	0
0.033355	0.038351	0	0	0	0	0	0
0.984	0.929421	0	0	0	0	0	0
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0.992218	0.993306	0	0	0	0	0	0
0.942824	0.625013	0.18	0	0	0	0	0
0.795948	0.773068	0	0	0	0	0	0
0.949544	0.859038	0	0	0	0	0	0
0.989169	0.906875	0	0	0	0	0	0
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