

Supplemental Table 1: Genes with significant changes in 3'UTR length upon KD of Kozf3 and Sra17 quantified with DaPar. PADIU > 5%, false discovery rate (FDR) < 10%.

Ensembl_gene_ID	Gene_name	Chrom	Strand	fl_vec	Predicted_Proximal_APA_Loci	Ctrl_1_long_exp	Ctrl_1_short_exp	Ctrl_1_PDIU	Ctrl_2_long_exp	Ctrl_2_short_exp	Ctrl_2_PDIU	KD.SRSF3_1_long_exp	KD.SRSF3_1_short_exp	KD.SRSF3_1_PDIU	KD.SRSF3_2_long_exp	KD.SRSF3_2_short_exp	KD.SRSF3_2_PDIU	Group_Ctrl_Mean_PDIU	Group_KD.SRSF3_Mean_PDIU	PDIU_Group_diff	P-value	Adjusted_Pvalue	Adjusted_Positive
ENSMUST0000098683	Acd3b	chr9	+	1117.4	5779483	ch9:5779487-57795034	3.13	41.73	0.07	4.09	18.01	38.95	18.01	43.42	8.28	0.84	0.09	0.06	0.775	-0.685	2.7e-12	8.80e-10	
ENSMUST0000197864	Smarc1	chr9	+	2288.1	11023807	ch9:11023817-11023951	21.86	185.19	0.11	20.28	192.87	146.52	0.43	120.95	148.61	0.5	1.05	0.44	0.335	-0.435	4.02e-17	1.65e-14	
ENSMUST0000100339	Ctcfp1	chr9	+	206.5	80408194	ch9:80407965-80408781	20.04	26.46	0.43	28.91	18.33	0.61	61.07	20.05	0.75	0.89	0.52	0.82	0.03	0.00079211	-0.3	0.01501751	
ENSMUST0000021582	Ctcfp1	chr8	+	2035	80407965	ch8:80407965-80408781	19.14	27.27	0.41	27.26	18.33	0.61	61.07	20.05	0.75	0.89	0.52	0.82	0.03	0.00079211	-0.3	0.01501751	
ENSMUST0000021586	Dhx35	chr2	+	70.3	15885787	ch2:15885780-15885824	26.48	8.55	0.76	23.2	12.2	0.66	34.31	0	1	33.7	0	1	1	0.29	0.00091992	0.015488257	
ENSMUST0000021586.1	Thy1	chr9	+	319.4	4046880	ch9:4046822-4046945	33.15	26.98	0.55	51.53	0.77	0.96	57.75	0	1	6.95	0.98	0.285	-1.97e-05	0.000693503			
ENSMUST0000100339	Snaq47	chr11	+	355.6	59407383	ch11:59407134-59407810	51.16	62.11	0.45	74.09	37.68	0.66	30.66	0.74	95.91	6.79	0.93	0.555	0.835	-0.28	0.996-06	0.00039609	
ENSMUST0000098683	Acd3b	chr9	+	73.1	15297449	ch9:15297449-15297654	32.38	36.19	0.96	33.73	26.19	0.66	39.73	0.76	33.7	0	1	0.755	0.853	-0.26	0.04580571		
ENSMUST0000098679	Zfp280d	chr9	+	87.1	7236291	ch9:7236240-7236377	37.9	14.05	0.74	42.07	14.05	0.77	38.88	1.05	0.97	0.98	0.745	0.985	-0.24	0.000475371	0.00095450		
ENSMUST0000102819	Dn1	chr2	+	80.3	156995592	ch2:15699525-156999821	22.13	0.87	0.3	0.81	39.7	0.3	0.81	1	37.26	7.35	0.67	0.88	0.92	-0.24	0.008810548	0.08509408	
ENSMUST0000102819.1	Gtd1	chr2	+	60.2	44564412	ch2:44564315-44565358	26.59	12.86	0.65	30.04	0.84	0.98	45.88	0.97	0.98	0.45	0.99	0.75	0.39	0.07	0.000913511	0.000913511	
ENSMUST0000102819.2	Zfp280d	chr9	+	87.3	72362918	ch9:7236240-7236371	38.05	12.76	0.75	41.21	14.2	0.75	37.9	1.05	0.97	0.97	0.75	0.94	0.85	-0.235	0.000475371	0.00095450	
ENSMUST000008545.11	Tlod1	chr11	+	122.3	78180376	ch11:78180375-78180480	49.33	26.11	0.63	55.28	25.14	0.63	60.27	5.58	0.86	5.64	0.86	0.67	0.905	-0.235	0.000855301	0.01749143	
ENSMUST0000002460.13	Pcbp4	chr9	+	257.8	106463408	ch9:106463131-106463962	305.63	94.37	0.76	336.19	98.49	0.77	281.9	2.31	0.99	266.67	3.88e-22	0.9	0.765	-0.235	3.88e-22	4.99e-19	
ENSMUST0000102619	Ctcfp1	chr4	+	142.5	41657769	ch4:41657488-41658152	61.55	20.23	0.75	58.19	30.9	0.65	30.9	0.86	32.3	0	1	0.7	0.93	-0.23	0.0039342	0.04761333	
ENSMUST00000311.11	Hip1	chr5	+	496	135409399	ch5:13540531-135411269	46.85	16.5	0.74	44.19	23.12	0.66	55.4	4.75	0.92	56.66	4.18	0.93	0.7	0.925	-0.225	0.01650366	0.017593628
ENSMUST00000112523.3	Ctln3	chr6	+	437.1	124431042	ch6:124430759-124431732	38.7	4.2	0.48	55.32	26.84	0.67	52.2	1.75	0.58	57.14	6.84	0.87	0.575	0.8	-0.225	0.00639836	0.08811141
ENSMUST0000077672.11	Col4a3bp	chr13	+	96.3	96637418	ch13:9663718-96663750	26.13	15.45	0.63	26.14	12.57	0.68	44.45	1	30.66	9.89	0.76	0.655	0.88	-0.225	0.00776909	0.078642371	
ENSMUST0000024899.1	Gm3380	chr6	+	196.1	40255839	ch6:40254851-40255642	50.05	16.15	0.76	47.12	15.57	0.65	36.66	1	36.66	1	0.755	0.975	-0.222	0.00854688	0.01479143		
ENSMUST00000179819	Niras2	chr11	+	250.6	10062767	ch11:100626994-100627543	49.76	18.49	0.78	49.45	35.26	0.79	48.45	6.45	0.93	100.43	13.74	0.93	1.0	0.755	-0.225	0.002072496	
ENSMUST00000108295	Unc119	chr11	+	579.3	78349988	ch11:78348465-78349164	41.19	18.57	0.69	43.7	17.23	0.72	60.62	1	49.87	10.24	0.85	0.915	-0.21	0.004615286	0.05426781		
ENSMUST00000108295.1	Zfp280d	chr9	+	88.4	72362739	ch9:7236240-7236372	42	9	0.82	43.51	1.4	0.96	38.14	1.4	38.14	0.66	0.97	0.76	0.97	-0.21	0.006451721	0.06838036	
ENSMUST0000160578.1	Bgap2	chr12	+	80.6	11171117	ch12:111709004-111711412	31.01	15.19	0.67	33.1	37.04	0.91	33.1	3.75	0.91	37.04	0.83	0.955	-0.205	0.00774619	0.07851623		
ENSMUST0000082424.10	Selenop	chr5	+	102.4	327957	ch5:3279102-3280508	37.77	25.36	0.71	39.46	11.42	0.96	40.33	3.33	0.96	40.33	0.92	0.94	0.95	-0.195	0.00485217	0.05608257	
ENSMUST0000082424.5	Gstcd	chr3	+	411.6	132982949	ch3:132982712-132983219	56.07	12.82	0.71	69.92	7.31	0.91	69.92	1	71.13	0	1	0.81	1	-0.195	3.86e-05	0.01127212	
ENSMUST000010712.12	Langf1	chr7	+	107.1	41452686	ch7:41452681-4147915	85.45	44.11	0.67	86.87	27.43	0.87	86.87	1.4	86.87	1.4	0.97	0.93	0.97	-0.195	0.00040403	0.00040403	
ENSMUST0000112538.3	Zranb3	chr1	+	91.7	12795484	ch1:12795470-127955065	35.09	4.6	0.88	35.6	13.28	0.73	38.04	0.34	38.04	0	1	0.805	0.995	-0.19	0.005718169	0.07016535	
ENSMUST0000164296.7	Brd3	chr2	+	110.8	27448010	ch2:2744783-27448389	64.67	23.11	0.74	57.93	10.36	0.85	46.87	0.76	0.83	0.83	0.75	0.995	-0.19	0.009937379	0.09348474		
ENSMUST0000101249.9	Hmnpab	chr11	+	220982.6	51801889	ch11:51801328-51801890	769.44	179.99	0.81	756.95	163.32	0.82	871.82	0	1	898.76	1	1	-0.185	-0.185	1.43e-53	7.81e-50	
ENSMUST0000101249.1	Gm17231	chr9	+	1092.6	67834109	ch9:67834109-67834200	64.2	53.46	0.92	64.2	53.46	0.92	64.2	0.74	64.2	0.74	0.96	0.91	0.915	-0.185	0.00154544		
ENSMUST0000021164.3	Pimreg	chr7	+	1092.6	7204718	ch7:7204687-7204730	95.4	70.35	0.55	110.94	74.35	0.67	101.94	63.66	0.77	173.05	38.47	0.82	0.75	-0.185	0.00139475	0.03346117	
ENSMUST0000041317.2	Anmecri1	chrX	+	419.8	14885444	chX:142851146-14285564	65.08	23.39	0.74	61.35	8.31	0.88	55.56	1	54.58	0.99	0.81	0.995	-0.185	0.000373979	0.07840429		
ENSMUST0000041317.1	Mir618	chr6	+	604.8	12631007	ch6:12631007-12631007	51.48	36.42	0.86	79.91	126.79	0.81	126.79	22.45	0.86	79.91	31.63	0.91	0.91	-0.185	0.008693789		
ENSMUST0000058285.7	C1qlat1c1	chrX	+	80.2	3825946	chX:3825946-3825946	29.9	23.9	0.95	37.62	29.9	0.95	37.62	29.9	1	0	1	0.815	1.0	-0.185	0.009535379	0.09029070	
ENSMUST0000024722.6	Ehd1	chr1	+	100	87309906	ch1:87309661-87310839	73.97	14.23	0.75	85	10.42	0.89	59.93	0	1	60.73	0	1	0.82	-0.18	0.00267908	0.006033503	
ENSMUST0000024722.5	Rap1gds1	chr3	+	313.1	13892751	ch3:13892751-138927712	67.35	27.72	0.79	72.56	64.89	0.74	67.35	0.99	66.89	3.19	0.95	0.97	-0.18	0.000238542	0.000359994		
ENSMUST0000024722.4	17000178050601	chr9	+	130.6	57233361	ch9:57233361-57233428	61.92	0.9	0.62	61.92	0.9	0.62	61.92	0.9	0.62	61.92	0.9	0.62	0.995	-0.175	0.000238542	0.000359994	
ENSMUST0000174411.1	Smad7	chr18	+	98.6	75394173	ch18:75393827-75394385	37.76	24.29	0.61	36.1	10.2	0.78	36.08	10.79	0.84	52.87	5.15	0.91	0.695	-0.175	0.01057362	0.09752156	
ENSMUST0000174411.2	Nich	chr14	+	102.8	31184057	ch14:31183313-31184397	42.44	5.2	0.69	35.87	12.25	0.7	35.87	1	36.94	0.27	0.99	0.95	-0.175	0.007550435	0.07704481		
ENSMUST0000109570.7	Aarg2	chr10	+	170.3	156567621	ch10:156566885-156581754	33.46	13.94	0.71	38.49	8.81	0.81	55.84	0	1	48.53	7.42	0.76	0.935	-0.175	0.00484249	0.0963547	
ENSMUST0000109570.6	Chevc2	chr2	+	452.9	20262922	ch2:20262923-20262979	58.72	33.97	0.84	61.9	17.9	0.92	61.9	11.9	0.96	61.9	0.96	0.91	0.98	-0.17	0.000230259	0.00391101	
ENSMUST0000048774.12	Coag2	chr6	+	37.9	30748465	ch6:30748465-30748987	73.68	32.21	0.68	73.68	32.21	0.68	73.68	22.43	0.82	62.67	0.94	0.95	-0.175	0.00104592	0.02348756		
ENSMUST000000992.12	Upf2	chr2	+	130.7	6055634	ch2:6055433-6056703	45.14	14.17	0.76	53.68	11.1	0.83	63.37	2.32	0.96	66.3	2.36	0.97	0.95	-0.175	0.00368291	0.044281918	
ENSMUST000000992.11	Ehd4	chr6	+	119	32652261	ch6:32652261-32652261	34.36	21.69	0.83	42.68	0.83	0.83	4										

ENSMUST0000000238.14	Eli2z3x	chrX	-	3678.9	94190554	chrX:94188707-94190922	330.17	60.14	0.85	324.4	64.51	0.83	348.06	47.54	0.88	361.1	25.35	0.93	0.84	0.905	-0.065	0.004669638	0.066793627			
ENSMUST000010634.73	Papola	chr12	+	105839666	1210583966	chr12:105839666-105837131	20.05	2.15	0.99	197.39	24.61	0.99	197.39	24.61	0.99	196.38	24.61	0.99	1	0.94	1	-0.06	0.000251204	0.005747409		
ENSMUST0000000002.12	Adipo2	chr6	+	44303243	44303243	chr6:44303243-110500000	27.19	27.19	0.99	278.1	27.19	0.99	278.1	27.19	0.99	278.1	27.19	0.99	1	0.94	1	-0.06	0.002016563	0.002016563		
ENSMUST000007645.11	Grlf1f	chr5	-	8865397	8865397	chr5:88653948-88660459	159.63	2.94	0.98	180.4	2.94	0.98	180.4	2.94	0.98	184.1	2.94	0.98	1	0.93	0.99	-0.06	0.002466834	0.038141549		
ENSMUST0000017633.7	Nan1	chr6	+	1144.1	91678899	chr6:161878154-91679207	112.38	8.6	0.93	110.6	8.02	0.93	110.6	8.02	0.93	156.82	3.99	0.98	0.98	0.99	0.99	-0.06	0.005573833	0.06375614		
ENSMUST0000002362.14	Son	chr16	+	1603.5	13835341	chr16:13835341-13835451	11.28	12.54	0.88	119.48	0.88	0.99	119.48	0.88	0.99	144.41	1.1	0.94	1	0.94	1	-0.06	0.007923171	0.077940936		
ENSMUST0000000000.12	Scd7	chr19	+	2443492	44303243	chr19:44303243-94308664	179.69	24.01	0.88	1784.66	177.02	0.82	1784.66	177.02	0.82	1916.57	38.18	0.96	0.96	0.99	0.99	-0.06	0.004158108	0.004158108		
ENSMUST0000009524.6	Gm4737	chr16	+	93739	46154499	chr16:46152985-46155077	830.43	200.59	0.81	823.6	211.9	0.8	796.23	143.47	0.85	774.77	117.29	0.87	0.805	0.85	0.85	-0.055	0.000933553	0.015881462		
ENSMUST0000107657.7	Nle21	chr11	+	96820315	96820315	chr11:96841182-96820514	441.41	57.86	0.88	443.32	69.13	0.87	448.41	51.63	0.9	491.01	22.68	0.96	0.96	0.96	0.96	-0.055	0.002914611	0.03786507		
ENSMUST0000008581.8	Gaj1	chr0	+	30340.1	56387981	chr10:56387953-56390415	769.93	318.78	0.71	763.54	289.57	0.74	662.08	227.45	0.74	664.98	160.65	0.81	0.72	0.75	0.75	-0.055	0.003969647	0.048256359		
ENSMUST0000000000.12	Eih4f1	chr11	+	15329846	69138986	chr11:6906666-69067619	2009.48	75.36	0.99	1409.38	141.92	0.99	1409.38	141.92	0.99	1409.38	141.92	0.99	1	0.93	1	-0.06	0.002466834	0.038141549		
ENSMUST0000010286.9	Set	chr2	+	12404.8	30071191	chr2:30070919-30072577	770.15	1540.3	0.36	793.48	707.19	0.37	707.19	1540.3	0.3	740.53	1744.17	0.3	0.355	0.3	0.355	0.3	0.055	0.000112502	0.002851929	
ENSMUST0000009973.10	Ef2z2	chr2	+	12153.5	154872471	chr2:154871410-154872900	135.47	566.18	0.19	139.03	619.54	0.18	96.71	615.55	0.14	90.22	652.82	0.12	0.185	0.12	0.13	0.13	0.055	0.001961842	0.0288071	
ENSMUST0000000000.12	Pabpn1	chr14	+	6083.8	54891272	chr14:54891272-54891304	96.01	55.6	0.95	546.36	0.16	0.95	546.36	0.16	0.95	678.02	78.68	0.94	0.95	0.95	0.95	-0.055	0.00235534	0.03172739		
ENSMUST0000002713.14	Hspd1	chr1	+	42389.4	5507804	chr1:55077835-55078440	659.26	287.56	0.64	704.77	275.45	0.66	751.55	286.55	0.66	773.12	173.12	0.68	0.67	0.68	0.67	0.67	0.055	0.003574614	0.068044848	
ENSMUST00000112529.7	Sms	chrX	+	8752.2	157445684	chrX:157443855-157446176	195.88	491.8	0.28	198.89	535.24	0.27	135.95	492.17	0.22	144.02	517.41	0.22	0.25	0.22	0.25	0.22	0.055	0.009785556	0.09225888	
ENSMUST00000150350.8	Rpl13a	chr7	+	4422831	45122831	chr7:45122558-45122602	590.13	1280.61	0.32	652.89	1617.45	0.29	617.45	1398.13	0.26	629.18	1433.12	0.23	0.305	0.26	0.305	0.26	0.055	0.0101655	0.01725234	
ENSMUST0000000000.12	Scp1	chr6	+	98789.8	67284104	chr6:67283963-67284311	752.09	762.32	0.5	827.2	900.87	0.51	692.66	850.87	0.45	694.5	878.71	0.44	0.505	0.48	0.505	0.48	0.055	0.010070327	0.024400683	
ENSMUST00000116476.8	Pabpn1	chr14	+	28355.1	54897232	chr14:54897121-54898156	92.84	541.09	0.15	103	497.37	0.17	71.45	643.16	0.1	78.15	691.25	0.1	0.16	0.1	0.16	0.1	0.06	0.001745676	0.0256654	
ENSMUST00000032078.8	Cd7	chr6	+	15670.8	85468254	chr6:85468053-85468475	704.96	552.14	0.56	843.74	477.77	0.64	768.62	598.07	0.56	761.95	801.18	0.52	0.6	0.54	0.6	0.54	0.06	0.0018552	0.02696216	
ENSMUST00000139129.8	Snp1	chr11	+	11157.1	86051376	chr11:86049422-86065375	62.72	460.54	0.15	81.61	450.35	0.15	81.61	450.35	0.15	81.61	441.12	0.19	0.19	0.19	0.19	0.19	0.06	0.002129631	0.026937319	
ENSMUST0000000569.8	Cs	chr10	+	2728.9	139381278	chr10:13938098-1393820479	243.89	0.97	0.98	493.4	0.97	0.98	493.4	0.97	0.98	36.03	36.03	0.95	0.95	0.95	0.95	0.95	0.055	0.00415101	0.04989689	
ENSMUST0000002016.9	Enpp3	chr10	-	6801.2	2477384	chr10:2477406-24774072	117.6	487.31	0.1	62.52	428.67	0.2	65.78	429.38	0.13	74.4	446.73	0.14	0.16	0.135	0.16	0.135	0.06	0.006455039	0.06855985	
ENSMUST00000119865.7	Mtf1f	chr3	+	162.8	16219239	chr3:16219038-16219370	105.17	10.5	1	110.45	0.13	1	110.45	0.13	1	119.72	16.61	0.88	1	0.94	0.88	1	0.94	0.88	0.008901347	0.08559365
ENSMUST0000000000.12	Tmem59	chr4	+	2055.3	107203569	chr4:107203569-107200898	319.94	0	1	395.39	0.2	1	395.39	0.2	1	400.98	21.76	0.95	0.95	0.95	0.95	0.95	0.055	0.0025057	0.133835	
ENSMUST00000003346.5	Pip2	chrX	-	4521.1	7668304	chrX:7668186-7668503	376.81	0.78	0.98	416.4	0.98	0.98	362.33	30.23	0.92	395.35	16.61	0.91	0.98	0.95	0.98	0.95	0.065	0.000191594	0.004576342	
ENSMUST00000179865.7	Cancx	chr11	+	95149.7	92059704	chr11:50239361-50239335	356.01	774.15	0.32	391.15	786.38	0.31	345.47	1031.27	0.25	399.81	1094.94	0.22	0.325	0.265	0.325	0.265	0.065	0.000342689	0.00728195	
ENSMUST0000100135.9	Sbp	chr5	+	1461.9	33643999	chr5:33643055-33649228	193.37	2.9	0.98	198.94	0.9	0.98	198.94	0.9	0.98	191.24	16.36	0.92	0.99	0.925	0.99	0.925	0.065	0.000793833	0.014029265	
ENSMUST0000000000.12	Rhp27	chrX	-	377.62	162773746	chrX:162773746-162778919	23.36	222	0.93	162.77	23.36	0.93	162.77	23.36	0.93	162.77	23.36	0.93	0.93	0.93	0.93	0.93	0.055	0.004789849	0.004789849	
ENSMUST0000000000.12	Tm28	chr7	+	87460.3	1303913	chr7:13039689-13031305	687.22	582.08	0.79	757.01	747.02	0.78	757.01	747.02	0.78	733.34	324.01	0.69	0.79	0.725	0.79	0.725	0.055	0.001812698	0.02710452	
ENSMUST0000002955.6	Ef3a	chr9	+	13833.6	60782103	chr9:18079116-607823054	37.15	457.47	0.45	366.04	206.52	0.44	242.37	206.52	0.43	242.37	430.48	0.39	0.45	0.385	0.45	0.385	0.065	0.01047508	0.09636420	
ENSMUST0000000000.12	Sbac1	chr4	+	1023.9	6963373	chr4:6963373-69634004	261.96	48.82	0.98	444.58	261.96	0.98	444.58	261.96	0.98	444.58	261.96	0.98	0.98	0.98	0.98	0.98	0.055	0.00216519	0.03078563	
ENSMUST0000016501.17	Nalc1	chr9	+	8005	4608446	chr9:46084012-46085528	69.68	390.99	0.15	72.79	366.73	0.17	61.42	600.76	0.09	60.71	647.12	0.09	0.16	0.09	0.16	0.09	0.07	0.000609648	0.01145428	
ENSMUST0000010911.8	Sart3	chr5	+	635.8	113742823	chr5:113742446-113743303	139.73	1.99	0.99	150.13	1.99	0.99	150.13	1.99	0.99	160.3	0.92	0.99	0.99	0.99	0.99	0.99	0.055	0.00074347	0.01336193	
ENSMUST0000002881.7	Pcna	chr2	+	28527.2	13244962	chr2:132429162-132429895	207.84	449.71	0.33	276.11	406.2	0.4	253.02	619.14	0.29	263.03	622.25	0.3	0.365	0.295	0.365	0.295	0.07	0.00313419	0.039999294	
ENSMUST0000000000.12	Pip1c	chr5	+	1968.6	12944571	chr5:122174026-122175373	362.89	33.23	0.95	365.23	33.23	0.95	365.23	33.23	0.95	365.23	33.23	0.95	0.95	0.95	0.95	0.95	0.055	0.00020947	0.002466834	
ENSMUST0000010536.9	Dezap1	chr10	+	2494.6	8028793	chr10:80287536-80288793	334.89	3.88	0.98	299.14	25.42	0.92	260.76	25.42	0.92	260.76	25.42	0.92	0.985	0.91	0.985	0.91	0.985	0.06	0.0045033	0.0045033
ENSMUST000000020637.8	Cancx	chr11	+	110087.2	9205980	chr11:50294467-50294335	484.36	647.56	0.35	528.08	650.85	0.35	528.08	650.85	0.35	528.08	650.85	0.35	0.365	0.365	0.365	0.365	0.365	0.075	0.00023976	0.005546229
ENSMUST00000172868.7	Ube2i	chr17	+	58375.2	2528842	chr17:25286687-25288613	112.54	644.52	0.42	107.23	396.73	0.25	79.41	584.42	0.13	79.78	629.45	0.13	0.205	0.13	0.205	0.13	0.065	0.000314	0.006798857	
ENSMUST0000000000.12	Nsun3	chr13	+	6983373	6963373	chr13:6963373-69634004	261.96	48.82	0.98	444.58	261.96	0.98	444.58	261.96	0.98	444.58	261.96	0.98	0.98	0.98	0.98	0.98	0.055	0.00216519	0.03078563	
ENSMUST00000009042.9	Pf1c1	chr2	+	491.2	16078225	chr2:16076204-16078236	115.06	0	1	116.89	0	1	116.89	0	1	116.89	0	1	0.99	0.99	0.99	0.99	0.99	0.055	0.00023976	0.005546229
ENSMUST0000000000.12	Hmnpad1	chr6	+	55057.3	51461215	chr6:51461124-51461433	312.02	194.95	0.62	338.74	166.46	0.67	565.48	433.24	0.67	629.27	187.36	0.57	0.645	0.57	0.645	0.57	0.075	0.005844316	0.04831766	
ENSMUST0000000000.12	Nbd1	chr7	+	10714.6	10714608	chr7:10714608-10714608	20.15	43.5	0.96	20.15	43.5	0.96	20.15	43.5	0.96	20.15	43									

ENSMUST0000002940.10	Tfam	chr10	-	411.7	71228044	chr10:71225464-71228699	38.54	136.43	0.22	34.24	148.92	0.19	19.12	179.51	0.1	18.15	181.91	0.09	0.205	0.095	0.11	0.00298713	0.0383418	
ENSMUST0000000974.10	Pp2cb	chr9	-	12457.5	33619323	chr8:33611923-33619441	179.39	81.39	0.7	221.15	87.64	0.67	205.43	109.69	0.65	172.6	124.19	0.55	0.71	0.1	0.0081066	0.06044272		
ENSMUST0000001172.10	Egfp1	chr17	-	1437.1	14555121	chr17:14555055-14555695	10.73	200.1	0.73	229.2	193.72	0.82	200.1	107.2	0.7	193.72	200.1	0.73	229.2	193.72	0.82	200.1	107.2	
ENSMUST00000011927.7	Fg8	chr9	-	505.7	4573703	chr19:45736536-45737280	174.39	30.94	0.5	226.04	86.17	0.9	226.04	9.63	0.9	226.04	63.21	0.24	0.92	0.81	0.11	0.007592637	0.0773273	
ENSMUST0000000886.9	Ppig	chr2	+	376.7	6975040	chr2:69749272-69750412	27.02	109.59	0.21	25.92	106.25	0.2	16.26	24.66	0.21	14.14	148.51	0.09	0.205	0.095	0.11	0.01075005	0.09854201	
ENSMUST00000018686.1	241000292R8Rk	chr7	+	2782	44251457	chr7:44251101-144251831	97.7	1.95	0.98	104.26	0	0	92.82	123.34	0.8	101.34	24.66	0.52	0.95	0.39	0.115	0.002554555		
ENSMUST00000004477.9	Luc7b	chr11	-	1695.3	94292193	chr11:94291939-94292329	176.96	17.1	0.86	176.96	17.1	0.86	176.96	17.1	0.86	176.96	17.1	0.86	176.96	17.1	0.86	176.96	17.1	
ENSMUST00000012091.8	Rab9	chrX	-	2416.3	166457675	chrX:166457253-166458343	190.52	64.44	0.76	199.31	17.1	0.86	176.96	17.1	0.86	176.96	17.1	0.86	176.96	17.1	0.86	176.96	17.1	
ENSMUST00000008390.15	Cers4	chr8	+	334.8	4524042	chr8:4523904-4531680	24.14	10.13	0.19	10.37	154.13	0.28	9.1	121.46	0.08	9.1	73.44	0.07	0.7	0.115	0.115	0.00497451	0.05678878	
ENSMUST0000001597.72	Klfa2	chr13	-	1137	109962023	chr13:109961852-109962224	106.51	0	1	95.95	10.99	0.9	93.97	36.94	0.72	121.47	6.68	0.95	0.95	0.835	0.115	0.005813848	0.06425119	
ENSMUST00000001983.9	Nau15	chr3	-	546.2	514726614	chr3:514726614-5147651	30.76	116.9	0.1	31.65	116.9	0.1	31.65	116.9	0.1	31.65	116.9	0.1	31.65	116.9	0.1	31.65	116.9	
ENSMUST00000012107.07	Slh1	chr15	-	618.5080	81363680	chr15:81363689-81365578	160.83	372.53	0.03	163.34	380.1	0.18	163.34	380.1	0.18	121.47	542.26	0.18	0.18	0.18	0.12	0.0089974	0.1046E-06	
ENSMUST00000001507.4	Cyp51	chr5	-	12427	4082355	chr5:4081310-4083033	229.92	343.54	0.4	259.01	346.39	0.43	180.19	432.73	0.29	190.65	48.87	0.3	0.415	0.15	0.12	1.52E-05	0.006557728	
ENSMUST0000001773.0	Rabp11	chr11	-	4143.3	79043953	chr11:79043953-79049040	75.45	61.3	0.98	65.63	61.3	0.98	65.63	61.3	0.98	65.63	61.3	0.98	65.63	61.3	0.98	65.63	61.3	
ENSMUST00000005654.8	9130401MRk	chr15	-	876.1	5802255	chr15:5802255-58022565	69.39	1.02	0.81	96.22	91.69	0.7	96.22	91.69	0.7	96.22	91.69	0.7	96.22	91.69	0.7	96.22	91.69	
ENSMUST00000029405.7	Gmpa	chr3	+	400.5	6401834	chr3:64016633-64022579	23.19	1.22	23.59	97.22	11.01	0.23	103.87	0.2	11.01	103.87	0.1	10.83	125.08	0.08	0.21	0.12	0.08205972	0.081410948
ENSMUST0000007959.11	U2surp	chr9	-	328.2	95461034	chr9:95468989-95461543	20.94	74.43	0.22	20.12	78.83	0.2	12.93	117.19	0.1	10.57	125.48	0.08	0.21	0.09	0.12	0.010108784	0.094848544	
ENSMUST0000000425.12	Pdzg1	chr10	-	12933.8	129593739	chr10:129557766-1295938971	229.83	360.14	0.39	360.14	230.78	0.39	360.14	230.78	0.39	360.14	230.78	0.39	360.14	230.78	0.39	360.14	230.78	
ENSMUST0000002590.7	Ep29	chr5	-	1641.3	121445068	chr5:121444756-121445572	10.58	0.88	0.96	240.53	25.79	0.9	263.69	232.1	0.9	263.69	232.1	0.9	263.69	232.1	0.9	263.69	232.1	
ENSMUST00000019367.3	Mpl30	chr5	-	1218.8	37898278	chr1:37898061-37898364	102.05	6.46	0.99	120.94	3.1	113.95	9.85	0.97	120.94	74.03	0.45	0.97	0.82	0.125	0.125	5.14E-06	0.002224537	
ENSMUST00000016633.72	Luc7c	chr11	-	965.5	94291198	chr11:94287930-94291579	64.29	173.23	0.27	62.51	171.67	0.27	37.52	202.77	0.16	33.98	228.46	0.13	0.27	0.145	0.125	0.00638983	0.01180049	
ENSMUST000000110931.8	Gat4	chr5	+	209.1	13026912	chr5:13026891-13026925	197.69	53.72	0.75	227.32	86.94	0.72	227.32	86.94	0.72	227.32	86.94	0.72	227.32	86.94	0.72	227.32	86.94	
ENSMUST000000153558.7	Scamp1	chr3	-	551.4	94203954	chr3:94203747-94204163	115.68	69.72	0.85	110.86	16.91	0.87	110.86	16.91	0.87	110.86	16.91	0.87	110.86	16.91	0.87	110.86	16.91	
ENSMUST000000029480.8	Ppf58b	chr3	-	1495.2	108903858	chr3:108902907-108904762	123.46	118.93	0.51	113.18	122.47	0.48	78.4	132.22	0.37	73.91	125.54	0.37	0.495	0.37	0.125	0.009633399	0.091048723	
ENSMUST00000021148.12	Ube2g1	chr11	-	412.2	72684504	chr11:7268324-72684621	90.69	34.29	0.26	34.29	90.78	0.27	16.48	104.27	0.14	17.13	104.27	0.14	0.265	0.14	0.125	0.01023555	0.029548522	
ENSMUST00000002630.7	Hsp44	chr11	-	3115.2	53261058	chr11:53259814-53261815	165.22	483.83	0.25	171.26	993.38	0.12	171.26	993.38	0.12	171.26	993.38	0.12	171.26	993.38	0.12	171.26	993.38	
ENSMUST000000197134.2	Ube23	chr3	-	6033	13545857	chr3:13546195-13546675	199.13	294.5	0.39	193.71	289.15	0.4	154.85	428.88	0.27	158.03	447.02	0.26	0.395	0.265	0.115	0.00192959		
ENSMUST00000012218.1	Cbcb	chr5	-	652	103199558	chr5:103199255-103199791	187.48	7.08	0.97	185.78	6.9	0.96	133.79	35.15	0.8	129.88	19.61	0.82	0.835	0.13	0.115	1.01E-05	0.004019599	
ENSMUST0000000289.12	Nucle1	chr1	-	1330.3	15009129	chr1:15009129-15009264	174.41	147.9	0.65	240.2	150.94	0.62	240.2	150.94	0.62	240.2	150.94	0.62	240.2	150.94	0.62	240.2	150.94	
ENSMUST000000115529.7	Lyp1a	chr1	-	261.6	4845164	chr1:4844963-484532	103.86	0	1	95.27	0	1	79.77	10.56	0.85	86.55	10.31	0.89	1.0	0.13	0.000266202	0.02608141		
ENSMUST000000115131.7	Ccp1	chr6	-	1728.9	30855625	chr6:30854378-30855850	216.58	54.35	0.8	210.55	42.02	0.83	210.55	42.02	0.83	210.55	42.02	0.83	210.55	42.02	0.83	210.55	42.02	
ENSMUST00000029303.12	Naa15	chr3	+	570.9	51473987	chr3:51472600-51475985	37.22	112.59	0.25	38.33	108.59	0.26	21.22	148.37	0.12	19.88	144.07	0.12	0.255	0.125	0.115	0.003225212	0.040805446	
ENSMUST00000004	Chmp4b	chr2	+	2469.6	15489418	chr2:15489418-15489475	94.24	102.3	0.48	94.24	102.3	0.48	94.24	102.3	0.48	94.24	102.3	0.48	94.24	102.3	0.48	94.24	102.3	
ENSMUST00000008502.11	Vrk1	chr12	-	249.6	106075208	chr12:106075007-10607426	29.14	22.82	0.12	29.14	22.82	0.12	29.14	22.82	0.12	29.14	22.82	0.12	29.14	22.82	0.12	29.14	22.82	
ENSMUST0000007698.12	Syp1	chr12	-	527.5	32978697	chr12:32975590-32979860	33.46	104.34	0.24	36.31	99.74	0.27	18.51	128.52	0.13	19.06	138.46	0.12	0.255	0.125	0.115	0.005447265	0.061019681	
ENSMUST00000015176.5	Fam115	chr11	-	15176.5	113662410	chr11:113662410-113663549	93.29	114.53	0.91	114.53	93.29	0.91	114.53	93.29	0.91	114.53	93.29	0.91	114.53	93.29	0.91	114.53	93.29	
ENSMUST00000019875.1	Mpl55	chr12	-	1049.7	59258551	chr12:59258540-59260023	74.85	117.7	0.33	94.76	121.11	0.37	94.76	121.11	0.37	94.76	121.11	0.37	94.76	121.11	0.37	94.76	121.11	
ENSMUST000000152362.6	Ppf18	chr2	-	99.3	4624325	chr2:4624208-4624526	44.22	1.76	0.96	44.5	11.06	0.8	44.5	11.06	0.8	50.62	5.5	0.98	0.85	0.115	0.115	0.008147165	0.08126553	
ENSMUST000000041297.14	Zbed4	chr5	+	208	88778610	chr5:88778409-88784516	46.63	1.59	0.97	47.72	0	1	46.63	7.29	0.88	49.87	10.25	0.83	0.985	0.855	0.115	0.008395558	0.082460735	
ENSMUST0000000796.10	Sy72	chr5	+	637.6	10986117	chr5:10986162-10986816	136.01	144.57	0.16	144.57	143.93	0.16	144.57	143.93	0.16	144.57	143.93	0.16	144.57	143.93	0.16	144.57	143.93	
ENSMUST00000007960.6	Hnmp40	chr13	-	9870.4	58127169	chr13:58125879-58128556	308.14	741.84	0.29	318.32	717.63	0.31	188.44	966.89	0.16	188.54	911.58	0.17	0.3	0.165	0.135	1.62E-13	1.42E-11	
ENSMUST000000105616.9	Gnb1	chr4	-	6688	155557692	chr4:155557471-155559269	247.82	30.6	0.33	262.65	471.39	0.36	262.65	471.39	0.36	262.65	471.39	0.36	262.65	471.39	0.36	262.65	471.39	
ENSMUST000000021083.6	Atpt1	chr11	-	3863	115496068	chr11:115497353-115496299	247.82	136.64	0.64	247.82	136.64	0.64	247.82	136.64	0.64	247.82	136.64	0.64	247.82	136.64	0.64	247.82	136.64	
ENSMUST000000132498.16	Atptv1a	chr16	-	1309.3	44087315	chr16:44087315-44087315	127.85	6.04	0.96	126.04	127.85	0.96	126.04	127.85	0.96	126.04	127.85	0.96	126.04	127.85	0.96	126.04	127.85	
ENSMUST000000058733.8	Smim7	chr8	+	1198.2	72567807	chr8:72567807-72567808	125.43	39.78	0.76	128.59	18.98	0.65	128.59	18.98	0.65	128.59	18.98	0.65	128.59	18.98	0.65	128.59	18.98	
ENSMUST0000000636.12	Atptv1a	chr16	-	507.7	44087256	chr16:44087504-44087516	118.33	12.46	0.9	116.44	12.46	0.9	116.44	12.46	0.9	116.44	12.46	0.9	116.44	12.46	0.9	116.44	12.46	
ENSMUST0000000733.3	Hnmp40	chr13	-																					

ENSMUST0000025667.12	Rtn3	chr19	-	14326.9	7427.258	chr19:7425904-7427875	328.87	297.27	0.53	341.89	294.75	0.54	236.38	421.15	0.36	253.86	414.7	0.38	0.535	0.37	0.165	7.76E-09	7.73E-07	
ENSMUST0000017068.17	08_Sep	chr1	+	518.1	53541790	chr1:53541030-53544096	86.08	0	1	85.73	0	1	67.45	16.34	0.8	68.84	10.44	0.87	1	0.835	0.165	5.21E-05	0.00152439	
ENSMUST0000018823.48	Cwrt1	chr5	+	163450583	163450583	chr5:163450583-163450583	0.87	0	1	0.87	0	1	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.165	1.51E-03	
ENSMUST0000019828.54	Ocdr	chr5	+	1090	4543429	chr5:4543421-45434678	145.82	24.31	0.86	160.43	15.59	0.91	123.82	0.86	0.84	150.2	3.07	0.88	0.72	0.165	0.00101942	0.00270817		
ENSMUST00000102487.3	Szrd1	chr4	+	1735.5	141115576	chr4:141113001-141115864	123.57	52.78	0.7	131.87	144.95	0.71	144.95	13.34	0.54	140.81	3.24	0.54	0.705	0.165	0.00037864	0.007913848		
ENSMUST0000008650.11	Yap1	chr9	+	1149.7	7933933	chr9:7933933-7934732	133.79	24.97	0.7	0.84	134.25	0.81	134.25	56.11	0.79	133.43	17.02	0.69	0.865	0.165	0.000752198	0.01342238		
ENSMUST0000008366.11	Dn36	chr3	+	3071.6	6247168	chr3:6247168-62470747	76.71	76.23	0.8	76.23	76.23	0.8	76.23	76.23	0.8	76.23	76.23	0.8	0.17	0.165	0.000752198	0.02476962		
ENSMUST00000119929.7	Tmem14b	chr7	+	923.3	109974309	chr7:109973304-109974951	68.98	50.81	0.58	71.85	51.76	0.58	77.45	117.07	0.4	88.35	14.57	0.48	0.58	0.165	0.00549325	0.06134547		
ENSMUST00000046963.1	Map2k4	chr11	+	179.6	65690063	chr11:65688243-65690804	62.36	1.94	0.87	64.17	0	0.75	64.17	18.27	0.75	54.58	14.9	0.79	0.935	0.165	0.00684855	0.06135476		
ENSMUST00000020388.11	Rub1a	chr11	+	4643.7	20225362	chr11:20224448-20226856	153.54	254.8	0.38	162.81	237.87	0.23	169.26	369.02	0.23	109.01	396.69	0.22	0.395	0.165	4.85E-08	3.83E-06		
ENSMUST00000024521.4	Cadm1	chr9	+	428.2	47861813	chr9:47860274-47868189	154.29	4.91	0.87	154.29	4.91	0.87	154.29	169.26	0.79	154.29	169.26	0.79	0.87	0.165	0.000752198	0.000752198		
ENSMUST0000009017.13	Mapk1	chr16	+	1616.2	17045239	chr16:17043886-17047453	59.38	11.27	0.48	21.85	229.79	0.11	25.66	59.38	0.11	25.66	59.38	0.11	0.275	0.165	2.21E-06	0.00106847		
ENSMUST00000115666.7	Oud5	chrX	+	2079.1	7874609	chrX:7874230-7874880	145.25	21.38	0.87	155.03	27.9	0.85	151.73	61.85	0.71	149.18	73.39	0.67	0.86	0.165	0.55E-05	0.001841746		
ENSMUST0000017455.14	Rub1	chr11	+	4413.2	20225362	chr11:20224448-20226856	153.54	254.8	0.38	162.81	237.87	0.23	169.26	369.02	0.23	109.01	396.69	0.22	0.395	0.165	4.85E-08	3.83E-06		
ENSMUST0000009302.10	Usp6x	chrX	+	784.3	13169680	chrX:13169680-131713328	102.68	5.61	0.95	99.1	4.55	0.95	99.1	35.33	0.95	116.27	15.27	0.86	0.955	0.165	0.000752198	0.000752198		
ENSMUST00000026990.5	Thoc3	chr3	+	636.8	54459945	chr3:54458837-54460237	110.09	44.03	0.73	96.61	110.18	0.73	96.61	73.63	0.57	96.56	86.91	0.53	0.72	0.165	0.000911849	0.015592187		
ENSMUST00000021832.6	Wrmip1	chr13	+	569.1	38292309	chr13:38281984-38292609	70.37	9.46	0.88	90.08	0	0.7	62.61	22.96	0.73	69.12	16.21	0.81	0.94	0.165	0.00123858	0.002022146		
ENSMUST00000009800.1	Fam11462	chr11	+	101.4	57453980	chr11:57453980-57464140	87.59	8.5	0.89	75.28	0	0.8	95.6	4.53	0.86	52.19	41.76	0.6	0.945	0.165	0.00124983	0.02014681		
ENSMUST00000069449.6	Rrs2	chr7	+	733.1	11404778	chr7:114046782-114048251	54.19	74.07	0.42	60.18	66.89	0.47	43.82	111.64	0.28	46.1	127.01	0.27	0.445	0.165	0.001878211	0.02714052		
ENSMUST00000057896.4	Gxy1f	chr15	+	203.2	93244927	chr15:93244455-93245129	53.86	2.37	0.97	74.3	53.86	0.97	74.3	19.66	0.7	74.61	1.99	0.99	0.965	0.165	0.0033828	0.042440052		
ENSMUST00000113535.8	Flp11	chr5	+	725.6	74590040	chr5:74585839-74590145	74.36	37.32	0.67	87.17	19.84	0.63	68.94	40.64	0.63	68.94	40.64	0.63	0.51	0.74	0.165	0.005616176	0.06226899	
ENSMUST0000002638.12	Ahrp1	chr2	+	655.5	10985432	chr2:10985237-10984670	47.46	0.88	0.71	117.93	0.88	0.71	117.93	0.88	0.71	117.93	0.88	0.71	0.755	0.625	0.165	0.005681779	0.09519353	
ENSMUST00000007739.4	Pgap1	chr1	+	686.9	54475582	chr1:54472994-54480844	101.11	12.9	0.83	92.81	14.3	0.81	62.29	18.43	0.72	44.51	66.59	0.7	0.9	0.165	0.00689398	0.07157651		
ENSMUST00000129390.5	Gpd11	chr9	+	146.1	114901861	chr9:114900034-114902502	49.72	0	1	48.15	2.9	0.94	43.74	8.87	0.83	41.68	12.36	0.77	0.97	0.165	0.008129147	0.08116196		
ENSMUST00000009130.13	Casul1	chr19	+	343.2	60520761	chr19:60524696-60529087	71.53	54.44	0.4	35.07	55.74	0.4	35.07	110.63	0.24	33.52	11.28	0.23	0.405	0.165	0.00687352	0.0841763		
ENSMUST00000020029.4	E4fa	chr3	+	2180.2	138556123	chr3:138555922-13856214	186.25	71.18	0.72	186.25	107.74	0.59	152.47	107.74	0.59	152.47	107.74	0.59	1.50E-05	0.00557105	0.175	0.008129147	0.08116196	
ENSMUST00000162209.4	Rtm4	chr9	+	363.3	4785275	chr9:4785275-4785567	53.76	5.44	0.91	66.69	0	1	66.42	28.99	0.7	76.39	12.28	0.86	0.955	0.165	0.00084112	0.01466937		
ENSMUST0000005725.14	Sb5d	chr9	+	1090	42524726	chr9:42524585-42525797	73.19	67.47	0.39	45.87	71.17	0.39	45.87	147.79	0.22	41.35	154.14	0.21	0.39	0.165	0.001372215	0.021250208		
ENSMUST00000005281.4	Magl1	chr6	+	211.6	9817450	chr6:9817450-98270008	42.79	21.6	0.92	42.79	21.6	0.92	42.79	21.6	0.92	42.79	21.6	0.92	0.8	0.8	0.165	0.000752198	0.000752198	
ENSMUST00000114286.7	Tmem14b	chr7	+	994.9	109974316	chr7:109973485-109974951	73.25	46.65	0.61	75.86	48.13	0.62	82.1	113.23	0.42	92.64	112.23	0.45	0.61	0.165	0.002754294	0.0623074		
ENSMUST00000169898.7	Shoc2	chr17	+	262.1	54031269	chr17:54031088-54033288	47.06	2.28	0.95	53.95	3.55	0.94	51.44	12.92	0.8	48.99	9.77	0.83	0.945	0.165	0.003326429	0.04188785		
ENSMUST00000121221.4	Simg1	chr11	+	289.8	71007322	chr11:71007322-71007323	73.95	73.95	0.7	73.95	73.95	0.7	73.95	73.95	0.7	73.95	73.95	0.7	0.8	0.165	0.000420924	0.050039065		
ENSMUST00000025997.5	Srmdc1	chr19	+	629.4	53380029	chr19:53379214-53380061	68.59	31.96	0.68	65.51	32.02	0.67	62.3	61.03	0.51	65.02	62.36	0.49	0.5	0.165	0.006358479	0.067940688		
ENSMUST00000113573.7	Atrx	chrX	+	354	105800252	chrX:10579716-105800456	78.21	10.72	0.83	81.65	14.63	0.86	72.16	14.63	0.76	72.16	14.63	0.76	0.85	0.165	0.00719696	0.07417633		
ENSMUST00000146623.7	Gpd11	chr9	+	141.1	114901863	chr9:114899341-114902502	51.13	0	1	48.21	2.8	0.95	42.88	9.77	0.81	42.87	11.08	0.79	0.97	0.165	0.007987067	0.08011595		
ENSMUST00000002718.2	Cid2	chr3	+	310.4	135408528	chr3:135408528-135408528	4.91	0.02	0.64	4.91	0.02	0.64	4.91	0.02	0.64	4.91	0.02	0.64	0.82	0.165	0.000438199	0.000438199		
ENSMUST00000029815.7	Cid2	chr3	+	310.4	135408528	chr3:135408528-135408528	36.03	63.82	0.36	40.41	48.75	0.26	40.41	28.99	0.26	40.41	28.99	0.26	0.23	0.165	0.00987552	0.0861107		
ENSMUST0000000507.6	Hsp17	chr5	+	831.2	13588942	chr5:135889241-135889563	105.22	18.25	0.85	100.33	18.25	0.85	100.33	18.25	0.76	100.33	18.25	0.76	0.81	0.165	0.00012199	0.003195884		
ENSMUST00000019224.1	Dnag10	chr2	+	2094.7	80353479	chr2:80353479-80354043	106.83	75.05	0.59	101.54	66.46	0.59	101.54	93.79	0.76	101.54	93.79	0.76	0.385	0.165	0.000282419	0.006393994		
ENSMUST00000019224.1	Usp44	chr10	+	58.5	7945219	chr10:7945219-79453088	69.11	69.11	0.8	69.11	69.11	0.8	69.11	69.11	0.8	69.11	69.11	0.8	1.82	0.165	0.00012199	0.003195884		
ENSMUST00000107107.8	Flaa	chr4	+	937.8	94569396	chr4:94569167-94569909	115.83	47.01	0.73	120.53	47.01	0.73	120.53	47.01	0.73	120.53	47.01	0.73	0.55	0.725	0.165	0.00066029	0.0108335	
ENSMUST00000165630.2	Tom1	chr8	+	298.8	75069784	chr8:75069750-75070121	71.41	0	1	68.87	7.84	0.7	72.72	22.87	0.76	80.72	98.05	0.76	0.77	0.165	0.00078466	0.01357796		
ENSMUST00000075017.12	Hps1	chr11	+	832.23	401381628	chr11:401381628-401392068	49.63	19.3	0.63	49.63	19.3	0.63	49.63	19.3	0.63	49.63	19.3	0.63	0.8	0.8	0.165	0.001000204	0.01790111	
ENSMUST00000041897.6	Dicer1	chr12	+	161.4	104691491	chr12:104687742-104691758	46.38	65.87	0.41	42.55	102.02	0.29	42.44	97.48	0.18	20.61	109.61	0.16	0.35	0.165	0.00151637	0.02318551		
ENSMUST00000047357.9	Cpsf2	chr12	+	205.3	102003950	chr12:102003129-102006424	29.17	31.59	0.43	21.49	90.54	0.13	21.49	90.54	0.13	21.49	90.54	0.13	0.12	0.165	0.002365365	0.03218651		
ENSMUST00000107448.8	Ankrd40	chr11	+	364.8	94339872	chr11:94339553-94341841	89.47	27.67	0.76	95.12	38.41	0.71	69.58	53.99	0.56	68.04	55.89	0.55	0.735	0.165	0.00352339	0.04393557		
ENSMUST00000118118.1	Nhlh1	chr11	+	195.6	83454266	chr11:83454266-83454266	54.01	1.6	0.77	54.01	1.6	0.77	54.01	1.6	0									

ENSMUST0000133574.7	Subt1	chr17	-	163.8	51739343	chr17:51738894-51740413	47.43	17.74	0.73	65.86	1.81	0.97	32.9	28.39	0.53	41.39	13.11	0.76	0.85	0.645	0.205	0.005824002	0.06425119			
ENSMUST0000105719.8	Zp982	chr4	+	87.2	147512665	chr4:147512345-147513486	0	1	33.94	0	0	1	33.94	0	0	28.77	16.08	0.64	26.72	4.56	0.745	0.205	0.006875977	0.06935488		
ENSMUST000014614.6	Siv1	chr10	+	269.8	67029233	chr10:24187620-67029233	36.64	0.6	0.9	24.88	0.6	0.1	24.88	0.6	0.1	21.51	10.56	0.3	21.51	0.32	0.85	0.205	0.004178824	0.04178824		
ENSMUST0000115289.1	Hlpda	chr4	+	41.6	29274889	chr4:29274650-29275186	40.6	0	3.75	0.92	30.54	4.6	0.1	44.67	19.83	1.46	0.85	0.85	0.96	0.755	0.205	0.008419588	0.08246074			
ENSMUST0000047086.9	Wdr43	chr17	+	2262.2	71657834	chr17:71657476-71658703	154.78	171.93	0.47	158.22	154.05	0.39	158.22	154.05	0.39	149.9	87.9	0.29	242.15	0.49	0.28	0.21	3.65E-08	3.06E-06		
ENSMUST0000020384.15	Nu1	chr10	+	1277.2	52437925	chr10:52436677-52440183	63.38	104.22	0.38	65.76	103.85	0.51	63.68	104.22	0.38	33.68	217.18	0.19	30.96	161.77	0.16	0.21	8.77E-06	0.000352521		
ENSMUST000001943.3	Mk1r1	chr3	+	1094.3	67602923	chr3:67602667-67604231	79.19	0.52	0.31	79.19	0.52	0.31	79.19	0.52	0.31	81.59	166.71	0.51	81.59	0.13	0.21	2.45E-05	0.000879161			
ENSMUST0000174391.7	Synrnp	chr9	+	977.8	88459966	chr9:88449731-88454295	94.52	112.7	0.46	88.24	111.97	0.44	88.24	111.97	0.44	96.34	135.37	0.25	40.86	138.52	0.23	0.45	0.21	2.57E-05	0.000868763	
ENSMUST000007035.5	Rim	chrX	+	635.6	103962427	chrX:10395713-103964043	47.49	0.98	0.48	46.76	94.79	0.48	46.76	94.79	0.48	36.74	74.9	0.98	93.93	24.28	0.71	0.21	4.08E-05	0.001248061		
ENSMUST000007253.5	Neu1	chr7	+	1086.5	34935187	chr7:34934605-34935551	35.68	57.83	0.38	42.6	50.33	0.46	51.74	49.28	0.21	54.61	69.15	0.21	54.61	0.42	0.21	0.21	0.000180028	0.004378204		
ENSMUST000000742.2	Makp1	chr3	+	312.9	139445866	chr3:139445866-139446020	62.4	0.4	0.62	62.4	0.4	0.62	62.4	0.4	0.62	62.4	0.4	0.62	62.4	0.4	0.62	0.21	0.21	0.001263717	0.001263717	
ENSMUST0000089162.4	Edem1	chr6	+	434.1	108855167	chr6:108854667-108859348	56.62	61.51	0.57	55.55	61.51	0.57	55.55	61.51	0.57	41.9	89.22	0.32	41.9	0.32	0.31	0.21	0.000980071	0.0155524		
ENSMUST0000012587.3	Klf11	chr19	+	526.3	37420797	chr19:37420259-37421859	66.98	34.13	0.66	66.98	34.13	0.66	66.98	34.13	0.66	67.52	0.4	0.4	49.84	58.59	0.46	0.64	0.43	0.21	0.001681489	0.024755027
ENSMUST000003091.3	Gna3	chr11	+	289.9	109339514	chr11:109339514-109340369	55.87	33.56	0.54	55.87	33.56	0.54	55.87	33.56	0.54	50.87	50.87	0.43	50.87	73.88	0.42	0.21	0.000370296	0.030985996		
ENSMUST0000075827.4	Ja2	chr12	+	312	112908940	chr12:112907811-112909385	52.43	23.46	0.69	60.08	47.27	0.63	44.29	39.86	0.53	42.49	60.08	0.53	42.49	0.45	0.21	0.21	0.007211454	0.074325557		
ENSMUST00000112255.7	Piga	chrX	+	307.9	164431892	chrX:164431630-164433913	48.2	13.04	0.43	48.2	13.04	0.43	48.2	13.04	0.43	40.59	14.33	0.74	40.59	23.21	0.63	0.895	0.21	0.0019849	0.00999211	
ENSMUST0000003642.8	Naa50	chr16	+	1799.3	14119711	chr16:14119643-44161174	200.98	53.02	0.79	187.84	41.1	0.82	169.05	116.15	0.59	169.05	116.15	0.59	176.94	126.07	0.59	0.59	0.21	1.20E-07	8.16E-06	
ENSMUST00000038972.15	Wip2	chr5	+	1465.5	142667088	chr5:142666890-142670588	106.05	98.74	0.52	105.14	116.65	0.47	116.65	105.14	0.28	165.47	69.02	0.28	69.02	179.56	0.28	0.495	0.21	4.62E-06	0.002008910	
ENSMUST0000174688.7	Synrnp	chr9	+	786.1	88459967	chr9:88454237-88454295	126.56	78.78	0.62	119.67	80.71	0.6	119.67	80.71	0.6	68.57	111.08	0.38	68.57	111.08	0.38	0.61	0.21	2.64E-05	0.000872996	
ENSMUST00000031492.14	Rab35	chr5	+	1139.3	115647096	chr5:115646533-115647336	42.93	65.4	0.43	42.93	65.4	0.43	42.93	65.4	0.43	47.78	28.09	0.29	47.78	119.05	0.29	0.415	0.21	0.00265388	0.00608149	
ENSMUST00000115373.1	Uba9	chr5	+	297.9	86112587	chr5:86112342-86112786	60.36	59.15	0.75	52.36	5.65	0.9	61.95	20.4	0.75	56.99	26.92	0.72	56.99	26.92	0.72	0.65	0.21	0.00033684	0.0071911	
ENSMUST0000004524.1	Spc1	chr4	+	743.2	63993294	chr4:63989649-63991769	73.71	45.98	0.63	81.43	45.98	0.63	81.43	45.98	0.63	57.61	85.82	0.44	57.61	78.45	0.44	0.535	0.215	0.000520328	0.01083348	
ENSMUST00000030257.14	Cachd1	chr4	+	595.4	101003546	chr4:101002862-101005444	91.24	46.87	0.5	93.32	55.27	0.69	93.32	55.27	0.69	55.19	96.26	0.56	55.19	96.26	0.56	0.66	0.445	0.215	0.00067377	0.012375302
ENSMUST00000023615.6	Dscr2	chr16	+	222.6	94489586	chr16:94497183-94499082	56.62	7.89	0.88	57.79	4.6	0.93	75.3	34.77	0.68	81.06	34.03	0.7	81.06	34.03	0.7	0.905	0.215	0.001388233	0.021684531	
ENSMUST000000382367	Zfp265	chr9	+	129.9	20501911	chr9:20499855-20502477	65.24	19.69	0.77	65.24	19.69	0.77	65.24	19.69	0.77	45.57	22.19	0.5	45.57	32.02	0.56	0.745	0.215	0.005120416	0.058402343	
ENSMUST0000106061.8	S100bbp	chr4	+	229.5	129150825	chr4:129148005-129151091	59.29	29	0	1	56.94	0	1	47.71	12.24	0.8	47.71	12.24	0.8	47.71	12.24	0.76	0.21	0.000119633	0.00310085	
ENSMUST0000008760.10	Nad2	chr15	+	365	9106808	chr15:91068129-9110487	99.29	66.68	0	6	93.69	47.02	0.67	60.94	80.56	0.43	58.54	57.9	0.4	63.56	0.415	0.22	0.00018919	0.004539033		
ENSMUST00000113373.1	Makp1	chr3	+	297.9	139445867	chr3:139445866-139446020	62.4	0.4	0.62	62.4	0.4	0.62	62.4	0.4	0.62	62.4	0.4	0.62	62.4	0.4	0.62	0.21	0.21	0.000679143	0.00155237	
ENSMUST0000003862.8	Zfp1	chr19	+	254.4	12768999	chr19:127676120-12770549	62.78	26.33	0.7	65.72	25.81	0.7	47.93	40.87	0.5	46.98	51.89	0.48	46.98	51.89	0.48	0.71	0.21	0.001812852	0.006424271	
ENSMUST0000004486.6	1700017R05Rk	chr9	+	119.9	57253893	chr9:57253311-57254329	59.14	5.94	0.91	59.14	5.94	0.91	59.14	5.94	0.91	59.14	5.94	0.91	59.14	5.94	0.91	0.89	0.67	0.21	0.002552361	0.024452447
ENSMUST0000003339.1	Sgsm2	chr11	+	386.4	165117437	chr11:165117437-165119236	53.87	33.4	0.62	53.87	33.4	0.62	53.87	33.4	0.62	53.87	33.4	0.62	53.87	33.4	0.62	0.21	0.21	0.000371263	0.005926467	
ENSMUST0000003887.9	Gpre5b	chr7	+	309.6	118973780	chr7:118972852-118975203	47.05	25.21	0.65	49.23	24.99	0.66	36.67	47.66	0.43	43.83	32.31	0.44	40.88	44.4	0.655	0.435	0.21	0.005958111	0.062311257	
ENSMUST00000115395.1	Rnf111	chr9	+	82.7	70428852	chr9:70425430-70427107	32.93	0	1	31.92	31	0	1	28.11	12.49	0.69	31	12.49	0.69	31	12.49	0.69	0.78	0.21	0.005875332	0.06445923
ENSMUST0000021584.1	Rnf111	chr9	+	82.7	70428852	chr9:70425430-70427107	32.93	0	1	31.92	31	0	1	28.11	12.49	0.69	31	12.49	0.69	31	12.49	0.69	0.78	0.21	0.005875332	0.06445923
ENSMUST0000009276.12	Celf1	chr2	+	3838.6	91013439	chr2:91013238-91019497	97.34	45.73	0.68	92.67	44.94	0.67	83.48	98.2	0.43	80.08	100.42	0.44	80.08	100.42	0.44	0.675	0.215	0.00455	0.001380304	
ENSMUST00000034457.8	Urb2	chr8	+	128	124047709	chr8:124047109-124048505	42.6	3.76	0.92	50.04	0	1	40.68	18.28	0.7	46.8	14.31	0.7	46.8	14.31	0.7	0.96	0.735	0.225	0.000418885	0.008674252
ENSMUST00000035024.7	Slc25a36	chr9	+	315.8	97407576	chr9:97407565-97407929	80.61	5.7	0.91	59.01	1.87	0.97	39.32	17.15	0.7	35.91	13.22	0.73	35.91	13.22	0.73	0.94	0.21	0.0005671	0.011404349	
ENSMUST0000007870.5	Spcn1	chr13	+	309.6	51149193	chr13:51148925-51152546	80.42	54.7	0.82	82.4	54.7	0.82	82.4	54.7	0.82	54.71	92.04	0.45	54.71	92.04	0.45	0.475	0.215	0.000625983	0.0111237	
ENSMUST00000049081.11	S100bbp	chr4	+	123.4	129150788	chr4:129149372-129151091	55.98	3.62	0.94	47.34	1.84	0.45	55.98	15.32	0.74	44.8	21.01	0.68	44.8	21.01	0.68	0.925	0.266	0.000209667	0.028829393	
ENSMUST0000003467.8	Zfp265	chr9	+	194.4	20501707	chr9:20499858-20500477	63.56	2.22	0.75	58.73	4.05	0.96	43.32	47.13	0.48	41.74	29.68	0.56	41.74	29.68	0.56	0.755	0.53	0.225	0.000313457	0.03999299
ENSMUST0000003959.37	Pcp1	chr12	+	252.2	107675427	chr12:107675427-107679029	52.87	35.1	0.62	52.87	35.1	0.62	52.87	35.1	0.62	52.87	35.1	0.62	52.87	35.1	0.62	0.35	0.215	0.005198327	0.004515323	
ENSMUST00000032071.12	Dusp11	chr6	+	189.1	85947548	chr6:85942268-85947776	55.93	24.11	0.67	50.57	26.61	0.63	37.03	50.26	0.42	37.17	50.26	0.42	37.17	50.26	0.42	0.68	0.455	0.225	0.00083288	0.080826756
ENSMUST00000037064.4	Slc25a37	chr14	+	142.9	69244045	chr14:69241848-69245354	37.75	29.11	0.56	39.14	30.53	0.54	39.14	30.53	0.54	23.61	44.38	0.39	23.61	44.38	0.39	0.35	0.225	0.008902446	0.08593945	
ENSMUST0000011024.17	Ins1b	chr10	+	2135.5	68822358	chr10:68822197-68822511	42.16	27.01	0.61	21.75	40.56	0.35	12.6													

ENSMUST0000087366.10	Creb1	chr1	+	140.9	64597894	chr1:64597234-64604548	34.93	6.09	0.85	34.25	6.96	0.83	18.36	13.88	0.57	17.43	18.92	0.48	0.84	0.526	0.315	0.002396021	0.03247431	
ENSMUST0000088735.11	Ubp1n1	chr3	-	1348	58177523	chr3:58176156-58178028	146.06	70.36	0.67	151.14	54.38	0.74	96.59	163.07	0.37	99.62	147.94	0.4	0.705	0.386	0.32	1.10E-11	2.01E-09	
ENSMUST0000089171.11	Phip	chr9	+	20271.1	11971092	chr9:11970865-11972191	1.82	1.92	0.78	1.92	1.92	0.78	12.43	16.4	0.39	15.4	17.76	0.67	0.96	0.665	0.32	2.54E-07	0.000269992	
ENSMUST0000102890.01	Med22	chr2	-	164.9	26909002	chr2:26909262-26909314	35.12	10.36	0.75	24.62	30.78	0.44	20.62	30.78	0.44	20.62	30.78	0.32	0.7	0.38	0.00063575	0.0198102		
ENSMUST0000085684.10	Smurf1	chr5	-	1160.1	144879123	chr5:144876502-144879456	25.51	8.37	0.75	27.29	27.09	0.47	23.09	27.09	0.47	23.09	27.09	0.47	0.785	0.465	0.32	0.00506303	0.06234232	
ENSMUST0000110677.7	Smurf1	chr5	-	110.1	144879123	chr5:144876495-144879456	25.5	8.37	0.75	27.3	5.95	0.82	24.02	27.04	0.47	23.06	26.85	0.46	0.785	0.465	0.32	0.00506303	0.06234232	
ENSMUST0000109829.7	Adaf1	chr8	+	193.8	11971092	chr8:11970865-11972191	1.82	1.92	0.78	1.92	1.92	0.78	12.43	16.4	0.39	15.4	17.76	0.67	0.96	0.426	0.32	0.0073267	0.0772423	
ENSMUST0000155581.1	170002014Hrk	chr2	+	293.6	119605004	chr2:119599588-119607502	58.88	28.03	0.68	55.34	32.84	0.63	32.23	61.53	0.34	29.83	64.3	0.32	0.655	0.325	0.32	2.55E-05	0.00084652	
ENSMUST0000049453.8	Ube3a	chr5	+	183.4	29675394	chr5:29674399-29676092	50.19	7.9	0.68	47.23	47.23	0.47	47.61	47.23	0.47	47.61	44.87	0.46	0.82	0.493	0.325	4.74E-05	0.00140339	
ENSMUST0000016589.10	Pds5b	chr5	+	118.7	150808528	chr5:150807813-150810680	35.95	8.36	0.6	38.84	22.22	0.64	18.04	43.38	0.29	18.47	43.82	0.3	0.62	0.295	0.325	0.000502699	0.00982353	
ENSMUST0000045544.4	Alx1	chr7	+	812.2	130714034	chr7:130391463-130947936	4.78	29.6	0.97	29.6	10.91	0.67	20.86	29.6	0.47	29.6	22.82	0.62	0.745	0.475	0.32	0.002269992	0.00153871	
ENSMUST000001546.15	Efr3a	chr15	+	424.7	66871405	chr15:65871153-65873816	101.81	8.39	0.92	69.71	96.26	0.69	69.71	47.77	0.59	68.09	43.82	0.59	0.92	0.59	0.32	3.46E-09	3.73E-07	
ENSMUST0000011292.7	Phf21a	chr2	+	201.6	92360990	chr2:92360169-92360993	62.22	2.3	0.93	61.9	0	1	26.78	18.23	0.6	30.06	14.82	0.67	0.965	0.635	0.33	6.36E-06	0.000270941	
ENSMUST0000073827.7	Bart1	chr1	+	88.1	71033404	chr1:71027480-71033369	32.67	2.49	0.98	31.19	0.59	0.83	18.26	18.26	0.63	18.26	18.26	0.62	0.955	0.635	0.33	0.0003760	0.00089690	
ENSMUST000005715.9	Tmem18	chr2	-	109.3	30589132	chr2:30588852-30591215	7.4	7.65	0.82	28.31	34	0.25	0.48	29.83	0.48	25.96	29.27	0.47	0.805	0.475	0.33	0.00079464	0.014082847	
ENSMUST0000029270.9	Ccna2	chr3	-	926.5	36560009	chr3:36565527-36566282	180.48	22	0.89	164.94	44.65	0.84	109.69	97.21	0.53	92.47	48.88	0.4	0.505	0.335	0.325	1.03E-12	2.82E-10	
ENSMUST0000003136.4	Sdad1	chr5	-	317.8	92286669	chr5:92284010-92286870	86.82	0	1	85.22	8.49	0.91	46.83	31.48	0.6	47.26	26.88	0.64	0.955	0.62	0.335	3.52E-08	3.00E-06	
ENSMUST0000017562.12	Arf5b	chr2	+	115.8	15075479	chr2:15076256-15082452	45.9	0	1	42.48	0	1	31.8	12.16	0.72	30.02	19.04	0.61	1	0.665	0.335	1.51E-05	0.00057105	
ENSMUST00000068970.9	Arf5b	chr2	+	115.8	15074789	chr2:15076256-15082456	45.9	0	1	42.49	0	1	31.19	12.16	0.72	30.02	19.04	0.61	1	0.665	0.335	1.51E-05	0.00057105	
ENSMUST0000109556.8	Ogfd01	chr8	+	82.1	94064658	chr8:94064179-94067921	36.32	7.23	0.83	35.28	5.31	0.87	21.09	25.8	0.52	27.85	26.35	0.4	0.85	0.515	0.335	0.000476303	0.00955688	
ENSMUST00000120875.7	Ankrb50	chr3	-	65.1	36452126	chr3:36449259-36452055	20.57	13.91	0.6	18.39	14.78	0.55	12.59	20.57	0.25	11.52	38.91	0.23	0.575	0.24	0.335	0.00269194	0.0555211	
ENSMUST0000010929.8	Trop1	chr13	-	3133.6	98849510	chr13:9883910-98844640	211.1	49.06	0.81	190.93	30.01	0.83	126.22	115.6	0.52	118.56	148.78	0.44	0.85	0.48	0.324	5.45E-16	2.07E-15	
ENSMUST00000139560.7	Ndc1	chr4	+	551.3	107414288	chr4:107414026-107416346	8.1	0.94	0.92	78.57	52.68	0.6	127.67	4.34	0.57	76.2	4.34	0.57	0.955	0.615	0.34	4.84E-12	9.55E-10	
ENSMUST0000028238.14	Rab14	chr2	-	375.8	35181735	chr2:35180205-35182447	94.31	15.9	0.86	92.93	20.93	0.82	56.71	53.17	0.52	56.88	61.69	0.48	0.84	0.5	0.34	6.09E-08	3.90E-06	
ENSMUST00000127686.7	Tgfp1	chr10	-	299.6	22705538	chr10:227104285-22710895	48.53	37.3	0.57	49.55	41.66	0.55	29.85	65.49	0.24	26.65	103.53	0.2	0.56	0.22	0.34	6.40E-07	3.76E-05	
ENSMUST0000020758.3	Ube3a	chr7	+	329.3	59305357	chr7:59304810-59307924	56.47	24.15	0.77	53.51	19.72	0.73	34.38	55.67	0.38	52.6	37.5	0.34	0.715	0.375	0.34	1.76E-05	0.00062913	
ENSMUST00000202710.3	Pds5b	chr5	+	131.4	150808523	chr5:150807813-150809865	40.4	19.93	0.62	40.13	21.06	0.31	19.38	42.17	0.31	21.54	40.83	0.325	0.345	0.34	0.00025911	0.000590428		
ENSMUST00000192833.1	Gm29b17	chr5	+	2110.4	39845582	chr7:39843013-39846341	153.88	19.24	0.89	132.92	23.75	0.85	428.85	378.26	0.53	488.37	448.19	0.52	0.87	0.21	0.345	3.16E-18	2.03E-15	
ENSMUST0000011122.8	Psm2	chr12	+	740.7	8750204	chr12:8749580-8752561	129.73	17.4	0.98	122.92	69.32	0.62	91.63	122.92	0.61	94.85	69.16	0.58	0.345	0.345	0.34	1.51E-12	3.74E-10	
ENSMUST0000070607.8	Haus6	chr4	+	78.2	86581346	chr4:86578855-86582018	31.19	13.66	0.7	32.35	16.97	0.7	20.1	32.35	0.38	21	32.35	0.37	0.358	0.345	0.000600007	0.011353242		
ENSMUST0000023325.12	Arf7p	chr6	+	132.1	136667046	chr6:136664074-136610862	35.26	26.92	0.57	33.81	24.52	0.58	17.4	63.04	0.22	23.77	17.72	0.23	0.225	0.35	0.325	3.25E-05	0.001039078	
ENSMUST000002720.12	Sap2a	chr1	+	59.1	158024780	chr1:158024780-158023692	92.51	6.87	0.95	61.99	0.59	0.85	20.47	63.04	0.22	23.77	17.72	0.23	0.225	0.35	0.325	3.25E-05	0.001039078	
ENSMUST0000027521.14	Agap1	chr1	+	64.8	89889742	chr1:89888601-89897617	16.86	14.01	0.55	18.2	16.59	0.52	8.18	33.29	0.2	6.98	33.66	0.17	0.535	0.185	0.35	0.00228956	0.031533871	
ENSMUST0000007494.5	Agap1	chr1	+	48.1	89889740	chr1:89888601-89897617	17.21	13.67	0.55	8.85	32.65	0.21	7.14	16.51	0.21	7.14	33.54	0.18	0.35	0.35	0.00228956	0.031533871		
ENSMUST0000048293.13	Wap1	chr4	+	361.3	34749342	chr4:34745625-34747983	92.54	20.02	0.82	90.48	21.98	0.8	57.12	72.92	0.44	59.07	66.95	0.47	0.81	0.455	0.355	1.28E-08	1.21E-06	
ENSMUST0000018511.14	Agp1	chr14	+	118.8	20918950	chr14:20918950-20922871	30.56	19.53	0.62	15.69	30.56	0.61	15.69	30.56	0.61	15.69	30.56	0.61	0.22	0.26	0.00281867	0.000267801		
ENSMUST00000103179.0	Mmra4	chr11	+	125.6	87615141	chr11:87614076-87616302	30.41	9.07	0.88	30.76	35.79	0.64	30.76	35.79	0.64	30.76	35.79	0.64	0.82	0.82	0.355	0.00024501	0.00564633	
ENSMUST00000030110.14	Zdhx21	chr4	-	83.7	82804245	chr4:82798738-82806461	34.44	0.61	0.98	32.35	20.15	0.7	0.63	32.35	0.18	27.81	13.91	0.57	0.955	0.24	0.355	0.000381284	0.00765811	
ENSMUST0000019838.4	Dcnw1c1	chr3	-	100.1	36986350	chr3:36985359-36986099	32.69	6.4	0.84	29.07	7.33	0.41	21.16	30.5	0.41	23.77	17.71	0.52	0.82	0.465	0.355	0.000389484	0.01124127	
ENSMUST00000109810.5	Bqalg6	chr18	+	76.1	20868030	chr18:20868409-20868468	27.53	13.7	0.66	14.97	13.34	0.66	16.18	25.79	0.34	16.18	32.47	0.33	0.305	0.305	0.00082983	0.012435479		
ENSMUST0000009598.7	Pdp2	chr8	+	95.9	104595068	chr8:104593480-104599026	26.58	4.4	0.86	27.4	4.22	0.85	17.16	23.85	0.45	25.48	28.31	0.48	0.865	0.505	0.36	0.000884273	0.015242976	
ENSMUST0000109807.8	Sec24a	chr11	-	46.6	51698873	chr11:51698294-51698524	25.88	12.33	0.67	26.85	13.99	0.66	18.65	35.11	0.32	26.85	15.72	0.29	0.36	0.001292061	0.02060528			
ENSMUST0000008481.5	Rim25	chr12	+	696	134084358	chr12:134084358-134090646	130.74	95.92	0.82	95.92	100.74	0.82	95.92	100.74	0.82	95.92	100.74	0.82	0.955	0.63	0.36	0.94E-05	0.000269992	
ENSMUST0000043881.11	Bclaf1	chr10	+	223.7	20340260	chr10:20340052-20342499	69.8	17.39	0.8	61.52	30.16	0.67	32.55	51.39	0.39	30.82	57.95	0.35	0.735	0.37	0.365	8.27E-07	4.64E-05	
ENSMUST00000088438.8	Dcaf7	chr11	+	384	106054627	chr11:106054683-106059324	52.8	14.21	0.79	52.15	14.81	0.7	52.15	14.81	0.7	52.15	14.81	0.7	0.785	0.45	0.42	0.365	1.26E-06	6.75E-05
ENSMUST0000006398.13	Tbr1x1	chr3	+	107.6	22210741	chr3:22210401-22215293	35.34	2.88	0.92	34.42	29.13	0.48	34.42	29.13	0.48	34.42	29.13	0.48	0.865	0.5	0.365	0.00146871	0.000398132	
ENSMUST0000012202.12	Foxo4	chr3	+	174.2	32933480	chr3:32933101-32933238	30.31	15.75	0.83	23.45	29.45	0.63	23.45	29.45	0.63	23.45	29.45	0.6						

Supplemental Table 1: Genes with significant changes in 3'UTR length upon KO of Sra3 and Sra7 quantified with DaParS. ΔPDU1 > 5%, false discovery rate (FDR) < 0.05

Ensembl_gene_ID	Gene_name	Chrom	Strand	fl_value	Predicted_Protosal_APA_Loci	Ctrl_1_log_exp	Ctrl_1_short_exp	Ctrl_1_PDU1	Ctrl_2_log_exp	Ctrl_2_short_exp	Ctrl_2_PDU1	KD.SRSF7_1_log_exp	KD.SRSF7_1_short_exp	KD.SRSF7_1_PDU1	KD.SRSF7_2_log_exp	KD.SRSF7_2_short_exp	KD.SRSF7_2_PDU1	Group	Ctrl_Mean_PDU1	Group_KD.SRSF7_Mean_PDU1	PDU1_Group_diff	Pvalue	Adjusted_Pvalue
ENSMUST00001959504	Ubpap2	chr2	+	92.2	90006388	46.18	32.31	0.59	42.9	38.51	0.54	58.89	10.6	0.55	72.13	2.54	0.06	0.585	0.905	-0.34	8.9e-07	0.003043023	
ENSMUST00001948755	lpgk2	chr9	+	75.5	108794899	34.19	12.47	0.7	35.06	14.3	0.71	55.81	1	1	57.98	1	0.1	0.705	1	-0.295	6.07E-06	0.001547291	
ENSMUST00001942699	brd3	chr2	+	171.7	27448010	62.9	46.68	0.74	52.71	48.32	0.76	84.72	8.15	0.91	87.97	2.6	0.97	0.65	0.94	-0.29	2.57E-07	0.001146625	
ENSMUST00001900778	Catp3a	chr17	+	249.9	78922017	221.4	26.36	0.56	27.4	26.55	0.44	26.55	0.44	0.56	26.55	0.44	0.56	0.83	0.245	-0.29	0.000547281	0.000547281	
ENSMUST00000324094	Ino80b	chr6	+	331.9	83122163	60.79	32.82	0.65	65.21	20.01	0.77	75.83	1.82	0.98	83.39	1	1	0.71	0.989	-0.28	9.11E-09	0.051E-06	
ENSMUST00000584888	Tmed3	chr9	+	158.8	89699427	41.3	11.59	0.68	36.68	53.49	1	47.07	1.63	0.97	53.49	1.63	0.97	0.75	0.985	-0.25	4.55E-05	0.00420143	
ENSMUST00000211214	Trappc14	chr7	+	219.5	19518047	34.05	16.94	0.67	55.13	12.18	0.82	45.04	0.1	1	45.06	0.1	1	0.745	1	-0.245	0.000211363	0.020594407	
ENSMUST00001403745	Snapk7	chr11	+	249.9	59407384	50.01	36.61	0.66	36.61	72.72	0.69	72.72	19.99	0.77	72.72	19.99	0.77	0.83	0.245	0.00048725	0.00048725		
ENSMUST00000780110	Alj13	chrX	+	118.8	14432417	33.06	6.42	0.68	39.95	3.12	0.43	43.83	0.1	0.965	43.83	0.1	0.965	0.4	0.965	-0.245	0.00078722	0.046038532	
ENSMUST00001342112	Aox1t	chr7	+	192.2	26195167	39.42	52.58	0.48	52.71	57.32	0.48	52.71	57.32	0.48	52.71	57.32	0.48	0.81	0.81	-0.235	0.001233931	0.069092525	
ENSMUST00001403745	Gm20499	chr5	+	179.5	114809926	38.62	18.74	0.66	18.74	36.62	0.94	53.37	1	1	53.37	1	1	0.77	0.77	-0.231	0.00152454	0.01190760076	
ENSMUST00000226511	Ramp9	chr13	+	68.7	43403419	38.01	16.9	0.7	40.08	4.65	0.91	40.08	33.64	0.1	0.73	40.08	0.1	0.955	0.955	-0.225	0.00198416	0.091676162	
ENSMUST00001988484	Mll1t1	chr3	+	119.7	95220229	35.25	14.09	0.71	37.6	5.03	0.6	36.46	0	1	36.46	0	1	0.78	1	-0.22	0.00189111	0.068695097	
ENSMUST00002048991	Gm43980	chr6	+	490.25839	4925839	49.56	15.71	0.76	45.83	15.14	0.75	40.65	0	0.93	40.65	0	1	0.755	0.965	-0.21	0.002148951	0.069885452	
ENSMUST00000222441	Mta10p1	chr12	+	88.9	45148249	40.06	19.54	0.67	57.36	4.11	0.93	58.6	0	1	58.6	0	1	0.8	0.8	-0.2	0.000584997	0.04071429	
ENSMUST00000253509	Dcp2	chr18	+	188.8	44417767	43.66	18.57	0.7	41.03	6.88	0.86	37.55	0	1	39.04	1.43	0.96	0.78	0.98	-0.2	0.001191525	0.065226577	
ENSMUST00001624297	Pttg1p	chr10	+	251.7	77597229	117.42	8.24	0.93	88.86	11.42	0.98	11.42	0	1	114.72	0	1	0.805	1	-0.195	3.63E-08	1.95E-05	
ENSMUST00001001019	Rab10	chr12	+	312.2	3249501	74.37	85.06	0.53	76.35	64.94	0.54	89.03	34.86	0.72	90	32.93	0.73	0.535	0.725	-0.19	0.001377227	0.072787888	
ENSMUST00000077733	Klhl21	chr4	+	142.5	152013674	40.66	12.91	0.76	47.54	8.23	0.85	43.96	1	1	42.75	0.47	1	0.805	0.905	-0.19	0.00205271	0.093793729	
ENSMUST00001655998	Cyfp2	chr11	+	212	46196154	53.01	14.75	0.78	58.65	62.85	0.57	59.1	0.91	0.91	66.56	5.92	0.87	0.7	0.89	-0.19	0.002221236	0.098376985	
ENSMUST00001082108	Tc14	chr3	+	191.7	33809577	53.37	13.02	0.8	47.64	10.17	0.82	43.74	0	1	46.78	0	1	0.81	1	-0.19	0.0022405	0.098416731	
ENSMUST00001012489	Hmnpab	chr11	+	1737871.7	151601326-151601890	748.41	175.07	0.81	736.26	159.86	0.82	756.79	0	1	733.52	0	1	0.815	1	-0.185	3.68E-47	1.31E-43	
ENSMUST00001932929	Tmem160	chr7	+	3063.2	16455362	139.27	50.43	0.7	162.93	58.39	0.77	162.93	12.27	0.94	162.93	26.02	0.87	0.72	0.905	-0.185	0.0002445	0.0002445	
ENSMUST00001125073	Fam98a	chr7	+	431.9	75538383	62.41	20.89	0.75	62.04	61.98	0.92	61.98	0.92	0.92	67.67	0.86	0.97	0.955	0.955	-0.185	0.00182489	0.068695097	
ENSMUST00000822436	Spine1	chr18	+	227	67489970	53.34	11.02	0.83	52.46	16.62	0.79	55.57	2.13	1.26	55.57	2.13	1.26	0.98	0.77	-0.18	0.001470984	0.074018833	
ENSMUST00000822436	Rab23	chr4	+	129.65	482608408-807778	67.8	10.45	0.77	108.23	129.65	0.77	108.23	11.87	0.92	108.23	11.87	0.92	0.95	0.95	-0.18	0.00112188	0.00112188	
ENSMUST00000504716	Slc35a4	chr8	+	429.8	36682075	53.56	16.26	0.77	59.54	10.45	0.85	62.48	1.8	0.97	60.49	0.68	0.99	0.81	0.98	-0.17	0.001288228	0.070384574	
ENSMUST00001548643	Phf8	chrX	+	150.4	52954287	51.94	12.49	0.81	46.41	9.07	0.84	50.91	0.43	0.99	54.43	0.43	0.99	0.825	0.995	-0.17	0.001525593	0.070699842	
ENSMUST00000339327	Shp1	chr10	+	1007.7	23446469	87.88	32.52	0.73	92.37	12.13	0.88	95.5	1.07	0.95	108.45	1.07	0.99	0.805	0.97	-0.165	3.31E-05	0.009917017	
ENSMUST00001056139	Nade	chr4	+	349.4	155680326-155691001	81.99	8.26	0.81	89.89	6.99	0.89	89.89	6.99	0.99	89.89	6.99	0.99	0.92	0.92	-0.16	0.003076565	0.003076565	
ENSMUST00000884535	Kctd1p2	chr10	+	2528.1	80642023	263.71	74.48	0.95	326.14	56.73	0.94	326.14	16.34	0.97	326.14	16.34	0.97	0.88	0.915	-0.16	2.38E-08	1.42E-05	
ENSMUST00001100497	Eif4em1f	chr11	+	275.1	3244337	98.07	49.59	0.66	104.85	43.4	0.71	115.66	27.06	0.91	129.53	1.8	0.88	0.885	0.885	-0.16	0.001403591	0.072787888	
ENSMUST00001100497	Strm2	chr11	+	345.9	698525869-69853297	105.29	10.68	0.81	105.29	10.68	0.81	105.29	10.68	0.81	105.29	10.68	0.81	0.95	0.95	-0.15	0.00173017305	0.00173017305	
ENSMUST00000290028	Strm2	chr11	+	314.4	8556047	119.43	14.82	0.45	115.88	18.46	0.52	115.88	18.46	0.59	168.75	123.77	0.59	0.59	0.59	-0.15	0.000348674	0.03017288	
ENSMUST00001142633	Fzd7	chr1	+	588.4	59482625	96.69	13.45	0.89	94.71	13.45	0.89	94.71	13.45	0.89	94.71	13.45	0.89	0.81	0.81	-0.14	0.00106077	0.01182206	
ENSMUST00001282846	Tuba4a	chr1	+	330.3	75219966	82.12	22.32	0.79	89.74	16.46	0.84	92.57	9.27	0.91	91.94	9.27	0.91	0.815	0.955	-0.14	0.001713683	0.08436436	
ENSMUST00001142633	Rab21	chr12	+	449.63	74971988	101.72	19.71	0.82	101.72	19.71	0.82	101.72	19.71	0.82	101.72	19.71	0.82	0.815	0.815	-0.14	0.001713683	0.08436436	
ENSMUST0000178904	Cdn12	chr5	+	514.6	5507704	79.21	23.66	0.77	80.87	7.88	0.91	82.11	3.96	0.95	89.98	0	1	0.84	0.975	-0.138	0.000363607	0.029179611	
ENSMUST00000476899	Fign1	chr11	+	718.1	11801114	96.55	30.84	0.98	119.58	8.25	1.01	119.58	8.25	1	121.67	0	1	0.87	1	-0.13	1.91E-05	0.003576794	
ENSMUST00000322648	Gabarrap1	chr6	+	2930.4	129941913	68.88	42.26	0.77	180.13	30.76	0.78	180.13	30.76	0.93	171.36	13.52	0.93	0.805	0.93	-0.125	0.00033872	0.027298182	
ENSMUST00000322648	Impad1	chr4	+	235.9	42921689	19.48	13.79	0.81	143.69	14.88	0.94	143.69	14.88	0.94	143.69	14.88	0.94	0.945	0.945	-0.122	0.000202988	0.002414509	
ENSMUST00000267602	Tmem47	chrX	+	165.94	81094903	225.19	63.28	0.76	220.64	201.27	0.75	220.64	29.44	0.87	210.65	26.37	0.89	0.88	0.88	-0.12	0.000278302	0.024770835	
ENSMUST00001050409	Ctrl8a1	chr10	+	2291.3	77053206	67.17	70.59	0.79	212.94	95.27	0.69	249.11	24.78	0.91	244.1	55.49	0.81	0.81	0.81	-0.12	0.000395716	0.029179611	
ENSMUST00001050409	Phf8	chrX	+	217.3	1095504	21.37	13.07	0.89	154.17	19.19	0.97	154.17	19.19	0.97	154.17	19.19	0.97	0.985	0.985	-0.115	0.000202988	0.000202988	
ENSMUST00000647878	Spca3	chr8	+	1036.2	54525194	121.93	18.29	0.91	118.81	12.33	1.03	122.33	0.1	1	126.56	0	1	0.885	1.05	-0.115	0.000645903	0.000645903	
ENSMUST00000323244	Lrp6	chr6	+	980.8	134450267	105.44																	

ENSMUST0000011836.3	Smg7	chr1	-	257.1	152839184	chr1:152838870-152839385	75.05	0	1	77.98	0	1	57.26	11.71	0.83	54.43	12.35	0.82	1	0.825	0.175	6.31E-05	0.007778104
ENSMUST00000165134.1	Sec23a	chr12	-	513.3	58959811	chr12:58959704-58960086	72.14	0	1	67.69	2.69	0.96	45.83	10.14	0.82	56.14	15.6	0.78	0.98	0.8	0.18	0.000642529	0.043312145
ENSMUST00000117786.7	CanK1e	chr15	-	473.1	79416229	chr15:79417856-79419187	105.59	0	1	98.27	0.71	0.99	94.8	17.07	0.83	77.55	20.24	0.79	0.995	0.81	0.185	1.35E-06	0.000474331
ENSMUST00000108876.8	Ythdf1	chr2	-	632.9	180905459	chr2:180905370-180905668	125.32	1.01	0.99	107.58	4	0.96	100.58	26.63	0.79	106.21	30.39	0.78	0.975	0.785	0.19	7.06E-07	0.000280241
ENSMUST00000034543.4	Rpusd4	chr9	+	216.7	35275621	chr9:35275064-35275965	51.34	0	1	56.36	0	1	50.63	14.79	0.77	44.1	8.38	0.84	1	0.805	0.195	0.000642203	0.043312145
ENSMUST00000167943.7	Nup107	chr10	-	1807.2	117750766	chr10:117750624-117750967	87.87	30.63	0.74	77.62	31.07	0.71	57.52	87.87	0.48	61.5	51.16	0.58	0.725	0.53	0.195	0.001836144	0.086695007
ENSMUST00000114028.8	Ncor2	chr5	-	523.9	125018103	chr5:125017153-125018348	71.18	0.24	1	71.05	2.22	0.97	86.78	27.8	0.76	84.51	19.81	0.81	0.985	0.785	0.2	3.60E-05	0.0035167
ENSMUST00000109729.8	Ccm2	chr11	+	243.4	6596539	chr11:6596081-6596734	48.78	11.48	0.81	71.51	0	1	35.86	26.28	0.58	50.37	10.32	0.83	0.905	0.705	0.2	0.002235903	0.098416731
ENSMUST00000103029.9	Rhbd2	chr11	-	88.5	116599232	chr11:116598165-116599438	37.06	0	1	39.57	1.26	0.97	43.88	18.46	0.7	44.75	7.41	0.86	0.985	0.78	0.205	0.001316064	0.070527871
ENSMUST00000005256.13	Noor2	chr5	-	211.4	125018090	chr5:125017835-125018348	62.85	8.96	0.87	60.95	12.81	0.83	72.82	40.6	0.64	67.25	36.52	0.65	0.85	0.205	0.001788731	0.086260694	
ENSMUST00000108617.9	Neud4	chr11	+	227.3	69913397	chr11:69913127-69913315	104.73	7.96	0.94	86.31	27.21	0.74	86.31	40.46	0.68	65.15	47.97	0.58	0.84	0.21	0.000302943	0.02690318	
ENSMUST00000113373.1	Uba6	chr5	-	214.3	86112587	chr5:86112342-86112788	58.71	0	1	50.93	5.5	0.9	37.87	13.03	0.74	43.62	16.05	0.73	0.95	0.735	0.215	0.00092005	0.050589911
ENSMUST00000108222.8	Mma22l	chr4	+	403.3	24802775	chr4:24802574-24802950	50.51	10.15	0.83	67.99	0.05	1	50.8	29.98	0.63	52.03	16.38	0.76	0.915	0.695	0.22	0.000652386	0.04343028
ENSMUST00000029846.4	Cyfl1	chr3	-	619.7	145647254	chr3:145646976-145647968	75.33	7.17	0.91	90.3	1.04	0.99	69.4	32.13	0.68	69.38	20.46	0.77	0.95	0.725	0.225	3.55E-05	0.0035167
ENSMUST00000142351.8	Vegfa	chr17	-	1406.5	46018678	chr17:46018543-46018879	122.39	18.28	0.87	140.98	18.34	0.88	118.96	52.82	0.69	104.36	69.11	0.6	0.875	0.645	0.23	1.87E-06	0.000627968
ENSMUST00000163545.7	Rbm26	chr14	-	52.2	105115085	chr14:105114965-105115286	43.33	0	1	36.28	0.33	0.99	25.44	10.77	0.7	32.23	7.16	0.76	0.995	0.235	0.001793625	0.086260594	
ENSMUST00000111292.7	Phf21a	chr2	+	257	92360690	chr2:92360169-92360893	60.52	4.21	0.93	60.2	0	1	47.27	10.28	0.82	32.34	19.21	0.63	0.965	0.24	0.00034857	0.028518876	
ENSMUST00000101085.8	Mapk7	chr11	-	98.9	61489069	chr11:61488900-61489270	47.34	5.16	0.9	53.21	0	1	42.83	19.89	0.68	45.99	17.13	0.73	0.95	0.705	0.245	0.000374348	0.029501927
ENSMUST00000199794.1	Gm43079	chr3	+	88.3	36091175	chr3:36090922-36091446	49.11	0	1	48.9	7.57	0.87	42.01	19.69	0.68	36.86	15.56	0.7	0.935	0.69	0.245	0.001072626	0.06307655
ENSMUST00000098032.10	Fam57b	chr7	+	68.7	126829468	chr7:126829212-126830219	33.59	0	1	34.47	1.53	0.96	36.57	14.61	0.71	36.01	12.05	0.75	0.98	0.25	0.000548995	0.03896194	
ENSMUST000000221892.1	Timm9	chr12	-	144.1	71123401	chr12:71123221-71123602	65.34	0.79	0.68	62.73	2.86	0.96	63.14	30.14	0.68	53.76	43.28	0.55	0.875	0.26	0.000425623	0.0324146	
ENSMUST0000012232.7	Furin	chr7	-	161.4	80389854	chr7:80389194-803891296	37.94	1.2	0.97	40.49	0.19	1	34.88	16.43	0.68	35.8	11.72	0.75	0.985	0.27	0.000189206	0.017271954	
ENSMUST00000059270.9	Heat1	chr13	+	847	12438790	chr13:12438589-12438893	69.1	0.31	1	88.28	0	1	56.05	37.35	0.6	68.74	13.81	0.83	1	0.715	0.285	1.73E-08	1.09E-05
ENSMUST00000117468.7	Cep97	chr16	-	76.1	55905650	chr16:55904978-55905869	30.65	0	1	26.44	0	1	26.44	11.97	0.69	30.82	11.36	0.73	1	0.71	0.29	0.000704959	0.046036832
ENSMUST00000118500.7	Cep97	chr16	-	75.4	55905649	chr16:55904951-55905869	30.38	0	1	25.97	0	1	25.97	12.44	0.68	30.74	11.4	0.73	1	0.705	0.295	0.000813704	0.051001657
ENSMUST00000216686.1	Trappcb6	chr12	-	108.8	59043457	chr12:59043333-59043676	67.31	0	1	69.74	15.21	0.82	44.36	60.17	0.42	57.04	41.01	0.58	0.805	0.5	0.305	1.35E-05	0.002839485
ENSMUST00000115365.2	Tmem243	chr5	+	102.8	9118655	chr5:9118454-9118801	41.55	4.56	0.9	47.4	2.94	0.94	25.32	22.43	0.53	26.78	20.92	0.56	0.92	0.545	0.375	3.01E-05	0.004966507
ENSMUST00000198935.1	Tmem243	chr5	+	102.8	9118655	chr5:9118454-9118801	41.55	4.56	0.9	47.4	2.94	0.94	25.32	22.43	0.53	26.78	20.92	0.56	0.92	0.545	0.375	3.01E-05	0.004966507

Supplemental Table 2: Genes with significant changes in 3'UTR length upon KD of *Srsf3* quantified with MISO. Bayes factor (BF) > 5.

MISO_Event_name	Sample1_posterior_mean	Sample1_ci_low	Sample1_ci_high	Sample2_posterior_mean	Sample2_ci_low	Sample2_ci_high	Diff	Bayes_factor	Chrom	Strand	Ensembl_gene_id	Gene_name	Description
chr1:12728918:127290570-@chr1:127289486-127289817-	0.45	0.42	0.48	0.38	0.36	0.41	0.07	9.03	chr1	-	ENSMUSG00000026341	Actr3	ARF3 protein-related protein 3 [Source:MGI Symbol;Acc:MG1:1921367]
chr1:13556297:13556402-@chr1:13554869-13555296-	0.47	0.42	0.99	0.55	0.47	0.64	0.32	45.8	chr1	-	ENSMUSG00000025935	Tram1	translocating chain-associated membrane protein 1 [Source:MGI Symbol;Acc:MG1:1919515]
chr1:14032357:14032376-@chr1:14032357-14032359-	0.86	0.85	0.87	0.71	0.65	0.78	0.16	1.00E+12	chr1	+	ENSMUSG00000026566	Nsk1	Nucleolar kinase 7 [Source:MGI Symbol;Acc:MG1:1906045]
chr1:141390327:141390466-@chr1:141390467-141390665+	0.65	0.53	0.79	0.41	0.34	0.48	0.25	46.29	chr1	+	ENSMUSG00000033952	Aspm	abnormal spindle microtubule assembly [Source:MGI Symbol;Acc:MG1:1334448]
chr1:160175851:160176327-@chr1:160175400-160175850-	0.66	0.46	0.67	0.34	0.28	0.46	0.23	5.57	chr1	-	ENSMUSG00000004031	Brip2	bone morphogenic protein/retnoic acid inducible neural-specific 2 [Source:MGI Symbol;Acc:MG1:2443333]
chr1:162133292:162133666-@chr1:162133054-162133291-	0.74	0.64	0.75	0.41	0.37	0.42	0.07	8.82	chr1	-	ENSMUSG00000014226	Cacybp	calyculin binding protein [Source:MGI Symbol;Acc:MG1:1270839]
chr1:166367389:166368405-@chr1:166367241-166367388-	0.47	0.49	0.59	0.63	0.59	0.67	0.11	18.62	chr1	-	ENSMUSG00000026576	Atp1b1	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide [Source:MGI Symbol;Acc:MG1:88108]
chr1:167145713:167145869-@chr1:167145052-167145712-	0.91	0.79	0.99	0.66	0.57	0.78	0.25	18.13	chr1	-	ENSMUSG00000040863	Tipr1	TIP41, TOR signalling pathway regulator-like (S. cerevisiae) [Source:MGI Symbol;Acc:MG1:1915087]
chr1:167523367:167523762-@chr1:167523367-167523762-	0.92	0.77	0.91	0.71	0.73	0.81	0.15	57283.04	chr1	-	ENSMUSG00000026566	Madr1	myelin protein zero-like 1 [Source:MGI Symbol;Acc:MG1:1915731]
chr1:179693662:179694374-@chr1:179693635-179693661-	0.65	0.6	0.71	0.58	0.49	0.58	0.11	18.86	chr1	-	ENSMUSG00000015981	Adcs	adenylsuccinate synthetase, non muscle [Source:MGI Symbol;Acc:MG1:87948]
chr1:184061586:184061936-@chr1:184061937-184062519+	0.26	0.26	0.31	0.16	0.16	0.2	0.11	1.00E+12	chr1	+	ENSMUSG00000026511	Srp9	signal recognition particle 9 [Source:MGI Symbol;Acc:MG1:1350930]
chr1:184206526:184206876-@chr1:184206093-184206525-	0.62	0.6	0.67	0.37	0.56	0.61	0.09	87879.94	chr1	-	ENSMUSG00000038633	Degs1	delta(4)-desaturase, sphingolipid 1 [Source:MGI Symbol;Acc:MG1:1097711]
chr1:193733634:193733984-@chr1:193733985-193737067+	0.81	0.66	0.97	0.3	0.26	0.36	0.51	1.00E+12	chr1	+	ENSMUSG00000037434	Slc30a1	solute carrier family 30 (zinc transporter), member 1 [Source:MGI Symbol;Acc:MG1:1345281]
chr1:24819581:24819877-@chr1:24819878-24821879+	0.2	0.17	0.23	0.1	0.08	0.11	0.1	1.00E+12	chr1	+	ENSMUSG00000037325	Lmbr1d	LMBR1 domain containing 1 [Source:MGI Symbol;Acc:MG1:1915671]
chr1:36582075:36584060-@chr1:36584061-36585081+	0.12	0.11	0.14	0.17	0.15	0.2	-0.05	10.39	chr1	+	ENSMUSG00000001138	Cnm3	cyclin M3 [Source:MGI Symbol;Acc:MG1:2151055]
chr1:36585982:36589234-@chr1:36589014-36589081-	0.52	0.4	0.65	0.32	0.25	0.4	0.2	8.19	chr1	-	ENSMUSG000000179610	Ankr39	ankyrin repeat domain 39 [Source:MGI Symbol;Acc:MG1:1914816]
chr1:44059038:44059187-@chr1:44059188-44059845+	0.69	0.57	0.83	0.48	0.41	0.56	0.21	13.64	chr1	+	ENSMUSG00000041763	Tpp2	tripeptide peptidase 4 [Source:MGI Symbol;Acc:MG1:102724]
chr1:58461910:58462325-@chr1:58462326-58463393+	0.86	0.82	0.91	0.69	0.66	0.72	0.17	1.00E+12	chr1	+	ENSMUSG00000051223	Bzw1	basic leucine zipper and W2 domains 1 [Source:MGI Symbol;Acc:MG1:1914132]
chr1:74442158:74443568-@chr1:74443569-74443852+	0.56	0.56	0.61	0.69	0.72	0.91	-0.3	1.00E+12	chr1	+	ENSMUSG00000026176	Ctsp1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 [Source:MGI Symbol;Acc:MG1:2654470]
chr1:88247069:88247193-@chr1:88246225-88247068-	0.07	0.03	0.07	0.05	0.05	0.06	0.02	1.00E+12	chr1	-	ENSMUSG00000026234	Ncl	nucleolin [Source:MGI Symbol;Acc:MG1:97286]
chr1:90596770:90597659-@chr1:90594798-90596769-	0.58	0.57	0.58	0.41	0.39	0.43	0.15	1.00E+12	chr1	-	ENSMUSG00000049866	Ar44c	ADP-ribosylation factor-like 4C [Source:MGI Symbol;Acc:MG1:2445172]
chr1:91785469:91786573-@chr1:91786574-91791855+	0.66	0.61	0.71	0.24	0.22	0.26	0.42	1.00E+12	chr1	-	ENSMUSG00000055013	Agpp1	ARF-GAP with GTPase domain, ankyrin repeat and PH domain 1 [Source:MGI Symbol;Acc:MG1:2653690]
chr1:95261643:95261842-@chr1:95261843-95261925+	0.26	0.23	0.3	0.16	0.15	0.15	0.13	8503378.99	chr1	+	ENSMUSG00000026275	Hpp1b	protein phosphatase 1, regulatory subunit 7 [Source:MGI Symbol;Acc:MG1:1913635]
chr1:95304337:95304748-@chr1:95302515-95304336-	0.72	0.69	0.76	0.6	0.57	0.68	0.14	12.270566.96	chr1	+	ENSMUSG00000034088	Hdlbp	high density lipoprotein (HDL) binding protein [Source:MGI Symbol;Acc:MG1:1961326]
chr10:110933131:110933938-@chr10:110933939-110935206+	0.44	0.44	0.45	0.39	0.38	0.4	0.05	1.00E+12	chr10	+	ENSMUSG00000058799	Nap11	nucleosome assembly protein 1-like 1 [Source:MGI Symbol;Acc:MG1:1855693]
chr10:116343828:116344090-@chr10:116342835-116343827-	0.11	0.09	0.13	0.06	0.06	0.06	0.06	1.00E+12	chr10	+	ENSMUSG00000064181	Rab3ip	RAB3A interacting protein [Source:MGI Symbol;Acc:MG1:105933]
chr10:122550296:122550559-@chr10:122549783-122550297-	0.36	0.36	0.4	0.24	0.12	0.16	0.22	1.00E+12	chr10	+	ENSMUSG000000020124	Usp15	ubiquitin specific peptidase 15 [Source:MGI Symbol;Acc:MG1:101857]
chr10:20059863:20060070-@chr10:20060071-200623021+	0.77	0.69	0.89	0.49	0.37	0.42	0.4	1.00E+12	chr10	+	ENSMUSG00000037608	Bclaf1	BCL2-associated transcription factor 1 [Source:MGI Symbol;Acc:MG1:1917580]
chr10:224251781:224252620-@chr10:224252620-22425177-	0.47	0.47	0.47	0.47	0.47	0.47	0.47	1.00E+12	chr10	+	ENSMUSG00000013394	Tpsti1	TATA box binding protein-like 1 [Source:MGI Symbol;Acc:MG1:1339946]
chr10:23907526:23908090-@chr10:23908091-23908767+	0.47	0.43	0.52	0.27	0.24	0.3	0.2	1.00E+12	chr10	+	ENSMUSG00000019998	Stx7	syntaxin 7 [Source:MGI Symbol;Acc:MG1:1858210]
chr10:40199609:40201907-@chr10:40201908-40203624+	0.92	0.83	0.92	0.59	0.52	0.66	0.33	1.00E+12	chr10	+	ENSMUSG00000038481	Cdk19	cyclin-dependent kinase 19 [Source:MGI Symbol;Acc:MG1:1925584]
chr10:43302571:43303284-@chr10:43303285-43304071+	0.88	0.84	0.91	0.75	0.75	0.83	0.09	10.99	chr10	+	ENSMUSG00000047139	Cd24a	CD24a antigen [Source:MGI Symbol;Acc:MG1:88323]
chr10:44082858:44083445-@chr10:44083446-44084102+	0.68	0.59	0.77	0.4	0.35	0.46	0.48	1.00E+12	chr10	+	ENSMUSG00000038160	Atg5	autophagy related 5 [Source:MGI Symbol;Acc:MG1:1277186]
chr10:62044681:62045096-@chr10:62042999-62044860-	0.61	0.58	0.64	0.4	0.38	0.42	0.21	1.00E+12	chr10	-	ENSMUSG00000020075	Ddx21	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 [Source:MGI Symbol;Acc:MG1:1860494]
chr1:70621623:70621693-@chr1:70621623-70021622-	0.99	0.98	0.94	0.74	0.28	0.98	0.44	34.39	chr10	+	ENSMUSG00000037747	Phyhp1	phytyl-CoA hydroxylase interacting protein-like [Source:MGI Symbol;Acc:MG1:1918161]
chr1:1100182765:100182848-@chr1:1100182849-100183049+	0.36	0.35	0.38	0.28	0.3	0.35	0.08	1.00E+12	chr1	+	ENSMUSG00000044629	Ert1	eukaryotic translation initiation factor 1 [Source:MGI Symbol;Acc:MG1:105129]
chr1:110601935:106019986-@chr1:110601576-106019352-	0.07	0.07	0.08	0.09	0.08	0.09	-0.02	77.68	chr11	-	ENSMUSG00000040699	Limd2	LIM domain containing 2 [Source:MGI Symbol;Acc:MG1:1915053]
chr1:1106642858:106643162-@chr1:110664167-106642857-	0.46	0.44	0.48	0.26	0.25	0.27	0.2	1.00E+12	chr11	-	ENSMUSG00000020719	Ddx5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5 [Source:MGI Symbol;Acc:MG1:105037]
chr1:115359343:115359463-@chr1:115358665-115359342-	0.63	0.58	0.7	0.43	0.4	0.46	0.2	23919098.918	chr11	-	ENSMUSG00000020737	Jpt1	Jupiter microtubule associated homology 1 [Source:MGI Symbol;Acc:MG1:1963631]
chr1:115468353:115468564-@chr1:115468657-115468938+	0.23	0.2	0.26	0.15	0.14	0.17	0.08	39.12	chr11	+	ENSMUSG00000046756	Mrp7	mitochondrial ribosomal protein S7 [Source:MGI Symbol;Acc:MG1:1354367]
chr1:115506736:115507081-@chr1:115505357-115506735-	0.76	0.7	0.81	0.47	0.44	0.5	0.29	1.00E+12	chr11	-	ENSMUSG00000059923	Grb2	growth factor receptor bound protein 2 [Source:MGI Symbol;Acc:MG1:98505]
chr1:116978567:16978598-@chr1:116978599-16979375+	0.87	0.72	0.81	0.5	0.46	0.4	0.4	870.9	chr11	+	ENSMUSG00000044629	Cnmp1	cardinaloid receptor interacting protein 1 [Source:MGI Symbol;Acc:MG1:1917505]
chr1:117166698:117167238-@chr1:117167238-117166866-	0.04	0.04	0.05	0.02	0.02	0.03	0.03	4.33082E+11	chr11	+	ENSMUSG00000000581	C1d	C1D nuclear receptor co-repressor [Source:MGI Symbol;Acc:MG1:1927554]
chr1:20124848:20125460-@chr1:20125461-20126859+	0.44	0.43	0.47	0.24	0.23	0.25	0.2	1.00E+12	chr11	+	ENSMUSG00000020149	Rab1a	RAB1A, member RAS oncogene family [Source:MGI Symbol;Acc:MG1:97842]
chr1:23631359:23632538-@chr1:23632539-23632876+	0.79	0.77	0.8	0.52	0.45	0.6	0.27	2118476906	chr11	+	ENSMUSG00000020280	Pus10	pseudouridylate synthase 10 [Source:MGI Symbol;Acc:MG1:1921717]
chr1:31260048:31260142-@chr1:31259440-31260047-	0.48	0.42	0.54	0.24	0.29	0.4	0.14	19.12	chr11	-	ENSMUSG00000020303	Stc2	stanniocalcin 2 [Source:MGI Symbol;Acc:MG1:1316731]
chr1:51789413:51789771-@chr1:51789772-51790834+	0.6	0.56	0.64	0.4	0.46	0.46	0.12	32622160.49	chr11	+	ENSMUSG00000020392	Cdk2n2ip1	CDKN2A interacting protein N-terminal like [Source:MGI Symbol;Acc:MG1:1261797]
chr1:51933476:51936116-@chr1:51936117-519332041+	0.49	0.42	0.49	0.35	0.32	0.41	0.07	14273.15	chr11	+	ENSMUSG00000020349	Ppp2ca	protein phosphatase 2 (formy 2A), catalytic subunit, alpha isoform [Source:MGI Symbol;Acc:MG1:1321159]
chr1:57931090:57931949-@chr1:57931350-57932096+	0.49	0.46	0.53	0.23	0.23	0.23	0.19	1.00E+12	chr11	+	ENSMUSG00000020515	Cnrb8	CCR4-NOT transcription complex, subunit 8 [Source:MGI Symbol;Acc:MG1:1916375]
chr1:6170715:61716522-@chr1:61707374-61707141-	0.23	0.2	0.25	0.15	0.13	0.16	0.08	958728604.8	chr11	-	ENSMUSG00000004394	Tmem24	transmembrane p24 trafficking protein 4 [Source:MGI Symbol;Acc:MG1:1915070]
chr1:62127645:62128752-@chr1:62128753-62129928+	0.98	0.92	0.91	0.73	0.65	0.81	0.25	165493345	chr11	+	ENSMUSG00000042298	Ttc19	tetratricopeptide repeat domain 19 [Source:MGI Symbol;Acc:MG1:1920045]
chr1:7069718:7074310-@chr1:7074311-7078509+	0.03	0.03	0.03	0.03	0.08	0.09	-0.06	1.00E+12	chr11	+	ENSMUSG00000020431	Adcy1	adenylate cyclase 1 [Source:MGI Symbol;Acc:MG1:99677]
chr1:70823426:70823821-@chr1:70820492-70823425-	0.23	0.22	0.25	0.08	0.07	0.08	0.15	2.00E+12	chr11	-	ENSMUSG00000018442	Darf2	Dar1-like domain family, member 2 [Source:MGI Symbol;Acc:MG1:2151483]
chr1:75578174:75579081-@chr1:75579092-75579341+	0.1	0.1	0.11	0.08	0.08	0.09	0.02	144789E+11	chr11	+	ENSMUSG00000020849	Ywhae	tyrosine 3-monooxygenase/tyrosylphosphatase 3-monooxygenase activation protein, epsilon polypeptide [Source:MGI Symbol;Acc:MG1:894689]
chr1:76227624:76228074-@chr1:76228075-76229177+	0.14	0.13	0.16	0.19	0.17	0.21	-0.05	16.72	chr11	-	ENSMUSG00000020843	Timm22	translocase of inner mitochondrial membrane 22 [Source:MGI Symbol;Acc:MG1:1929742]
chr1:76543198:76543609-@chr1:7654014-76543197-	0.92	0.83	0.99	0.52	0.48	0.58	0.4	1.00E					

chr14:55474386-55475528.-@chr14:55474262-55474385-	0.03	0.02	0.05	0.09	0.06	0.12	-0.06	8.44	chr14	-	ENSMUSG00000051756	Homez	homeodomain leucine zipper-encoding gene [Source:MGI Symbol;Acc.MGI:2678023]	
chr14:67605987-67606562.-@chr14:6760477-67605986-	0.63	0.65	0.65	0.5	0.48	0.53	0.13	1.00E+12	chr14	-	ENSMUSG00000022051	Bnip3l	BCL2/adenovirus E1B interacting protein 3-like [Source:MGI Symbol;Acc.MGI:1332659]	
chr14:8888158-8888420+@chr14:8888421-8889278+	0.62	0.48	0.79	0.6	0.14	0.22	0.44	1.00E+12	chr14	+	ENSMUSG00000025277	Ahh6b	abhydrolase domain containing 6 [Source:MGI Symbol;Acc.MGI:1913332]	
chr15:100219191-100219513+@chr15:100218331-100219190-	0.77	0.65	0.91	0.55	0.48	0.63	0.22	10.63	chr15	-	ENSMUSG00000022305	Sic11a2	solute carrier family 11 (proton-coupled directed metal ion transporters), member 2 [Source:MGI Symbol;Acc.MGI:1345279]	
chr15:13719750-137198171+@chr15:13719750-137198171+	0.05	0.05	0.03	0.02	0.03	0.03	0.03	1.00E+12	chr15	+	ENSMUSG00000022263	Subt1	SUB1 homolog (S. cerevisiae) [Source:MGI Symbol;Acc.MGI:104811]	
chr15:36701457-36702471+@chr15:36700525-36701456-	0.54	0.56	0.51	0.45	0.44	0.46	0.1	1.00E+12	chr15	-	ENSMUSG00000022090	Yhryc3	tyrosine 3-monooxygenase/tyrosophan 5-monooxygenase activation protein, zeta polypeptide [Source:MGI Symbol;Acc.MGI:1094984]	
chr15:51714083-51714229+@chr15:51714230-51715518+	0.23	0.17	0.3	0.3	0.1	0.08	0.13	653.86	chr15	+	ENSMUSG00000022313	Utp23	UTP23 small subunit, processome component [Source:MGI Symbol;Acc.MGI:1925831]	
chr15:58286487-58288176+@chr15:58288177-58289294+	0.16	0.06	0.17	0.63	0.6	0.66	0.17	1.00E+12	chr15	+	ENSMUSG00000037119	Fam91a1	family with sequence similarity 91, member A1 [Source:MGI Symbol;Acc.MGI:19271376]	
chr15:63762495-63763169.-@chr15:63760647-63762494-	0.13	0.12	0.14	0.04	0.04	0.04	0.05	1.00E+12	chr15	-	ENSMUSG00000022378	Fam949b	family with sequence similarity 49, member B [Source:MGI Symbol;Acc.MGI:1923520]	
chr15:6746236-6747410+@chr15:6747411-6747410-	0.96	0.95	0.91	0.71	0.66	0.77	0.28	1.00E+12	chr15	+	ENSMUSG00000050310	Rictor	RPTOR independent companion of mTOR, complex 2 [Source:MGI Symbol;Acc.MGI:1926007]	
chr15:8203437-82035108+@chr15:82035109-82035809-	0.83	0.83	0.85	0.59	0.57	0.64	0.24	1.00E+12	chr15	+	ENSMUSG00000022463	Per1h1	steroid regulatory element binding factor 2 [Source:MGI Symbol;Acc.MGI:107585]	
chr15:83319559-83319750+@chr15:83319751-83322434+	0.92	0.83	1	0.61	0.57	0.67	0.31	1.00E+12	chr15	+	ENSMUSG00000036176	Pph1h1	steroid carrier family 38, member 1 [Source:MGI Symbol;Acc.MGI:1917029]	
chr15:96827197-96827419.-@chr15:96825251-96827196-	0.92	0.86	0.99	0.72	0.68	0.77	0.2	8.0873	chr15	+	ENSMUSG00000022464	Sic38a4	solute carrier family 38, member 4 [Source:MGI Symbol;Acc.MGI:1916604]	
chr15:99451704-99451818.-@chr15:99450255-99451703-	0.56	0.75	0.96	0.62	0.54	0.7	0.23	111.85	chr15	-	ENSMUSG00000023015	Racgap1	Rac GTPase-activating protein 1 [Source:MGI Symbol;Acc.MGI:1349423]	
chr16:18254369-18255613.-@chr16:18254039-18254368-	0.53	0.46	0.6	0.71	0.63	0.81	-0.18	15.06	chr16	-	ENSMUSG00000022718	Dgcr8	DGCR8, microprocessor complex subunit [Source:MGI Symbol;Acc.MGI:12151114]	
chr16:20543518-20543979+@chr16:20543980-20544123+	0.13	0.11	0.14	0.09	0.07	0.07	0.1	0.04	15.91	chr16	+	ENSMUSG00000022841	Ap2m1	adaptor-related protein complex 2, mu 1 subunit [Source:MGI Symbol;Acc.MGI:1298405]
chr16:31094171-31096430.-@chr16:31092486-31094170-	0.99	0.96	0.91	0.84	0.79	0.9	0.15	1.00E+12	chr16	-	ENSMUSG00000049076	Acap2	ArtfGAP with coiled-coil, ankyrin repeat and PH domains 2 [Source:MGI Symbol;Acc.MGI:1925868]	
chr16:32905716-32906530.-@chr16:32906531-32906139+	0.99	0.97	1	0.71	0.71	0.81	0.24	1.00E+12	chr16	+	ENSMUSG00000022810	Fyt1d1	forty-two-three domain containing 1 [Source:MGI Symbol;Acc.MGI:1917955]	
chr16:35106483-35106860+@chr16:35106861-35105929-	0.1	0.06	0.13	0.05	0.04	0.06	0.05	65.10	chr16	+	ENSMUSG00000035376	Hsc22	3-hydroxyacyl-CoA dehydratase 2 [Source:MGI Symbol;Acc.MGI:1918007]	
chr16:38240655-38240865+@chr16:38240866-38245558+	0.97	0.92	0.98	0.58	0.5	0.68	0.39	1.00E+12	chr16	+	ENSMUSG00000022810	Gsk3b	glycogen synthase kinase 3 beta [Source:MGI Symbol;Acc.MGI:1861437]	
chr16:57152849-57153145.-@chr16:57153146-57154645+	0.61	0.58	0.63	0.37	0.36	0.39	0.24	1.00E+12	chr16	+	ENSMUSG00000022752	Tom70a	translocase of outer mitochondrial membrane 70A [Source:MGI Symbol;Acc.MGI:106295]	
chr16:84860848-84861557+@chr16:84861558-84864024+	0.87	0.82	0.95	0.63	0.59	0.68	0.24	1.00E+12	chr16	+	ENSMUSG00000008976	Gabpa	GA repeat binding protein, alpha [Source:MGI Symbol;Acc.MGI:95610]	
chr16:94720069-94720605.-@chr16:94719395-94720068-	0.2	0.79	0.91	0.63	0.58	0.68	0.19	6205.24	chr16	-	ENSMUSG00000022898	Vps26c	VPS26 endosomal protein sorting factor C [Source:MGI Symbol;Acc.MGI:1206040]	
chr17:15081162-15081968+@chr17:15081969-15082941+	0.81	0.84	0.85	0.56	0.59	0.69	0.36	1.00E+12	chr17	+	ENSMUSG00000050098	1600012H08R1K	RIKEN cDNA 1600012H08 gene [Source:MGI Symbol;Acc.MGI:1915162]	
chr17:2679219-26792297+@chr17:26792301-26793376+	0.27	0.27	0.27	0.25	0.25	0.27	0.11	39.221	chr17	+	ENSMUSG00000024404	Eno1	enolase 1, alpha [Source:MGI Symbol;Acc.MGI:104811]	
chr17:30345117-30345354+@chr17:30345355-30346864+	0.61	0.54	0.68	0.46	0.42	0.5	0.15	76.19	chr17	+	ENSMUSG00000044477	Zland3	zinc finger, AN1-type domain 3 [Source:MGI Symbol;Acc.MGI:1096572]	
chr17:32441636-32442200.-@chr17:32440616-32441635-	0.6	0.56	0.68	0.35	0.32	0.38	0.25	1.00E+12	chr17	-	ENSMUSG00000024045	Akap8	A kinase (PRKA) anchor protein 8 [Source:MGI Symbol;Acc.MGI:1928488]	
chr17:35793331-35793500.-@chr17:35792600-35793330-	0.34	0.27	0.34	0.18	0.14	0.23	0.16	36.87	chr17	-	ENSMUSG00000038838	Vars2	valyl-tRNA synthetase 2, mitochondrial [Source:MGI Symbol;Acc.MGI:1916165]	
chr17:80248405-80249497.-@chr17:80247728-80248404-	0.12	0.11	0.13	0.07	0.06	0.08	0.05	1.00E+12	chr17	-	ENSMUSG00000059811	At12	atlastin GTPase 2 [Source:MGI Symbol;Acc.MGI:1929492]	
chr17:88049809-88050240+@chr17:88050241-88050473+	0.1	0.09	0.11	0.07	0.06	0.08	0.03	68.22	chr17	+	ENSMUSG00000045394	Epcam	epithelial cell adhesion molecule [Source:MGI Symbol;Acc.MGI:106653]	
chr18:12313836-12314014.-@chr18:12314015-12315207+	0.69	0.61	0.78	0.52	0.46	0.59	0.17	5.78	chr18	+	ENSMUSG00000024404	Rioc3	RIO3 kinase 3 [Source:MGI Symbol;Acc.MGI:1914129]	
chr18:34478235-34479456+@chr18:34479457-34479228-	0.58	0.48	0.56	0.31	0.31	0.38	0.07	13.95	chr18	+	ENSMUSG00000005871	Anc	adrenomedullary polypeptide cell [Source:MGI Symbol;Acc.MGI:88039]	
chr18:35775909-35776201.-@chr18:35776202-35776840+	0.53	0.4	0.56	0.34	0.38	0.43	0.13	1.00E+12	chr18	+	ENSMUSG00000037058	Paip2	polyadenylate-binding protein-interacting protein 2 [Source:MGI Symbol;Acc.MGI:1915119]	
chr18:46767788-46768863+@chr18:46768864-46769865+	0.61	0.53	0.6	0.26	0.24	0.28	0.1	1.00E+12	chr18	+	ENSMUSG00000057561	Elf1a	eukaryotic translation initiation factor 1A [Source:MGI Symbol;Acc.MGI:95298]	
chr18:47407090-47408035.-@chr18:47404907-47407089-	0.34	0.32	0.36	0.27	0.24	0.28	0.08	137073.14	chr18	-	ENSMUSG00000019647	Sema6a5	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A [Source:MGI Symbol;Acc.MGI:1203727]	
chr18:52676673-52678789.-@chr18:52675718-52676672-	0.38	0.21	0.36	0.26	0.26	0.31	0.98	-0.49	32.23	chr18	-	ENSMUSG00000024529	Lox	lysoyl oxidase [Source:MGI Symbol;Acc.MGI:96817]
chr18:61874666-61875415.-@chr18:61872076-61874665-	0.23	0.21	0.25	0.14	0.13	0.15	0.09	1.00E+12	chr18	-	ENSMUSG00000024589	Grpe12	GrPE-like 2, mitochondrial [Source:MGI Symbol;Acc.MGI:1334416]	
chr18:63823795-63829385+@chr18:63823737-63823784-	0.15	0.13	0.15	0.07	0.07	0.09	0.07	1.00E+12	chr18	+	ENSMUSG00000024083	Tnfr1	tumor necrosis factor receptor 1 [Source:MGI Symbol;Acc.MGI:1860078]	
chr18:6788653-6789044+@chr18:6788950-6791014+	0.35	0.31	0.35	0.24	0.21	0.29	0.1	27.31	chr18	+	ENSMUSG00000036350	Rab18	RAB18, member RAS oncogene family [Source:MGI Symbol;Acc.MGI:102790]	
chr18:68481009-68481561.-@chr18:68481562-68483179+	0.16	0.15	0.18	0.17	0.1	0.12	0.05	1.00E+12	chr18	+	ENSMUSG00000009535	Rnmt	RNA (guanine-7-) methyltransferase [Source:MGI Symbol;Acc.MGI:1915147]	
chr18:9315941-9316552.-@chr18:9314382-9315940-	0.91	0.85	0.92	0.64	0.59	0.69	0.27	1.00E+12	chr18	-	ENSMUSG00000024286	Cony	cyclin Y [Source:MGI Symbol;Acc.MGI:1915224]	
chr18:9877005-9877307+@chr18:9877308-9877970+	0.67	0.61	0.73	0.31	0.5	0.6	0.12	6.45	chr18	+	ENSMUSG00000038103	Colec12	collectin sub-family member 12 [Source:MGI Symbol;Acc.MGI:2152907]	
chr18:9995592-9996093.-@chr18:9995429-9996591-	0.27	0.23	0.31	0.14	0.14	0.19	0.11	11822.94	chr18	-	ENSMUSG00000047879	Usp14	ubiquitin specific peptidase 14 [Source:MGI Symbol;Acc.MGI:1928898]	
chr19:17474093-17474963+@chr19:17474964-17475837+	0.97	0.91	1	0.83	0.76	0.9	0.14	28.21	chr19	+	ENSMUSG00000024712	Rfk	riboflavin kinase [Source:MGI Symbol;Acc.MGI:1914688]	
chr19:21355891-21356150.-@chr19:21356151-21356617+	0.65	0.5	0.7	0.27	0.21	0.35	0.39	372149.51	chr19	+	ENSMUSG00000024750	Zland5	zinc finger, AN1-type domain 5 [Source:MGI Symbol;Acc.MGI:1278334]	
chr19:37295996-37296316.-@chr19:37296317-37296828+	0.43	0.39	0.48	0.29	0.26	0.33	0.14	107582088	chr19	+	ENSMUSG00000023307	05_Mirz	membrane-associated ring finger (CHCH4) 5 [Source:MGI Symbol;Acc.MGI:1915207]	
chr19:3815589-3816303+@chr19:3816304-3816642+	0.81	0.68	0.95	0.45	0.43	0.53	0.72	2.25	5.08	chr19	+	ENSMUSG00000045098	Kmt5b	lysine methyltransferase 5B [Source:MGI Symbol;Acc.MGI:2444557]
chr19:41288280-41289560.-@chr19:41288330-41288279-	0.14	0.14	0.15	0.06	0.07	0.07	0.07	1.00E+12	chr19	-	ENSMUSG00000025016	Tms9f3	transmembrane 9 superfamily member 3 [Source:MGI Symbol;Acc.MGI:1914262]	
chr19:46158660-46158952+@chr19:46158953-46160020+	0.19	0.19	0.21	0.09	0.09	0.09	0.1	1.00E+12	chr19	+	ENSMUSG00000015176	Nolc1	nucleolar and coiled-body phosphoprotein 1 [Source:MGI Symbol;Acc.MGI:1918019]	
chr19:53454368-53454962+@chr19:53453986-53454367-	0.85	0.78	0.93	0.61	0.55	0.65	0.25	1290547198	chr19	-	ENSMUSG00000025204	Smndc1	survival motor neuron domain containing 1 [Source:MGI Symbol;Acc.MGI:1923729]	
chr19:53702485-53702486+@chr19:53702489-53715104+	0.33	0.28	0.33	0.19	0.19	0.21	0.14	1.00E+12	chr19	+	ENSMUSG00000024941	Elf1ad	ELF1 adhesion protein 1A domain containing [Source:MGI Symbol;Acc.MGI:1917110]	
chr19:54105766-54107354+@chr19:54107355-54107618+	0.66	0.52	0.68	0.35	0.36	0.5	0.23	201.28	chr19	+	ENSMUSG00000024976	Shoc2	Shoc2, leucine rich repeat scaffold protein [Source:MGI Symbol;Acc.MGI:1927197]	
chr19:7501481-7502318.-@chr19:7500389-7501480-	0.53	0.57	0.65	0.40	0.34	0.36	0.18	1.00E+12	chr19	+	ENSMUSG00000024758	Rtn3	reticulon 3 [Source:MGI Symbol;Acc.MGI:1339970]	
chr19:8912300-8912631+@chr19:8911417-8912299-	0.07	0.05	0.09	0.14	0.12	0.17	-0.07	99160.84	chr19	-	ENSMUSG00000071658	Gng3	guanine nucleotide binding protein (G protein), gamma 3 [Source:MGI Symbol;Acc.MGI:102704]	
chr2:10973758-109737878+@chr2:109737879-109741119+	0.88	0.85	0.95	0.57	0.47	0.54	0.38	1.00E+12	chr2	+	ENSMUSG00000027162	Lin7c	lin-7 homolog C (C. elegans) [Source:MGI Symbol;Acc.MGI:1330839]	
chr2:15143995-15144368+@chr2:15144277-15143994-	0.18	0.15	0.2	0.1	0.09	0.11	0.08	1.00E+12	chr2	-	ENSMUSG00000032869	Psmf1	proteasome (prosome, macropain) inhibitor subunit 1 [Source:MGI Symbol;Acc.MGI:1346072]	
chr2:154519744-154520003+@chr2:154520004-154520519+	0.7	0.64	0.72	0.47	0.45	0.54	0.27	21638.33	chr2	+	ENSMUSG00000038067	Chmp4b	charged multivesicular body protein 4B [Source:MGI Symbol;Acc.MGI:1922858]	
chr2:163977587-163977950+@chr2:163977951-163981260+	0.98	0.9	0.97	0.81	0.7	0.9	0.17	387.67	chr2	+	ENSMUSG00000018209	Skiv	skivliad protein [Source:MGI Symbol;Acc.MGI:1929004]	
chr2:172181897-172182294+@chr2:172181695-172181896-	0.61	0.56	0.67	0.43	0.45	0.53	0.12	14.29	chr2	+	ENSMUSG00000027496	Aurka	aurora kinase A [Source:MGI Symbol;Acc.MGI:894678]	
chr2:180452716-180453208+@chr2:180453209-180453431+	0.79	0.67	0.93	0.59	0.42	0.57	0.3	33124.88	chr2	+	ENSMUSG00000025753	Gid8	GID complex subunit 8 [Source:MGI Symbol;Acc.MGI:1923675]	
chr2:22968037-22968836+@chr2:22968837-22970025+	0.41	0.38	0.92	0.99	0.72	0.66	0.8	0.19	12.19	chr2	+	ENSMUSG00000026781	Acbd5	acyl-Coenzyme A binding domain containing 5 [Source:MGI Symbol;Acc.MGI:1921409]
chr2:31826510-31827359+@chr2:31827360-31828962+	0.93													

chr4:14737189-14738809-@chr4:14736850-14737188-	0.33	0.29	0.37	0.2	0.18	0.22	0.13	1.00E+12	chr4	-	ENSMUSG00000040550	Otu6b	OTU domain containing 6B [Source:MGI Symbol:Acc:MGI:1919451]	
chr4:154636176-154636551-@chr4:154634229-154636175-	0.38	0.33	0.44	0.16	0.14	0.18	0.22	1.00E+12	chr4	-	ENSMUSG00000029053	Prkcz	protein kinase C, zeta [Source:MGI Symbol:Acc:MGI:97602]	
chr4:155262794-155262978-@chr4:155262979-155263208-@	0.3	0.24	0.35	0.36	0.48	0.65	-0.26	7265418680	chr4	+	ENSMUSG00000029034	Ints11	integrator complex subunit 11 [Source:MGI Symbol:Acc:MGI:1919207]	
chr4:155394059-155394317-@chr4:155394318-155397719-@	0.14	0.13	0.15	0.08	0.07	0.09	0.06	1.00E+12	chr4	+	ENSMUSG00000029076	Sdf4	stromal cell derived factor 4 [Source:MGI Symbol:Acc:MGI:108079]	
chr4:15587376-155873901-@chr4:155873902-155873908-@	0.6	0.6	0.6	0.2	0.26	0.45	1.00E+12	chr4	+	ENSMUSG00000029274	Rngbl1	RNA polymerase II subunit 23 [Source:MGI Symbol:Acc:MGI:1329041]		
chr4:160497979-160498139-@chr4:160498140-1604980933-@	0.28	0.25	0.21	0.21	0.19	0.24	0.07	13.02	chr4	+	ENSMUSG00000029210	Dnaj1	DnaJ heat shock protein family (Hsp40) member A1 [Source:MGI Symbol:Acc:MGI:1270129]	
chr4:49526840-49527060-@chr4:49525470-49526839-	0.7	0.61	0.8	0.38	0.34	0.42	0.42	3.32	1.00E+12	chr4	-	ENSMUSG00000044018	Mipf50	mitochondrial ribosomal protein L50 [Source:MGI Symbol:Acc:MGI:107329]
chr4:62049833-62050555-@chr4:62050556-62052798-@	0.76	0.72	0.81	0.8	0.42	0.47	0.31	1.00E+12	chr4	+	ENSMUSG00000066150	Slc31a1	solute carrier family 31, member 1 [Source:MGI Symbol:Acc:MGI:1333943]	
chr4:75589179-75590860-@chr4:75587140-75589178-	0.88	0.8	0.95	0.67	0.59	0.59	0.21	24.28	chr4	-	ENSMUSG00000028399	Ptptrd	protein tyrosine phosphatase, receptor type, D [Source:MGI Symbol:Acc:MGI:97812]	
chr4:98384627-98385050-@chr4:9838501-98386294-@	0.33	0.23	0.43	0.13	0.09	0.18	0.2	36.64	chr4	+	ENSMUSG00000061859	Patj	PATJ, crumbs cell polarity complex component [Source:MGI Symbol:Acc:MGI:1277960]	
chr5:106243324-106243754-@chr5:106243755-106244229-@	0.87	0.75	0.98	0.66	0.58	0.76	0.21	7.68	chr5	+	ENSMUSG00000046079	Lrrc8d	leucine rich repeat containing 8D [Source:MGI Symbol:Acc:MGI:1522368]	
chr5:12952893-129529041-@chr5:129529042-129530197-@	0.06	0.06	0.06	0.04	0.04	0.02	1.0E+12	chr5	+	ENSMUSG00000029430	Ran	RAN, member RAS oncogene family [Source:MGI Symbol:Acc:MGI:1333112]		
chr5:138542710-138545720-@chr5:138545721-138549050-@	0.53	0.47	0.61	0.77	0.64	0.77	-0.18	111.55	chr5	+	ENSMUSG00000029729	Zfand1	zinc finger with KRAB and SCAN domains 1 [Source:MGI Symbol:Acc:MGI:1921820]	
chr5:145639978-145640224-@chr5:145637364-145639977-	0.79	0.67	0.91	0.63	0.43	0.56	0.3	719.62	chr5	-	ENSMUSG00000038780	Smurf1	SMAD specific E3 ubiquitin protein ligase 1 [Source:MGI Symbol:Acc:MGI:1923038]	
chr5:151610423-151611258-@chr5:151611259-151611461-@	0.49	0.41	0.58	0.29	0.25	0.35	0.2	57.74	chr5	+	ENSMUSG00000034021	Pds5b	PDS5 cohesin associated factor B [Source:MGI Symbol:Acc:MGI:2140945]	
chr5:30960222-30960991-@chr5:30960992-30962051-@	0.26	0.22	0.3	0.46	0.43	0.5	-0.2	1.00E+12	chr5	+	ENSMUSG00000029175	Slc35f6	solute carrier family 35, member F6 [Source:MGI Symbol:Acc:MGI:1922169]	
chr5:31813284-31813790-@chr5:31813791-31814001-@	0.12	0.09	0.15	0.06	0.05	0.08	0.06	13.74	chr5	+	ENSMUSG00000004037	Gpn1	GPN-hoop GTPase 1 [Source:MGI Symbol:Acc:MGI:1921504]	
chr5:4082538-4083123-@chr5:4082112-4082535-	0.56	0.53	0.58	0.41	0.39	0.43	0.15	1.00E+12	chr5	-	ENSMUSG00000001467	Ctjps1	cyclochrome P450, family 51 [Source:MGI Symbol:Acc:MGI:106040]	
chr5:67677484-67677788-@chr5:67677789-67678997-@	0.47	0.42	0.52	0.33	0.3	0.36	0.14	106580979231	chr5	+	ENSMUSG00000037720	Tmem33	transmembrane protein 33 [Source:MGI Symbol:Acc:MGI:1915128]	
chr5:68010399-68013836-@chr5:68009377-68010398-	0.47	0.42	0.52	0.33	0.27	0.36	0.15	535.82	chr5	-	ENSMUSG00000037685	Alp8a1	ATPase, aminophospholipid transporter (APLT), class 1, type 8A, member 1 [Source:MGI Symbol:Acc:MGI:1330848]	
chr5:74026473-74026732-@chr5:74024843-74026472-	0.85	0.69	0.99	0.48	0.4	0.58	0.37	6160.54	chr5	-	ENSMUSG00000029156	Sgcb	sarcoglycan, beta (dystrophin-associated glycoprotein) [Source:MGI Symbol:Acc:MGI:1346523]	
chr6:100181872-100182165-@chr6:10017858-100181871-@	0.87	0.81	0.93	0.7	0.45	0.51	0.39	1.00E+12	chr6	-	ENSMUSG00000072872	Rybp	RING1 and YY1 binding protein [Source:MGI Symbol:Acc:MGI:1929059]	
chr6:100816570-100818001-@chr6:100818002-100818513-@	0.18	0.16	0.18	0.12	0.11	0.14	0.06	1699499507	chr6	+	ENSMUSG000000052144	Ppp4r2	protein phosphatase 4, regulatory subunit 2 [Source:MGI Symbol:Acc:MGI:3027896]	
chr6:108805550-108805750-@chr6:108805751-108809350-@	0.51	0.46	0.57	0.33	0.3	0.36	0.18	1.00E+12	chr6	+	ENSMUSG00000030104	Edem1	ER degradation enhancer, mannosidase alpha-like 1 [Source:MGI Symbol:Acc:MGI:1201839]	
chr6:116336341-116336345-@chr6:116336346-116336354-@	0.54	0.49	0.54	0.33	0.3	0.42	0.21	16339.67	chr6	+	ENSMUSG00000004537	O8_Mttr	ORF, mitochondrial [Source:MGI Symbol:Acc:MGI:1919029]	
chr6:118378169-118378912-@chr6:118377337-118378168-	0.62	0.5	0.78	0.47	0.28	0.47	0.25	14.11	chr6	+	ENSMUSG00000030145	Zfp248	zinc finger protein 248 [Source:MGI Symbol:Acc:MGI:1919970]	
chr6:119875567-119876386-@chr6:119873985-119875566-	1	0.99	1	0.59	0.56	0.61	0.41	1.00E+12	chr6	-	ENSMUSG00000045962	Wnk1	WNK lysine deficient protein kinase 1 [Source:MGI Symbol:Acc:MGI:2442092]	
chr6:120837409-120839021-@chr6:120839022-120842860-@	0.31	0.3	0.33	0.17	0.17	0.19	0.13	1.00E+12	chr6	+	ENSMUSG00000009112	Bcl2l13	BCL2-like 13 (apoptosis facilitator) [Source:MGI Symbol:Acc:MGI:2136959]	
chr6:136555414-136555604-@chr6:136555605-136555900-@	0.46	0.38	0.57	0.25	0.2	0.31	0.21	7007.52	chr6	+	ENSMUSG00000030213	Aif7p	activating transcription factor 7 interacting protein [Source:MGI Symbol:Acc:MGI:1858965]	
chr6:142350101-142350656-@chr6:142350657-142352378-@	0.64	0.61	0.67	0.43	0.46	0.46	0.19	1.00E+12	chr6	+	ENSMUSG00000030245	Golr1b	golgi transport 1B [Source:MGI Symbol:Acc:MGI:1914214]	
chr6:148129797-148130197-@chr6:148128563-148129796-	0.47	0.44	0.5	0.24	0.24	0.27	0.22	1.00E+12	chr6	+	ENSMUSG00000030304	Ergic2	ERGIC and golgi 2 [Source:MGI Symbol:Acc:MGI:1914708]	
chr6:52716068-52716482-@chr6:52716483-52716774-@	0.34	0.27	0.36	0.18	0.16	0.21	0.13	1.2219E+11	chr6	+	ENSMUSG00000045535	Taxfp1	Tax1 (human T cell leukemia virus type 1) binding protein 1 [Source:MGI Symbol:Acc:MGI:1289308]	
chr6:66967583-66968283-@chr6:66968284-66971316-@	0.74	0.5	0.86	0.6	0.55	0.65	0.2	1.00E+12	chr6	+	ENSMUSG00000036402	Gng12	guanine nucleotide binding protein (G protein), gamma 12 [Source:MGI Symbol:Acc:MGI:1336171]	
chr6:71529786-71530164-@chr6:71530165-71531571-@	0.54	0.4	0.58	0.24	0.37	0.43	0.4	97593.99	chr6	+	ENSMUSG00000005319	Chmp3	charged multivesicular body protein 3 [Source:MGI Symbol:Acc:MGI:1913950]	
chr6:72792508-72792861-@chr6:72791106-72792507-	0.22	0.2	0.24	0.12	0.12	0.15	0.09	1.00E+12	chr6	-	ENSMUSG00000055239	Kcmf1	potassium channel modulatory factor 1 [Source:MGI Symbol:Acc:MGI:1921537]	
chr6:87741492-87742882-@chr6:87738857-87741491-	0.61	0.55	0.81	0.93	0.81	1	-0.25	15.88	chr6	-	ENSMUSG00000030055	Rab43	RAB43, member RAS oncogene family [Source:MGI Symbol:Acc:MGI:1917084]	
chr6:87862296-87862524-@chr6:87862525-87863589-@	0.4	0.36	0.45	0.3	0.28	0.33	0.1	674.3	chr6	+	ENSMUSG00000030058	Copp1	coatomer protein complex, subunit gamma 1 [Source:MGI Symbol:Acc:MGI:1958896]	
chr6:81436941-81437923-@chr6:81437924-81438453-@	0.54	0.49	0.58	0.34	0.32	0.37	0.2	1.00E+12	chr6	+	ENSMUSG00000030095	Tmem43	transmembrane protein 43 [Source:MGI Symbol:Acc:MGI:1921372]	
chr7:107231926-107232160-@chr7:107230619-107231925-@	0.77	0.72	0.76	0.55	0.5	0.6	0.22	1039353.37	chr7	-	ENSMUSG00000030726	Pold3	polymerase (DNA-directed), delta 3, accessory subunit [Source:MGI Symbol:Acc:MGI:1915217]	
chr7:112958197-112958369-@chr7:112958096-112958196-	0.31	0.25	0.38	0.14	0.14	0.22	0.13	34.51	chr7	-	ENSMUSG00000030879	Mipf17	mitochondrial ribosomal protein L17 [Source:MGI Symbol:Acc:MGI:1351608]	
chr7:119253633-119254002-@chr7:119254003-119254898-@	0.6	0.6	0.65	0.67	0.34	0.4	0.23	1.00E+12	chr7	+	ENSMUSG00000059263	Usp47	ubiquitin specific peptidase 47 [Source:MGI Symbol:Acc:MGI:1922246]	
chr7:129222074-129222353-@chr7:12922354-129225708-@	0.74	0.67	0.74	0.47	0.37	0.42	0.34	1.00E+12	chr7	+	ENSMUSG00000030870	Ubf1a	ubiquitin family domain containing 1 [Source:MGI Symbol:Acc:MGI:107301]	
chr7:138714402-138714691-@chr7:138714692-138715406-@	0.22	0.19	0.21	0.15	0.13	0.17	0.07	776.10	chr7	+	ENSMUSG00000066979	Bub3	BUB3 mitotic checkpoint protein [Source:MGI Symbol:Acc:MGI:1343463]	
chr7:16701914-16702477-@chr7:16702478-16703326-@	0.11	0.1	0.12	0.17	0.16	0.18	-0.06	1.00E+12	chr7	+	ENSMUSG00000030204	Napas	N-ethylmaleimide sensitive fusion protein attachment protein alpha [Source:MGI Symbol:Acc:MGI:104563]	
chr7:96299030-96299346-@chr7:96288711-96289029-	0.62	0.53	0.73	0.42	0.36	0.52	0.18	9.19	chr7	-	ENSMUSG00000035428	Tmem135	transmembrane protein 135 [Source:MGI Symbol:Acc:MGI:1920009]	
chr8:108720538-108721917-@chr8:108721918-108722604-@	0.34	0.32	0.34	0.28	0.22	0.27	0.1	1.00E+12	chr8	+	ENSMUSG00000031904	Slc7a6	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6 [Source:MGI Symbol:Acc:MGI:2142598]	
chr8:110080886-110081113-@chr8:110081114-110082495-@	0.44	0.37	0.53	0.22	0.19	0.27	0.22	66623554162	chr8	+	ENSMUSG00000031930	Wwp2	WW domain containing E3 ubiquitin protein ligase 2 [Source:MGI Symbol:Acc:MGI:1914144]	
chr8:119481959-119482147-@chr8:119482148-119484345-@	0.83	0.65	0.99	0.44	0.36	0.54	0.39	821.5	chr8	+	ENSMUSG00000047388	Atmin	ATM interactor [Source:MGI Symbol:Acc:MGI:2682328]	
chr8:48636081-48636291-@chr8:48636292-48638178-@	0.21	0.13	0.31	0.27	0.27	0.36	0.19	52592.18	chr8	+	ENSMUSG00000031568	Rwdd4a	RWD domain containing 4A [Source:MGI Symbol:Acc:MGI:2681000]	
chr8:72350503-72350226-@chr8:72350227-72355000-@	0.5	0.49	0.58	0.15	0.13	0.16	0.06	1.00E+12	chr8	+	ENSMUSG00000031861	Lpar2	lysophosphatidic acid receptor 2 [Source:MGI Symbol:Acc:MGI:1658422]	
chr8:73173719-73174480-@chr8:73172966-73173778-	0.48	0.4	0.57	0.68	0.6	0.78	-0.2	14.3	chr8	-	ENSMUSG00000056204	Papee1	pyroglyutamyl-peptidase 1 [Source:MGI Symbol:Acc:MGI:1913772]	
chr8:74746149-74746922-@chr8:74746923-74747334-@	0.37	0.33	0.41	0.22	0.18	0.23	0.17	1.00E+12	chr8	+	ENSMUSG00000030339	Fam32a	FAM3 with sequence similarity 32, member A [Source:MGI Symbol:Acc:MGI:1915172]	
chr8:83224736-83224960-@chr8:83223840-83224735-	0.33	0.3	0.35	0.2	0.2	0.23	0.11	1.00E+12	chr8	+	ENSMUSG00000031715	Smarc5a	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:MGI Symbol:Acc:MGI:1935129]	
chr8:86134718-86134868-@chr8:86134869-86135802-@	0.91	0.77	0.99	0.6	0.51	0.71	0.31	26.7	chr8	+	ENSMUSG00000050483	Dnajb1	DnaJ heat shock protein family (Hsp40) member B1 [Source:MGI Symbol:Acc:MGI:1931874]	
chr9:103091453-103092536-@chr9:103090360-103091452-	0.11	0.1	0.12	0.12	0.07	0.09	0.03	1.00E+12	chr9	-	ENSMUSG00000032553	Sirpb	signal recognition particle receptor, B subunit [Source:MGI Symbol:Acc:MGI:102964]	
chr9:105314952-105315387-@chr9:105313690-105314951-	0.3	0.27	0.33	0.17	0.16	0.19	0.13	1.00E+12	chr9	-	ENSMUSG00000032570	Alp2c1	ATPase, Ca++-sequestering [Source:MGI Symbol:Acc:MGI:1899008]	
chr9:107873427-107873890-@chr9:107873891-107874601-@	0.15	0.12	0.16	0.09	0.07	0.11	0.06	6.81	chr9	+	ENSMUSG00000032586	Traip	TRAF-interacting protein [Source:MGI Symbol:Acc:MGI:1086377]	
chr9:119371955-119372870-@chr9:119372880-119373699-@	0.56	0.48	0.58	0.38	0.33	0.68	0.43	0.18	234.74	chr9	+	ENSMUSG00000042787	Exog	endo/exonuclease (5'-3'), endonuclease G-like [Source:MGI Symbol:Acc:MGI:2143333]
chr9:122985948-122987279-@chr9:122983269-122985947-	0.11	0.1	0.12	0.07	0.06	0.08	0.04	1188.35	chr9	-	ENSMUSG00000025786	Zdhf3c	zinc finger, DHHC domain containing 3 [Source:MGI Symbol:Acc:MGI:1926134]	
chr9:123608768-123609201-@chr9:123608710-123608767-	0.45	0.38	0.53	0.29	0.24	0.35	0.16	13.94	chr9	-	ENSMUSG00000025245	Lztf1	leucine zipper transcription factor-like 1 [Source:MGI Symbol:Acc:MGI:1934860]	
chr9:13612628-13613049-@chr9:13612239-13612627-	0.63	0.56	0.7	0.47	0.42	0.53	0.16	41.04	chr9	-	ENSMUSG00000031922	Cep57	centrosomal protein 57 [Source:MGI Symbol:Acc:MGI:1915551]	
chr9:42062817-42063423-@chr9:42062218-420														

Supplemental Table 2: Genes with significant changes in 3'UTR length upon KD of *Sra7* quantified with MISO. Bayes factor (BF) > 5.

Event_name	Sample1_posterior_mean	Sample1_ci_low	Sample1_ci_high	Sample2_posterior_mean	Sample2_ci_low	Sample2_ci_high	Diff	Bayes_factor	Chrom	Strand	mbi	Gene_name	Description
chr1:13005911:13005925+@chr1:13005977-13009130-	0.81	0.63	0.48	0.63	0.43	0.20	1.88	0.63	chr1	+	ENSMUSG00000042429	Adenosine A1 receptor [Source: MGI Symbol; Acc: MGI:134448]	
chr1:141300327:141300466+@chr1:141300471-141300665+	0.85	0.53	0.79	0.43	0.36	0.41	1.62	0.63	chr1	+	ENSMUSG00000033952	Aspm	
chr1:184061586:184061936+@chr1:184061937-184062519+	0.29	0.26	0.31	0.37	0.41	-0.22	1.895	0.37	chr1	+	ENSMUSG00000026511	Srp9	
chr1:184062652:184062876+@chr1:184062903-184062925-	0.87	0.64	0.7	0.7	0.78	-0.07	1.970	0.71	chr1	+	ENSMUSG00000033833	Dgpi1	
chr1:24819514:24819577+@chr1:24819578-248196179+	0.2	0.17	0.14	0.24	0.27	-0.14	1.165	0.17	chr1	+	ENSMUSG00000026224	Ubr1	
chr1:67049647:67050053+@chr1:67047089-67049946-	0.38	0.27	0.54	0.82	0.61	0.21	1.14	0.61	chr1	+	ENSMUSG00000026000	Langf1	
chr1:106234769:88247193+@chr1:88246263-88247068-	0.07	0.07	0.07	0.08	0.09	-0.01	1.3109	0.08	chr1	+	ENSMUSG00000026234	Ncl	
chr1:110353131:110353358+@chr1:110353369-110353206-	0.44	0.44	0.45	0.49	0.48	0.05	-1.049	0.48	chr10	+	ENSMUSG00000058799	Npp1	
chr1:119684269:119684272+@chr1:119684273-1196849127+	0.08	0.08	0.09	0.17	0.19	-0.1	1.17	0.17	chr1	+	ENSMUSG00000040430	Pipnc1	
chr10:62044861:62045996+@chr10:62042999-62044860-	0.61	0.58	0.64	0.69	0.65	0.07	-1.590	0.65	chr10	+	ENSMUSG00000020075	Ddx21	
chr11:100182675:100182848+@chr11:100182849-100183409+	0.36	0.35	0.38	0.41	0.4	0.04	1.2560	0.41	chr11	+	ENSMUSG00000035530	Eif1	
chr11:106624589:106624162+@chr11:106641667-106642957-	0.46	0.44	0.48	0.58	0.56	0.12	-1.177	0.56	chr11	+	ENSMUSG00000020719	Ddx5	
chr11:107072747:107073865+@chr11:107069205-107072746-	0.54	0.58	0.71	0.94	0.84	0.1	-0.3	0.94	chr11	+	ENSMUSG00000004930	Rplnc1	
chr11:118164901:118165011+@chr11:118162376-118164900-	0.25	0.2	0.32	0.44	0.33	0.59	-0.19	0.44	chr11	+	ENSMUSG00000011466	Timp2	
chr11:70823426:70823821+@chr11:70820942-70823425-	0.23	0.22	0.25	0.29	0.27	0.01	-0.09	1.802	chr11	+	ENSMUSG00000018442	Der2	
chr11:72989698:72989871+@chr11:72989016-72989695-	0.43	0.43	0.51	0.56	0.52	0.31	-0.06	1.985	chr11	+	ENSMUSG00000042720	Emc6	
chr11:77523237:77523834+@chr11:77523835-77523448+	0.53	0.51	0.55	0.45	0.44	0.47	0.08	1.2282	chr11	+	ENSMUSG00000037857	Nuf2c	
chr11:87863108:87865151+@chr11:87865152-87867258+	0.14	0.14	0.15	0.16	0.16	0.17	-0.02	1.20436	chr11	+	ENSMUSG00000018379	Sra1f	
chr11:97022848:97023993+@chr11:97021027-97022847-	0.3	0.29	0.3	0.35	0.36	0.05	-0.25	1.28213	chr11	+	ENSMUSG00000001440	Kpnb1	
chr12:28024666:28026084+@chr12:28020076-28024665-	0.72	0.69	0.75	0.53	0.51	0.55	-0.19	1.503	chr12	+	ENSMUSG00000036322	Socx1	
chr12:3249427:3249785+@chr12:3247447-3249426-	0.56	0.52	0.59	0.75	0.7	0.81	-0.19	1.253	chr12	+	ENSMUSG00000020871	Rarb1	
chr12:45955605:45956839+@chr12:45953469-45956004-	0.61	0.62	0.71	0.84	0.84	0.59	-0.33	1.24	chr12	+	ENSMUSG00000046314	Stebp6	
chr12:76553477:76554699+@chr12:76551868-76553476-	0.39	0.35	0.42	0.57	0.5	0.59	-0.15	1.199	chr12	+	ENSMUSG00000021051	Ppp2r5e	
chr12:82026536:82027139+@chr12:82027552-82027535-	0.51	0.47	0.52	0.55	0.55	0.59	-0.06	1.1754	chr12	+	ENSMUSG00000066441	Rplnc1	
chr13:112216387:112216699+@chr13:112215886-112216386-	0.35	0.31	0.4	0.41	0.41	0.51	-0.11	1.347	chr13	+	ENSMUSG00000032745	Gpbat4	
chr13:4592141:4592500+@chr13:45911734-4592140-	0.26	0.21	0.32	0.44	0.37	0.51	-0.18	1.213	chr13	+	ENSMUSG00000045410	Akr1e1	
chr13:74460261:74460533+@chr13:74455073-74460260-	0.54	0.51	0.58	0.62	0.59	0.66	-0.08	1.564	chr13	+	ENSMUSG00000021577	Sdhc	
chr13:83154759:83155639+@chr13:83155640-83155008+	0.09	0.09	0.1	0.11	0.12	-0.03	-0.11	1.258	chr13	+	ENSMUSG00000021707	Dhm1	
chr14:102032389:10203357+@chr14:102032985-102032388-	0.29	0.29	0.29	0.36	0.36	0.58	-0.16	1.91	chr14	+	ENSMUSG00000075496	Connm6	
chr14:68294770:68294915+@chr14:68294049-68294769-	0.42	0.42	0.42	0.59	0.46	0.42	0.25	1.22	chr14	+	ENSMUSG00000048922	Cdca2	
chr14:8822478:8823098+@chr14:8823099-8823031+	0.36	0.32	0.4	0.47	0.43	0.52	-0.11	1.507	chr14	+	ENSMUSG00000023156	Rpp14	
chr15:19193765:19193771+@chr15:1911088-19193749-	0.06	0.06	0.06	0.06	0.07	0.07	-0.01	1.992	chr15	+	ENSMUSG00000022265	Sob1	
chr15:31387227:31388842+@chr15:31385652-31387226-	0.91	0.88	0.94	0.96	0.96	0.96	0.02	1.146	chr15	+	ENSMUSG00000039100	06. Mrz	
chr15:81305528:81306691+@chr15:81305662-81306795+	0.13	0.12	0.14	0.19	0.18	0.21	-0.06	1.1717	chr15	+	ENSMUSG00000022400	Rbx1	
chr15:81824428:81825180+@chr15:81822951-81824427-	0.64	0.6	0.69	0.78	0.73	0.83	-0.14	1.334	chr15	+	ENSMUSG00000027272	Deaf1	
chr15:81872423:81872534+@chr15:81871770-81872422-	0.34	0.32	0.34	0.32	0.34	0.48	-0.11	1.381	chr15	+	ENSMUSG00000036340	Snr13	
chr15:8765735:87657863+@chr15:87658071-87657862-	0.18	0.18	0.2	0.27	0.27	0.32	-0.09	1.353	chr15	+	ENSMUSG00000054883	Fam19a5	
chr15:89201882:89202011+@chr15:89202012-89202559+	0.31	0.28	0.35	0.41	0.37	0.47	-0.11	1.206	chr15	+	ENSMUSG00000008890	Ncap2h	
chr16:35106483:35106660+@chr16:35106661-35109259+	0.13	0.13	0.13	0.21	0.18	0.26	-0.11	1.170	chr16	+	ENSMUSG00000035376	Hacc2	
chr16:9480264:9480157+@chr16:94808152-94806264-	0.87	0.86	0.86	0.86	0.86	0.86	0.01	1.394	chr16	+	ENSMUSG00000008926	Ctcf	
chr16:87484118:87484231+@chr16:87483743-87484117-	0.05	0.04	0.05	0.07	0.07	0.07	-0.02	1.800	chr16	+	ENSMUSG00000025613	Ctcfb	
chr17:13167133:13168156+@chr17:13165649-13167132-	0.32	0.29	0.34	0.24	0.23	0.26	0.08	1.508	chr17	+	ENSMUSG00000060475	Wtap	
chr17:35793331:35793500+@chr17:35792600-35793330-	0.34	0.27	0.44	0.59	0.47	0.72	-0.25	1.321	chr17	+	ENSMUSG00000038838	Vara2	
chr17:4293140:42932275+@chr17:42928909-4293139-	0.36	0.31	0.45	0.51	0.46	0.56	-0.15	1.275	chr17	+	ENSMUSG00000061665	Cdcp1	
chr17:80248405:80249407+@chr17:80247728-80248404-	0.12	0.11	0.13	0.15	0.14	0.17	-0.03	1.4532	chr17	+	ENSMUSG00000059811	Aa2	
chr18:39530816:39532173+@chr18:39532174-39535939+	0.43	0.43	0.61	0.75	0.63	0.87	-0.14	1.400	chr18	+	ENSMUSG00000036452	Ahgap26	
chr18:40365081:40365890+@chr18:40364516-40365890-	0.25	0.22	0.28	0.36	0.33	0.4	-0.11	1.086	chr18	+	ENSMUSG00000024487	Yip1f5	
chr18:63923785:63923955+@chr18:63922331-63923784-	0.15	0.13	0.17	0.22	0.22	0.25	-0.07	1.313	chr18	+	ENSMUSG00000024583	Tm11	
chr18:68841009:68841561+@chr18:68841562-68841719+	0.16	0.15	0.18	0.21	0.19	0.22	-0.05	1.1636	chr18	+	ENSMUSG00000009535	Rnm2	
chr19:46158660:46158952+@chr19:46158953-46160020+	0.19	0.18	0.21	0.27	0.27	0.3	-0.09	1.148	chr19	+	ENSMUSG00000015176	Ndc1	
chr19:7501481:7502318+@chr19:7500389-7501480-	0.53	0.52	0.55	0.54	0.56	0.59	-0.04	1.4225	chr19	+	ENSMUSG00000024758	Rtn3	
chr19:9898458:10989474+@chr19:10988475-109898006+	0.3	0.23	0.49	0.38	0.4	0.6	-0.19	1.148	chr19	+	ENSMUSG00000027160	Cdca34	
chr2:181590016:181591558+@chr2:181591559-181592155+	0.64	0.58	0.71	0.81	0.74	0.89	-0.17	1.373	chr2	+	ENSMUSG00000027589	Pcm12c	
chr2:32452723:32453221+@chr2:32452222-32452814-	0.34	0.28	0.4	0.44	0.44	0.65	-0.2	1.163	chr2	+	ENSMUSG00000079442	Stibga1	
chr2:32489229:32489383+@chr2:32489384-32490576+	0.54	0.39	0.76	0.86	0.65	0.98	-0.31	1.400	chr2	+	ENSMUSG00000026917	Akt1	
chr2:90750427:90755548+@chr2:90755549-90787858+	0.07	0.06	0.08	0.11	0.11	0.13	-0.04	1.428	chr2	+	ENSMUSG00000027282	Mch2	
chr3:105770240:105771107+@chr3:105771108-105772291+	0.33	0.31	0.35	0.37	0.37	0.41	-0.06	1.258	chr3	+	ENSMUSG00000005661	Wdr77	
chr3:106376603:106376852+@chr3:106376853-106377381+	0.34	0.34	0.4	0.53	0.44	0.62	-0.19	1.400	chr3	+	ENSMUSG00000027900	Dram2	
chr3:67496260:67497014+@chr3:67497015-67498155+	0.5	0.46	0.54	0.61	0.57	0.65	-0.11	1.477	chr3	+	ENSMUSG00000027775	Mbf1	
chr3:6937104:69378351+@chr3:69378352-69378103-	0.55	0.57	0.78	0.78	0.78	0.36	0.31	1.148	chr3	+	ENSMUSG00000043300	E3gaint1	
chr3:8560325:8560490+@chr3:8560491-8561066+	0.4	0.37	0.44	0.52	0.48	0.56	-0.12	1.362	chr3	+	ENSMUSG00000027500	Snmn2	
chr3:9570294:95701391+@chr3:95701392-95702515+	0.54	0.53	0.58	0.46	0.44	0.49	0.09	1.2671	chr3	+	ENSMUSG00000015750	Aph1a	
chr3:95749173:95749439+@chr3:95749440-95750331+	0.51	0.48	0.54	0.61	0.58	0.64	-0.1	1.807	chr3	+	ENSMUSG00000015749	Anp32b	
chr4:109634467:109634652+@chr4:109634653-10963665+	0.06	0.05	0.07	0.13	0.11	0.15	-0.07	1.133	chr4	+	ENSMUSG00000010617	Farf1	
chr4:129024134:129024330+@chr4:129024331-129025865+	0.27	0.2	0.34	0.41	0.38	0.57	-0.18	1.39	chr4	+	ENSMUSG00000005752	Zbtb89a	
chr4:140277119:140277367+@chr4:140277368-140279135+	0.6	0.58	0.62	0.71	0.69	0.73	-0.11	1.423	chr4	+	ENSMUSG00000040945	Rcc2	
chr4:155384059:155384317+@chr4:155384318-155387119+	0.14	0.13	0.15	0									

Supplemental Table 3: Quantitative SRSF3 RNP interactome. No RNase treatment. 3 biological replicates. Control GFP-NLS. Normalized to GFP.

We identified and quantified

Gene_name	NLS_1	NLS_2	NLS_3	SRSF3_1	SRSF3_2	SRSF3_3	NLS_1_norm	NLS_2_norm	NLS_3_norm	SRSF3_1_norm	SRSF3_2_norm	SRSF3_3_norm	log2_fold_change	p-value	rank	adjusted_p-value
Gm13826; Rpl37r; Rpl37	99.6	100.6	112.5	2988.5	2176.6	1973	99.6	89.11632724	108.5966396	304.0360812	311.4882724	318.9780439	1.65221598	0.00	81	0.00
Polr2b	38.5	45.4	47	1091.6	794.6	671.3	38.5	40.21750752	45.36926278	111.0543036	113.7133976	108.5301373	1.425462653	0.00	108	0.00
Rps7	199.3	218.3	222.6	3835.3	2762.4	2548.8	199.3	193.3806584	214.8765509	390.1855722	395.3207771	412.0685446	0.979023713	0.00	213	0.00
Cpsf3	89.5	111.7	84.7	1944.9	1412.7	1230.8	89.5	98.34924207	81.76120335	197.8650743	202.1682819	198.985391	1.14851771	0.00	174	0.00
Rbm17	92.5	118.6	99.8	1794.7	1281.4	1163.2	92.5	105.0615945	96.33728564	182.5844253	183.3782377	188.0563916	0.914615734	0.00	227	0.00
Sf3b1	339.9	371.6	374.2	7504.7	5605.4	4544.5	339.9	329.1811849	361.216556	763.4932504	802.1760369	802.1760369	1.158814535	0.00	172	0.00
Wdr33	121	144.9	137	2769.1	2150.9	1885.8	121	128.3594018	132.2465745	281.7153463	307.8104038	304.8802814	1.228846152	0.00	160	0.00
Srpk1	42.8	44.1	48.6	1247.9	963.3	875.9	42.8	39.06590488	46.91374832	126.9555382	137.8556707	141.6081443	1.658064433	0.00	80	0.00
Abxn2l	125.3	162.4	167.3	3776.8	2552.1	2453.9	125.3	143.861745	161.4952694	384.2340544	365.2252228	396.7259108	1.412228923	0.00	111	0.00
Luc7l	287.3	312.5	314.4	5238.3	3962.3	3590.4	287.3	276.8275573	303.4914089	532.9202625	567.0357353	580.4656711	0.953689799	0.00	218	0.00
Eif4g1	87.6	118.1	103.2	2309.4	1821.7	1587.8	87.6	104.6186704	99.61931742	234.9476078	260.6993411	256.7021481	1.366234553	0.00	128	0.00
Rpl36	9.6	9.3	11.1	364.5	302.1	240.1	9.6	8.238388105	10.71486844	37.08253358	43.23284346	38.81734838	2.06084257	0.00	47	0.00
Srsf6	317.8	400.8	401.2	7694.2	5580.8	5324.3	317.8	355.0479519	387.2797495	782.7720985	798.6555868	860.7880382	1.203952581	0.00	166	0.00
Caprin1	49.3	62.9	63.9	2435.6	1510.4	1322.4	49.3	55.71985073	61.68289131	247.7866085	216.1499065	213.7945085	2.023434978	0.00	49	0.00
Rbm8a	25	36.8	40.3	1756	1497.8	1163.3	25	32.59921315	38.90172957	178.6472674	214.3467492	188.0725588	2.590088528	0.00	14	0.00
Rpl21	82.4	118.4	110	3037.7	2521.8	2102.1	82.4	104.8844249	106.183381	309.0414603	360.8890587	339.849846	1.78276738	0.00	67	0.00
Rpl27a	51.9	54.8	54.7	1946.1	1596.4	1470.8	51.9	48.54448044	52.80209945	197.9871567	228.4571708	237.7865722	2.115829961	0.00	42	0.00
Srsf3	195.7	227.3	278.1	14731.4	8812	7880.1	195.7	201.3532921	268.4508932	1498.704075	1261.065265	1273.988284	2.599604755	0.00	13	0.01
Snrpe	2.8	4.6	2.9	178.3	137.2	100.4	2.8	4.074901643	2.799380044	18.13941218	19.63437975	16.23182748	2.48088308	0.00	16	0.00
Trpc1	1.9	4.2	2	363.3	301.2	289.1	1.9	3.72056237	1.930606927	36.96045117	43.10404651	46.73925621	4.069753583	0.00	3	0.05
Grwd1	20.3	17.6	23.3	769.4	626.3	577.6	20.3	15.59092803	22.4915707	78.27517514	89.62836763	93.38150947	2.162016729	0.00	39	0.00
Rps4x	411.9	455.1	559.9	14744.9	11893.2	10865.9	411.9	403.1495082	540.4734091	1500.077502	1702.008785	1756.707313	1.871139672	0.00	62	0.00
Rpl26; Gm15772	28.4	36.3	34.1	1047.1	898.2	740	28.4	32.15628905	32.9168481	106.5270807	128.5393578	119.6369754	1.923989496	0.00	57	0.00
Zc3h18	138.4	144.5	133.6	2196	1456.9	1406.2	138.4	128.0050625	128.9645427	223.4108196	208.4936433	227.3425876	0.737617246	0.00	275	0.00
Rbm39	164	181.4	185	2799.6	2136.3	1935.9	164	160.6928604	178.5811407	284.8182744	305.7210311	312.980028	0.844211401	0.00	249	0.00
Rbbp6	177.5	152.4	171.6	3254.6	2291.5	2005	177.5	135.0032631	165.6460743	331.1078568	327.9313499	324.1515348	1.040010053	0.00	201	0.00
Npm1	643.4	737.9	725.3	14301.7	10797.4	10426.3	643.4	653.6673745	700.134602	1454.988397	1545.191341	1685.636482	1.230320132	0.00	159	0.00
Srsf1; LOC102641923	266.1	348.8	364.9	6467.5	4976.3	4252.2	266.1	308.9838463	352.2392338	657.9733496	712.1469676	687.4599283	1.149804729	0.00	173	0.00
Rpl36a; Rpl36a; Rpl36a-ps3	49.5	53	60.6	2541.8	1888.2	1961.1	49.5	46.94995371	58.49738988	258.5909022	270.2160047	317.054152	2.448642684	0.00	19	0.01
Luc7l3	244.1	269.4	268.1	6133.7	4989.4	3757.4	244.1	238.6475006	258.7978585	624.0140912	714.0216788	607.4648263	1.391534575	0.00	115	0.00
Rpl35a-ps4; Rpl35a; Rpl35a-ps2; Gn	108.8	130.8	124.5	4055.2	3411.4	3179.9	108.8	115.8689424	120.1802812	412.5571747	488.1976901	514.099484	2.03661592	0.00	48	0.00
Mrpl38	31.5	19.8	16.7	514.7	431.1	375.8	9.9	17.53979403	16.12056784	52.36318254	61.69373987	60.75618293	2.0047255	0.00	52	0.01
Krr1	55.5	46	56.4	2621.3	2168.6	2112.1	55.5	40.74901643	54.44311533	266.6788622	310.3434106	341.4665619	2.607658094	0.00	12	0.02
Eif4a3	152.9	202.7	206.1	6151	5152.3	4801.8	152.9	179.5614268	198.9490438	625.7741127	737.3339271	776.3146333	2.009322976	0.00	51	0.00
Lyar	87.5	83.1	94.5	2650.8	2022.8	2043.2	87.5	73.61398403	91.22117729	269.6800549	289.4783044	330.3273895	1.81763024	0.00	64	0.00
Hist1h1c	34.8	38.4	49.8	1871.4	1507.9	1496.2	34.8	34.01657024	48.07211247	190.3875263	215.7921372	241.8930306	2.471020396	0.00	18	0.02
Nop14	215	244	221	4034.6	3247.2	2963.9	215	216.1469567	213.3320654	410.4614266	464.6994018	479.1784209	1.071383861	0.00	191	0.00
Ddx21	474.1	523.8	556.7	14866	11892.4	11629.5	474.1	464.0072784	537.3844438	1512.397652	1701.894298	1880.159737	1.787731057	0.00	65	0.00
Rps15a	67.2	85.1	90.3	3005.6	2688	2300.1	67.2	75.3856804	87.16690274	306.0199205	384.6735625	371.8608205	2.209383587	0.00	35	0.01
Mrpl3	70.8	81.1	82.6	3171.6	2894.7	2228.2	70.8	71.84228766	79.73406607	322.6638231	414.2539291	360.2366333	2.302691255	0.00	31	0.01
Imp4	21.9	20.7	22	479.6	410.7	335.6	21.9	18.33705739	21.23667619	48.7922719	58.7743423	54.25698507	1.396380002	0.00	114	0.00
Fau	4.7	5.2	3.3	95.2	71.2	59.1	4.7	4.606410553	3.185501429	9.68520493	10.18926996	9.554790875	1.236257239	0.00	156	0.00
Rps9	172.1	197.9	218.3	7437.9	5508.5	5867.2	172.1	175.3093555	210.725746	756.6973293	788.3088984	948.5595436	2.15952397	0.00	40	0.01
G3bp1	283	336.4	350.2	6243	4241.4	4334.3	283	297.9993289	338.0492729	635.1337645	606.9771011	700.7331657	1.079957026	0.00	186	0.00
Zc3h13	38.4	58.6	40.9	1049.4	876.8	727.8	38.4	51.91070354	39.48091165	106.761072	125.4768525	117.6645821	1.430755814	0.00	107	0.00
Lck	10.1	15.8	19.1	585.9	452.8	460.4	10.1	13.9964013	18.43729615	59.60673917	64.79917749	74.43359931	2.224926318	0.00	34	0.00
Rbmx1	227.3	285.4	281.9	12565.5	11783.8	9061.4	227.3	252.8210715	272.1190463	468.3652404	1686.3528	1464.970931	2.557937074	0.00	15	0.03
Acin1	243.4	276.8	242.3	5414	4520.9	4153.6	243.4	245.2027771	233.8930292	550.7951627	646.97571	671.5191097	1.371429273	0.00	120	0.00
Rnps1	15.7	16	16.7	638.6	548.7	526.7	15.7	14.17357093	16.12056784	64.9681919	78.52320823	85.15242562	2.313500032	0.00	30	0.01
Bclaf1	316.8	352	319.7	10541.5	9338.7	8450.5	316.8	311.8185605	308.6075172	1072.443149	1336.440103	1366.205758	2.010041659	0.00	50	0.01
Rps2; Rps2-ps13	400	486.4	485.2	9117.6	7278.4	6917.7	400	430.8765564	468.3652404	927.5821898	1041.595259	1118.395547	1.248803295	0.00	151	0.00
Wdr3	43.6	47.4	51.8	1694.7	1522.1	1360.1	43.6	41.98920389	50.0027194	172.4108907	217.8242669	219.8895274	2.169832857	0.00	38	0.00
Snmp70	133.5	161.5	163.9	3281.6	2775.9	2497.8	133.5	143.0644816	158.2132376	333.8547111	397.2527314	403.8232935	1.384254339	0.00	116	0.00
Rpl27; LOC108167922	79.1															

Ddx5	775.6	1005.6	984.4	15322.4	11557.6	11100.5	775.6	890.8089331	950.2447293	1558.829664	1653.981832	1794.635467	0.936352252	0.00	222	0.00
Cherp	124.5	141.2	138.7	2786.6	2209.8	2189.2	124.5	125.0817635	133.8875904	283.4957149	316.2394488	353.9314414	1.314373714	0.00	129	0.00
Rpl24	86.3	104.4	119.2	2130.5	1603.6	1592.8	86.3	92.48255034	115.0841128	216.7471545	229.4875464	257.510506	1.259989381	0.00	147	0.00
Ctnnd1	12.1	15.2	14.8	382.5	289.6	306.6	12.1	13.46489239	14.28649126	38.91376981	41.44399691	49.56850901	1.704991504	0.00	73	0.01
Snrpf	6.1	4.5	1.6	550.2	492.3	496.6	6.1	3.986316825	1.544485541	55.97478732	70.45193259	80.28611081	4.151605408	0.00	2	0.34
Tin2	22.3	23.4	20.3	608.7	483.6	500.2	22.3	20.72884749	19.59566031	61.92630505	69.20689539	80.86812853	1.759274044	0.00	69	0.00
Fytd1	21.3	23.7	17.6	1133.2	1013.7	997.2	21.3	20.99460194	16.98934095	115.286494	145.0683	161.218908	2.830071566	0.00	8	0.09
Srrt	161.4	183.1	199.1	3038.5	2331.4	2239.6	161.4	162.1988024	192.1919196	309.1228485	333.641348	362.0796894	0.962113652	0.00	217	0.00
Snrpc	36.4	43.8	54.9	914.9	730.6	590.9	36.4	38.80015043	52.99516014	93.07766797	104.5545033	95.5317416	1.193364036	0.00	168	0.00
Rps18	260.7	254.2	225	4181	3243	3111.2	260.7	225.1826082	217.1932793	425.3554812	464.0983494	502.9926459	0.985896552	0.00	209	0.00
Rpl23a	184.7	221	253	6462.9	5489.8	5372.8	184.7	195.7724485	244.2217762	657.5053671	785.632784	868.6291102	1.887774063	0.00	60	0.01
Rpl10; Rpl10-ps1	128.8	144.6	138.2	4680.7	3906	4003.7	128.8	128.0936473	133.4049386	476.1926336	558.9787705	647.2845385	2.107918585	0.00	44	0.02
Rbmx	11.9	17.7	19.1	727.6	701.7	506.8	11.9	15.67951284	18.43729615	74.02263768	100.41869	81.93516101	2.478031115	0.00	17	0.05
Hist2h2be	2.6	1.8	3.2	88.9	74.2	73.4	2.6	1.59452673	3.088971083	9.044272251	10.61859313	11.86669459	2.114001677	0.00	43	0.02
U2af2	148.3	176.4	136.2	2537.7	2092.9	1636.6	148.3	156.2636195	131.4743317	258.1737873	299.5101558	264.5917216	0.915168425	0.00	226	0.00
Ddx18	183.5	203.2	195.1	4465.2	3887.6	3628.2	183.5	180.0043508	188.3307057	454.2686665	556.3455883	586.5768571	1.533227934	0.00	95	0.01
Hnrnpc	6.4	2.9	4.1	846.3	825.1	779.1	6.4	2.568959732	3.9577442	86.09862324	118.0781832	125.9583345	4.674630346	0.00	1	0.82
Srfbp1	20.6	24.6	32.9	719.2	556.1	570.8	20.6	21.79186531	31.75848394	73.16806078	79.58220539	92.28214267	1.724447185	0.00	71	0.01
Snrpa1	89.7	86.1	83.9	2078.1	1889.8	1658.1	89.7	76.27152858	80.98986057	211.4162223	270.4449771	268.0676608	1.602473499	0.00	88	0.01
Tardbp	71.3	95.9	102.8	2639.8	2502.7	2001.6	71.3	84.95284078	99.23319603	268.5609661	358.1557012	323.6018514	1.895166698	0.00	58	0.02
Wdr46	71.3	88.7	84.1	1479.3	1081.4	1120.9	71.3	78.57473386	81.18202127	150.4970972	154.7566929	181.2176835	1.07417094	0.00	188	0.00
Myef2	22	30.5	25.6	1002.3	886.4	882.1	22	27.01836959	24.71176866	101.9693372	126.8506867	142.6105081	2.332766044	0.00	23	0.04
Hnrnpa0	50.7	62.7	56.9	2148.4	2109.4	1797.4	50.7	55.54268109	54.92576706	218.5682171	301.8714333	290.588513	2.331182678	0.00	25	0.04
Rps11	120.6	122.9	108.7	3012.5	2378.1	2496.9	120.6	108.8707417	104.9284865	306.4777295	340.3244788	403.6777891	1.651405269	0.00	83	0.01
Rpl32; Rpl32p	84.5	78.9	63.1	2168.5	2019.1	1791.5	84.5	69.89342166	60.91064854	220.6130976	288.9488058	289.6346506	1.892174769	0.00	59	0.02
Rpl13a	116.9	134.6	133.3	3123.6	2648.2	2631.7	116.9	119.2351655	128.6749517	317.7805265	378.9778751	425.4711192	1.621150124	0.00	87	0.01
Rbm22	4.7	5.6	11	569.7	573.5	512.8	4.7	4.960749826	10.6183381	57.95862656	82.07227979	82.90519054	3.458565559	0.00	5	0.22
Mrps31	50.6	67.4	69.9	2157.3	2098.7	1818.4	50.6	59.70616755	67.4771209	219.4736617	300.3401806	293.9836164	2.194569605	0.00	37	0.03
Rpl3	599.8	664.3	691.4	15362.4	12631.9	12819.6	599.8	588.4689482	667.4108146	1562.899078	1807.72246	2072.565095	1.552503739	0.00	92	0.01
Prpf19	178.9	193.6	191.5	4405.4	4160.5	3197.3	178.9	171.5002083	184.8556132	448.1848929	595.3996863	516.9125696	1.543705235	0.00	93	0.01
Mrpl28	69.7	81.2	86.4	2785.9	2684.1	2405.2	69.7	71.93087248	83.40221923	283.4245002	384.1154423	388.8525045	2.230936817	0.00	33	0.03
Rpl4	497.1	543.4	538.2	10035.7	8093.3	8075.9	497.1	481.3699028	519.526324	1020.985411	1158.213744	1305.643581	1.218059562	0.00	163	0.01
Rpf1	32	35.5	40.8	857	803.6	654.9	32	31.444761051	39.3843813	87.18719144	115.0013671	105.8787233	1.582956302	0.00	91	0.01
Rpl8	293.8	230.9	275.3	5143.8	4301.9	3868.1	293.8	204.5423455	265.7480435	523.3062723	615.6351185	625.3618712	1.207283345	0.00	165	0.01
Rpl14	125.2	147.2	142.6	2851.5	2413.9	2339.9	125.2	130.3968526	137.6522739	290.0983389	345.4477353	378.2953497	1.36631655	0.00	121	0.01
Gemin5	241.9	293.8	254.2	3813.4	2386.6	2257.3	241.9	260.2621963	245.3801404	387.9575681	341.5408944	364.9412765	0.549965327	0.00	321	0.00
Ncl	952.5	1142.9	1148.3	35338.8	26103.2	29685.7	952.5	1012.435889	1108.457967	3595.205042	3735.569545	4799.334272	1.980687932	0.00	55	0.02
Hnrnpa2b1	349.8	502.3	496.7	16820.9	15467.4	14993.9	349.8	444.9615425	479.4662302	1711.28008	2213.504412	2424.08763	2.316877132	0.00	29	0.04
Dhx15	490	487.9	498.2	7429.6	6021.2	5600.6	490	432.2053286	480.9141854	755.8529259	861.6802286	905.4578981	0.846497191	0.00	247	0.00
Gnl2	171.9	187	193.2	3804	3235.1	3137.1	171.9	165.6536103	186.4966291	387.0012558	462.9677983	507.17994	1.372802084	0.00	119	0.01
Pnn	105.2	117.6	115.3	3851.7	3366.2	3437.3	105.2	104.1757464	111.2994893	391.8540318	481.729221	555.7137509	2.156120885	0.00	41	0.03
Dgcr8	3.5	11.9	7.2	224.4	166.1	159	3.5	10.54159338	6.950184936	22.82941162	23.77019298	25.70578256	1.78427875	0.00	66	0.02
Sart1	81.7	110.1	115.4	2068.3	1839.6	1412.7	81.7	97.53188498	111.3960197	210.4192159	263.2609693	228.393453	1.272494128	0.00	143	0.01
Ddx50	11.7	10.9	14.8	244.8	204.8	186.5	11.7	9.655745198	14.28649126	24.90481268	29.3084619	30.15175124	1.243057177	0.00	154	0.01
Noc3l	82.2	99.5	91.5	1358.3	1168.3	990.2	82.2	88.14189424	88.3252669	138.1871203	167.1927541	160.0872069	0.847582232	0.00	246	0.01
Hist3h2a	35.9	29	39.5	2027.8	2061.6	1852.5	35.9	25.68959732	38.1294868	206.2989344	295.0308841	299.4966175	3.005548062	0.00	6	0.22
Syncrip	347.1	433	423	9511.6	8925.6	7897.1	347.1	383.5722634	408.323365	967.6659161	1277.322303	1276.736701	1.628520015	0.00	85	0.02
Thrap3	405.4	468.6	472.9	14847.3	12754.1	13322.8	405.4	415.1084587	456.4920078	1510.495201	1825.210224	2153.918238	2.103948198	0.00	46	0.03
Mrpl19	60.7	73.7	59.6	1599.5	1561.5	1225.4	60.7	65.28701111	57.53208642	162.7256858	223.4627112	198.1123644	1.670780968	0.00	78	0.02
Mrps34	62.6	88.9	71.9	1637.9	1549.1	1285.4	62.6	78.75190349	69.40531901	166.6323231	221.6881755	207.8126598	1.500052549	0.00	99	0.01
Upf1	421.3	445.7	454.4	7286.1	6096.2	5771.5	421.3	394.8225353	438.6338937	741.2539038	872.4133079	933.0875726	1.021252717	0.00	204	0.01
Coil	32.2	37	32.4	639.4	521	525.7	32.2	32.77638278	31.27583221	65.04958017	74.55912427	84.99075403	1.222462803	0.00	162	0.01
H2afv	61.5	56.4	57	2181	2140.3	1972.3	61.5	49.96183754	55.02292741	221.8847894	306.293462	318.8648738	2.34705072	0.00	22	0.07
Rps27a; Rps27a-ps2; LOC10004201	157.7	173.7	183.4	3296.1	2318.5	2536.4	157.7	153.8718294	177.0366552	335.3298736	331.7952584	410.0638169	1.140520513	0.00	177	0.01
Ttn	15.7	21.8	19.4	704.3	648.7	648.5	15.7	19.3114904	18.72688719	71.65220412	92.83398065	104.8440251	2.32535139	0.00	27	0.06
Ddx54	100	118.2	99.3	2135.6	1967.7	1755.9	100	104.7072553	95.85463391	217.2660047	281.5930688	283.8791421	1.380867794	0.00	117	0.01
Igf2bp1	475.9	599.4	567	18353.5	18455.8	16149	475.9	530.9774011	547.3270637	1867.199671	2641.167535	2610.834481	2.195539162	0.00	36	0.04
Fip111	182.9	220.7	189.4	2746.1	2229.4	2072	182.9	195.5066941	182.828476	279.3754334	319.0443602	334.9835312	0.733895187	0.00	278	0.01
Mrps10	67.3	74.8	66.5	1026.3	895.8	713.1	67.3	66.26144411	64.19268031	104.4109855	128.1958993	115.2880097	0.814943723	0.00	260	0.01
Raly	162.5	310.4	210.8	7973.7	7985.9	6973.9	162.5	274.9672761	203.4859701	811.2071277	1142.786731	1127.48149	2.265330221	0.00	32	0.05
Cpsf2	105.2	111	109.7	1378.5	10											

Pelp1	45.5	52.5	50	618.4	487.3	453.1	45.5	46.50702962	48.26517317	62.91313791	69.73639397	73.25339671	0.553735206	0.00	319	0.01
Srsf5	78.7	76.3	109.2	1651.4	1114	1079.1	78.7	67.59021639	105.4111382	168.0057502	159.4220047	174.4598111	0.995651224	0.00	207	0.01
Sic25a5	221.5	238.3	233.8	4667.1	4332.5	3957.7	221.5	211.0976221	225.6879497	474.8090329	620.0142148	639.8476455	1.397876494	0.00	112	0.02
Rpl19; Rpl19-ps11	134.5	127.5	145.8	2807.1	2440.1	2397.7	134.5	112.9456434	140.741245	285.5812895	349.1971577	387.6399675	1.397162431	0.00	113	0.02
Rpl2	37.1	44.2	48.6	898.2	865.8	699.3	37.1	39.1544897	46.91374832	91.37868769	123.9026676	113.0569418	1.414552765	0.00	110	0.02
Mrpl27; Gm6304	18.9	15.4	18.4	857.6	822.5	839.8	18.9	13.64206202	17.76158373	87.24823265	117.7061031	135.7718	2.75987747	0.00	9	0.23
Pcbp1	18.3	29.3	30.5	568.8	517.2	468.3	18.3	25.95535177	29.44175563	57.86706475	74.01531492	75.71080486	1.494079179	0.00	101	0.02
Rexo4	53.9	69.6	54.6	1211.1	1147.5	1015.5	53.9	61.65503356	52.7055691	123.2116774	164.2161134	164.177498	1.424364965	0.00	109	0.02
Hist1h1d	182.6	198.7	198.9	7903.1	6440.3	7414.2	182.6	176.018034	191.9988589	804.0246122	921.6566757	1198.665491	2.408993624	0.00	21	0.10
LOC100044829; Fbl; LOC102643266	286.1	317.1	315	5148.5	4336.3	4242.7	286.1	280.9024589	304.070591	523.78444284	620.5580242	685.9240482	1.071188115	0.00	192	0.01
Thoc2	210.5	302.9	324.1	4617.1	3532.6	3346.7	210.5	268.3234147	312.8548525	469.7222656	505.5423463	541.066305	0.937598482	0.00	221	0.01
U2af1	78.1	96.1	77.4	1220	1071.3	900.4	78.1	85.13001041	74.71448806	124.117122	153.3113049	145.5690982	0.830024124	0.00	254	0.01
Srsf9	35.8	47.9	51.2	1283.9	1213.7	1184	35.8	42.43212798	49.42353732	130.6180106	173.6898448	191.4191607	1.957288319	0.00	56	0.04
Snrpb	195.5	234.2	239.2	3450.8	3083.8	2476.9	195.5	207.4656445	230.9005884	351.0683317	441.3155997	400.4443574	0.912136057	0.00	229	0.01
Mug1	5.3	4.5	8	472.2	444.3	482.1	5.3	3.986316825	7.722427707	48.03943034	63.58276183	77.94187278	3.478336943	0.00	4	0.57
Srrm2	345.4	438.4	383.3	388.3558436	5350.3	5325.4	345.4	388.3558436	370.0008175	657.0170374	765.6692564	860.965877	1.048920782	0.00	197	0.01
Rpl15	132.3	165.8	151.5	3719.6	3211.2	3387.1	132.3	146.8736288	146.2434747	378.4147926	459.5475237	547.5978371	1.703519404	0.00	74	0.03
Mrpl13	126.8	137.1	135.6	2426	2331.5	1929.8	126.8	121.4497859	130.8951496	246.8099492	333.6556588	311.9938313	1.235037151	0.00	158	0.02
Xab2	80.3	90.5	72.8	1508.9	1274.6	1284.6	80.3	80.16926059	70.27409213	153.5084634	182.4051052	207.6833225	1.236248118	0.00	157	0.01
Atp1b1	27.8	35.3	27.3	534.4	496.8	435.4	27.8	31.27044087	26.35278455	54.36736885	71.09591735	70.3918096	1.197086388	0.00	167	0.01
Dap3	165.9	241.3	216.3	3166.6	2718.1	2361.1	165.9	213.7551666	208.7951391	322.1551463	388.981105	381.7227874	0.893114838	0.00	236	0.01
Hnrmpu	1431.3	1777.3	1597.7	29734.7	26657.1	25611.3	1431.3	1574.417976	1542.265343	3025.06999	3814.836913	4140.619552	1.27168357	0.00	144	0.02
Snrmp40	61.7	47.8	58.8	1338.8	1299.6	1177.8	61.7	42.34354316	56.75984364	136.2032811	185.9827983	190.4167968	1.672543781	0.00	77	0.03
Mrpl39	188.1	221	229.7	4548.8	4244.7	4051.1	188.1	195.7724485	221.7302055	462.7737415	607.4493566	654.9477718	1.510295828	0.00	97	0.03
Mrpl17	10.3	9.7	11.4	176.2	156.1	116.1	10.3	8.592727378	11.00445948	17.92576795	22.33911574	18.77007142	0.981559697	0.00	212	0.01
Hnrmpm	804.8	840.6	842.5	18435.2	15553.7	16588.2	804.8	744.6439829	813.2681679	1875.511449	2225.854609	2678.607211	1.520835709	0.00	96	0.03
Hnrnpc	480.6	562.3	580.7	9477	9051.1	7085.3	480.6	498.1124335	560.5517212	964.1458732	1295.282322	1145.491705	1.145380025	0.00	175	0.02
Rpl7a	387.8	428.3	450.1	8242.8	6759.7	7141	387.8	379.4087769	434.4830889	838.5841092	967.3652828	1154.496813	1.300747626	0.00	133	0.02
Fxr1	179.7	213.9	223.1	5311.8	4544.5	4917.4	179.7	189.4829264	215.3592027	540.3978104	650.3530523	795.0038689	1.764308529	0.00	68	0.04
Mrpl24	62.2	94.8	90.3	1953.4	1913.6	1747.8	62.2	83.97840778	87.16690274	198.7298247	273.8509409	282.5696022	1.694297473	0.00	75	0.04
Erh	23.8	41.2	45.6	804.6	673.7	482.3	23.8	36.49694515	44.01783793	81.85625932	96.41167375	77.97420709	1.296564127	0.00	136	0.02
Nol9	83.5	95.8	95.3	1854	1516.7	1634.7	83.5	84.86425596	91.99342006	188.6173313	217.0514852	264.2845456	1.363565726	0.00	123	0.02
Tra2b	132.3	138.8	131.2	2201.7	2108.8	1688.2	132.3	122.9557278	126.6478144	223.9907111	301.7855687	271.963946	1.062710726	0.00	194	0.02
Top2a	712.7	814.6	808.6	12947.6	10489.1	10880	712.7	721.6119301	780.5443805	1317.228565	1501.071229	1758.986882	1.047279544	0.00	198	0.02
Prpf40a	214.1	255.4	280.5	3299.9	2501.9	2219.4	214.1	226.245626	270.7676215	335.716468	358.041215	358.8139233	0.565767145	0.00	314	0.01
H2afx	5.9	9.2	9.8	317.3	343	223.6	5.9	8.149803286	9.459973941	32.28062526	49.08594938	36.14976717	2.321528618	0.00	28	0.11
Rpl18a	127	143.8	166.8	4149.4	3321	3855.4	127	127.3849688	161.0126177	422.1406443	475.2607519	623.308642	1.872180354	0.00	61	0.05
Rps5	121	142.9	131.8	1787.7	1357.9	1383.4	121	126.5877054	127.2269965	181.8722779	194.3259786	223.6564754	0.67843562	0.00	288	0.01
Hist1h2ak	18.5	18.1	14.7	768.7	872.5	771.1	18.5	16.03385212	14.18996091	78.2039604	124.8614893	124.6649618	2.749810608	0.00	10	0.33
G3bp2	160.2	164.6	170.1	3396.3	2440.6	2855.8	160.2	145.810611	164.1981191	345.5237553	349.2687115	461.7017222	1.298384787	0.00	135	0.02
Igf2bp3	269.1	351.5	396.5	7647.3	7912.2	6543.4	269.1	311.3756364	382.7428232	778.0007107	1132.296935	1057.881872	1.623643404	0.00	86	0.04
Ppnh; Gm11585	19.2	21.6	14.7	274	245	192.7	15.8	19.13432076	14.18996091	27.87548478	35.06139241	31.15411509	0.937620303	0.00	220	0.02
Rpl10a	195.5	228.5	247.7	4414.1	3714.3	3924.6	195.5	202.4163099	239.1056679	449.0699904	531.5450198	634.4963159	1.342218558	0.00	125	0.03
Matr3	447.8	516.7	538.5	10122.7	10260.1	8820.5	447.8	457.7177563	519.815915	1029.836386	1468.29956	1426.024246	1.461084242	0.00	105	0.03
Ddx1	130.3	151.9	128.5	1929.4	1748.9	1375.6	130.3	134.560339	123.8484343	196.2881764	250.2810987	222.395437	0.78324044	0.00	265	0.01
Rps23	269.7	279.8	278.5	4657.6	3854.6	3995.1	269.7	247.8603217	268.8370145	473.8425471	551.6230334	645.8941629	1.087691953	0.00	185	0.02
Mybbp1a	1094.2	1238.2	1211.3	16419.3	13405.1	13184.4	1094.2	1096.857221	1169.272085	1670.423165	1918.373353	2131.54289	0.767498129	0.00	268	0.01
Srsf10	67.3	112.1	118.3	2927.8	2529.3	2820.5	67.3	99.30358135	114.1953997	297.8607457	361.9623667	455.9947151	1.990491901	0.00	54	0.07
Hnrmpk	329.1	395.9	367.1	6670.8	6544.2	5845.1	329.1	350.7072958	354.3629014	678.6561455	936.5255683	944.9866015	1.307765027	0.00	130	0.03
Ftsj3	165.2	192.8	179.8	5387.2	4440.6	5214.6	165.2	170.7915297	173.5615627	548.0686555	635.4841598	843.052665	1.991760887	0.00	53	0.07
Rplp2	55.9	61	67	1224.8	1019.2	1099.8	55.9	54.03673918	64.67533204	124.6054517	145.8553924	177.8064129	1.360205826	0.00	124	0.03
Hist1h3i; Hist1h3a; Hist1h3g; Hist1h3	92.1	62.3	73.8	2918.2	2793.2	3008.5	92.1	55.18834182	71.2393956	296.8840864	399.7284951	486.3889738	2.436563655	0.00	20	0.19
Ilf3	495.9	658.4	662	9736.7	8942.1	8028	495.9	583.2424439	639.0308927	990.5665425	1279.68358	1297.899512	1.054300529	0.00	195	0.02
Rpl11	47.5	58.5	51	963.5	851.7	872.4	47.5	51.82211872	49.23047663	98.02200578	121.8848486	141.0422937	1.280821789	0.00	139	0.03
Prpf4b	83.3	149.8	92.6	1899.7	1616.9	1488.8	83.3	132.7000579	89.38710071	193.2666366	231.3908792	240.6966608	1.123483112	0.00	180	0.02
Nono	149.8	214.9	187.5	2398.9	1937.6	1700	149.8	190.3687746	180.9943994	244.0529213	277.2855263	274.8417003	0.611359755	0.00	303	0.01
Egf	28.1	32.4	23.1	385	326.6	273.8	28.1	28.70148114	22.29851	39.16810817	46.7389827	44.26568091	0.718678274	0.00	282	0.01
Hnrmpd	264.8	337.3	317.2	6923.6	6645.8	6667.6	264.8	298.7965922	306.1942586	704.3748409	951.0653131	1077.961483	1.651957022	0.00	82	0.05
Ddx39b	101.6	129.8	138.7	1981.6	1578	1626.4	101.6	114.9830942	133.8875904	201.5987614	225.8239887	262.9426714	0.978066432	0.00	214	0.02
Pgam5	62.2	74.6	75.8	952.5	841	706.1	62.2	66.08427447	73.17000252	96.90291698	120.353596	114.1563086	0.718176983	0.00	283	0.01
Snw1	259.1	269.6	286.4													

Tra2a	81.5	107.7	88.7	1377.9	1253.1	922.6	81.5	95.40584934	85.6224172	140.1811331	179.3282891	149.1582075	0.836092386	0.01	253	0.02
Pphl1n	335.5	433.9	327	6381.7	6139.4	5688.1	335.5	384.3695267	315.6542325	649.244457	878.5955616	919.6041621	1.240915301	0.01	155	0.03
Nsa2; LOC636306; LOC102642514	143.4	160.9	145.3	2575.4	2535.3	2290.7	143.4	142.5329727	140.2585932	262.0092098	362.821013	370.3411076	1.223442881	0.01	161	0.03
Hnmpab	357.4	627.5	600.5	18585.5	17278.7	19487.8	357.4	555.869735	579.6647297	1890.802271	2472.715433	3150.623581	2.331457406	0.01	24	0.20
Nolc1	58.2	58	67.3	1353.5	1040.4	1228.8	58.2	51.37919463	64.96492308	137.6987907	148.8892762	198.6620478	1.475136816	0.01	103	0.05
Rps15	60.9	61.1	67.5	1440.3	1078.3	1303	60.9	54.125324	65.15798378	146.5294187	154.2701266	210.6580797	1.50514935	0.01	98	0.05
Ppig	94.9	104.7	99.7	1420	1214.4	862.3	94.9	92.74830479	96.2407553	144.4641912	173.7900202	139.4094107	0.688960368	0.01	286	0.02
Sic16a3	14.1	18.1	26.4	460	376.3	416.3	14.1	16.03385212	25.48401143	46.79825912	53.85143659	67.30388226	1.594442297	0.01	90	0.05
Nol11	14.3	11.8	12	270.2	252.2	258.6	14.3	10.45300856	11.58364156	27.48889046	36.09176803	41.80827276	1.53626023	0.01	94	0.05
Rpl12	174.7	211.9	207.1	2919.4	2557.7	2483.6	174.7	187.71123	199.9143473	297.0061688	366.026626	401.527557	0.920780167	0.01	224	0.02
Mmps5	170.1	137	159.5	2540.4	2298.7	2164.5	170.1	121.3612011	153.9659024	258.4484727	328.9617255	349.9381531	1.073395957	0.01	190	0.03
Mmps22	156.4	339.2	206.3	4399.2	4065.5	3451.4	156.4	300.4797038	199.1421045	447.5541337	581.8044525	557.9933203	1.27480632	0.01	142	0.04
Hnmp1	254.2	312.8	314.9	6742.3	7245	6683.4	254.2	277.0933117	303.9740606	685.9302227	1036.815461	1080.515894	1.746796383	0.01	70	0.08
Cdc5l	142.3	182.3	180.6	2618.1	2482	2244.7	142.3	161.4901238	174.3338055	266.3533091	355.1933713	362.9042145	1.041934633	0.01	200	0.03
Rpl37a	54.6	56.3	64.6	1206.8	1025.6	1144.8	54.6	49.87325272	62.35860373	122.7742154	146.7712819	185.0816344	1.446288989	0.01	106	0.05
Srsf7	137.1	161.9	221	2882.8	2536.3	2261.6	137.1	143.4188209	213.3320654	293.2826552	362.9641207	365.6364644	1.04908296	0.01	196	0.03
Ybx1	121.5	159.3	151.4	1779.5	1457.1	1323.1	121.5	141.1156156	146.1469444	181.038048	208.5222648	213.9076786	0.562014191	0.01	317	0.02
Rpl6	445	557	479.9	9127.6	7993.3	8597.8	445	493.4174381	463.2491321	928.5995433	1143.9029771	1390.019983	1.304680245	0.01	131	0.04
Bcas2	20.2	24.3	22.2	312.6	287.8	264.3	20.2	21.52611085	21.42973689	31.80246913	41.18640301	42.72980082	0.873633456	0.01	241	0.02
Rps24; LOC677113; LOC102642752	130.2	155.7	151	2074.8	1662.2	1734.4	130.2	137.9265621	145.760823	211.0804957	237.8736591	280.403203	0.817387577	0.01	257	0.03
Mmps2	54.6	70.6	63.2	880.7	837.7	712.7	54.6	62.54088174	61.00717888	89.59831914	119.8813405	115.2233411	0.866043939	0.01	243	0.02
Srpk2	6.2	11.4	12.8	185.7	133.6	137.9	6.2	10.09866929	12.35588433	18.89225373	19.11919194	22.29451204	1.073536113	0.01	189	0.03
Ythdc1	262.5	345	420.2	5102.8	4106.6	3730.4	262.5	305.6176232	405.6205153	519.1351231	587.6861799	603.0996934	0.812323915	0.01	261	0.02
L1td1	436.5	509.9	519.5	8570.5	7862.8	8143.5	436.5	451.6939887	501.4751492	871.9227821	1125.227413	1316.57258	1.253711476	0.01	149	0.04
Ncbp1	165.4	160.8	207.6	2535.6	1868.4	1524.9	165.4	142.4443879	200.396999	257.9601431	267.3824718	246.5330052	0.602854529	0.01	305	0.02
Ctcf	74.1	80.8	75.2	997.9	889.9	824.1	74.1	71.57653321	72.59082044	110.5217017	127.3515637	133.233556	0.730318993	0.01	279	0.02
Zfp568	55.8	62.7	72.7	1039.7	878.2	926.3	55.8	55.54268109	70.17756179	105.7742391	125.6772033	149.7563924	1.070447326	0.01	193	0.03
Hnmpd1; Hnmpd11; Hnmpd1	132	215.6	187.4	2918.5	2795	2574.3	132	190.9888683	180.897869	296.914607	399.986089	416.1911701	1.143401277	0.01	176	0.04
Msi2	25.1	28.1	30.6	346.3	297.4	246.8	25.1	24.89233395	29.53828598	35.23095029	42.56023716	39.90054802	0.565402694	0.01	315	0.02
Smarrcc1	22.4	20.6	21.6	291	237.5	236.9	22.4	18.24847258	20.8505481	29.60498566	33.98808448	38.2999993	0.728420426	0.01	280	0.03
Ptbp1	111.7	141.5	121.5	2099.3	2132.3	1982.7	111.7	125.3475179	117.2843708	213.5730117	305.1486002	320.5462584	1.244030042	0.01	153	0.05
Exosc10	71.2	68.6	71.9	1454.5	1241.4	1432.2	71.2	60.76918537	69.40531901	147.9740606	177.6539287	231.5460489	1.468246998	0.01	104	0.07
Rrp1b	219.3	247	219.8	3324.1	2787.1	2922.3	219.3	218.8045013	212.1737012	338.1784633	398.8555379	472.4528828	0.895266154	0.01	235	0.03
Safb	192	217.3	189.4	3806.8	4044.7	3796.6	192	192.4948102	182.828476	387.2861148	578.8278118	613.8023526	1.477605124	0.01	102	0.07
Mrlp121	47.2	62.3	57.2	877.5	834	811.4	47.2	55.18834182	55.2153581	89.27276603	119.3518419	131.1803268	1.1084054	0.01	182	0.04
Hnmpf	117.9	124.7	131.3	1763.9	1588.4	1539.5	117.9	110.4652685	126.7443447	179.4509766	227.312309	248.8934104	0.884676197	0.01	238	0.03
Ebna1bp2	307.7	315.3	343.5	4564.4	4165	3961.3	307.7	279.3079322	331.5817397	464.3608129	596.043671	640.4296632	0.888749999	0.01	237	0.03
Surf6	119.5	91.2	80.8	1717.6	1356.9	1478.3	119.5	80.78935432	77.99651984	174.7406301	194.1828709	238.9991092	1.127319998	0.01	179	0.04
Ilf2	151.2	192.8	158.5	2060.4	1727.8	1639.8	151.2	170.7915297	153.0005989	209.6155067	247.2615258	265.1090707	0.604067462	0.01	304	0.03
Rpl30; Rpl30-ps8; Gm12191	142.2	161.4	155.7	2232.4	1876.3	1978.5	142.2	142.9758968	150.2977492	227.1139862	268.5130228	319.8672377	0.905089286	0.01	232	0.03
Mrlp45	25.5	36.1	38.2	490.7	455.1	350.4	25.5	31.97911942	36.8745923	49.92153424	65.12832525	56.64972458	0.863735367	0.01	244	0.03
Ddx3x	623.4	682.1	652.8	9660.3	9946.8	7923.7	623.4	604.2370458	630.1501009	982.7939621	1423.46391	1281.037165	0.988977641	0.01	208	0.04
Hspd1	190.4	301	222.5	4166.8	3114.7	3630.2	190.4	266.6403032	214.7800206	423.9108393	445.7376284	586.9002003	1.116406562	0.01	181	0.04
Trim28	186.4	238.5	215.9	2933.8	2052.9	2282.9	186.4	211.2747917	208.4090177	298.4711578	293.7858469	369.0800692	0.665525068	0.01	291	0.03
2310008H09Rik; Knop1	153	163.6	139.6	2082.9	1621.1	1746.6	153	144.9247628	134.7563635	211.904552	231.9919316	282.3755963	0.747205928	0.01	272	0.03
Vdac1	146.7	180.2	181.7	2816.8	2499.3	2701.5	146.7	159.6298426	175.3956393	286.5681223	357.6691349	436.7557961	1.166074107	0.01	170	0.05
Pbrm1	90.4	97.6	107.8	1390	1223	1227	90.4	86.45878269	104.0597133	141.4121308	175.0207466	198.371039	0.873871413	0.01	240	0.04
Fmr1	84.2	99.5	102.8	1323.9	1154.1	1164	84.2	88.14189424	99.23319603	134.6874244	165.1606244	188.1857289	0.845629846	0.01	248	0.04
Gnl3	308.3	367.1	349.1	4292.4	3708.8	3594.4	308.3	325.1948681	336.9874391	436.6887988	530.7579273	581.1123574	0.674152612	0.01	289	0.03
Poldip3	28.4	33.1	37.9	627.4	636	397	28.4	29.32157487	36.58500126	63.82875602	91.01651255	64.1836206	1.215690888	0.01	164	0.06
Chtop	33.3	43.7	35.8	671.5	615.6	677.4	33.3	38.71156561	34.55786399	68.31528478	88.09711498	109.516334	1.319246022	0.01	128	0.05
Ostc	6.5	17.2	11.5	206.1	182	153.2	6.5	15.23658875	11.10098983	26.04560579	26.04560579	24.76808735	1.128261267	0.01	178	0.07
Hist1h1a	34.6	37	51.6	2020	1716.6	2384.3	34.6	32.77638278	49.80965871	205.5053987	245.6587192	385.4735683	2.835802251	0.01	7	1.42
Mak16	39.1	37.5	43.6	679.5	665.6	679.4	39.1	33.21930687	42.087231	69.12916754	95.25250118	109.8396772	1.261171379	0.01	146	0.07
Wtap	40.3	54.1	43.7	526.9	391.9	373.4	40.3	47.92438672	42.18376135	53.60435376	56.08391709	60.36817112	0.382979644	0.01	359	0.03
Pogz	20.6	28.6	16.1	333.6	310.9	290.1	20.6	25.33525804	15.54138576	33.93891139	44.49219143	46.9009278	1.027644855	0.01	203	0.05
Cwc22	31.6	44.9	40.2	508	440.5	424.3	31.6	39.77458343	38.80519923	51.68155572	63.03895248	68.59725497	0.734487065	0.01	277	0.04
0610009D07Rik; Sf3b14; Sf3b6	15.1	18.7	19.1	264.4	208.8	234.3	15.1	16.56536103	18.43729615	26.89882546	29.8808928	37.87965317	0.917858224	0.01	225	0.05
Zfp326	70.2	75.5	92.4	1122.9	1096.4	937.7	70.2	66.88153784	89.19404001	114.2386199	156.9033087	151.5994485	0.901694446	0.01	233	0.04
Rsl1d1	313.4	409.5	454	5591	5187.8	4871.2	313.4	362.7548311	438.2477724	568.802319	742.4142513	787.5346415	0.913260625	0.01	228	0.05
Hnmpul2	139.6	166.7	167.8	1994.2	1849.1	1653</										

Ssb	329.5	425.9	372.6	5036.7	4266.2	4441.7	329.5	377.2827413	359.6720704	512.4104167	610.5261727	718.0966943	0.787692873	0.01	263	0.04
Mrps6	53.1	44.1	40.2	728.4	777.6	669	53.1	39.06590488	38.80519923	74.10402596	111.2805663	108.1582927	1.16432274	0.01	171	0.07
Gltscr2; Nop53	41.8	72.6	57.2	802.4	678.9	661.2	41.8	64.31257811	55.2153581	81.63244156	97.15583391	106.8972543	0.824431681	0.01	257	0.04
Eif4a1	169	170.5	184.1	2482.7	1818.5	2083.8	169	151.0371153	177.7123676	252.5783433	260.2413963	336.8912559	0.771525417	0.01	265	0.04
Prpf8	985.7	1095.6	1129.6	12692.3	11036.5	10301.5	985.7	970.5352696	1090.406792	1291.255531	1579.408397	1665.459868	0.57424	0.01	312	0.04
Elavl1	253.2	301.6	304.3	6014.3	4200.3	3638.2	253.2	267.1718121	293.7418439	409.5254614	601.0953737	588.193573	0.973700355	0.01	216	0.05
Rrs1	207	215.5	204.9	2980.4	2737	2821.1	207	190.9002835	197.7906796	303.2120249	391.685841	456.0917181	0.9502388	0.01	219	0.05
Rbm15b	85.2	91.2	91.3	976.7	817.5	659.6	85.2	80.78935432	88.1322062	99.36491235	116.9905645	106.6385797	0.345988834	0.01	365	0.03
Ppil1	85.3	78.9	81.2	1245.4	1382.1	1101	85.3	69.89342166	78.38264122	126.7011998	97.7891855	178.0004188	1.105204762	0.01	183	0.07
Rplp0	364.3	433.5	406	4905.8	3974.3	4088.6	364.3	384.0151875	391.9132061	499.0932599	568.753028	661.0104564	0.600495498	0.01	307	0.04
Mrps35	115.3	126.3	139.9	1687	1687.3	1445.1	115.3	111.8826255	135.0459545	171.6275285	241.4656629	233.6316124	0.836251563	0.02	252	0.05
Mrpl15	213.8	244.4	249.5	3105.1	3077.6	2771	213.8	216.501296	240.8432141	315.8984226	440.4283318	447.9919715	0.843521911	0.02	250	0.05
Rps13; Rps13-ps1; LOC102642137	103.5	100	69.1	3838.6	3497.4	4827.7	103.5	88.58481833	66.70246932	390.5212988	500.5049544	780.5019274	2.691329203	0.02	11	1.18
Mrpl49	61.4	64.1	62.7	751.3	700.7	623.4	61.4	56.78286855	60.52452715	76.43376538	100.2755823	100.7860682	0.634864598	0.02	298	0.04
Celf1	110.2	127.4	127.9	1557.4	1540.9	1351.5	110.2	112.8570586	123.462313	158.4426277	220.5146921	218.4991517	0.785897602	0.02	264	0.05
Mrps25	29.8	31.6	27.7	524.3	406.9	246.1	29.8	27.99280259	26.73890593	53.33984186	58.23053295	39.78737791	0.840398059	0.02	251	0.05
Rps3	366	458.4	445.7	4782.6	3896.9	3713.8	366	406.0728072	430.2357536	486.5594653	557.6764902	600.4159451	0.451975065	0.02	339	0.04
Plrg1	68.1	157.2	83.2	1754.5	1682.7	1233.7	68.1	139.2553344	80.31324815	178.4946644	240.8073674	199.4542386	1.104963573	0.02	184	0.08
Thoc5	54.8	72.8	64.6	835.2	705.8	756.4	54.8	64.48974774	62.35860373	84.9693609	101.0054317	122.2883895	0.763014316	0.02	269	0.06
Larp4	50.1	91.9	39.1	958.6	816.2	741.7	50.1	81.40944804	37.74336542	97.52350259	116.8045244	119.9118171	0.981703909	0.02	211	0.08
Gtf2i	5.7	8.4	7.9	112.4	90.8	107.8	5.7	7.44112474	7.62589736	11.43505288	12.99418135	17.42819723	1.01118943	0.02	205	0.08
Rpl13	221.9	187.8	151.4	2837.3	2538.1	2797.9	221.9	166.3622888	146.1469444	288.6536969	363.2217146	452.3409372	1.04706028	0.02	199	0.09
Hist1h1b	98.9	114.2	118.8	3712.2	3116.5	4675.9	98.9	101.1638625	114.6780514	377.6619511	445.9952223	755.9601803	2.327333903	0.02	26	0.72
Nxf1	249.9	360.6	311.4	3467.3	2804	2466.1	249.9	191.4368549	300.5954985	352.7469649	401.2740585	398.6983042	0.406066153	0.02	353	0.05
Thoc3	41.6	65.3	45.7	629.9	505.9	490.8	41.6	57.84588637	44.11436828	64.08309439	72.39819764	79.3484156	0.588237069	0.02	309	0.06
Gtbp4	390.6	442.3	443	5078	4459.3	4514.7	390.6	391.8106515	427.6294343	516.6120865	638.1602742	729.8987202	0.63925792	0.02	295	0.07
Rpl7	443.9	510.2	504.8	8556.4	7098.3	9178.4	443.9	451.9597431	487.2851883	870.4883137	1015.821558	1483.886507	1.284880323	0.02	138	0.14
Mrpl41	24.8	24.5	27.9	290.4	251.3	222.8	24.8	21.70328049	26.93196663	29.54394445	35.96297107	36.0204299	0.467323763	0.02	335	0.06
Rpl5	146.7	173.8	155.7	1749.2	1513.7	1445	146.7	153.9604143	150.2977492	177.9554671	216.622162	233.6154453	0.47821444	0.02	334	0.06
D19Bwg1357e; Pum3	223.8	235.5	230.8	2868.7	2574.4	2685.7	223.8	208.6172472	222.7920393	291.8481868	368.416525	434.201385	0.740199555	0.02	274	0.07
Esf1	60.2	65.4	61.3	788	686.1	741	60.2	57.93447119	59.1731023	80.16745257	98.18620953	119.798647	0.74979535	0.02	271	0.08
Crml1	173.8	204.3	173.1	2071.5	1843.7	1768.3	173.8	180.9787838	167.0940295	210.744769	263.847711	285.8838698	0.543205134	0.02	325	0.06
Phb2	215.5	232.5	242.2	2863.6	2408.4	2596.6	215.5	205.9597026	233.7964988	291.3293365	344.6606428	419.7964465	0.688187015	0.02	287	0.07
Hist4h4; Hist1h4a; Hist1h4k; Hist1h4l	134.1	257.4	136.8	2990	2729.5	3186.4	134.1	228.0173224	132.0535138	304.1886843	390.612533	515.1503493	1.291867522	0.03	137	0.16
Ssbp1	7.8	11.3	6.5	108.4	96.2	84.3	7.8	10.01008447	6.274472512	11.0281115	13.76696306	13.6289149	0.673898931	0.03	290	0.08
Mrps9	170.7	212.9	207.1	2146.6	1834.7	1714.3	170.7	188.5970782	199.9143473	218.3850935	262.5597415	277.153604	0.438991357	0.03	340	0.07
Vdac2	37	34.4		495.8	474.8	436.9	37	30.47317751	45.27273243	50.4403845	67.94754742	70.63431698	0.745480959	0.03	273	0.09
Igf2bp2	100.7	113.7	113.3	1223.3	1196.8	1041.7	100.7	100.7209384	109.3688824	124.4528486	171.2713242	168.4132937	0.578612908	0.03	311	0.08
Hnrnpa1	861.6	1039.9	1025.8	11926.8	11202.8	11570.7	861.6	921.1935258	990.2082927	1213.377124	1603.207212	1870.653448	0.757289422	0.03	270	0.09
Imp3	91.9	109.5	97.3	1199.7	1116	758.4	91.9	97.00037607	93.92402698	122.0518945	159.7082201	122.6117327	0.515775953	0.03	331	0.08
Sf3a3	131.7	145.2	146.1	1606	1383	1427	131.7	128.6251562	141.030836	163.3869655	197.9179825	230.7053567	0.560739851	0.03	318	0.09
U2surp	315.4	403	380.9	4339	3388.2	3773.4	315.4	356.9968179	367.6840892	441.4296659	484.8775909	610.0515717	0.562819449	0.04	316	0.09
Skiv2l2	229.6	260.1	274	2904.5	2443.4	2554	229.6	230.4091125	264.493149	295.4903122	349.6694132	412.9092368	0.546371564	0.04	323	0.09
Rbm34	84	97.3	99.4	1083.7	961.8	1003.8	84	86.19302823	95.95116426	110.2505944	137.6410091	162.2859405	0.624040425	0.04	301	0.10
Hspa8	697.9	841	732.2	8382.3	6516.7	6964.8	697.9	744.9983221	706.7951959	852.77619	932.5901059	1126.010279	0.437570469	0.04	342	0.09
Tecr	66.4	61.6	73.2	978.2	804.9	496	66.4	54.56824809	70.66021352	99.51751537	115.1874072	80.18910785	0.621884765	0.04	302	0.10
Wdr12	34.2	37.5	27.3	375.6	362.5	287.4	34.2	33.21930687	26.35278455	38.21179592	51.87655	46.46441451	0.542227964	0.04	326	0.10
Mrpl44	21.8	25.2	26.2	296.9	293.5	309.4	21.8	22.32374422	25.29095074	30.2052242	42.00211703	50.02118946	0.816275754	0.04	259	0.13
Hnrnpa3	552.7	659.3	651.4	9722.3	9642.9	12288.5	552.7	584.0397072	628.798676	989.1015535	1379.973473	1983.467882	1.301750335	0.04	132	0.26
Hspa5	360.1	392.3	354	4231.1	2926.6	3318.6	360.1	347.5182423	341.717426	430.4524221	418.8190655	536.5233333	0.401237419	0.04	355	0.10
H1f0	19.9	29	20.9	278.7	236.5	258.2	19.9	25.68959732	20.17484238	28.3536409	33.84497676	41.74360413	0.6604022	0.04	293	0.12
Snrbp2	45.9	45.3	37.4	467.7	424.3	345.4	45.9	40.1289227	36.10234953	47.58162128	60.72060735	55.84136664	0.426525803	0.04	345	0.10
Ddx27	296.3	331	336.5	3461.9	3270.1	3112	296.3	293.2157487	324.8246154	352.197594	467.9765687	503.1219832	0.533332749	0.04	328	0.11
Mfap1a; Mfap1b	105.4	135	124.3	1431.4	1448.8	1506.5	105.4	119.5895047	119.9872205	145.6239741	207.3344707	243.558248	0.790063481	0.04	262	0.14
Rbm10	129.7	108.6	116.9	1316.5	1231.2	1094.2	129.7	96.20311271	112.8439749	133.9345829	176.19423	176.901052	0.523801699	0.05	330	0.11
Hsp90ab1	478.1	580.2	578.3	8371.1	5887.6	8477.3	478.1	513.9691159	558.2349929	851.6367541	842.5610366	1370.538556	0.983211724	0.05	210	0.28
Rpl29; Gm8210	155.2	161.8	146.7	2454.3	2171.3	2994.5	155.2	143.3302361	141.6100181	249.6890595	310.7298014	484.1255715	1.246838634	0.05	152	0.15
Rbm19	75.7	92.9	82.2	874.3	737.3	737.5	75.7	82.29529623	79.34794469	88.94721293	105.513325	119.2327965	0.402379909	0.05	354	0.11
Hsp90aa1	173.7	214.6	193.2	2452	1744.5	2204.9	173.7	190.1030201	186.4966291	249.4550682	249.6514248	356.4696853	0.636678905	0.05	296	0.13
Fubp1	18.7	31.2	33.3	341.3	383.4	304.8	18.7	27.63846332	32.14460533	34.72227356	54.86750143	49.27750015	0.823253304	0.05	256	0.16
Akap8	43.5	51.8	45.4	520.5	462.6	323.6	43.5	45.88693589	43							

Hsp90b1	303.5	329	383.6	4076.2	2957.1	3551.7	303.5	291.4440523	370.2904085	414.693617	423.183851	574.2089806	0.548877085	0.06	322	0.16
Slc2a3	40.9	66.2	46.5	562.5	496.7	471	40.9	58.64314973	44.88661105	57.22613207	71.08160658	76.14731814	0.501415695	0.06	332	0.16
Clk4	5.1	6.4	8.2	78.2	72.1	53.8	5.1	5.669428373	7.915488399	7.95570405	10.31806691	8.697931457	0.529572448	0.07	329	0.17
Eef1b2	129.4	134.1	131.1	1849.4	1287.7	1913.6	129.4	118.7922414	126.551284	188.1493487	184.2798164	309.3747516	0.863453335	0.07	245	0.23
Larp7	65.3	140.5	77.9	1202.2	983.2	902.2	65.3	124.4616698	75.19713979	122.3062328	140.7035144	145.8601071	0.625873602	0.07	300	0.20
Rrp12	422.9	511.6	498.1	4690.8	3624.6	3328.4	422.9	453.1999306	480.8176551	477.2201606	518.7082569	538.1077149	0.176999365	0.07	408	0.15
Nup188	18	21.2	17.1	184.3	158	145.6	18	18.77998149	16.50668922	18.74982425	22.61102041	23.53938327	0.284448847	0.07	380	0.16
Pabpn1	193.2	209	221.4	2147.5	1909.6	1976.1	193.2	185.1422703	213.7181868	218.4766553	273.27851	319.4792259	0.454374313	0.07	338	0.18
Rbm27	72.5	92.2	71.5	905.2	561.8	621.3	72.5	81.6752025	69.01918763	92.09083511	80.39791942	100.4465579	0.290258232	0.08	377	0.17
Sec61a1	15.8	12.2	8.7	162.7	126.6	157.7	15.8	10.80734784	8.398140131	16.55234078	18.11743788	25.49560949	0.781352657	0.08	266	0.24
Larp1	654.3	690.5	814.1	7627.9	5992	5073.2	654.3	611.6781706	785.8535495	776.027045	857.501483	820.1923024	0.258058703	0.08	390	0.17
Mrpl9	298.1	401.3	365.5	3531.2	3330.8	2745.3	298.1	355.490876	352.8184159	359.2478535	476.6632075	443.8370117	0.346642686	0.08	364	0.19
Fus	90.1	113.6	80.5	981.6	887.5	687.9	90.1	100.6323536	77.7069288	99.86341554	127.0081052	111.2138857	0.332791937	0.09	368	0.20
Supt16; Supt16h	172.5	200.2	181.2	1819.8	1548.5	1583.5	172.5	177.3468063	174.9129876	185.1379825	221.6023108	256.0069603	0.336801599	0.09	367	0.20
Idh3a	30.5	37.5	26.1	338.4	292.4	334.4	30.5	33.21930687	25.19442039	34.42724105	41.84469854	54.06297917	0.551745579	0.09	320	0.23
Mphosph10	189.5	205.6	207.4	1935.3	1696.6	1568.6	189.5	182.1303865	200.2039383	196.8884149	242.7965648	253.5980536	0.277847232	0.09	385	0.19
D4Wsu53e; Rsrp1	27.6	37.7	40.2	370.5	300	288.2	27.6	33.39647651	38.80519923	37.69294566	42.93231724	46.59375178	0.350178373	0.09	363	0.21
Chd4	326.6	396	366.6	3654.9	2866.8	3055.7	326.6	350.7958806	353.8802497	371.8325158	410.2612235	494.0198727	0.307326103	0.09	371	0.21
Rpl18	194.8	197.4	211.9	2100.8	1767.9	1995.4	194.8	174.8664314	204.5478039	213.7256147	253.0001455	322.5994875	0.4590308	0.10	337	0.24
Smarca5	353.5	260.8	289.7	3408.9	2988.9	3497.1	353.5	231.0292062	279.6484133	346.8056207	427.7346767	565.3817119	0.632749257	0.10	299	0.27
Rps14	102.2	103.3	108.5	1411.3	1129.1	1820.7	102.2	91.50811733	104.7354258	143.5790937	161.5829313	294.355461	1.006343792	0.10	206	0.42
Rps20	71	68.4	72.3	680.9	636.3	573.6	71	60.59201574	69.7914404	69.27159703	91.05944487	92.73482312	0.329567752	0.10	369	0.24
Csnk2a1	22.3	27.8	25.9	240.2	252.1	210.1	22.3	24.2625795	25.0013597	24.43683009	36.07745725	33.96720073	0.393479417	0.11	357	0.26
Khdrbs3	51.2	77.8	67.1	646.3	666.5	530.2	51.2	68.91898866	64.77186239	65.75155406	95.38129814	85.71827618	0.416967402	0.11	349	0.27
Uba2	50.5	33.1	34.4	484.7	376.2	499.4	50.5	29.32157487	33.20643914	49.31112216	53.83712582	80.73879126	0.70213941	0.12	285	0.34
Ddx56	91.3	116.5	92.5	962	816.2	802.2	91.3	103.2013134	89.29057036	97.86940276	116.8045244	129.6929482	0.279113047	0.12	384	0.26
Eftud2	561.4	686.3	649.1	6009.4	5558.6	5549.3	561.4	607.9576082	626.5784781	611.3683877	795.4785954	897.1641456	0.359411677	0.12	361	0.28
Ppan	123.8	170.6	141.2	1425.8	1170.2	1202.3	123.8	151.1257001	136.300849	145.0542562	167.4646588	194.3777508	0.301758265	0.12	373	0.27
Khdrbs1	278.7	206.1	133.9	2313.8	2331.7	2152.8	278.7	182.5733106	129.2541337	235.3952434	333.6842804	348.0465955	0.635116031	0.13	297	0.35
Dimt1	11.2	16.2	15.9	150.8	113.5	106.3	11.2	14.35074057	15.34832507	15.34169016	16.24272669	17.18568985	0.253929244	0.13	392	0.27
Eef2	60.1	70.5	62.7	651.6	538.9	638.4	60.1	62.45229692	60.52452715	66.29075139	77.12075254	103.211142	0.42985611	0.13	344	0.30
Cct4	165	226	232.4	2154.7	1746.6	1990	165	200.2016894	224.3365249	219.2091498	249.951951	321.726461	0.423887273	0.13	347	0.30
Nat10	374.4	419	358.4	3655.8	3041.6	3056.2	374.4	371.1703888	345.9647613	371.9240776	435.2764537	494.1007085	0.253596383	0.13	393	0.28
Utp14a	263.1	312.9	329.2	2915.1	2399.9	2291.8	263.1	277.1818966	317.7779001	296.5687069	343.4442272	370.5189463	0.235964741	0.13	395	0.27
Lrpprc	118.5	143.3	147.6	1319.6	1104.9	1124.6	118.5	126.9420447	142.4787912	134.2499625	158.1197244	181.8158683	0.289689448	0.14	378	0.30
Pwp1	88	85.6	102.1	883.8	820	729.6	88	75.82860449	89.55748361	89.91369871	117.3483338	117.9555909	0.309714209	0.14	370	0.31
Srbd1	44.5	50.7	57.1	488.6	429.2	418.5	44.5	44.91250289	55.11882776	49.70789001	61.4218352	67.65955975	0.306878011	0.14	372	0.32
Lmnb1	223.9	291.2	217.4	2314	2009.4	1927.5	223.9	257.958991	209.8569729	235.4155904	287.5606609	311.6219867	0.270902122	0.15	387	0.32
Acta1	2.1	4.7	5	40.8	43.6	50	2.1	4.163486461	4.826517317	4.150802113	6.239496772	8.083579421	0.736226913	0.15	276	0.46
Soat1	20.1	28.5	26.3	235.6	216.9	191.6	20.1	25.24667322	25.38748109	23.9688475	31.04006536	30.97627634	0.281681184	0.16	382	0.34
Rfc4	94.1	88.1	76.4	1004.5	862.6	1436	94.1	78.04322495	73.7491846	102.193155	123.4447228	232.160401	0.896684838	0.16	234	0.56
Ik	34.6	50.7	37.7	389.5	359.6	313.4	34.6	44.91250289	36.39194057	39.62591723	51.4615376	50.66787581	0.290467112	0.16	376	0.35
Zc3h14	106.1	112	107.4	1016.8	860.5	888.8	106.1	99.21499653	103.673592	103.4444997	123.1441966	143.6937078	0.261072436	0.16	388	0.34
Srrm1	585.8	680.1	663.9	6209.3	4534.1	4549.6	585.8	602.4653495	640.8649693	631.7052833	648.864732	735.5410587	0.140417258	0.16	414	0.32
Utp15	107.7	112.5	103.3	1013.3	874.3	759.3	107.7	99.65792062	105.7972596	103.088426	125.1190832	122.7572371	0.164448378	0.16	411	0.33
Thoc6	6	12.9	7.6	101.2	85.4	68.3	6	11.42744156	7.336306321	10.29561701	12.22139964	11.04216949	0.438478052	0.16	341	0.40
Rpl23; LOC100044627; LOC100862	205.1	223.8	207	1942.5	1675.6	1653.9	205.1	198.2528234	199.8178169	197.6209094	239.7913026	267.3886401	0.224649462	0.17	397	0.36
Mrpl4	10.8	13	17.3	135.5	135.7	114.5	10.8	11.51602638	16.69974992	13.78513937	19.41971817	18.51139687	0.406560185	0.17	352	0.41
C1qbp	21.8	18.6	19.6	186.2	183.9	194.2	21.8	16.47677621	18.91994788	18.94312141	26.31751047	31.39662247	0.422489806	0.17	348	0.42
Safb2	195.1	220	209.7	1871	1732.5	1646.1	195.1	194.8866003	202.4241363	190.3468322	247.9341321	266.1276017	0.249814666	0.18	394	0.38
Tuba1c	492.6	559.9	530.4	4926.7	4196.9	4614.5	492.6	495.9863978	511.996957	501.2195287	600.6088074	746.0335448	0.300333466	0.18	374	0.40
Mrto4	160.4	212.7	193.9	1729.7	1574	1578.3	160.4	188.4199086	187.1723415	175.9716278	225.2515578	255.166268	0.292339918	0.18	375	0.40
Nop16	5.1	11	7.5	82	74.1	64.6	5.1	9.744330016	7.239775975	8.342298364	10.60428236	10.44398461	0.412344679	0.19	350	0.44
Srsf2	74.6	86.1	91.2	961.4	663.3	1128.6	74.6	76.27152858	88.03567586	97.80836155	94.923335342	182.4625547	0.651187434	0.19	294	0.54
Sf3a1	283.2	347.8	321.7	2880.6	2592.8	2704.9	283.2	308.0979981	310.5381242	293.0588374	371.0497071	437.3054795	0.288419681	0.19	379	0.42
Canx	152.4	192.8	172.6	1567.7	1372.8	1222	152.4	170.7915297	166.6113778	159.4905018	196.4582837	197.562681	0.176411866	0.20	409	0.40
Ddx42	105.4	119.4	86.9	1026.5	767.4	786.2	105.4	105.7702731	83.88487097	104.4313326	109.8208675	127.1062028	0.210302655	0.20	401	0.41
Tomm70a	33.8	31.3	23.4	278	267.4	304	33.8	27.72704814	22.58810104	28.28242616	38.26700543	49.14816288	0.45992131	0.20	336	0.49
Rars	20.9	24.7	16.5	211.1	171.1	242.1	20.9	21.88045013	15.92750715	21.47633152	24.4857316	39.14069156	0.535649772	0.20	327	0.51
Rpl31	118.1	104	130	1201.1	915.3	805.1	118.1	92.12821106	125.4894502	122.194324	130.9864999	130.1617958	0.191385969	0.21	404	0.42
Mrpl22	38.5	51.1	39.4	387.5	368.6	415.1	38.5	45.26684217	38.03295646							

Utp23	10.2	4.5	4.4	69.4	67	67.4	10.2	3.986316825	4.247335239	7.060433006	9.588217517	10.89666506	0.579465067	0.26	310	0.70
Usp36	166.6	185.6	172.7	1575.1	1288	1330.4	166.6	164.4134228	166.7079081	160.2433433	184.3227487	215.0878812	0.169196885	0.26	410	0.54
Sf3b3	354.2	443	394.4	3528.9	3024.8	2854.1	354.2	392.4307452	380.7156859	359.0138622	432.872244	461.4268805	0.152815819	0.27	413	0.54
Ap2m1	6.7	21.4	7.9	135.2	110.7	129.2	6.7	18.95715112	7.62589736	13.75461877	15.84202506	20.88796922	0.601056163	0.27	306	0.73
Nop58	201.7	247.6	214.8	1967.6	1662.1	1689.8	201.7	219.3360102	207.3471839	200.1744666	237.8593483	273.1926501	0.178664412	0.27	407	0.56
Mrps11	3	4.9	4.9	39.8	39.7	30.5	3	4.340656098	4.72998697	4.049066767	5.681376648	4.930983447	0.280522976	0.29	383	0.63
Hist1h1e	94.6	124.2	115.4	1037.5	829.8	715.8	94.6	110.0223444	111.3960197	105.5504214	118.7507895	115.724523	0.10563554	0.30	420	0.59
1110037F02Rik; Virma	33.8	70.2	48	496	398	390.5	33.8	62.18654247	46.33456624	50.46073157	56.95687421	63.13275528	0.261048154	0.35	389	0.76
Magohb	19.1	31.7	25.8	239.8	183.1	206.1	19.1	28.08138741	24.90482935	24.39613595	26.20302429	33.32051437	0.219285649	0.36	399	0.74
Sap18; Gm10094; Sap18b	92.9	93	109.4	845.5	742.2	832.4	92.9	82.38388105	105.6041989	86.01723496	106.2145529	134.5754302	0.218444446	0.38	400	0.79
Ptges3; Gm9769; Ptges3-ps; LOC10	15.5	28.5	27.4	229.7	178.8	181.5	15.5	25.24667322	26.4493149	23.36860895	25.58766108	29.3433933	0.220631004	0.39	398	0.82
Rrp9	22.1	33.4	28.3	240.2	211.5	216.5	22.1	29.58732932	27.31808801	24.43683009	30.26728365	35.00189889	0.183253105	0.40	406	0.82
Rbpms2	251.2	285.1	286.5	2344.2	2084.5	1872.6	251.2	252.5553171	276.5594422	238.4879979	298.308051	302.7462165	0.105546769	0.43	421	0.84
Rps26; Rps26-ps1	87.9	103.7	79.6	787.7	675.3	608.7	87.9	91.86245661	76.83815568	80.13693197	96.64064611	98.40949587	0.100880993	0.45	426	0.87
Rpn1	118.7	155.2	151.3	1209.7	1045.4	990	118.7	137.483638	146.050414	123.0692479	149.6048148	160.0548725	0.105428371	0.50	422	0.98
Eno1; Gm5506; Eno1b	265.3	342.4	297.2	2500.7	2005.5	2694.8	265.3	303.314418	286.8881893	254.4095795	287.0025408	435.6725965	0.191711403	0.52	403	1.06
Wdr43	243.3	289.6	303.2	2359.5	2070.1	1930.1	243.3	256.5416339	292.6800101	240.0445487	296.2472997	312.0423328	0.098182356	0.52	427	1.01
Mcm5	16.8	12.1	17.9	137.7	120.6	115.1	16.8	10.17876302	17.27893199	14.00895713	17.25879153	18.60839983	0.15492556	0.54	412	1.09
Snrpd3	50.8	63.6	48.2	451.6	386.7	396.6	50.8	56.33994446	46.52762693	45.94368221	55.33975692	64.11895197	0.106167347	0.55	419	1.09
Mrps27	155.7	173.6	142.2	1244.5	1127.2	1252.6	155.7	153.7832446	137.2661525	126.609638	161.3110266	202.5098317	0.13458291	0.56	416	1.11
Nop2	498.9	651.9	869.3	5526.6	5132.5	5438.3	498.9	577.4844307	839.1383007	562.2505627	734.5003941	879.2185993	0.183920226	0.56	405	1.16
Cnn3	66.9	74.4	70	592.4	468.1	542.8	66.9	65.90710484	67.57124243	60.26801891	66.98872567	87.75533819	0.101691115	0.59	425	1.15
Elavl2	2.6	5.5	8	51.5	43.6	39.1	2.6	4.872165008	7.722427707	5.239370314	6.239496772	6.321359107	0.22833757	0.60	396	1.26
Slc25a3	248.8	284	276.2	2137	1823.9	2218.4	248.8	251.5808841	266.6168166	217.4084342	261.014178	358.6522517	0.126134404	0.61	417	1.21
Srp68	37	42.8	38.4	305.1	265.7	335.1	37	37.91430224	37.06765299	31.03945404	38.0237223	54.17614928	0.138196418	0.61	415	1.23
Zfp422	119.9	146.3	152.4	1180.1	915.1	1082.8	119.9	129.5995892	147.1122478	120.0578817	130.9578784	175.0579959	0.103375456	0.63	423	1.23
Rrbp1	135.7	160	170.7	1270.5	1139.1	1079.1	135.7	141.7357093	164.7773012	129.254757	163.0140086	174.4598111	0.077842331	0.64	428	1.25
Trim71	112.9	126.8	114.4	1002.8	811.2	796.8	112.9	112.3255496	110.4307162	102.0202049	116.0889858	128.8199217	0.047656334	0.65	434	1.25
Bop1	87.5	107.9	92.2	748.1	715	668.1	87.5	95.58301898	89.00097932	76.10821227	102.3220228	108.0127882	0.074196807	0.66	429	1.28
Nop56	291.2	366.1	362.1	2543.5	2419.3	2689.6	291.2	324.3090199	349.5363841	258.7638523	346.220517	434.8319042	0.107659913	0.67	418	1.33
Alyref	48.6	59.4	77.3	566.5	406.5	451	48.6	52.61938209	74.61795772	57.63307346	58.17328986	72.91388638	0.102007767	0.68	424	1.32
Smn1	7.7	10.1	8.1	88.9	52.2	53.9	7.7	8.947066651	7.818958053	9.044272251	7.4702232	8.714098616	0.044280102	0.70	435	1.35
Dnmt3b	657.5	719.5	577	5223.1	4520	4705.4	657.5	637.3677679	556.9800984	531.3738852	646.8469131	760.7294921	0.066310234	0.71	430	1.38
Immt	94	113.6	112	864.1	745.7	723.9	94	100.6323536	108.1139879	87.9095124	106.7154299	117.0340629	0.041858873	0.77	436	1.47
Kpna3	29.4	34.4	39.3	275.1	221	261.5	29.4	30.47317751	37.93642611	27.98739366	31.62680703	42.27712037	0.058983139	0.80	432	1.54
Ddx24	89.3	99.8	96.5	787.3	661.4	626.5	89.3	88.40764869	93.15178421	80.09623783	94.65144874	101.2872501	0.02730654	0.80	437	1.53
Rcl1	137.6	165.4	136.2	993.9	929.6	1210.9	137.6	146.5192895	131.4743317	101.1147603	133.0329404	195.7681264	0.048880712	0.87	433	1.68
Pou5f1	28.6	33.9	31.5	264	197.3	218.3	28.6	30.03025341	30.4070591	26.85813132	28.23515397	35.29290775	0.021692363	0.87	438	1.66
Atp5c1	138.4	159.9	150	1205.7	1011	1010	138.4	141.6471245	144.7955195	122.6623066	144.6819091	163.2883043	0.019528686	0.88	439	1.67
Hnrnpk	6.8	2.1	5.4	34	40.5	32.5	6.8	1.860281185	5.212638702	3.459001761	5.795862827	5.254326624	0.064695632	0.90	431	1.74
Ctnnb1	15.4	17.4	12.7	117.5	97.2	108.6	15.4	15.41375839	12.25935398	11.95390314	13.91007079	17.5575345	0.11622272	0.96	440	1.81
Trap1	72.9	86.2	72.1	579.1	465.6	574.7	72.9	76.3601134	69.59837971	58.91493881	66.63095636	92.91266186	-0.002638754	0.99	441	1.87
Rbm5	94.3	102.8	84.9	768.4	634	605.3	94.3	91.06519324	81.95426404	78.17343979	90.7302971	97.85981247	-0.003003301	0.98	442	1.84
Isy1	64.8	69.6	51.5	472.8	469.9	366.3	64.8	61.65503356	49.71312836	48.10047154	67.24631957	59.22030284	-0.013171581	0.94	443	1.77
Utp18	64.6	61.9	72.2	524.9	470	411.1	64.6	54.83400255	69.69491005	53.40088307	67.26063034	66.46319	-0.015369899	0.92	444	1.72
Cct6a	75.9	85.8	85.3	639.1	492.7	594.9	75.9	76.00577413	82.34038542	65.01905957	70.50917568	96.17842795	-0.015725863	0.94	445	1.75
Rbbp7	114.6	129.5	123.9	943.8	852.8	772.5	114.6	114.7173397	119.6010991	96.01781947	122.0422671	124.8913021	-0.024885742	0.84	446	1.57
Brix1	376.8	479.2	396.9	3077.4	2661.3	2893	376.8	424.4984494	383.1289446	313.0803535	380.8525862	467.7159053	-0.028015741	0.88	447	1.64
Top1	665.9	779.8	762.9	5979.5	4623.5	4804	665.9	690.7844133	736.4300122	608.3265008	661.6585625	776.6703108	-0.032382988	0.79	448	1.46
Rrp7a	350.8	395.8	372.2	2879.5	2517.3	2374	350.8	350.6187109	359.2859491	292.9469285	360.245074	383.8083509	-0.032606626	0.79	449	1.46
Mrpl1	122.7	140.8	136.3	984.2	912	858.7	122.7	124.7274242	131.5708621	100.1279274	130.5142444	138.827393	-0.036735798	0.81	450	1.49
Rcc2	71.7	94.7	86.8	681.3	597.7	484.6	71.7	83.88982296	83.78834062	69.31229117	85.53548672	78.34605175	-0.037761939	0.76	451	1.39
Mki67	211.9	225.3	217.2	1626.1	1374.9	1500.3	211.9	199.5815957	209.6639122	165.431846	196.7588099	242.5558841	-0.03806006	0.82	452	1.51
Zfr	216.2	210.3	210.3	1675.7	1535.2	1228.4	216.2	186.2938729	203.0033183	170.4779191	199.6989781	298.5973792	-0.040405626	0.75	453	1.39
Son	427.1	419.8	413.6	3183.8	2830.2	2697.8	427.1	371.8790673	399.2495124	323.9049943	405.0234808	436.1576112	-0.040466592	0.78	454	1.43
Dhx33	241.2	163.3	120.2	1428.6	1105.8	1116.8	241.2	144.6590083	116.0294763	145.3391152	158.2485213	180.5548299	-0.0519352	0.89	455	1.62
Scaf1	32.2	34.4	30.6	276.9	224.7	176.5	32.2	30.47317751	29.53828598	28.17051728	32.15630561	28.53503536	-0.053281803	0.50	456	0.90
Cct7	30.1	29.1	25.5	216.2	173.3	189.5	30.1	25.77818213	24.61523832	21.99518178	24.80056859	30.63676601	-0.055931335	0.75	457	1.37
Atp2a2	314	362.2	334.1	2561.6	2223.5	2090.1	314	320.854212	322.5078871	260.6052621	318.2000246	337.909787	-0.062591266	0.59	458	1.08
Mrpl48	13.6	25.5	14.2	124.2	113.1	116.6	13.6	22.58912867	13.70730918	12.63552996	16.1854836	18.85090721	-0.065797069	0.84	459	1.53
Rps16-ps2; Rps16	590.7	555.6	515.1	4330.2	3350.3	3604.9	590.7	492.1772506	497.227814	440.5343948	479.4538082	582.8099091	-0.072369281	0.65		

Stau1	78.4	95.5	81.4	663	541.6	494.9	78.4	84.5985015	78.57570192	67.45053434	77.50714339	80.01126911	-0.102740529	0.27	467	0.48
Rps8; Gm15501	621.3	758.5	732.3	5362.1	4344.8	4293.8	621.3	671.915847	706.8917262	545.5150983	621.7744398	694.1854663	-0.103631352	0.40	468	0.72
Slc25a11	7.8	7.4	8.2	53.2	48	54.1	7.8	6.555276556	7.915488399	5.412320402	6.869170758	8.342253962	-0.110844773	0.59	469	1.06
Nol10	242.2	235.9	213.1	1643.3	1460	1426.6	242.2	208.9715864	205.706168	167.1816939	208.9372772	230.2365091	-0.115461077	0.48	470	0.86
Slc2a1	11.5	17.7	15.1	126.1	101.6	69	11.5	15.67951284	14.5760823	12.82882712	14.53974477	11.1553396	-0.116215335	0.53	471	0.94
Eif1	62.1	55.7	66.2	454.1	360.9	392.3	62.1	49.34174381	63.90308927	46.19802058	51.64757764	63.42376414	-0.120722535	0.53	472	0.94
Mcm2	67.9	80.6	79.5	560	461.6	466.5	67.9	71.39936357	76.74162534	56.97179371	66.05852546	75.419796	-0.122528658	0.38	473	0.66
Aurkb	58.3	71.2	60.8	405.5	394.1	418.3	58.3	63.07239065	58.69045057	41.25368277	56.39875408	67.62722543	-0.123591278	0.56	474	0.59
Rps27; Gm9846; Rps27rt	99.6	119	93.6	783.6	642.7	614.7	99.6	105.4159338	90.35240417	79.71981705	91.9753343	99.3795254	-0.123824839	0.32	475	0.97
Dhx36	79.1	86.2	67.8	587.1	498.1	441.5	79.1	76.3601134	65.44757482	59.72882158	71.28195739	71.37800629	-0.12631428	0.34	476	0.59
Ctfc	419.7	418.3	408.5	3051.4	2424.4	2638	419.7	370.5502951	394.3264648	310.4352345	346.9503664	426.4896502	-0.128172968	0.42	477	0.73
Utp20	275.4	321.6	293.6	2290.7	1907.9	1637.5	275.4	284.8887757	283.4130968	233.0451569	273.0352269	264.737226	-0.130343772	0.12	478	0.22
Tubb5	681.5	718.8	724.9	4786.3	4112.2	4738	681.5	636.7476741	699.7484806	486.9358861	588.4875832	765.9998959	-0.132101997	0.52	479	0.90
Sfpq	174.5	187.8	161.7	1262.1	1104.6	1005.1	174.5	166.3622888	156.08957	128.4001801	158.0767921	162.4961135	-0.146477137	0.25	480	0.44
Rrp15	72.5	76.4	74.2	517.4	512.1	396.2	72.5	67.8788012	71.62551698	52.63786797	73.28546553	64.05428333	-0.156902553	0.30	481	0.52
Eif3m	105.2	168.7	144.5	1189	820	712.5	105.2	149.4425885	139.4863505	117.34833263	117.3483338	115.1910067	-0.156946585	0.37	482	0.64
Dhx8	155.9	172.4	159.3	1134.2	966.9	995.2	155.9	152.7202268	153.7728417	115.3882293	138.3708585	160.8955648	-0.157209491	0.29	483	0.51
Hnrmp1	27.4	29.3	23.6	174.9	172.8	158.3	27.4	25.9535177	22.78116174	17.793512	24.72901473	25.59261245	-0.160613021	0.40	484	0.68
Eif3f	26	45.3	40	265	199.5	233.1	26	40.1289227	38.61213853	26.95986667	28.54999096	37.68564726	-0.168494851	0.53	485	0.91
Atp1a1	212.4	265.3	206	1592.5	1360.8	1348.1	212.4	235.015523	198.8525134	162.0135384	194.740991	217.9494683	-0.169313555	0.29	486	0.49
Rps25	232.1	266.6	283.5	2147.1	1528	1373	232.1	236.1671257	273.6635319	218.4359612	218.6686025	221.9750909	-0.17083152	0.11	487	0.18
Cps16	24.6	22.5	22.9	193.7	145.3	114.6	24.6	19.93158412	22.10544931	19.7061365	20.79355232	18.52756403	-0.17429276	0.17	488	0.28
Gar1	4.8	7	4.3	38.5	32.8	29.7	4.8	6.200937283	4.150804892	3.916810817	4.693933352	4.801646176	-0.175917311	0.43	489	0.74
Rpl34-ps1; Rpl34; Gm4705	123.4	141.1	127.2	973.3	815.4	693.3	123.4	124.9931787	122.7866005	99.01901217	116.6900383	112.0869122	-0.179320033	0.05	490	0.09
Clk3	5	5.9	8.5	40.7	38.7	40.8	5	5.226504281	8.205079438	4.140628578	5.538268924	6.596200807	-0.179513781	0.60	491	1.01
Dlat	20.6	22.8	19.4	149.1	120.1	124.8	20.6	20.19733858	18.72688719	15.16874007	17.18723767	20.17661423	-0.180264181	0.21	492	0.36
Pwp2	143	164.3	126.9	1017	864.3	832.1	143	145.5448565	122.4970095	103.4648468	123.688006	134.5269287	-0.184572394	0.23	493	0.39
Ahsa1	97.5	120.2	112.7	811.7	646.2	616.7	97.5	106.4789516	108.7897003	82.57858027	92.47621134	99.70286858	-0.186936218	0.10	494	0.18
Nhp211; Snu13; LOC100862468	209.7	219.3	217.2	1493.2	1369.8	1177.2	209.7	194.2665066	209.6639122	151.9112185	196.0289605	190.3197939	-0.189366857	0.16	495	0.28
Pcbp2	276	310	309.7	2001.4	1899.6	1640	276	274.6129368	298.9544826	203.6131213	271.8474328	265.141405	-0.198030075	0.19	496	0.32
D2Wsu81e; Spout1	3	4	2.8	18.7	21.3	19.2	3	3.543392733	2.702849697	1.902450968	3.048194524	3.104094498	-0.199029171	0.44	497	0.73
Mbd3	43.7	71.3	77.4	477.1	369.7	347.6	43.7	63.16097547	74.71448806	48.53793353	52.90692561	56.19704413	-0.20391819	0.44	498	0.74
Csda; Ybx3	241.9	263.8	257.3	1818.5	1529.2	1386.7	241.9	233.6867508	248.3725811	185.0057265	218.8403317	224.1899917	-0.205061283	0.07	499	0.12
Noc2l	103.6	139.4	130.6	873.4	727.9	688.4	103.6	123.4872368	126.0686323	88.8565111	104.1681124	111.2947215	-0.214723104	0.17	500	0.28
Hnrnpll; Hnrpll	77.8	88.7	76.5	530.6	476.7	465	77.8	78.57473386	73.84571495	53.98077454	68.21945209	75.17728861	-0.222058332	0.16	501	0.27
Rpusd4	21.1	30.5	27.7	191.5	158.8	132.7	21.1	27.01836959	26.73890593	19.48231874	22.72550659	21.45381978	-0.233718102	0.16	502	0.26
Mcm4	57.8	54.3	50.5	354.7	282.4	334.4	57.8	48.10155635	48.7478249	36.08552719	40.4136213	54.06297917	-0.244264588	0.27	503	0.44
Ptcd3	272.1	335.5	323.3	2103.5	1676.7	1771.6	272.1	297.2020655	312.0826097	214.0003001	239.9487211	286.417386	-0.251532375	0.12	504	0.20
Mrps33	57	61.7	73.4	392.2	405.9	341.4	57	54.65683291	70.85327421	39.90060266	58.08742523	55.19468029	-0.25272911	0.27	505	0.40
Timm50	33.6	48.1	26.4	224.2	194.7	214.2	33.6	42.60929762	25.48401143	22.80906455	27.86307389	34.63005424	-0.253570028	0.42	506	0.68
Numa1	60.9	69.8	67.2	423.5	345.9	399.9	60.9	61.83220319	64.86839274	43.08491899	49.50096178	64.65246821	-0.25471129	0.19	507	0.32
Tuba4a	48	40.9	50.5	296.3	247.9	278.9	48	36.2311907	48.7478249	30.14418299	35.47640481	45.09020601	-0.264402718	0.28	508	0.46
Arl6ip1	22.7	30.5	29.2	182.8	155.8	148.2	22.7	27.01836959	28.18686113	18.59722123	22.29618342	23.9597294	-0.264543902	0.13	509	0.22
Hspa4	14.4	14.5	15.1	103.8	99.8	61.5	14.4	12.84479866	14.5760823	10.56012891	14.28215087	9.942802688	-0.265754712	0.18	510	0.30
Gnl3l	147.8	189.8	170.4	1191.8	919.4	893.9	147.8	168.1339852	164.4877102	121.2481853	131.5732416	144.5182329	-0.273928503	0.04	511	0.06
Trip12	8.5	5.5	7	47.4	38	39.3	8.5	4.872165008	6.757124243	4.822255396	5.438093517	6.353693425	-0.276893097	0.36	512	0.59
Eif3a	266.4	339.3	298.5	2060.9	1627.8	1625.3	266.4	300.5682886	288.1430838	209.6663744	232.9507533	262.7648327	-0.277707653	0.05	513	0.09
Prdx1	36.9	38.5	33	214.3	208	205.6	36.9	34.10515506	31.85501429	21.80188463	29.76640662	33.23967858	-0.278412681	0.18	514	0.29
Uhrf1	14.7	12.9	13.2	87.2	70.9	80.5	14.7	11.42744156	12.74200572	8.871322163	10.14633764	13.01456287	-0.279112685	0.22	515	0.35
Nap111	25	24.6	24.2	160.9	130	140.5	25	21.79186531	23.36034381	16.36921716	18.60400414	22.71485817	-0.282215301	0.12	516	0.19
Exosc8	5.6	9.4	12.9	67.4	52.5	45.2	5.6	8.326972923	12.45241468	6.856962314	7.513155517	7.307555796	-0.283201133	0.48	517	0.77
Nup93	127.4	132.1	131.7	801.9	717.4	743.1	127.4	117.020545	127.1304661	81.58157388	102.6654813	120.1381574	-0.287662023	0.13	518	0.20
Supt6; Supt6h	54.5	64.4	52.5	362	345.6	288.2	54.5	57.048623	50.67843183	36.82819522	49.45802946	46.59375178	-0.287890717	0.08	519	0.13
Tufm	214.8	212	189.8	1342.8	1166.6	1084.9	214.8	187.7998149	183.2145973	136.6102225	166.949471	175.3975063	-0.290546964	0.08	520	0.13
Rps12	103.3	73.1	68.7	512.9	444.2	468.1	103.3	64.7555022	66.31634793	52.18005892	63.56845106	75.67847054	-0.292005118	0.37	521	0.60
Smu1	147.1	201.5	162.5	1152.6	1023.8	804.8	147.1	178.4984089	156.8618128	117.2601597	146.513688	130.1132944	-0.292627676	0.08	522	0.13
Snrpd1	63.2	74.4	71	463.2	385.3	361	63.2	65.90710484	68.5365459	47.12381222	55.13940611	58.36344342	-0.29919023	0.03	523	0.05
Spna2; Sptan1	7.5	6.5	7.7	49.2	39.2	38.3	7.5	5.758013191	7.432836668	5.005379019	5.609822786	6.192021836	-0.299911476	0.12	524	0.20
Wdr75	37.8	52.3	44.9	331.5	265.8	195.2	37.8	46.32985999	43.3421255	33.72526717	38.03803307	31.55829406	-0.303038411	0.06	525	0.10
Prpf3	83.2	79.8	75.1	526	446.1	408.4	83.2	70.69068503	72.4942901	53.51279195	63.84035574	66.02667671	-0.30394329	0.06	526	0.09
Trove2	99.2	108.4	84	725.7	496.9	486.9	99.2	96.02594307	81.08549092	73.82934052	71.11022812	78.7178964	-0.305004351	0.04	527	0.07

Ddx10	153.6	175.8	174	1057.8	894.1	863.4	153.6	155.7321106	167.9628026	107.6156489	127.9526161	139.5872494	-0.347392196	0.03	534	0.05
Eif2s3x	66.9	72.6	80.1	516.4	439.6	297.8	66.9	64.31257811	77.32080741	52.53613263	62.91015553	48.14579903	-0.350175405	0.06	535	0.10
Hdlbp	52.6	63.1	61.9	342.7	283	343.8	52.6	55.89702037	59.75228438	34.86470304	40.49948593	55.5826921	-0.361618846	0.13	536	0.20
Atad3a	56.5	58.1	59.7	335.8	320.9	300.2	56.5	51.46777945	57.62861676	34.16272916	45.92326867	48.53381084	-0.364558428	0.06	537	0.10
Nob1	55.3	57.9	52.2	325.9	278.4	299.6	55.3	51.29060981	50.38884079	33.15554923	39.8411904	48.43680789	-0.370408676	0.06	538	0.10
Actn4	137.4	184.7	158.4	1043.4	778.1	815.7	137.4	163.6161595	152.9040686	106.1506599	111.3521201	131.8755147	-0.377648797	0.03	539	0.05
Glyr1	23.9	30.8	42.7	199.4	171.2	161.6	23.9	27.28412405	41.21845789	20.28602797	24.50004237	26.12612869	-0.381899328	0.27	540	0.41
Liph	11.4	10.5	9.1	45.5	39.1	76.1	11.4	9.301405925	8.784261516	4.628958239	5.595512014	12.30320788	-0.388315225	0.41	541	0.64
Zc3h11a	47.2	57	47.5	299	265.9	233.1	43.2	50.49334645	45.85191451	30.41886843	38.05234385	37.68564726	-0.394535534	0.03	542	0.04
Snrpa	284.8	315.1	275.7	1853.4	1594.1	1326.9	284.8	279.1307626	266.1341648	188.5562901	228.128023	214.5220307	-0.395112483	0.01	543	0.01
Scaf8	4.8	6.6	8.1	48.5	32.3	27.4	4.8	5.84659801	7.818958053	4.934164276	4.62237949	4.429801523	-0.40081768	0.17	544	0.26
Kpnb1	213.3	269.1	215.5	1434	1207.8	1114.1	213.3	238.3817461	208.0228964	145.888486	172.8455092	180.1183167	-0.403207497	0.02	545	0.03
Wdr74	38	38	34.1	188.5	185.6	203.4	38	33.66223097	32.9168481	19.1771127	26.5607936	32.88400108	-0.411591001	0.11	546	0.17
Hp1bp3	77.7	79.5	86.9	480.5	416.9	407.1	77.7	70.42493057	83.88487097	48.88383371	59.66161019	65.81650364	-0.412100532	0.04	547	0.06
Lrrc59	66.6	95.1	84.7	440.6	431.3	422.1	66.6	84.24416223	81.76120335	44.82459341	61.72236142	68.24157747	-0.412273842	0.10	548	0.15
Tmpo	67.3	96.8	93.4	512.6	406.6	446.2	67.3	85.75010414	90.15934348	52.14953831	58.18760063	72.13786275	-0.414500438	0.09	549	0.14
Poir2a	219.2	245	262.4	1610.3	1194.7	1128.1	219.2	217.0328049	253.2956288	163.8244275	170.970798	182.3817189	-0.414952083	0.01	550	0.02
Whsc1; Nsd2	30.6	46.5	43.1	270.3	212.1	166.4	30.6	41.19194052	41.60457927	27.499064	30.35314829	26.90215231	-0.420016794	0.06	551	0.10
Hsd17b12	101.5	99.5	103.7	589.3	542.2	481.9	101.5	88.14189424	100.1019691	59.95263934	77.59300803	77.90953846	-0.427390283	0.03	552	0.04
Cct8	157.2	190.3	177	945.1	848	927.7	157.2	168.5769093	170.858713	96.15007542	121.3553501	149.9827326	-0.434489984	0.06	553	0.08
Ppp1cc; Gm5601	18.8	22.9	22	129.4	107.4	98.9	18.8	20.2859234	21.23667619	13.16455376	15.36976957	15.98932009	-0.438126948	0.01	554	0.01
Tubb4b	61.3	63.1	69.6	368.5	312.3	331	61.3	55.89702037	67.18512105	37.48947497	44.69254225	53.51329577	-0.442328039	0.05	555	0.07
Eif3c	169.7	210.5	181.3	1035.4	885.9	978	169.7	186.4710426	175.0095179	105.3367772	126.7791328	158.1148135	-0.444874982	0.04	556	0.06
Luc7l2	41.6	63.2	47.7	328.3	278.3	197.5	41.6	55.98560518	46.0449752	33.39971406	39.82687963	31.93013871	-0.449821728	0.06	557	0.09
Tefm	21	42.5	23.8	154.1	143.5	145.3	21	37.64854779	22.97422243	15.6774168	20.53595841	23.4908818	-0.451137874	0.27	558	0.40
Exosc2	46.8	62.4	54.8	303.4	271.6	269.8	46.8	55.27692664	52.89862979	30.86650395	38.86805787	43.61899455	-0.451211029	0.04	559	0.05
Glr3	17.3	24.7	18.6	120.2	88.6	102	17.3	21.88045013	17.95464442	12.22858858	12.67934436	16.49050202	-0.464800947	0.06	560	0.08
Nup155	38.5	57.8	43.6	261.3	221.4	230.1	38.5	51.20202499	42.087231	26.58344589	31.68405012	37.20063249	-0.465141678	0.07	561	0.10
Lsg1	35.4	38.5	40.9	213.8	190.5	183.1	35.4	34.10515506	39.48091165	21.75101695	27.26202145	29.60206784	-0.471265241	0.02	562	0.03
Dhx30	87.8	120.8	94.4	586.1	492.3	468.2	87.8	107.0104605	91.12464694	59.62708624	70.45193259	75.6946377	-0.474629469	0.02	563	0.04
Smarcc1	11.1	9	8.7	58.4	47.5	43.2	11.1	7.97263365	8.398140131	5.941344201	6.797616896	6.98421262	-0.478005829	0.07	564	0.10
Khsrp	18.5	27.9	21	145.2	109.1	93.7	18.5	24.71516431	20.27137273	15.6130527	15.14862783	15.44862783	-0.479517488	0.03	565	0.05
Fcf1	15.5	15.7	11.9	80.1	69.2	68.3	15.5	13.90781648	11.48711121	8.149001207	9.90305451	11.04216949	-0.491189086	0.05	566	0.08
Cbx3	39.3	44.4	41.9	233.6	204.3	195.2	39.3	39.33165934	40.44621511	23.7653768	29.23690804	31.55829406	-0.493848216	0.01	567	0.01
Prpf6	231.6	287.4	325.3	1550.8	1351.4	1332.1	231.6	254.5927679	314.0132166	157.7711744	193.3957784	215.3627229	-0.498219889	0.06	568	0.09
Gja1	48.6	53.5	45	336.4	219.8	201.3	48.6	47.39287781	43.43865585	34.22377036	31.45507776	32.54449075	-0.505419107	0.00	569	0.00
Nvl	303	322.2	320.7	1438.6	1594.9	1594.9	303	285.4202847	309.5728207	168.7992859	205.8747719	257.8500164	-0.505583978	0.03	570	0.04
Hdac2	20.2	24.7	18.7	120.4	95	100.7	20.2	21.88045013	18.05117476	12.24893565	13.59523379	16.28032895	-0.513464437	0.02	571	0.03
Jmjd6	41.2	52	46.9	270.1	234.1	193	41.2	46.06410553	45.27273243	27.47871693	33.50151822	31.20261656	-0.523823102	0.00	572	0.01
Dnttip2	75	92.1	90.2	501.1	440.1	339.1	75	81.58661768	87.07037239	50.97958183	62.98170939	54.82283563	-0.529672378	0.01	573	0.01
Las1l	60.1	75.9	72	379.2	306.7	329.1	60.1	67.23587711	69.50184936	38.57804317	43.89113899	53.20611975	-0.536848639	0.02	574	0.02
Vrtn	19	24.9	18.1	110.1	99.7	91.6	19	22.05761976	17.47199269	11.20106158	14.2678401	14.8091175	-0.539173991	0.03	575	0.04
Cse1l	203.8	258	259.8	1400.5	1195	967.6	203.8	228.5488313	250.7858398	142.4803519	171.0137303	156.433429	-0.539731784	0.01	576	0.02
Ythdf2	42.3	45	39.7	229.8	190	195.8	42.3	39.86316825	38.32254749	23.37878249	27.19046759	31.65529701	-0.551221056	0.01	577	0.01
Ddx46	128.1	163.7	139.3	848.3	672.5	580.8	128.1	145.0133476	134.4667724	86.30209393	96.23994448	93.89885855	-0.56011262	0.00	578	0.00
Cirrh1a; Utp4	172.4	218.5	199.4	1011.6	949.8	859.1	172.4	193.557828	192.4815106	102.9154759	135.9237164	138.8920616	-0.564040415	0.01	579	0.02
Sf1	101.4	115.7	120.7	508	484.9	591	101.4	102.4926348	116.512128	51.68155572	69.39293543	95.54790875	-0.564713161	0.06	580	0.09
COX2	39.1	46	36.9	204.6	169.6	203.9	39.1	40.74901643	35.6196978	20.81505177	24.27107001	32.96483688	-0.565013755	0.03	581	0.05
Spnb2; Sptbn1	56.2	60.7	53.6	308.7	250.8	258.6	56.2	53.77098473	51.74026564	31.40570128	35.89141721	41.80827276	-0.56769766	0.01	582	0.01
Cct2	147.1	175.6	153.1	835.3	673.2	755.7	147.1	155.554941	147.7879602	84.97953444	96.34011989	122.1752194	-0.569672091	0.01	583	0.02
Usp10	27.3	63.6	38.1	241.2	201.4	170.6	27.3	56.33994446	36.77806195	24.53856543	28.82189564	27.58117298	-0.573097258	0.20	584	0.29
Mphosph8	24.3	22	24.2	123.5	112.4	101	24.3	19.48866003	23.36034381	12.56431522	16.08530819	16.32883043	-0.578131929	0.02	585	0.03
Cct3	156.7	206.6	166.3	952.5	804.6	746.8	156.7	183.0162347	160.529966	96.90291698	115.1444748	120.7363422	-0.588053386	0.01	586	0.01
Gmps	36.7	46.7	38.5	196.2	142.5	223.1	36.7	41.36911016	37.16418334	19.96047487	20.39285069	36.06893138	-0.592492834	0.08	587	0.11
Dcaf13	330.3	385.1	368.3	1865.6	1720.8	1500.4	330.3	341.1401354	355.5212656	189.7974613	246.2597717	242.5720513	-0.597686366	0.00	588	0.01
Psmd12	28.7	29.2	24.7	150.1	107.4	130.7	28.7	25.86676695	23.84299554	15.27047542	15.36976957	21.13047661	-0.598896863	0.02	589	0.03
Strbp	47.9	79.4	75.5	346.6	316.7	275.4	47.9	70.33634575	72.88041148	35.26147089	45.32221623	44.52435545	-0.611279744	0.06	590	0.09
Cebpz	204.7	214.2	202.1	1089.1	927.3	875.3	204.7	189.7486809	195.0878299	110.7999652	132.7037926	141.5111413	-0.614666888	0.00	591	0.00
Ipo5	38.7	40.1	39	225	169.1	160.3	38.7	35.52251215	37.64683507	22.89045283	24.19951615	25.91595562	-0.615729333	0.00	592	0.00
Tfrc	64.2	72.9	59.9	327.2	261.9	314.7	64.2	64.57833256	57.82167745	33.28780518	37.47991295	50.87804887	-0.617262945	0.02	593	0.03
Cdk11b	9	12.7	12.4	65.2	47.8	45.6	9	11.25027193	11.96976295	6.633144553	6.840549214	7.372224432	-0.628193136	0.01	594	0.02
Dnaja2	141.9	152.7	143.4	769.7	649.9	597.3	141.9	135.2690176	138.42451166	78.30569574</						

Myh10	74.1	105.1	77.4	436.5	336.2	371.2	74.1	93.10264406	74.71448806	44.40747849	48.11281685	60.01249362	-0.665393539	0.02	601	0.03
Psmc2	63.6	63.1	54.3	309.6	237.5	265	63.6	55.89702037	52.41597806	31.49726309	33.98808448	42.84297093	-0.666268199	0.01	602	0.02
2610027L16Rik; Nop9	17.9	24.3	19.5	100	96	78.3	17.9	21.52611085	18.82341754	10.17353459	13.73834152	12.65888537	-0.671555702	0.01	603	0.01
Eif2s1	28.4	28.9	26.3	120.3	123.4	123.3	28.4	25.6010125	25.38748109	12.3876211	17.65949316	19.93410685	-0.67184696	0.02	604	0.02
Senp3	112.4	126.4	139.1	638.5	531.2	519.9	112.4	111.9712104	134.2737118	64.95801836	76.01882306	84.05305882	-0.672439496	0.01	605	0.01
Psmc3	60.6	67.6	64.3	311.9	271.7	271.2	60.6	59.88333719	62.06901269	31.73125439	38.88236865	43.84533478	-0.673479864	0.00	606	0.00
Ywhah	126.1	114.2	127.1	630.2	457.2	545.5	126.1	101.1638625	122.6900702	64.11361499	65.42885147	88.19185148	-0.684596207	0.02	607	0.02
Tcp1	46	63.6	60.9	270.6	233.4	242.9	46	56.33994446	58.78698092	17.5295846	33.40134281	39.27002883	-0.685301321	0.02	608	0.02
Nkrf	37.6	40.9	36.6	170.1	164	167.4	37.6	36.2311907	35.33010676	27.05018234	23.46966676	27.0638239	-0.686281593	0.01	609	0.01
Mrp143	63.9	76.7	78.1	266.2	281	378.8	63.9	67.94455566	75.39020049	27.08194908	40.21327048	61.24119769	-0.689088818	0.07	610	0.09
Rrp1	22.4	27	21.9	116.3	98.4	98.5	22.4	23.91790095	21.14014585	11.83182073	14.08180005	15.92465146	-0.689167272	0.00	611	0.01
Zfp512	188.2	190.5	191.7	954.2	753.9	800.5	188.2	168.7540789	185.0486739	97.07586706	107.8889132	129.4181065	-0.696799165	0.00	612	0.00
Dnm13a	65.1	71.6	73	323.7	295.7	293.8	65.1	63.42672992	70.46715282	32.93173147	42.31695403	47.49911268	-0.697026936	0.01	613	0.01
Hnrnpul1	549.1	646.4	597.1	3132.7	2511	2280.8	549.1	572.6122657	576.382698	318.7063181	359.3434953	368.7405589	-0.697944581	0.00	614	0.00
Tcerg1	191.2	250.3	234.7	1090	983.4	878.5	191.2	221.7278003	226.5567228	110.891527	140.7321359	142.0284904	-0.699988073	0.01	615	0.01
Puf60	70.1	109.5	92.3	438.4	392.9	351.3	70.1	97.00037607	89.09750967	44.60077565	56.22702481	56.79522901	-0.700780235	0.02	616	0.03
Nsun2	16.6	18.7	20.7	94.8	66.7	82.2	16.6	16.56536103	19.98178169	9.644510792	9.5452852	13.28940457	-0.71047601	0.01	617	0.02
Sin3a	22.7	34.6	31.4	136.3	113.4	128.4	22.7	30.65034714	30.31052875	13.86652765	16.22841592	20.75863195	-0.718203889	0.03	618	0.04
Cdk12	75.6	113.1	108.5	512.1	400.8	377.2	75.6	100.1894295	104.7354258	52.09867064	57.35757583	60.98252315	-0.718875601	0.02	619	0.02
Exosc3	32.8	30.7	28.6	159.4	131.3	112.4	32.8	27.19553923	27.60767905	16.21661414	18.79004418	18.17188654	-0.72013957	0.00	620	0.01
Cpsf4	91.4	95.5	82.4	465.3	357.1	342	91.4	84.5985015	79.54100538	47.33745645	51.10376829	55.29168324	-0.733120331	0.00	621	0.00
Vdac3	16.9	25.9	22.3	116.5	94	71.5	16.9	22.94346795	21.52626723	11.8521678	13.45212607	11.55951857	-0.735322076	0.01	622	0.02
Pdcd11	1102.4	1284.4	1152.1	5610.1	4787	4668.3	1102.4	1137.783407	1112.12612	570.7454641	685.0566754	754.7314762	-0.737576905	0.00	623	0.00
Eif4g3	18.4	24.8	18.5	99.5	78.9	83	18.4	21.96903495	17.85811407	10.12266692	11.29119943	13.41874184	-0.741253479	0.01	624	0.01
Aqr	22.5	31	26.8	126.5	111.5	101.6	22.5	27.46129368	25.87013282	12.86952126	15.95651124	16.42583338	-0.744818582	0.01	625	0.01
Spen	24.8	31.7	23.6	121.2	107.5	107.5	24.8	28.08138741	22.78116174	12.33032392	15.38408034	17.37969575	-0.746640695	0.01	626	0.01
Ddx20	223.7	221.8	207.3	1099.9	808.3	870.4	223.7	196.4811271	200.107408	111.898707	115.6739734	140.7189506	-0.752090846	0.00	627	0.00
Mrps23	12.6	14.1	13.8	62.1	63.7	45.6	12.6	12.49045938	13.32118779	6.317764981	9.115962027	7.372224432	-0.752133472	0.00	628	0.00
Sf3b4	20.7	29.2	25.8	121.2	99.6	97.6	20.7	25.86676695	24.90482935	12.33032392	14.25352932	15.77914703	-0.754565242	0.01	629	0.01
Dhcr24	35.8	46.9	46.6	218.6	183.1	148.1	35.8	41.5462798	44.98314139	22.23934662	26.20302429	23.94356224	-0.756990156	0.00	630	0.01
Nup133	171.2	174.3	156.8	804.5	637.5	660.3	171.2	154.4033383	151.3595831	81.84608578	91.23117414	106.7517498	-0.769331583	0.00	631	0.00
Ddx55	13.1	13.2	15.7	70.1	54	52.8	13.1	11.69319602	15.15526437	7.131647748	7.727817103	8.536259868	-0.771894984	0.01	632	0.01
Zfp281	56	66.8	70.8	310.5	234.2	260.6	56	59.17465864	68.34348521	31.5888249	33.51582899	42.13161594	-0.775129763	0.01	633	0.01
Cd3eap	9.6	7.9	5.5	39.9	24.5	32.2	9.6	6.998200648	5.309169048	4.059240302	3.506139241	5.205825147	-0.778521695	0.09	634	0.11
Psmc1	119.5	121.9	124.4	532.5	478.6	486.1	119.5	107.9848935	120.0837508	54.1740717	68.49135677	78.58855913	-0.788280568	0.00	635	0.01
Myh9	448.6	464.1	475.7	2083.8	1750.1	1849.3	448.6	411.1221419	459.1948575	211.9961138	250.452828	298.9792685	-0.792573851	0.00	636	0.00
Rpl9	341	360	502.4	1973.3	1458.9	1458.9	341	318.905346	484.96846	200.7543581	219.2696549	235.8626803	-0.803670075	0.04	637	0.05
Ddx25	23	26.6	30.7	127.5	95.3	105.2	23	23.56356168	29.63481632	12.9712566	13.63816611	17.0078511	-0.804860687	0.01	638	0.02
Tbp	14.5	16	8	55.5	49.4	50.1	14.5	14.17357093	7.722427707	5.646311698	7.069521572	8.09974658	-0.806116102	0.09	639	0.12
Grm1	26.7	50.4	29	187	155.6	95.9	26.7	44.64674844	27.99380044	19.02450968	22.26756188	15.50430533	-0.806583817	0.08	640	0.10
Rbpms	62.1	56.1	71.3	273.9	263.6	230	62.1	49.69608308	68.82613694	27.86531124	37.72319608	37.18446534	-0.81351447	0.02	641	0.02
Aatf	357.4	462.8	379.5	1782.4	1587.5	1437.1	357.4	409.9705392	366.3326643	181.3330805	227.1835121	232.3382397	-0.822973504	0.00	642	0.00
Bud13	68.9	80.4	85.1	369.9	303.2	272.9	68.9	71.22219394	82.14732473	37.63190445	43.39026196	44.12017648	-0.828740096	0.00	643	0.00
Cpsf1	329.1	362.7	339.7	1510.4	1166.7	1415.5	329.1	321.2971361	327.9135865	153.6610665	166.9637817	228.8461334	-0.832249462	0.00	644	0.00
Mki67ip; Nifk	252.1	296	319.3	1244.9	1120.2	1062.9	252.1	262.2110623	308.2213958	126.6503321	160.3092726	171.8407313	-0.842206162	0.01	645	0.01
Prpf38a	37.5	43.8	38.7	183.9	158.3	135.1	37.5	38.80015043	37.35724403	18.70913011	22.65395273	21.8418316	-0.846582905	0.00	646	0.00
Hspa9	347.9	387.7	342.5	1647.1	1362	1264.9	347.9	343.4433407	330.6164362	167.5682882	194.9127203	204.4983922	-0.849970189	0.00	647	0.00
Mcm6	55.7	81.8	64.8	286	212.3	286.3	55.7	72.46238139	62.55166443	29.09630893	30.38176983	46.28657576	-0.850553526	0.02	648	0.02
Phf5a	190	182.4	259.2	879.6	788.1	807.2	190	161.5787086	250.2066577	89.48641026	112.7831974	130.5013062	-0.854719686	0.04	649	0.05
Rps10	23.6	24.4	17.4	91	76.4	86.4	23.6	21.61469567	16.79628026	9.257916477	10.93343012	13.96842524	-0.860225256	0.02	650	0.02
Incenp	55.4	39.9	73.6	240.4	206.5	212.9	55.4	35.34534251	71.0463349	24.45717716	29.55174503	34.41988117	-0.871549126	0.08	651	0.11
Umps	96.4	105.4	108.7	447.8	363.3	390.3	96.4	93.36839852	104.9284865	45.5570879	51.99103618	63.10042096	-0.875323896	0.00	652	0.01
Utp3	263.1	324.2	362.2	1471.7	1174.6	1058.1	263.1	287.191981	349.6329144	149.7239086	168.0943328	171.0647077	-0.880315515	0.01	653	0.01
Dnmt1	192.8	234	177.9	863	752.3	706.8	192.8	207.2884749	171.724861	87.79760352	107.6599409	114.2694787	-0.884553629	0.00	654	0.00
Fam98a	29.9	41.2	40.8	183.5	147.8	107.4	29.9	36.49694515	39.3843813	18.66843597	21.15132163	17.3635286	-0.887419535	0.01	655	0.01
Abcf1	46.4	51.5	42.6	223.5	178.4	145.5	46.4	45.62118144	41.12192754	22.73784981	25.53041799	23.52321611	-0.891093138	0.00	656	0.00
Cand1	25.9	31.6	31.3	131.5	99.3	109.8	25.9	27.99280259	30.2139984	13.37819799	14.21059701	17.75154041	-0.8914274	0.00	657	0.00
Cmss1	7.8	10.6	6.2	30.4	28.1	33.1	7.8	9.389990743	5.984881473	3.092754516	4.021327048	5.351329577	-0.894630917	0.04	658	0.05
Pak1ip1	99.2	113.5	93.1	439.7	374.5	355.1	99.2	100.5437688	89.86975244	44.7330316	53.59384269	57.40958105	-0.895022264	0.00	659	0.00
Baz1b	47.1	45.1	35.7	179.9	146.4	160.8	47.1	39.95175307	34.46133364	18.30218873	20.95097081	25.99679142	-0.897062975	0.01	660	0.02
Thoc1	449.1	297.8	297.5	1363.5	1127.6	1461.8	449.1	263.805589	287.1777803	138.7161441	161.3682697	236.3315279	-0.898696253</			

Nol7	46	60.1	62.7	230	214.1	186.4	46	53.23947582	60.52452715	23.39912956	30.63936374	30.13558408	-0.924494478	0.01	668	0.01
Elf6	221.5	249.6	229.2	849.7	851.1	874.9	221.5	221.1077065	221.2475538	86.44452342	121.798984	141.4464727	-0.924792268	0.00	669	0.00
Sdad1	14.3	16	17.5	69.8	60.4	50.3	14.3	14.17357093	16.89281061	7.101127144	8.643706538	8.132080897	-0.926007173	0.00	670	0.00
Mrp10	60.9	75.1	72.8	292.8	253.8	234.3	60.9	66.52719857	70.27409213	29.78810928	36.32074039	37.87965317	-0.92689826	0.00	671	0.00
Eef1a1; LOC101056619	887	1061	923.7	3798.9	3229.2	3569.6	887	939.8849225	891.6508091	386.4824056	462.1234628	577.102902	-0.931150478	0.00	672	0.00
Myf6	7.6	7.6	10.0	38.9	28.2	28.2	7.6	6.732446193	9.653034633	3.957504956	4.035637821	4.559138793	-0.934211741	0.01	673	0.02
Ddx39	18.3	22.9	17.8	88.9	64.1	67.2	18.3	20.2859234	17.18240165	9.044272251	9.173205117	10.86433074	-0.939328972	0.00	674	0.00
2410016O06Rik; Rioux1	107.1	135.7	157.7	559.4	481.7	435.4	107.1	120.2095985	152.2283562	56.9107525	68.93499072	70.3918096	-0.951643018	0.01	675	0.02
Cul2	8.4	10.8	11.5	48.8	33.3	32.7	8.4	9.56716038	11.10098983	4.96468488	4.765487214	5.286660941	-0.952858926	0.00	676	0.01
Atp5o; LOC100047429; LOC1026411	154.2	219.2	187.7	852.1	688.1	543.5	154.2	194.1779218	181.1874601	86.68868825	98.47242498	87.8665083	-0.955751334	0.00	677	0.00
Nufip2	810.2	941.1	942.3	4197.6	3045.7	2752.6	810.2	833.6717253	909.6054535	427.044288	435.8631954	445.0172143	-0.965183684	0.00	678	0.00
Psmd13	15.4	16.7	16	62.6	56	54.9	15.4	14.79366466	15.44485541	6.368632654	8.014032552	8.875770204	-0.97249796	0.00	679	0.00
Fasn	40.7	48.6	46.9	193.1	143.3	157.5	40.7	43.05222171	45.27273243	19.64509529	20.50733687	25.46327518	-0.975536999	0.00	680	0.00
Gpatch4	34.9	47.4	47.8	186.1	134.7	149.6	34.9	41.98920389	46.14150555	18.93294787	19.27661044	24.18606963	-0.97950162	0.01	681	0.01
Usp5	6.6	7.8	5.9	24.6	21.3	25.7	6.6	6.90961583	5.695290434	2.502689509	3.048194524	4.154959822	-0.984549366	0.01	682	0.01
Smchd1	36.3	46.3	57.3	191.4	165.8	146.9	36.3	41.01477089	55.31188845	19.472114521	23.72726066	23.74955634	-0.986237204	0.02	683	0.03
Tubb6	149.6	179.8	173.1	682.6	557.6	559.5	149.6	159.2755034	167.0940295	69.44454712	79.79686698	90.45525372	-0.989659375	0.00	684	0.00
Sfxn1	10.3	10.8	7.9	38.4	33.2	31.9	10.3	9.56716038	7.62589736	3.906637283	4.751176441	5.157323671	-0.992817446	0.01	685	0.01
Atp5a1	946.7	1345	942.2	3673.8	3508.9	3985	946.7	1191.465807	909.5089232	373.7553138	502.1506932	644.2612798	-1.003478842	0.01	686	0.02
Nhp2	175.1	209.7	189.9	767.6	621.5	644.5	175.1	185.762364	183.3111277	78.09205152	88.94145055	104.1973387	-1.004545448	0.00	687	0.00
Nudc	12.8	22.5	15.8	67.6	54.3	56.7	12.8	19.93158412	15.25179472	6.877309383	7.770749421	9.166779063	-1.010674025	0.02	688	0.03
Ppp2r1a	7	6.1	10.9	37.7	21.3	27.4	7	5.403673918	10.52180775	3.835422541	3.048194524	4.429801523	-1.01891711	0.07	689	0.08
Ddx31	124	150.3	138.9	518.3	469.4	449.3	124	133.1429819	134.0806511	52.72942978	67.17476571	72.63904468	-1.022811049	0.00	690	0.00
Aimp2	19.1	22.9	22.1	73.4	62.5	82.3	19.1	20.2859234	21.33320654	7.46737439	8.944232758	13.30557173	-1.030853954	0.01	691	0.01
Cwf19l2	6.5	7.9	4.6	26.4	23.6	16.8	6.5	6.998200648	4.440395931	2.685813132	3.37734229	2.716082685	-1.030899378	0.02	692	0.02
Eppk1	14.1	14.4	10.7	50.5	37	47.4	14.1	12.75621384	10.32874706	5.137634968	5.294985793	7.663233291	-1.039060056	0.01	693	0.01
Pkm	11.4	18.4	16.7	57.7	42.6	56.8	11.4	16.29960657	16.12056784	5.870129459	6.096389048	9.182946222	-1.050974076	0.02	694	0.02
Mrp2	13.4	12	14.4	48.8	42.7	44.5	13.4	10.6301782	13.90036987	4.96468488	6.110699821	7.194385685	-1.053901716	0.01	695	0.01
Ranbp2	328	305	363.7	1212.3	1122.9	1043.2	328	270.1836959	351.0808696	123.3337598	160.6956634	168.655801	-1.068302013	0.00	696	0.00
Psip1	174.7	193.1	162.2	636	621.7	531.1	174.7	171.0572842	156.5722218	64.70368	88.97007209	85.86378061	-1.068382292	0.00	697	0.00
Nup107	7.9	10.6	9.3	34	24.7	33.6	7.9	9.389990743	8.977322209	3.459001761	3.534760786	5.432165371	-1.079915035	0.00	698	0.00
Eef1g	448.3	507.4	402.9	1657.2	1210.8	1649.9	448.3	449.4793682	388.9207654	168.5958152	173.2748324	266.7419537	-1.080079761	0.00	699	0.00
Ddx47	49.4	56.4	50.4	206.2	176	145.1	49.4	49.96183754	48.65129455	20.97782833	25.18695945	23.45854748	-1.088082349	0.00	700	0.00
Ppia	41.7	63.8	51	198.1	144.1	175.6	41.7	56.51711409	49.23047663	20.15377202	20.62182305	28.38953093	-1.092085549	0.01	701	0.01
Dido1	6.3	6.6	4.3	22.2	18.6	16.5	6.3	5.84659801	4.150804892	2.258524679	2.661803669	2.667581209	-1.102867692	0.01	702	0.01
Rfc3	11.2	13.7	13.9	50	40.3	37.6	11.2	12.13612011	13.41771814	5.086767295	5.767241283	6.078851724	-1.118069226	0.00	703	0.00
Pgap1	26	27.2	34.5	116.3	99.2	75.7	26	24.09507059	33.30296949	11.83182073	14.19628623	12.23853924	-1.123926015	0.01	704	0.01
Hat1	20.3	24.5	26.5	100.4	68.8	67.7	20.3	21.70328049	25.58054178	10.21422873	9.84581142	10.94516654	-1.124167439	0.00	705	0.00
Snd1	38.8	39.3	36.4	149	106.1	119.9	38.8	34.8138336	35.13704607	15.15856654	15.18372953	19.38442345	-1.128933906	0.00	706	0.00
Elf3h	11.5	15.5	8.8	40.3	34.8	39.2	11.5	13.73064684	8.494670477	4.09993444	4.9801488	6.337526266	-1.129252924	0.02	707	0.02
Nmnat1	69.9	94.4	81.2	305.3	252.7	239.7	69.9	83.6240685	78.38264122	31.05980111	36.16332189	38.75267974	-1.129809667	0.00	708	0.00
Iqgap1	53.1	73.5	64.7	218.4	193.8	201.6	53.1	65.10984147	62.45513408	22.21899955	27.73427694	32.59299222	-1.130041938	0.00	709	0.00
Ddx52	176.5	217.7	195.8	781	623.5	530.7	176.5	192.8491495	189.0064181	79.45530515	89.227666	85.79911197	-1.133620054	0.00	710	0.00
Cdc37	4.8	5.7	3.2	14.5	12.5	16.2	4.8	5.049334645	3.088971083	1.475162516	1.788846552	2.619079732	-1.137020991	0.03	711	0.03
Xpo1	349.8	413	372.3	1371.3	1141.3	1136	349.8	365.8552997	359.3824794	139.5096798	163.3288456	183.6589244	-1.143883212	0.00	712	0.00
Cip1tm1	22.7	40.3	30.9	119.9	86.9	91.4	22.7	35.69986179	29.82787702	12.19806797	12.43606123	14.77678318	-1.162634218	0.01	713	0.02
Scfd1	32.7	41.6	39.6	134.5	106.4	116.5	32.7	36.85128442	38.22601715	13.68340402	15.22666185	18.83474005	-1.174637673	0.00	714	0.00
Rplp1	72.3	66.1	71.1	248.3	216.9	197.2	72.3	58.55456492	68.63307624	25.26088639	31.04006536	31.88163724	-1.177733631	0.00	715	0.00
Exosc9	16	19.6	17.1	62.5	52.2	50.1	16	17.36262439	16.60321957	6.358459119	7.4702232	8.09974658	-1.188139772	0.00	716	0.00
Noc4l	13.6	17.5	13.5	51.5	45.4	40.9	13.6	15.50234321	13.03159676	5.239370314	6.497090676	6.612367966	-1.199294838	0.00	717	0.00
Rbm45	28	34.2	27.6	111.3	90.6	75.3	28	30.29600787	26.64237559	11.323144	12.96555981	12.17387061	-1.220000226	0.00	718	0.00
Prpf4	14.5	16.6	10.6	50.3	37.1	40.2	14.5	14.70507984	10.23221681	5.117287899	5.309296565	6.499197854	-1.22033814	0.01	719	0.01
Pno1	35.1	48.1	77.3	204.5	157.9	131.9	35.1	42.60929762	74.61795772	20.80487824	22.59670964	21.32448251	-1.234755277	0.07	720	0.09
Slc25a1	6.3	4.1	4.7	17	15.5	13.5	6.3	3.631977551	4.536926278	1.72950088	2.218169724	2.182566444	-1.23894086	0.03	721	0.03
Hells	6.6	7.7	5	23.8	14	20.2	6.6	6.821031011	4.826517317	2.421301233	2.003508138	3.265766086	-1.246539183	0.01	722	0.01
Utf1	29.5	36.8	29.7	99.4	97.2	86.9	29.5	32.59921315	28.66951286	10.11249338	13.91007079	14.04926103	-1.253471573	0.00	723	0.00
Aars	2.5	6.4	5.9	11.3	11.8	17.8	2.5	5.669428373	5.695290434	1.149609409	1.688671145	2.877754274	-1.278331745	0.08	724	0.09
Dnaia3	77.1	87.2	93.3	274.7	253.1	224.4	77.1	77.24596158	90.06281313	27.94669952	36.22056498	36.27910444	-1.282870669	0.00	725	0.00
Utp6	262.1	333.7	277.7	954.3	832.1	760.2	262.1	295.6075388	268.0647718	97.0860406	119.0799373	122.9027415	-1.284166348	0.00	726	0.00
Abcf2	4	5.8	4.7	12.3	17.2	11.7	4	5.137919463	4.536926278	1.251344755	2.461452855	1.891557584	-1.28690426	0.00	727	0.01
Nol6	704.1	742.6	730.9	2276	1906	2109.7	704.1	657.8308609	705.5403014	231.5496473	272.7633222	341.0785501	-1.290175661	0.00	728	0.00
Pfkl	17.9	21.2	33.7	84.3	70	59.1	17.9	18.77998149	32.53072671	8.57628966	10.01754069	9.554790875	-1.297931009	0.05	729	0.05
BC016423; Fam208b	11.8	15.5														

Galk1	79.9	111.5	88.4	274.8	234.1	275.1	79.9	98.77207244	85.33282616	27.95687306	33.50151822	44.47585397	-1.317395656	0.00	735	0.00
Nup160	6.7	6	5.5	19.1	16.4	16.4	6.7	5.3150891	5.309169048	1.943145107	2.346966676	2.65141405	-1.31946885	0.00	736	0.00
Acaca	45.4	60	44.2	162.2	129.6	132.8	45.4	53.150891	42.66641308	16.50147311	18.54676105	21.46998694	-1.321128917	0.00	737	0.00
Ruvbl1	106.6	59.8	43.3	231.7	182.9	189.1	106.6	52.97372136	41.79763965	23.57207965	26.17440274	30.57209737	-1.326052866	0.12	738	0.13
Urb1	10	19.2	9.9	40.9	32.9	34.9	10	17.00828512	9.556504287	4.160975648	4.708244124	5.642338436	-1.333252613	0.04	739	0.05
Rps6-ps4; Rps6; LOC105244208	1109.5	1186.5	1452.1	3893	3226.5	3409.3	1109.5	1051.058869	1401.717159	396.0557016	461.7370719	551.1869464	-1.338148464	0.00	740	0.00
Usp7	29	38.5	32.6	104.2	94.6	81.4	29	34.10515506	31.46889291	10.60082304	13.5379907	13.1600673	-1.342311998	0.00	741	0.00
Nosip	21.2	23.7	22.2	67.7	64.4	55.5	21.2	20.99460194	21.42973689	6.887482918	9.216137434	8.972773157	-1.343248885	0.00	742	0.00
Nsmce2	21	27.8	25.6	79.5	71.1	57.2	21	24.6265795	24.71176866	8.08796	10.17495919	9.247614857	-1.354327309	0.00	743	0.00
Arglu1	540.1	479.2	387.7	1473.5	1357.3	1085.5	540.1	424.4984494	374.2481527	149.9070322	194.240114	175.4945092	-1.365401684	0.01	744	0.01
Fam98b	46.5	67.3	68.2	182.2	153.4	160.8	46.5	59.61758274	65.8336962	18.53618002	21.95272488	25.99679142	-1.370883947	0.00	745	0.01
Ppie	43.6	65.1	62.1	174.9	142.4	144.7	43.6	57.66871673	59.94534507	17.793512	20.37853992	23.39387884	-1.388773467	0.00	746	0.00
Dnajb11	22.2	31.2	24.6	79.8	70.8	59.2	22.2	27.63846332	23.7464652	8.118480603	10.13202687	9.570958034	-1.403211891	0.00	747	0.00
Dhfr	36.1	32.4	28.5	90.1	80.4	87.9	36.1	28.70148114	27.51114871	9.166354666	11.50586102	14.21093262	-1.403997792	0.00	748	0.00
Smc3	28.4	28.9	29	85.1	66.7	75.6	28.4	25.6010125	27.02849697	8.657677937	9.5452852	12.22327208	-1.413174249	0.00	749	0.00
H2afy	14.6	12.8	18.1	45	44.1	35.7	14.6	11.33885675	18.43729615	4.578090566	6.311050634	5.771675706	-1.413325461	0.01	750	0.01
Anp32b	3.8	5.4	3.4	8.5	10.9	12.5	3.8	4.78358019	3.282031775	0.86475044	1.559874193	2.020894855	-1.416362586	0.01	751	0.01
Maged1	52.8	67.2	61	170.2	153.9	152.3	52.8	59.52899792	58.88351126	17.31535587	22.02427874	24.62258292	-1.42049625	0.00	752	0.00
Ywhae	9.6	9.3	8.5	32.1	24.4	18.1	9.6	8.238388105	8.205079438	3.265704604	3.491828469	2.92625575	-1.427278025	0.00	753	0.00
Xpo5	62.7	87	62.3	190.2	167.1	191.8	62.7	77.06879195	60.13840577	19.35006279	23.9133007	31.00861066	-1.428440587	0.00	754	0.00
Cct5	204.8	254.5	247.4	714.9	566.7	570.5	204.8	225.4483626	238.8160768	72.73059879	81.09914727	92.23364119	-1.443115158	0.00	755	0.00
Trmpo	90.8	107	111.5	284.9	258.9	255.2	90.8	94.78575561	107.6313362	28.98440005	37.05058978	41.25858936	-1.450405458	0.00	756	0.00
Msh2	8.4	10	12.7	30.7	24.6	25.2	8.4	8.858481833	12.25935398	3.123275119	3.520450014	4.074124028	-1.461571533	0.01	757	0.01
Atp5b	114.5	111.4	122.5	332.9	282.9	276.8	114.5	98.68348762	118.2496743	33.86769665	40.48517516	44.75069567	-1.476501334	0.00	758	0.00
Psmd11	258	283.2	291	802.6	627.9	692.6	258	250.8722055	280.9033078	81.65278862	89.85733998	111.9737421	-1.478175985	0.00	759	0.00
Wars	39.3	43	41.3	121.4	99.1	94.4	39.3	38.09147188	39.86703304	12.35067099	14.18197546	15.26179795	-1.48830948	0.00	760	0.00
Lig1	33.8	54.4	43.7	129.3	106.7	96.8	33.8	48.19014117	42.18376135	13.15438023	15.26959417	15.64980976	-1.49463932	0.00	761	0.00
Nol8	17.4	20.4	23.2	55.7	52	44.1	17.4	18.07130294	22.39504035	5.666658767	7.441601655	7.129717049	-1.515659361	0.00	762	0.00
Clk2	52.9	65.9	55.2	156.6	132.5	138.3	52.9	58.37739528	53.28475118	15.93175517	18.96177345	22.35918068	-1.523216646	0.00	763	0.00
Mcm7	143.3	180.6	171.3	482	369.2	376	143.3	159.9841819	165.3564833	49.03643673	52.83537175	60.78851724	-1.526619738	0.00	764	0.00
Ccar1	146.4	154.8	145	418.1	349	335.2	146.4	137.1292988	139.9690022	42.53554812	49.94459572	54.19231644	-1.52975817	0.00	765	0.00
Ldha	52.6	62.8	47.7	155.8	118.9	124.5	52.6	55.63126591	46.0449752	15.80366889	17.0155084	20.12811276	-1.541615294	0.00	766	0.00
Kif22	5.5	8.5	6.5	16.9	16.3	15.6	5.5	7.529709558	6.274472512	1.719327346	2.332655903	2.522076779	-1.554056893	0.00	767	0.00
Rpl17	1557.7	1731.8	1822.2	4522	3669	4116.9	1557.7	1534.111884	1758.975971	460.0472342	525.0622398	665.5857624	-1.555145302	0.00	768	0.00
Tex10	15.6	16.7	16.7	46.9	36.7	35.4	15.6	14.79366466	16.12056784	4.771387723	5.252053476	5.72317423	-1.562630452	0.00	769	0.00
LOC100045999; Ran; LOC10264133	7.1	9.1	12.6	24.7	18.4	25.1	7.1	8.061218468	12.16282364	2.512863044	2.633182124	4.057956869	-1.569837712	0.02	770	0.02
Mrpl23; Mrpl23-ps1	19	29.3	22.3	54.8	59.5	47.8	19	25.95535177	21.52626723	5.575096956	8.514909586	7.727901926	-1.607442709	0.00	771	0.00
Rpa1	13.6	14.5	11.8	36.6	27.5	29.1	13.6	12.84479866	11.39058087	3.72351366	3.935462414	4.074643223	-1.613634781	0.00	772	0.00
Aak1	55.2	75.5	78.9	185.6	125.4	169.2	55.2	66.88153784	76.16244326	18.8820802	17.94570861	27.35483276	-1.627022441	0.00	773	0.00
Gcn11	5.1	9.1	6.5	17.7	14.6	14.6	5.1	8.061218468	6.274472512	1.800715623	2.089372772	2.360405191	-1.636666374	0.01	774	0.01
Rrp8	45.3	41.4	37.6	100.4	97.4	84	45.3	36.67411479	36.29541022	10.21422873	13.93869233	13.58041343	-1.648166875	0.00	775	0.00
Snrpg	12.5	11.6	13.9	28.1	23.9	31.4	12.5	10.27583893	13.03159676	2.85876322	3.420274607	5.076487876	-1.656864708	0.00	776	0.00
Sympk	28.5	39.5	36.7	93.1	78.1	64.7	28.5	34.99100324	35.4266371	9.471560704	11.17671325	10.46015177	-1.668922437	0.00	777	0.00
Cep72	217.5	218.9	201.5	535	423	467.2	217.5	193.9121673	194.5086479	54.42841006	60.53456731	75.53296611	-1.669368991	0.00	778	0.00
Zcchc8	230.4	236.9	229.9	613.8	474.3	474.1	230.4	209.8574346	221.9232662	62.44515532	67.87599356	76.64850007	-1.677805745	0.00	779	0.00
Pxdn	13.1	16.1	11.8	33.6	26.6	28.2	13.1	14.26215575	11.39058087	3.418307622	3.806665462	4.559138793	-1.717455161	0.00	780	0.00
Drp2	7.4	15.9	17.9	32.8	28.3	26.4	7.4	14.08498611	17.27893199	3.336919346	4.049948593	4.268129934	-1.733765659	0.04	781	0.04
Timm23	23.2	30.5	25.7	54.3	49.6	59.5	23.2	27.01836959	24.80829901	5.524229283	7.098143117	9.619459511	-1.754127882	0.00	782	0.00
Dsp	22.2	18.4	29.9	49.6	63.8	35.2	22.2	16.29960657	28.86257355	5.046073157	9.1302728	5.690839912	-1.761551298	0.01	783	0.02
Nup54	13	14.3	13.1	32.1	23.5	28.8	13	12.66762902	12.64547537	3.265704604	3.363031517	4.656141746	-1.763447123	0.00	784	0.00
Ddx51	27	34.3	26	63.1	59.3	57.2	27	30.38459269	25.09789005	6.419500327	8.486288041	9.247614857	-1.771861279	0.00	785	0.00
Smc2	6.8	6.7	5.8	14.3	12.1	13.2	6.8	5.935182828	5.598760087	1.454815446	1.731603462	2.134064967	-1.784887723	0.00	786	0.00
Kpna2	1091.7	1170.3	1153.5	2590.2	2206.9	2215.9	1091.7	1036.708129	1113.477545	263.514893	315.8244364	358.2480728	-1.789808124	0.00	787	0.00
Mif2	31.4	29.2	28.3	57.9	56	65.3	31.4	25.86676695	27.31808801	5.890476528	8.014032552	10.55715472	-1.789876835	0.00	788	0.00
Serpinc1	175.9	237.8	229.1	473.7	421.4	414	175.9	210.654698	221.1510235	48.19203336	60.30559495	66.9320376	-1.79248014	0.00	789	0.00
Eif5a	327.1	490.4	301.1	880.3	798.5	581.2	327.1	434.4199491	290.6528728	89.557625	114.2715177	93.96352719	-1.820991542	0.00	790	0.00
Usp39	15	16.4	22.3	46.5	34.8	28.2	15	14.52791021	21.52626723	4.730693585	4.9801488	4.559138793	-1.839045581	0.01	791	0.01
Cad	283.5	321.1	283.4	669.2	543.2	540.9	283.5	284.4458517	273.5670015	68.08129348	77.73611575	87.44816217	-1.851011917	0.00	792	0.00
Grn	93	85.6	80.6	181.9	167.5	152.5	93	75.82860449	77.80345915	18.50565942	23.97054379	24.65491723	-1.87730674	0.00	793	0.00
Ubap2l	9.5	10.4	10.6	23.6	15.4	19.6	9.5	9.212821106	10.23221671	2.400954163	2.203858952	3.168763133	-1.896666571	0.00	794	0.00
Parp1	53.7	57.3	54.5	111.8	98.8	99.4	53.7	50.7591009	52.60903875	11.37401167	14.13904314	16.07015589	-1.917317508	0.00	795	0.00
Bub3	110.4	145	202.7	390.7	262.8	224.6	110.4	128.4479866	195.667012	39.74799965	37.6087099	36.31143876	-1.934577933	0.01	796	0.02
Psme3	329.3	327.6	272.9	62												

Drg1	45	51.7	51.1	99.8	80	77.8
Heiz	12.9	16.9	16.9	33.9	21.4	25.4
Gapdh; Gm20899; LOC100042025; (1482.3	1176.7	1278.2	2465	2427.3	1794.3
Flna	6.4	7.6	8.8	15.4	10	13
Gcfc1; Paxbp1	32.8	33.8	35	57.8	53.3	53.3
Vezt	25.7	37.9	28.2	53.7	44.8	45.3
Mtch2	11.5	12.5	9.1	20.3	14.8	17
Prrc2a	4.3	9.6	7.7	12.8	11.6	9
Hist1h2ba	51.6	80.2	39.8	100.8	82.7	76.7
Hist2h2ab	8.7	9.1	8.3	14.7	13.8	9.8
Slc3a2	259.2	282.5	277	434.8	369.9	369
Tll12	140.3	164.4	147.2	225.8	203.1	165.1
Psmc3	76	92.3	100.5	121.7	112	106.8
Srpb	11.8	19.2	13.2	22.4	16.2	16
Alb	18.8	17.2	20.4	24.8	20.4	23.2
Trnt1	243.1	246.1	225.2	330.8	249.1	261.8
Acsf4	90.9	105.6	105.7	129.4	107	104.8
Dnaja1	11	13.5	12.4	15.8	12.2	12.3
Ppard	247.2	291.2	260.9	341.7	285.1	234.7
Igkv6-17	182	224.5	201	240.9	225.6	178.3
Kpna4	18.3	20.5	17.6	24.1	19.8	16.1
Ighg2a; Ighg	81.5	21.1	19.3	11.1	7.3	94
Pkdrej	79.4	111.1	89.6	118.1	99.4	75.9
Akap5	167.9	241.1	229.7	311.3	241.5	132.8
Ighg1	259.2	286.1	314.9	328.7	289.3	238.3
Fam76b	134.5	114.4	93.1	100.5	90.4	131.9
Hid1	166.6	204.8	206.5	223.9	190.2	152.1
Ighg2a	384	473.5	438.1	530.7	416.9	307.4
1110038D17Rik; Gucd1	69.4	110.3	91.1	92	69	75.6
Rpsa; LOC100045332; LOC1005050	511	482.6	477.4	446.6	379.3	392.6
Ttc21a	524.7	581.3	566.9	528.5	427.9	418.8

45	45.79835108	49.32700698	10.15318752	11.44861793	12.57804958	-2.035499876	0.00	802	0.00
12.9	14.9708343	16.31362853	3.448828226	3.062505296	4.106458346	-2.057055378	0.00	803	0.00
1482.3	1042.377557	1233.850887	250.7776277	347.3653788	290.0873311	-2.081162169	0.00	804	0.00
6.4	6.732446193	8.494670477	1.566724327	1.431077241	2.101730649	-2.084404519	0.00	805	0.00
32.8	29.9416686	33.78562122	5.880302993	7.627641696	8.617095663	-2.125256787	0.00	806	0.00
25.7	33.57364615	27.22155767	5.463188075	6.411226041	7.323722955	-2.171653814	0.00	807	0.00
11.5	11.07310229	8.784261516	2.065227522	2.117994317	2.748417003	-2.177535885	0.00	808	0.00
4.3	8.50414256	7.432836668	1.302212428	1.6600496	1.455044296	-2.195755169	0.01	809	0.01
51.6	71.0450243	38.41907784	10.25492287	11.83500879	12.40021083	-2.223378989	0.01	810	0.01
8.7	8.061218468	8.012018746	1.495509585	1.974886593	1.584381566	-2.293062839	0.00	811	0.00
259.2	250.2521118	267.3890593	44.2345284	52.93554716	59.65681613	-2.308446698	0.00	812	0.00
140.3	145.6334413	142.0926698	22.97184111	29.06517877	26.69197925	-2.442731766	0.00	813	0.00
76	81.76378732	97.01299807	12.3811916	16.0280651	17.26652564	-2.479732484	0.00	814	0.00
11.8	17.00828512	12.74200572	2.278871748	2.318345131	2.586745415	-2.532006892	0.00	815	0.00
18.8	15.23658875	19.69219065	2.523036578	2.919397572	3.750780851	-2.547053677	0.00	816	0.00
243.1	218.0072379	217.3863399	33.65405243	35.64813408	42.32562185	-2.603638689	0.00	817	0.00
90.9	93.54556816	102.0325761	13.16455376	15.31252648	16.94318247	-2.657017123	0.00	818	0.00
11	11.95895047	11.96976295	1.607418465	1.745914234	1.988560538	-2.708990455	0.00	819	0.00
247.2	257.958991	251.8476736	34.7629677	40.80001215	37.9443218	-2.737520896	0.00	820	0.00
182	198.8729171	194.0259961	24.50804483	32.28510256	28.82604421	-2.747302174	0.00	821	0.00
18.3	18.15988776	16.98934095	2.451821836	2.833532938	2.602912574	-2.760388776	0.00	822	0.00
81.5	18.69139667	18.63035684	1.12926234	1.044686386	15.19712931	-2.77403979	0.19	823	0.19
79.4	98.41773316	86.49119032	12.01494435	14.22490778	12.27087356	-2.778892919	0.00	824	0.00
167.9	213.577997	221.7302055	31.67021318	34.56051538	21.46998694	-2.781995529	0.00	825	0.00
259.2	253.4411652	303.9740606	33.4404082	41.40106459	38.52633952	-2.848645382	0.00	826	0.00
134.5	101.3410322	89.86975244	10.22440226	12.93693826	21.32448251	-2.87217394	0.00	827	0.00
166.6	181.4217079	199.3351652	22.77854395	27.21908913	24.5902486	-2.875468608	0.00	828	0.00
384	419.4491148	422.8994473	53.99094807	59.66161019	49.69784628	-2.908327158	0.00	829	0.00
69.4	97.70905462	87.93914551	9.359651823	9.874432965	12.22237208	-3.019341834	0.00	830	0.00
511	427.5103333	460.8358734	45.43500548	54.28075976	63.47226561	-3.100145787	0.00	831	0.00
524.7	514.9435489	547.2305334	53.76713031	61.23579516	67.70806123	-3.118552362	0.00	832	0.00

GFP	4593.3	5185.2	4758.4	45149.5	32096.8	28411.3
GFP correction	1	0.885848183	0.965303463	0.101735346	0.143107724	0.161671588

4593.3	4593.3	4593.3	4593.3	4593.3	4593.3
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Supplemental Table 8: Genes with significant change in gene expression upon KD of *Srsf3* quantified with DESeq2. Adjusted P-value > 0.1.

Ensembl_gene_ID	Base_Mean	Log2_fold_change	P-value	Adjusted_p-value	Gene_name
ENSMUSG00000038793.8	5751.5584	-1.67677775	1.79E-233	3.89E-229	Lefty1
ENSMUSG00000061353.11	11113.28491	-1.55773155	3.66E-173	3.97E-169	Cxcl12
ENSMUSG00000060261.15	10527.51178	-1.264878464	5.42E-156	3.92E-152	Gtf2i
ENSMUSG00000075254.12	12374.0235	-1.322633849	3.96E-133	2.15E-129	Heg1
ENSMUSG00000040618.7	6700.178172	-1.200048613	3.59E-132	1.56E-128	Pck2
ENSMUSG00000032494.12	12955.22456	-1.122389767	3.58E-124	1.30E-120	Tdgf1
ENSMUSG00000020142.12	11303.97317	-1.041891504	1.02E-116	3.16E-113	Slc1a4
ENSMUSG00000071172.12	14081.66468	-0.98115979	5.36E-114	1.45E-110	Srsf3
ENSMUSG00000040669.14	24775.86484	-0.961087786	5.75E-107	1.39E-103	Phc1
ENSMUSG00000041313.14	6010.943756	-1.089819907	2.50E-105	5.43E-102	Slc7a1
ENSMUSG00000003814.8	39617.62464	0.92489261	5.13E-105	1.01E-101	Calr
ENSMUSG00000007038.5	4427.156709	1.260970207	3.56E-102	6.44E-99	Neu1
ENSMUSG00000070436.12	4400.487011	-1.203939005	5.05E-100	8.42E-97	Serpinh1
ENSMUSG00000015837.15	12380.90138	0.871209233	1.77E-96	2.74E-93	Sqstm1
ENSMUSG00000076281.1	3833.752863	1.532048661	3.97E-95	5.74E-92	Gm24270
ENSMUSG00000030096.8	18199.43729	-0.866118815	2.26E-91	3.07E-88	Slc6a6
ENSMUSG00000046434.16	68705.66934	-0.677796878	2.00E-90	2.55E-87	Hnrnpa1
ENSMUSG00000038872.10	3009.370477	1.275987998	9.16E-89	1.10E-85	Zfhx3
ENSMUSG00000020695.14	4106.5077	-1.119972829	1.07E-86	1.22E-83	Mrc2
ENSMUSG00000027848.12	523.8568584	6.351137496	1.41E-86	1.53E-83	Olfml3
ENSMUSG00000082062.1	13736.51921	0.824055102	4.61E-86	4.76E-83	Ftl2-ps
ENSMUSG00000015656.17	120482.013	0.670495012	5.06E-86	4.99E-83	Hspa8
ENSMUSG00000024247.14	3490.537476	-1.36868207	1.91E-85	1.80E-82	Pkdcc
ENSMUSG00000023951.17	3400.738199	-1.200205847	7.51E-84	6.79E-81	Vegfa
ENSMUSG00000020303.2	6220.448811	-0.957470528	6.29E-83	5.46E-80	Stc2
ENSMUSG00000095567.7	13942.59983	-0.767796228	1.20E-80	1.00E-77	Noc2l
ENSMUSG00000088609.1	3320.049481	1.520897933	2.72E-80	2.18E-77	Gm24187
ENSMUSG00000021477.9	20061.24991	0.920188751	2.92E-80	2.27E-77	Ctsl
ENSMUSG00000093798.2	38560.64198	0.69653641	2.81E-79	2.10E-76	RP23-299H4.3
ENSMUSG00000012396.12	4781.56294	-1.033537612	4.99E-79	3.61E-76	Nanog
ENSMUSG00000027864.9	7287.622387	-0.891126385	8.15E-79	5.70E-76	Ptgfrn
ENSMUSG00000058542.3	13574.12239	0.810470831	1.72E-77	1.16E-74	RP23-162K2.5
ENSMUSG00000043541.16	373.434175	5.343132377	1.87E-77	1.23E-74	Casc1
ENSMUSG00000107951.1	28851.07477	0.691415807	3.34E-76	2.13E-73	RP24-407P8.1
ENSMUSG00000068740.13	2465.4364	-1.251578168	2.26E-75	1.40E-72	Celsr2
ENSMUSG00000055531.12	7193.169153	-1.063265477	2.94E-71	1.77E-68	Cpsf6
ENSMUSG00000027379.13	7125.598344	-0.861841245	1.14E-70	6.66E-68	Bub1
ENSMUSG00000025938.16	3012.662276	-1.161440524	1.26E-70	7.22E-68	Slco5a1
ENSMUSG00000033965.10	2134.561333	-1.431499123	2.70E-70	1.50E-67	Slc16a2
ENSMUSG00000062421.13	1991.588305	1.492343138	1.48E-67	8.06E-65	Arf2
ENSMUSG00000028034.15	13985.8324	-0.845297827	1.89E-67	1.00E-64	Fubp1
ENSMUSG00000027950.7	582.2602789	2.4310537	9.56E-67	4.94E-64	Chrn2
ENSMUSG00000098973.1	4805.134375	1.16663358	1.03E-66	5.21E-64	Mir6236
ENSMUSG00000069769.13	8379.211555	-0.830980021	4.81E-66	2.37E-63	Msi2
ENSMUSG00000088246.1	2525.444628	1.502290473	7.22E-66	3.48E-63	Gm25911
ENSMUSG00000031328.15	36284.29231	-0.619748756	3.45E-65	1.63E-62	Flna
ENSMUSG00000034648.9	2675.018101	-1.183308763	3.54E-65	1.63E-62	Lrrn1
ENSMUSG00000015869.16	4132.884314	-0.996007397	7.70E-65	3.48E-62	Prpsap1
ENSMUSG00000078134.1	4418.720757	-1.015416496	1.52E-64	6.72E-62	RP23-438D7.4
ENSMUSG00000029560.12	2770.83421	1.117441872	4.34E-64	1.88E-61	Snx8
ENSMUSG00000000168.9	4363.088882	-1.025386269	7.12E-64	3.03E-61	Dlat
ENSMUSG00000037169.15	4763.365342	-0.897786669	2.51E-63	1.05E-60	Mycn
ENSMUSG00000050708.16	25243.63854	0.777409461	1.67E-62	6.84E-60	Ftl1
ENSMUSG00000022462.7	25906.79423	-0.623248195	5.00E-62	2.01E-59	Slc38a2
ENSMUSG00000028744.15	1622.410763	1.385493153	8.08E-62	3.19E-59	Pqlc2
ENSMUSG00000020300.14	1793.788216	1.391791319	1.44E-61	5.59E-59	Cpeb4
ENSMUSG00000000184.12	1782.326294	-1.31835506	3.95E-61	1.50E-58	Ccnd2
ENSMUSG00000035202.8	8826.933093	1.025477148	2.18E-60	8.15E-58	Lars2
ENSMUSG00000024095.15	4476.236868	-0.96246481	3.34E-60	1.23E-57	Hnrnp11
ENSMUSG00000000568.15	12243.51503	-0.701586773	3.45E-60	1.25E-57	Hnrnpd
ENSMUSG00000027070.14	18415.11744	-0.641441316	6.86E-60	2.44E-57	Lrp2
ENSMUSG00000024998.17	4974.835839	-0.952988645	7.28E-60	2.55E-57	Plice1
ENSMUSG00000058922.7	17167.77744	-0.669111275	1.37E-59	4.70E-57	RP23-252G18.2
ENSMUSG00000114584.1	268.8264764	4.367835338	7.19E-59	2.44E-56	RP23-379C1.4
ENSMUSG00000038146.7	4725.097492	-0.872006444	7.99E-59	2.65E-56	Notch3
ENSMUSG00000052331.14	15933.71898	-0.73345545	8.06E-59	2.65E-56	Ankrd44
ENSMUSG00000017999.16	5358.022084	-0.841515834	4.48E-58	1.45E-55	Ddx27

ENSMUSG00000026864.13	36193.52728	0.67694478	5.39E-58	1.72E-55	Hspa5
ENSMUSG00000028134.11	4437.321338	-0.952412497	9.63E-58	3.03E-55	Ptbp2
ENSMUSG00000029175.17	1964.41235	1.240071588	1.16E-57	3.59E-55	Slc35f6
ENSMUSG00000001415.10	7714.256718	0.745023414	1.27E-57	3.87E-55	Smg5
ENSMUSG00000033105.12	14298.12964	0.64664477	1.31E-57	3.96E-55	Lss
ENSMUSG00000035107.13	6876.767489	-0.895141756	5.01E-57	1.49E-54	Dcbld2
ENSMUSG00000025139.14	3214.003045	1.000525815	6.93E-57	2.03E-54	Tollip
ENSMUSG00000034462.9	3528.618768	-1.026748861	1.97E-56	5.71E-54	Pkd2
ENSMUSG00000041215.16	4580.422015	-0.863945022	1.80E-55	5.14E-53	Yeats2
ENSMUSG00000021765.9	5460.42058	-0.968228989	5.25E-55	1.48E-52	Fst
ENSMUSG00000027744.4	450.6314018	7.406296571	1.09E-54	2.98E-52	Stoml3
ENSMUSG00000079710.10	598.6435364	2.21519672	1.08E-54	2.98E-52	RP23-464D14.6
ENSMUSG00000034437.8	3803.069707	-0.969936615	1.14E-54	3.09E-52	RP23-453M11.1
ENSMUSG000000115662.1	13100.84048	0.642771848	3.17E-54	8.50E-52	RP24-325G24.1
ENSMUSG00000016918.15	5793.201999	-0.828419442	1.03E-53	2.72E-51	Sulf1
ENSMUSG00000018846.8	10148.22621	0.76436144	3.32E-53	8.69E-51	Pank3
ENSMUSG00000005360.14	4487.620026	-0.842217873	3.41E-53	8.80E-51	Slc1a3
ENSMUSG00000073633.9	269.3228372	3.653176184	1.49E-52	3.80E-50	Fbxo36
ENSMUSG00000020541.12	2290.700219	-1.078339954	1.51E-52	3.81E-50	Tom111
ENSMUSG00000079614.3	12072.7271	-0.69051393	2.08E-52	5.19E-50	Seh1l
ENSMUSG00000018474.17	1443.925342	-1.339833427	2.99E-52	7.37E-50	Chd3
ENSMUSG00000002221.11	2940.115881	-1.008079714	3.30E-52	8.05E-50	Paxip1
ENSMUSG00000086324.8	2062.496635	1.385005755	3.56E-52	8.58E-50	RP24-459O21.3
ENSMUSG00000083311.3	9757.968799	-0.695340123	3.67E-52	8.76E-50	RP23-161L11.6
ENSMUSG00000046636.5	9480.399481	-0.701549572	3.91E-52	9.22E-50	RP23-305H1.1
ENSMUSG00000031532.6	5142.510634	0.884515811	1.08E-51	2.52E-49	Saraf
ENSMUSG00000034926.3	46152.5989	0.537471749	1.14E-51	2.63E-49	Dhcr24
ENSMUSG00000086228.2	259.2097566	5.380862308	1.87E-51	4.26E-49	Ubap1l
ENSMUSG00000025219.13	1951.232059	-1.259164678	2.95E-51	6.67E-49	Fgf8
ENSMUSG00000030265.14	12505.76897	-0.740957581	4.32E-51	9.67E-49	Kras
ENSMUSG00000030122.12	7094.262124	-0.767547301	5.85E-51	1.30E-48	Ptms
ENSMUSG00000062093.5	17598.52501	0.587411743	1.52E-50	3.33E-48	RP23-3B20.1
ENSMUSG00000066652.5	1210.367323	-1.403466742	1.86E-50	4.03E-48	Lefty2
ENSMUSG00000039220.16	4499.435694	0.85342396	2.38E-50	5.12E-48	Ppp1r10
ENSMUSG00000021144.14	6850.80206	-0.737554807	1.03E-49	2.18E-47	Mta1
ENSMUSG00000028426.10	11349.64342	-0.655848486	1.24E-49	2.62E-47	Rad23b
ENSMUSG00000095834.2	2332.62034	-1.125919906	1.34E-49	2.80E-47	RP24-334F11.3
ENSMUSG00000020190.13	4664.999991	0.82843208	8.47E-49	1.75E-46	Mknk2
ENSMUSG00000011257.19	24133.54122	0.560529728	1.44E-48	2.95E-46	Pabpc4
ENSMUSG00000028958.14	684.0565181	1.846211983	1.49E-48	3.01E-46	Tmub1
ENSMUSG00000006024.13	4837.380185	0.806248009	2.05E-48	4.12E-46	Napa
ENSMUSG00000026824.11	3974.013068	-0.848933674	3.64E-48	7.24E-46	Kcnj3
ENSMUSG00000026956.15	1610.910139	1.357504604	6.45E-48	1.27E-45	Uap111
ENSMUSG00000005481.18	9808.454323	0.676122295	7.52E-48	1.47E-45	Ddx39
ENSMUSG00000042751.14	2306.66121	-1.037806457	9.58E-48	1.86E-45	Nmnat2
ENSMUSG00000028420.13	716.7906726	1.765107691	1.12E-47	2.16E-45	Tmem38b
ENSMUSG00000037151.8	787.2226358	1.680798452	1.73E-47	3.30E-45	Lrrc20
ENSMUSG000000022483.17	1346.958538	-1.367719189	2.09E-47	3.94E-45	Col2a1
ENSMUSG00000015653.13	3108.087685	-1.02192991	5.84E-47	1.09E-44	Steap2
ENSMUSG00000027195.10	8114.084427	0.73257163	9.38E-47	1.74E-44	Hsd17b12
ENSMUSG00000006599.13	3369.495356	0.87062448	1.22E-46	2.23E-44	Gtf2h1
ENSMUSG00000007458.14	19178.87878	0.609479552	1.36E-46	2.47E-44	M6pr
ENSMUSG00000034189.5	1535.181953	1.213803799	2.47E-46	4.47E-44	Hsd1
ENSMUSG00000047139.9	4882.804251	-0.76038252	3.90E-46	6.99E-44	Cd24a
ENSMUSG000000053411.16	7250.113397	-0.704890424	6.07E-46	1.08E-43	Cbx7
ENSMUSG00000026074.15	11192.61185	-0.625425689	1.86E-45	3.29E-43	Map4k4
ENSMUSG00000018761.14	3828.415602	0.851930802	2.17E-45	3.80E-43	Mpdu1
ENSMUSG00000060862.10	2173.108052	1.014708393	2.49E-45	4.33E-43	Zbtb40
ENSMUSG00000026127.13	3717.780778	0.860754095	3.28E-45	5.65E-43	Imp4
ENSMUSG00000030268.17	9878.586162	-0.635491254	3.33E-45	5.69E-43	Bcat1
ENSMUSG00000080242.5	7564.511828	0.706963754	5.08E-45	8.61E-43	RP23-459F14.1
ENSMUSG00000020866.17	1966.542641	-1.061750108	1.32E-44	2.22E-42	Cacna1g
ENSMUSG000000026751.14	1672.926175	-1.163944368	2.61E-44	4.36E-42	Nr5a1
ENSMUSG00000021927.7	6162.690129	-0.728981115	2.88E-44	4.77E-42	RP23-52B2.1
ENSMUSG00000060961.14	4942.882184	-0.840270141	3.36E-44	5.53E-42	Slc4a4
ENSMUSG00000071317.4	370.5137617	2.460104471	5.57E-44	9.09E-42	Bves
ENSMUSG00000018501.17	10113.76169	-0.742104816	6.39E-44	1.04E-41	Ncor1
ENSMUSG00000032715.9	2281.35223	-1.089542391	1.22E-43	1.96E-41	Trib3
ENSMUSG00000062327.10	2588.947923	-1.153554859	1.31E-43	2.08E-41	T
ENSMUSG00000026872.17	2651.852663	-1.090430132	1.62E-43	2.57E-41	Zeb2

ENSMUSG00000062382.9	12787.49358	0.740765952	2.19E-43	3.45E-41	RP23-44G15.5
ENSMUSG00000024759.13	2113.376284	-1.050817957	4.15E-43	6.49E-41	Atf3
ENSMUSG00000004319.15	10206.57822	-0.633319736	4.91E-43	7.61E-41	Ccln3
ENSMUSG00000038214.15	3854.642607	-0.912562523	5.42E-43	8.34E-41	Bend3
ENSMUSG00000028385.14	3156.334361	0.881263109	7.04E-43	1.08E-40	Snx30
ENSMUSG00000003031.14	5186.107919	-0.740981927	7.31E-43	1.11E-40	Cdkn1b
ENSMUSG00000028444.17	1497.239564	-1.202510608	9.71E-43	1.46E-40	Cntfr
ENSMUSG00000015165.16	22749.8458	-0.528761537	1.23E-42	1.84E-40	Hnrnp1
ENSMUSG00000037364.12	13230.74468	0.580810961	1.85E-42	2.75E-40	Srrt
ENSMUSG00000048078.16	2493.213982	-1.046386458	1.94E-42	2.86E-40	Tenm4
ENSMUSG00000028433.14	9742.562851	-0.613052961	2.12E-42	3.11E-40	Ubap2
ENSMUSG00000008348.9	77700.00563	0.477859443	3.21E-42	4.67E-40	Ubc
ENSMUSG00000040557.14	2348.886639	0.953975837	8.92E-42	1.29E-39	Wbscr27
ENSMUSG00000021196.14	10897.98998	-0.778154843	1.50E-41	2.15E-39	Pfkip
ENSMUSG00000024924.14	3153.837204	-0.841659219	1.50E-41	2.15E-39	Vldlr
ENSMUSG00000020818.16	2073.417535	1.027723405	2.12E-41	3.01E-39	Mfsd11
ENSMUSG000000064061.13	1783.550906	1.052507041	3.80E-41	5.36E-39	Dzfp3
ENSMUSG00000016356.18	182.9118871	4.367624045	6.43E-41	9.00E-39	Col20a1
ENSMUSG00000027313.3	2918.081469	-1.129575461	6.65E-41	9.26E-39	Chac1
ENSMUSG00000030279.15	4172.314115	-0.807904928	8.67E-41	1.20E-38	C2cd5
ENSMUSG00000030609.18	3574.144571	0.810909134	8.86E-41	1.22E-38	Aen
ENSMUSG00000079707.10	198.3414218	3.810024201	1.12E-40	1.53E-38	Tcte5
ENSMUSG00000037487.7	19077.31557	-0.635791113	1.43E-40	1.93E-38	Ubr3
ENSMUSG00000005950.14	196.6916124	3.766485715	1.46E-40	1.97E-38	P2rx5
ENSMUSG00000072568.4	698.4527972	-1.637259341	1.51E-40	2.02E-38	Fam84b
ENSMUSG00000025417.8	3091.985113	0.863173485	1.97E-40	2.62E-38	Pip4k2c
ENSMUSG00000031665.7	5036.580518	-0.706433093	3.01E-40	3.99E-38	Sall1
ENSMUSG00000031561.16	13137.44614	-0.588129528	3.06E-40	4.02E-38	Tenm3
ENSMUSG00000097971.3	15068.40698	1.812659355	3.49E-40	4.56E-38	RP23-81C12.1
ENSMUSG00000025666.16	8965.4943	-0.602438833	3.56E-40	4.62E-38	Tmem47
ENSMUSG00000013033.16	7014.206422	-0.704107197	5.33E-40	6.88E-38	Adgr1
ENSMUSG00000032009.8	5902.237894	-0.745220759	6.23E-40	8.00E-38	Sesn3
ENSMUSG00000006273.14	7987.416327	0.60340322	1.04E-39	1.33E-37	Atp6v1b2
ENSMUSG00000026014.15	6114.598919	-0.794468642	1.17E-39	1.49E-37	Raph1
ENSMUSG00000116780.1	202.46219	3.613386843	1.43E-39	1.80E-37	RP23-464D14.8
ENSMUSG00000018171.9	5717.569231	0.724856362	1.66E-39	2.08E-37	Vmp1
ENSMUSG00000022994.9	1768.361508	-1.076873005	1.67E-39	2.08E-37	Adcy6
ENSMUSG00000002064.10	5176.558813	0.775737705	1.75E-39	2.18E-37	Sdf2
ENSMUSG00000021938.12	2991.952352	-0.854716866	1.86E-39	2.29E-37	Pspc1
ENSMUSG00000026116.11	9133.986606	-0.617130343	1.98E-39	2.42E-37	Tmem131
ENSMUSG00000007850.16	27175.07393	-0.528954135	2.58E-39	3.15E-37	Hnrnp1
ENSMUSG0000000958.10	4080.978127	-0.75832109	3.04E-39	3.69E-37	Slc7a7
ENSMUSG00000027176.8	3474.98388	0.806714319	4.35E-39	5.25E-37	Cstf3
ENSMUSG00000045039.9	5404.163289	-0.68029096	4.56E-39	5.47E-37	Megf8
ENSMUSG00000016831.12	3592.083787	0.768199872	5.85E-39	6.97E-37	Tox4
ENSMUSG00000041161.8	1074.908246	1.278578228	6.21E-39	7.36E-37	Otud3
ENSMUSG00000028645.11	28237.04539	-0.519081891	7.81E-39	9.21E-37	Slc2a1
ENSMUSG00000050043.16	5668.433707	0.774490745	1.29E-38	1.51E-36	Tmx2
ENSMUSG00000041220.10	20808.25091	-0.5612726	1.56E-38	1.82E-36	Elovl6
ENSMUSG00000096188.1	6068.353315	-0.662133435	1.64E-38	1.90E-36	Crtm4
ENSMUSG00000061048.8	1326.378036	-1.175352317	1.75E-38	2.02E-36	Cdh3
ENSMUSG00000031565.18	10503.69634	-0.565718925	1.78E-38	2.04E-36	Fgfr1
ENSMUSG00000020078.16	3111.931988	0.827276031	2.04E-38	2.33E-36	Vps26a
ENSMUSG00000073678.4	11338.39868	-0.761133888	5.04E-38	5.73E-36	Pgap1
ENSMUSG00000015176.10	16518.69722	0.517250259	6.24E-38	7.06E-36	Nolc1
ENSMUSG00000072934.10	187.6852719	3.604284531	1.20E-37	1.35E-35	Trpc5os
ENSMUSG00000006736.9	3662.231257	0.841282367	1.56E-37	1.75E-35	Tspan31
ENSMUSG00000045871.5	1073.054936	-1.268179089	1.58E-37	1.76E-35	Slitrk6
ENSMUSG00000051451.6	4266.290154	-0.76246033	1.78E-37	1.97E-35	Crebzf
ENSMUSG00000026478.14	16728.56587	-0.55138964	3.45E-37	3.80E-35	Lamc1
ENSMUSG00000020198.8	7286.460234	0.603403214	3.53E-37	3.87E-35	Ap3d1
ENSMUSG00000020277.10	17023.43702	-0.54239463	4.81E-37	5.25E-35	Pfkl
ENSMUSG00000057133.14	11349.69802	-0.584494864	6.53E-37	7.09E-35	Chd6
ENSMUSG00000030095.10	4889.860005	0.735958429	7.62E-37	8.23E-35	Tmem43
ENSMUSG00000035621.13	6498.267721	0.642068418	8.74E-37	9.39E-35	Midn
ENSMUSG00000027423.15	20385.82291	0.535168527	9.34E-37	9.98E-35	Snx5
ENSMUSG00000082107.1	4545.773071	-0.687615746	1.06E-36	1.13E-34	AC165089.2
ENSMUSG00000021756.12	4336.739614	-0.751145457	1.41E-36	1.49E-34	Il6st
ENSMUSG00000038400.15	2803.871409	-0.810207103	1.77E-36	1.86E-34	Pmepa1
ENSMUSG00000028850.2	1016.866543	1.290366643	2.05E-36	2.15E-34	Gpatch3

ENSMUSG00000007891.16	10388.95424	0.610161415	2.60E-36	2.70E-34	Ctsd
ENSMUSG00000016757.11	4742.153518	0.685103496	2.59E-36	2.70E-34	Tll12
ENSMUSG00000030231.11	6297.071034	-0.630404652	2.94E-36	3.03E-34	Plekha5
ENSMUSG00000019132.11	6677.370047	0.620320298	2.95E-36	3.04E-34	RP23-92G13.4
ENSMUSG00000028278.14	3095.309534	-0.789708682	3.47E-36	3.55E-34	Rragd
ENSMUSG00000059820.14	2387.060529	0.901053924	3.49E-36	3.56E-34	RP23-47M24.3
ENSMUSG00000022367.7	1272.767557	-1.215644981	4.14E-36	4.20E-34	Has2
ENSMUSG00000040929.16	1375.86875	-1.191236939	4.73E-36	4.77E-34	Rfx3
ENSMUSG00000018143.10	750.8435062	1.503086563	5.20E-36	5.23E-34	Mafk
ENSMUSG00000019210.10	5392.612596	0.699968495	5.33E-36	5.33E-34	Atp6v1e1
ENSMUSG00000005198.15	14406.44192	0.527994239	9.78E-36	9.73E-34	Polr2a
ENSMUSG00000006498.16	14114.29816	-0.533855258	1.14E-35	1.13E-33	Ptbp1
ENSMUSG00000038000.10	1826.206846	0.959717214	1.53E-35	1.51E-33	Acd
ENSMUSG00000020448.16	2796.345674	0.847530454	1.82E-35	1.79E-33	Rnf185
ENSMUSG00000020422.13	2844.565002	-0.873652774	2.06E-35	2.01E-33	Tns3
ENSMUSG00000028542.17	799.0688797	-1.453245778	3.14E-35	3.05E-33	Slc6a9
ENSMUSG00000005892.4	2690.497656	-0.921712548	0.921712548	7.30E-33	Trh
ENSMUSG00000000282.12	4202.006124	0.731873226	1.22E-34	1.18E-32	Mnt
ENSMUSG00000027500.10	4210.298824	-0.690831697	1.23E-34	1.18E-32	Stmn2
ENSMUSG00000007880.16	18657.85129	-0.55012826	1.28E-34	1.22E-32	Arid1a
ENSMUSG00000006219.12	2049.380956	-0.90887769	1.64E-34	1.56E-32	Fblim1
ENSMUSG00000024423.5	3478.944168	0.726716292	1.92E-34	1.82E-32	Impact
ENSMUSG00000034708.11	11324.90135	0.582662955	2.01E-34	1.89E-32	Grn
ENSMUSG00000007029.16	14166.80487	-0.536816115	2.24E-34	2.11E-32	Vars
ENSMUSG00000000743.9	3052.370708	0.771353199	2.58E-34	2.41E-32	Chmp1a
ENSMUSG00000036030.9	9559.513309	-0.568270647	2.62E-34	2.44E-32	Prtg
ENSMUSG00000058297.16	3304.727079	-0.762046017	3.24E-34	3.00E-32	Spock2
ENSMUSG00000039741.15	3774.323966	-0.705519825	3.33E-34	3.07E-32	Bahcc1
ENSMUSG00000045980.13	1789.934277	0.97069506	3.76E-34	3.45E-32	Tmem104
ENSMUSG00000002550.16	2261.996446	0.881985183	3.81E-34	3.49E-32	Uck1
ENSMUSG00000056537.11	9316.28696	0.595792275	4.16E-34	3.80E-32	Rlim
ENSMUSG00000020091.15	12866.42895	-0.525508241	4.22E-34	3.83E-32	Elf4ebp2
ENSMUSG00000014355.10	11542.30829	-0.570945314	4.40E-34	3.98E-32	Anapc1
ENSMUSG00000020522.13	5905.292425	-0.618985109	5.19E-34	4.67E-32	Mfap3
ENSMUSG00000075595.9	5076.981279	-0.728632981	5.73E-34	5.14E-32	Zfp652
ENSMUSG00000021848.16	9013.612054	-0.541548111	6.53E-34	5.83E-32	Otx2
ENSMUSG00000002900.16	8742.772177	-0.545286253	1.21E-33	1.08E-31	Lamb1
ENSMUSG00000074582.10	3783.019002	0.717809221	1.70E-33	1.51E-31	Arfgef2
ENSMUSG000000031155.16	29040.24695	-0.480645653	2.26E-33	1.99E-31	Pim2
ENSMUSG000000028646.16	2553.087358	0.817489078	2.35E-33	2.07E-31	Rragc
ENSMUSG00000068732.5	4478.002664	-0.690919615	2.38E-33	2.08E-31	Tmem167b
ENSMUSG00000025404.15	2579.472834	-0.831268603	2.46E-33	2.14E-31	R3hdm2
ENSMUSG00000017802.14	6417.073923	0.617254071	2.49E-33	2.15E-31	Fam134c
ENSMUSG00000025134.2	11952.25272	0.513021518	2.49E-33	2.15E-31	Alyref
ENSMUSG00000030286.6	3482.088617	0.76331442	2.52E-33	2.17E-31	Emc3
ENSMUSG00000027660.16	11250.74646	-0.596569241	2.64E-33	2.26E-31	Skil
ENSMUSG00000025964.15	1355.365192	-1.072198497	2.70E-33	2.31E-31	Adam23
ENSMUSG00000032575.16	9978.416861	0.539205229	2.99E-33	2.55E-31	Manf
ENSMUSG00000066306.13	8737.646317	-0.652925443	3.54E-33	3.00E-31	Numa1
ENSMUSG00000028048.11	1764.21268	0.971987416	3.66E-33	3.09E-31	Gba
ENSMUSG00000067261.4	2105.675729	-0.954845048	6.52E-33	5.49E-31	Foxd3
ENSMUSG00000038970.7	7861.614307	0.563104074	7.54E-33	6.32E-31	Lmtk2
ENSMUSG00000021945.9	3910.068743	-0.774702113	7.83E-33	6.54E-31	Zmym2
ENSMUSG00000024002.17	10550.30089	-0.570255963	7.89E-33	6.56E-31	Brd4
ENSMUSG00000063888.6	10146.02686	0.52064401	1.60E-32	1.33E-30	Rpl711
ENSMUSG00000032076.19	8036.816773	-0.553126039	2.49E-32	2.05E-30	Cadm1
ENSMUSG00000032193.9	13908.98222	-0.509621438	3.13E-32	2.57E-30	Ldlr
ENSMUSG00000051855.15	18425.1301	0.459978204	3.84E-32	3.14E-30	Mest
ENSMUSG00000036158.12	2906.317133	-0.785236417	3.98E-32	3.25E-30	Prickle1
ENSMUSG00000050288.6	3917.467473	-0.701963424	4.33E-32	3.52E-30	Fzd2
ENSMUSG00000021913.8	3432.750127	-0.706389902	4.36E-32	3.53E-30	Ogdh1
ENSMUSG00000027189.16	4186.937466	-0.738706457	5.00E-32	4.03E-30	Trim44
ENSMUSG00000025571.13	5944.969077	-0.612991438	5.44E-32	4.38E-30	Tnrc6c
ENSMUSG00000027122.15	5103.149125	-0.683489793	5.55E-32	4.45E-30	Arl14ep
ENSMUSG00000041346.11	1258.630955	1.084276874	5.74E-32	4.58E-30	Wrap53
ENSMUSG00000029859.6	2749.436679	-0.823643013	6.94E-32	5.52E-30	Epha1
ENSMUSG00000002052.6	24836.97766	0.450060264	8.20E-32	6.50E-30	Supt6
ENSMUSG00000039630.10	42875.10007	-0.449708527	1.33E-31	1.05E-29	Hnrnpu
ENSMUSG00000020407.13	2205.69016	-0.94670573	1.36E-31	1.07E-29	Upp1
ENSMUSG00000058569.8	8485.833735	0.539726528	1.71E-31	1.34E-29	Tmed9

ENSMUSG00000040697.10	3048.451593	0.755923593	1.84E-31	1.44E-29	Dnajc16
ENSMUSG00000038437.11	3061.500511	-0.754193309	1.95E-31	1.52E-29	Mllt6
ENSMUSG00000053950.10	3327.965431	0.713436327	2.40E-31	1.86E-29	Adnp2
ENSMUSG00000061531.8	154.6515802	5.705689102	2.45E-31	1.90E-29	Tmem236
ENSMUSG00000041488.16	1860.63685	-0.955512865	2.74E-31	2.11E-29	Stx3
ENSMUSG00000053646.13	3027.114937	-0.733895163	3.29E-31	2.52E-29	Plxbn1
ENSMUSG00000078517.12	5501.151974	0.640015748	3.53E-31	2.70E-29	Emc3
ENSMUSG00000033014.12	3384.413537	-0.755574308	3.69E-31	2.81E-29	Trim33
ENSMUSG00000031278.12	21475.29619	-0.439634499	3.72E-31	2.82E-29	Acs14
ENSMUSG00000030588.12	4229.308548	0.65407361	3.91E-31	2.96E-29	Yif1b
ENSMUSG00000028412.17	2952.921876	-0.73654899	4.08E-31	3.08E-29	Slc44a1
ENSMUSG00000042644.8	1542.185354	-1.001030871	4.18E-31	3.14E-29	ltpr3
ENSMUSG00000029817.11	8702.500019	-0.534666927	4.26E-31	3.19E-29	Tra2a
ENSMUSG00000076258.1	6279.301648	1.545127796	5.13E-31	3.83E-29	Gm23935
ENSMUSG00000041355.13	13114.01881	0.515380707	6.33E-31	4.70E-29	Ssr2
ENSMUSG00000036617.16	3864.482775	-0.739306062	6.70E-31	4.97E-29	Etl4
ENSMUSG00000033460.14	4423.196706	-0.641327601	8.49E-31	6.27E-29	Armxc1
ENSMUSG00000032423.12	8179.146884	-0.585896724	1.01E-30	7.46E-29	Syncrip
ENSMUSG00000039703.15	8250.31143	0.534797379	1.19E-30	8.71E-29	Nploc4
ENSMUSG00000055065.7	20495.02949	-0.479505917	1.24E-30	9.08E-29	Ddx17
ENSMUSG00000032754.14	2071.272994	0.836790055	1.28E-30	9.34E-29	Slc8b1
ENSMUSG00000023460.12	1629.202994	1.008014471	1.31E-30	9.54E-29	Rab12
ENSMUSG00000081683.5	1204.181243	-1.149713013	1.38E-30	9.97E-29	Fzd10
ENSMUSG00000048271.14	6295.603563	-0.629750986	1.51E-30	1.09E-28	Rbm33
ENSMUSG00000020553.8	2217.615844	0.81309675	1.76E-30	1.27E-28	Pctp
ENSMUSG00000008855.17	11552.87994	-0.48338163	1.90E-30	1.36E-28	Hdac5
ENSMUSG00000029202.12	10997.22537	-0.55830924	2.01E-30	1.44E-28	Pds5a
ENSMUSG00000037007.17	1231.325667	1.050167547	2.14E-30	1.53E-28	Zfp113
ENSMUSG00000020482.4	4600.602109	0.62834092	2.88E-30	2.04E-28	Ccdc117
ENSMUSG00000027221.5	1991.951397	-0.918529201	3.39E-30	2.39E-28	Chst1
ENSMUSG00000001100.10	4554.650228	0.62375614	3.58E-30	2.52E-28	Poldip2
ENSMUSG00000028078.14	2851.962257	-0.745743952	4.00E-30	2.80E-28	Dclk2
ENSMUSG00000063455.16	1915.428545	-0.869681762	4.00E-30	2.80E-28	AC157667.1
ENSMUSG00000024896.8	6259.315399	0.568750266	4.15E-30	2.90E-28	Minpp1
ENSMUSG00000024968.13	4718.240413	-0.651477788	5.20E-30	3.62E-28	Rcor2
ENSMUSG00000003402.14	12522.28139	0.522697951	5.47E-30	3.78E-28	Prkcsh
ENSMUSG00000018401.17	3890.917169	0.655637813	5.46E-30	3.78E-28	Mtmr4
ENSMUSG00000021268.17	12193.79332	-0.482798837	6.26E-30	4.31E-28	Meg3
ENSMUSG00000053110.13	5706.059843	-0.575415573	8.91E-30	6.12E-28	Yap1
ENSMUSG00000048076.14	21163.98569	0.433060853	1.00E-29	6.87E-28	Arf1
ENSMUSG00000010936.11	3556.763761	0.674613034	1.27E-29	8.69E-28	Vac14
ENSMUSG00000019923.14	6656.844524	0.582793032	1.51E-29	1.02E-27	Zwint
ENSMUSG00000024640.9	25414.43954	-0.422851746	2.01E-29	1.37E-27	Psat1
ENSMUSG00000037400.17	4447.506358	-0.638747387	2.31E-29	1.56E-27	Atp11b
ENSMUSG00000046574.8	6786.083222	0.537904813	2.33E-29	1.57E-27	Prr12
ENSMUSG00000005615.15	1379.353058	0.97392128	2.55E-29	1.71E-27	Pcyt1a
ENSMUSG000000056758.14	3471.469962	-0.681939034	2.69E-29	1.80E-27	Hmga2
ENSMUSG00000095440.2	1640.530072	-0.902893415	3.09E-29	2.06E-27	Flgnl2
ENSMUSG00000032366.15	7121.159182	-0.544015952	3.54E-29	2.36E-27	Tpm1
ENSMUSG00000027201.16	8031.467115	-0.511796936	3.76E-29	2.50E-27	Myef2
ENSMUSG00000026494.12	2216.122641	-0.840552202	4.40E-29	2.91E-27	Kif26b
ENSMUSG00000059273.9	3504.876239	-0.703549777	4.72E-29	3.11E-27	Zc3h4
ENSMUSG00000032216.14	47044.69751	-0.415588556	6.13E-29	4.03E-27	Nedd4
ENSMUSG00000060935.6	2212.352216	-0.822561633	6.69E-29	4.39E-27	Tmem263
ENSMUSG00000040268.17	8942.441481	-0.510845254	7.07E-29	4.62E-27	Plekha1
ENSMUSG00000050144.13	2647.331235	0.748432896	8.47E-29	5.52E-27	Slc25a44
ENSMUSG00000023473.12	1813.604414	-1.010035027	1.16E-28	7.51E-27	Celsr3
ENSMUSG00000041633.14	1027.560132	-1.129293716	1.17E-28	7.59E-27	Kctd12b
ENSMUSG00000034255.17	1687.586783	-0.923012142	1.26E-28	8.14E-27	Arhgap27
ENSMUSG00000038023.12	2800.158701	0.718977011	1.26E-28	8.14E-27	Atp6v0a2
ENSMUSG00000028654.13	2803.035906	-0.72741329	1.49E-28	9.57E-27	Mycl
ENSMUSG00000030067.17	3796.292259	-0.641937449	1.75E-28	1.12E-26	Foxp1
ENSMUSG000000100033.1	6166.112695	0.6384814	1.88E-28	1.20E-26	RP23-241J21.1
ENSMUSG00000041872.9	127.2040888	5.064048122	2.29E-28	1.46E-26	Il17f
ENSMUSG00000029598.12	4672.590062	0.638749668	2.72E-28	1.73E-26	Plbd2
ENSMUSG00000025608.9	14490.04497	-0.442655057	2.85E-28	1.80E-26	Podxl
ENSMUSG00000023110.12	9853.538294	0.495429394	2.99E-28	1.88E-26	Prmt5
ENSMUSG00000021910.15	12696.45678	-0.475256168	4.05E-28	2.55E-26	Nisch
ENSMUSG00000069237.8	4543.339787	-0.620454393	4.64E-28	2.91E-26	Fam8a1
ENSMUSG00000052397.8	9873.686389	-0.496760157	5.01E-28	3.13E-26	Ezr

ENSMUSG00000038456.9	1868.475291	-0.836378663	5.03E-28	3.14E-26	Dennd2a
ENSMUSG00000029146.14	3388.755954	0.660754797	5.34E-28	3.32E-26	Snx17
ENSMUSG000000101365.1	125.7893005	4.672061349	5.75E-28	3.57E-26	RP23-401G21.7
ENSMUSG00000025227.14	2997.09695	-0.715490137	8.29E-28	5.13E-26	Tmem180
ENSMUSG00000052512.17	2182.621869	-0.835590537	9.78E-28	6.03E-26	Nav2
ENSMUSG00000030022.14	1966.62381	-0.978218376	1.05E-27	6.46E-26	Adams9
ENSMUSG00000047591.5	4064.422964	-0.627183194	1.17E-27	7.16E-26	Mafa
ENSMUSG00000012282.2	1405.923534	-1.058447988	1.37E-27	8.36E-26	Wnt8a
ENSMUSG00000005354.16	4594.184118	0.593475193	1.39E-27	8.45E-26	Txn2
ENSMUSG000000004937.6	6189.726092	0.536266697	1.47E-27	8.92E-26	Sgta
ENSMUSG00000040721.9	951.9031936	-1.11475981	1.63E-27	9.90E-26	Zfhx2
ENSMUSG00000023169.15	10118.31489	-0.498242872	1.73E-27	1.04E-25	Slc38a1
ENSMUSG00000037376.14	3092.165664	0.698102341	1.79E-27	1.08E-25	Trmt6
ENSMUSG00000033379.13	6185.073479	0.656314267	1.84E-27	1.11E-25	Atp6v0b
ENSMUSG00000031502.11	3519.765388	-0.677212502	2.53E-27	1.51E-25	Col4a1
ENSMUSG00000005949.9	2413.207661	0.755267535	2.94E-27	1.76E-25	Ctns
ENSMUSG00000006494.11	3861.909527	-0.740713503	3.02E-27	1.80E-25	Pdk1
ENSMUSG00000027030.15	7158.311369	-0.516008659	3.19E-27	1.90E-25	Stk39
ENSMUSG00000036882.7	1293.776173	0.958171905	3.29E-27	1.95E-25	Arhgap33
ENSMUSG00000027775.9	6300.504135	0.542682375	3.33E-27	1.97E-25	Mfsd1
ENSMUSG00000045193.13	2008.7315	0.836235043	3.42E-27	2.02E-25	Cirbp
ENSMUSG00000000149.10	2392.210803	0.740472821	3.86E-27	2.27E-25	Gna12
ENSMUSG00000048277.15	2584.454476	-0.759853685	4.14E-27	2.43E-25	Syng12
ENSMUSG000000061232.15	7070.864671	0.535757188	5.77E-27	3.38E-25	H2-K1
ENSMUSG000000036752.4	14050.43129	0.452079444	6.04E-27	3.52E-25	Tubb4b
ENSMUSG00000035399.12	2192.191385	0.806713634	6.52E-27	3.79E-25	Oser1
ENSMUSG00000087943.1	508.1104238	1.709792073	6.55E-27	3.80E-25	Gm24245
ENSMUSG00000049532.11	3098.441904	-0.670664489	6.61E-27	3.83E-25	Sall2
ENSMUSG00000075703.15	6095.731709	-0.532986398	7.28E-27	4.20E-25	Ept1
ENSMUSG00000034269.12	17907.65053	-0.45490128	7.53E-27	4.33E-25	Setd5
ENSMUSG00000062078.14	7058.840114	-0.566374182	8.57E-27	4.92E-25	Qk
ENSMUSG00000027472.14	1083.357782	1.055745188	9.14E-27	5.23E-25	Pdrg1
ENSMUSG00000014444.17	3174.476051	-0.663287518	9.26E-27	5.29E-25	Piezo1
ENSMUSG00000022964.14	1031.064728	1.054961893	9.74E-27	5.55E-25	Tmem50b
ENSMUSG00000042608.15	6152.520455	0.552859007	1.02E-26	5.78E-25	Stk40
ENSMUSG00000026743.16	3280.081167	-0.660765737	1.09E-26	6.18E-25	Mllt10
ENSMUSG00000024798.15	2258.008622	-0.781257624	1.13E-26	6.38E-25	Htr7
ENSMUSG00000029790.16	10191.88992	-0.482748467	1.15E-26	6.51E-25	Cep41
ENSMUSG00000028437.14	2532.825644	0.727603507	1.32E-26	7.41E-25	Ubp1
ENSMUSG000000053641.9	2143.633261	0.783839817	1.35E-26	7.55E-25	Dennd4a
ENSMUSG00000024151.13	8958.823355	-0.475290765	1.54E-26	8.60E-25	Msh2
ENSMUSG00000036986.16	1932.246959	-0.815800599	1.78E-26	9.92E-25	Pml
ENSMUSG00000040857.15	2885.153025	0.716352225	1.79E-26	9.99E-25	Erf
ENSMUSG00000056493.9	2741.83389	0.695896315	2.08E-26	1.15E-24	Foxk1
ENSMUSG00000032244.9	9440.869855	-0.558585304	2.32E-26	1.29E-24	Fem1b
ENSMUSG00000031633.4	6699.556879	0.559073107	2.49E-26	1.37E-24	Slc25a4
ENSMUSG00000015647.9	20719.26611	-0.447310438	2.54E-26	1.40E-24	Lama5
ENSMUSG00000029761.16	6162.346295	-0.521938431	2.66E-26	1.46E-24	Cald1
ENSMUSG00000033737.14	4595.120509	-0.628674987	2.70E-26	1.48E-24	Fndc3c1
ENSMUSG00000005534.10	5464.260081	-0.540822513	2.82E-26	1.54E-24	Insr
ENSMUSG00000032827.15	2562.498864	-0.704644599	4.30E-26	2.34E-24	Ppp1r9a
ENSMUSG00000092486.1	1255.354186	1.028441948	4.79E-26	2.61E-24	RP23-3M10.7
ENSMUSG00000001985.9	1165.510983	-0.975899251	4.83E-26	2.62E-24	Grik3
ENSMUSG00000035284.10	4347.190241	0.648365522	5.35E-26	2.90E-24	Vps13c
ENSMUSG00000036339.18	778.7582288	1.19624993	6.02E-26	3.25E-24	Tmem260
ENSMUSG00000040717.6	8785.559417	-0.494324235	6.22E-26	3.35E-24	Il17rd
ENSMUSG00000031266.6	2736.833097	0.728717322	6.48E-26	3.48E-24	Gla
ENSMUSG00000029559.15	2016.86951	0.807097113	6.58E-26	3.52E-24	RP24-297N9.8
ENSMUSG00000022995.16	7807.414612	-0.486568361	6.79E-26	3.63E-24	Enah
ENSMUSG00000020898.18	4632.717112	-0.567387289	6.94E-26	3.70E-24	Ctc1
ENSMUSG00000042129.8	2803.352649	-0.682770363	7.08E-26	3.77E-24	Rassf4
ENSMUSG00000028466.15	934.9307177	1.150130127	7.37E-26	3.91E-24	Creb3
ENSMUSG00000072966.11	1923.942743	-0.813671909	7.76E-26	4.11E-24	Gprasp2
ENSMUSG00000022295.8	3433.897127	0.628697535	8.18E-26	4.32E-24	Atp6v1c1
ENSMUSG00000039477.16	1025.768266	-1.092582277	8.86E-26	4.66E-24	Tnrc18
ENSMUSG00000020946.13	2929.486003	0.669318206	9.44E-26	4.96E-24	Gosr2
ENSMUSG00000107879.1	769.4362378	1.228899061	1.01E-25	5.28E-24	RP24-363O21.3
ENSMUSG00000021901.10	4680.866137	-0.583463232	1.06E-25	5.53E-24	Bap1
ENSMUSG00000028184.12	10334.9774	-0.457001971	1.08E-25	5.65E-24	Adgr1
ENSMUSG00000056342.16	8039.932106	-0.615371854	1.12E-25	5.82E-24	Usp34

ENSMUSG00000031505.11	1694.917872	0.869232036	1.15E-25	5.96E-24	Carkd
ENSMUSG00000029594.12	2348.527012	0.736020417	1.25E-25	6.46E-24	Rbm19
ENSMUSG00000020483.14	8887.678404	0.497657305	1.85E-25	9.54E-24	Dynll2
ENSMUSG00000023964.15	1617.226793	-0.883082822	1.98E-25	1.02E-23	Calcr
ENSMUSG00000002981.10	10031.77089	0.468720055	2.05E-25	1.05E-23	Ciptm1
ENSMUSG000000068284.14	1390.546011	-0.95551213	2.48E-25	1.27E-23	Usf3
ENSMUSG000000052854.15	2435.792594	-0.730379739	2.61E-25	1.33E-23	Nrk
ENSMUSG000000053470.13	3895.796639	-0.603052825	2.62E-25	1.34E-23	Kdm3a
ENSMUSG00000008307.11	317.2880267	1.84906423	3.08E-25	1.57E-23	AC090443.3
ENSMUSG000000020064.9	2819.217932	-0.696773018	3.58E-25	1.82E-23	Herc4
ENSMUSG000000032875.8	2302.188963	-0.780015856	3.66E-25	1.85E-23	Arhgef17
ENSMUSG000000005514.14	5779.648381	0.540190341	3.69E-25	1.87E-23	Por
ENSMUSG000000054874.12	4649.261945	-0.574294801	4.49E-25	2.27E-23	Pcnx13
ENSMUSG000000029998.14	4829.746498	0.624908882	4.89E-25	2.46E-23	Pcyox1
ENSMUSG000000032482.9	269.2761909	2.227829502	5.11E-25	2.57E-23	Cspg5
ENSMUSG000000037876.17	10197.95572	-0.508858005	5.31E-25	2.66E-23	Jmjd1c
ENSMUSG000000001105.15	1809.587148	0.822384401	6.09E-25	3.04E-23	Ift20
ENSMUSG000000074505.5	1526.348258	-0.940412597	6.08E-25	3.04E-23	Fat3
ENSMUSG000000004460.17	6809.986091	0.574545499	6.34E-25	3.16E-23	Dnajb11
ENSMUSG000000036591.16	6803.274599	-0.536502607	6.52E-25	3.24E-23	Arhgap21
ENSMUSG000000042446.16	3524.780082	-0.636746924	6.87E-25	3.40E-23	Zmym4
ENSMUSG000000038127.14	5586.012932	-0.548300162	7.85E-25	3.88E-23	Ccdc50
ENSMUSG000000048100.13	887.9459868	1.092565316	8.45E-25	4.17E-23	Taf13
ENSMUSG000000022884.15	15691.42148	-0.444859366	8.58E-25	4.22E-23	Eif4a2
ENSMUSG000000014813.9	1189.441744	-1.042183634	9.48E-25	4.66E-23	Stc1
ENSMUSG000000069045.11	2533.100419	-0.7541546	9.60E-25	4.70E-23	Ddx3y
ENSMUSG000000009293.17	2104.063643	0.764915723	1.37E-24	6.72E-23	Ube2g2
ENSMUSG000000032115.14	26271.23799	0.404995789	1.44E-24	7.02E-23	Hyou1
ENSMUSG000000028082.13	1740.882944	-0.797175019	1.48E-24	7.22E-23	Sh3d19
ENSMUSG000000029020.13	2581.808261	0.677388194	1.54E-24	7.48E-23	Mfn2
ENSMUSG000000066735.8	6024.982602	-0.522392785	1.71E-24	8.30E-23	Vkorc11
ENSMUSG000000052374.16	565.7562268	1.4384793	1.80E-24	8.72E-23	Actn2
ENSMUSG000000022641.15	4435.874423	-0.623319281	2.80E-24	1.35E-22	Bbx
ENSMUSG000000097665.1	107.7259768	4.919738044	2.82E-24	1.36E-22	RP24-496O17.10
ENSMUSG000000031485.15	2283.118374	0.710363159	2.88E-24	1.38E-22	Prosc
ENSMUSG000000028053.13	12555.60848	-0.470883264	2.97E-24	1.42E-22	Ash1l
ENSMUSG000000004988.9	113.1546498	3.730672316	2.99E-24	1.43E-22	Fxyd4
ENSMUSG000000052396.7	6167.024772	-0.579393658	3.00E-24	1.43E-22	Mogat2
ENSMUSG000000000628.10	9914.634619	-0.487734381	3.12E-24	1.48E-22	Hk2
ENSMUSG0000000031066.10	1557.890909	0.978044467	3.69E-24	1.75E-22	Usp11
ENSMUSG000000067860.11	4398.48639	-0.560317853	4.13E-24	1.96E-22	Zic3
ENSMUSG000000041084.8	7716.050376	0.483398285	4.91E-24	2.32E-22	Ostc
ENSMUSG000000061607.15	7832.163284	0.472758533	4.98E-24	2.35E-22	Mdc1
ENSMUSG000000073557.11	1140.195289	0.962248261	5.35E-24	2.52E-22	Ppp1r12b
ENSMUSG000000040650.8	1310.374149	-0.919567723	5.47E-24	2.57E-22	Cyp2b23
ENSMUSG000000031916.17	1191.802544	0.950596877	6.36E-24	2.98E-22	Cog8
ENSMUSG000000032411.15	4604.132409	-0.553945401	6.42E-24	3.00E-22	Tfdp2
ENSMUSG0000000035992.15	4516.889767	0.582690111	6.63E-24	3.09E-22	Fnip1
ENSMUSG000000036636.9	2746.62008	0.691323674	6.85E-24	3.19E-22	Clcn7
ENSMUSG000000028898.15	1878.44785	0.778081056	7.19E-24	3.34E-22	Trnau1ap
ENSMUSG000000097318.2	323.2109445	1.76569068	7.31E-24	3.39E-22	RP23-155D8.5
ENSMUSG000000058318.15	2475.797352	-0.698030759	7.49E-24	3.46E-22	Phf21a
ENSMUSG000000074994.5	4396.313293	-0.577135794	7.48E-24	3.46E-22	Qser1
ENSMUSG000000087403.9	1404.826391	-0.889058513	8.39E-24	3.86E-22	RP23-147K15.4
ENSMUSG000000032434.9	4851.025649	0.571252848	8.89E-24	4.09E-22	Cmtm6
ENSMUSG000000079259.2	11175.82446	0.43765626	9.13E-24	4.19E-22	Trim71
ENSMUSG000000020431.5	7423.994615	-0.495880933	9.48E-24	4.34E-22	Adcy1
ENSMUSG000000085438.1	5805.105771	-0.528361235	1.01E-23	4.60E-22	RP23-22A15.2
ENSMUSG000000039202.12	2940.041844	0.651889402	1.13E-23	5.14E-22	Abhd2
ENSMUSG000000059005.13	25666.01511	-0.369491228	1.13E-23	5.14E-22	Hnrrpa3
ENSMUSG000000022559.8	2673.70717	0.695057633	1.18E-23	5.38E-22	Fbxl6
ENSMUSG0000000059796.16	85328.98791	0.334131078	1.26E-23	5.72E-22	Eif4a1
ENSMUSG0000000039568.6	1552.29641	-0.854095101	1.32E-23	5.97E-22	Ubal1
ENSMUSG000000025103.8	3046.774004	-0.633719388	1.56E-23	7.05E-22	Btbd1
ENSMUSG000000041733.10	2393.368763	0.69276615	1.69E-23	7.62E-22	Coq5
ENSMUSG000000030120.14	16064.4903	0.410303954	1.80E-23	8.09E-22	Mlf2
ENSMUSG000000071369.11	1214.420392	-0.90496206	1.92E-23	8.60E-22	Map3k5
ENSMUSG000000074797.11	2881.600509	0.662137618	2.13E-23	9.51E-22	Itpa
ENSMUSG000000040481.17	17327.10256	-0.457370066	2.36E-23	1.05E-21	Bptf
ENSMUSG000000114642.1	3068.271565	-0.702388588	2.38E-23	1.06E-21	RP24-188N22.4

ENSMUSG00000101262.1	3512.036022	0.719410512	2.48E-23	1.10E-21	RP23-76C10.2
ENSMUSG00000050473.5	1056.370092	-0.959332949	2.84E-23	1.26E-21	Slc35d3
ENSMUSG00000009291.13	4263.802023	0.571798729	2.94E-23	1.30E-21	Pttg1ip
ENSMUSG00000003037.16	3306.088327	0.60409724	3.07E-23	1.36E-21	Rab8a
ENSMUSG00000044026.2	2055.253306	-0.76086271	3.42E-23	1.51E-21	Slc35g1
ENSMUSG00000033096.7	1367.367842	0.884335544	3.67E-23	1.62E-21	Apmap
ENSMUSG00000022885.16	2016.525196	-0.727413983	3.79E-23	1.66E-21	St6gal1
ENSMUSG00000030536.10	17331.38678	-0.401135372	4.08E-23	1.79E-21	Iqgap1
ENSMUSG00000047045.17	7000.181922	-0.485708639	4.13E-23	1.81E-21	Tmem164
ENSMUSG00000071650.5	23177.20537	0.39801528	4.32E-23	1.89E-21	Ganab
ENSMUSG00000004328.15	1599.744411	-0.810647874	4.53E-23	1.97E-21	Hif3a
ENSMUSG00000031387.14	1787.31496	0.864008312	4.64E-23	2.02E-21	Renbp
ENSMUSG00000040616.3	1199.59076	-0.903179989	4.73E-23	2.05E-21	Tmem51
ENSMUSG00000021540.16	3039.211739	-0.632638436	4.76E-23	2.06E-21	Smad5
ENSMUSG00000030091.17	12285.20885	-0.416231428	4.80E-23	2.08E-21	Nup210
ENSMUSG00000022629.17	3573.883733	-0.61201306	5.04E-23	2.17E-21	Kif21a
ENSMUSG00000044367.7	2188.919285	-0.743868206	5.49E-23	2.37E-21	Slc16a13
ENSMUSG00000032890.17	3378.477954	-0.59055772	5.63E-23	2.42E-21	Rims3
ENSMUSG00000028838.11	379.8237359	-1.708457832	6.26E-23	2.68E-21	Extl1
ENSMUSG00000030224.10	19149.80246	0.382165867	6.83E-23	2.92E-21	Strap
ENSMUSG00000034135.15	2287.073793	-0.699628681	7.35E-23	3.14E-21	Sik3
ENSMUSG00000021843.17	12915.80244	-0.433085434	7.56E-23	3.22E-21	Ktn1
ENSMUSG00000089774.2	1129.249811	-0.98489905	8.41E-23	3.58E-21	Slc5a3
ENSMUSG00000032437.10	11259.18034	-0.416231242	8.72E-23	3.70E-21	Stt3b
ENSMUSG00000030062.7	19722.73091	0.381700182	9.83E-23	4.17E-21	Rpn1
ENSMUSG00000029434.12	2337.587577	0.707566928	1.01E-22	4.25E-21	Vps33a
ENSMUSG00000040652.16	3433.311452	0.582972123	1.21E-22	5.12E-21	Oaz2
ENSMUSG00000038489.8	1831.394882	0.77033393	1.26E-22	5.29E-21	Polr2l
ENSMUSG00000029819.6	2189.993411	-0.801697998	1.30E-22	5.47E-21	Npy
ENSMUSG00000101188.1	33085.79039	0.349635622	1.43E-22	5.98E-21	Eif4a-ps4
ENSMUSG00000020873.14	5289.413947	0.555820436	1.49E-22	6.25E-21	Slc35b1
ENSMUSG00000002015.5	5431.851574	0.549998179	1.61E-22	6.75E-21	Bcap31
ENSMUSG00000040249.15	13153.68121	-0.434913339	1.64E-22	6.83E-21	Lrp1
ENSMUSG00000068663.14	1582.037772	0.795993141	1.64E-22	6.84E-21	Clec16a
ENSMUSG00000050010.8	903.739575	-1.047202035	1.67E-22	6.96E-21	Shisa3
ENSMUSG00000019302.16	5812.414749	0.503712148	1.82E-22	7.57E-21	Atp6v0a1
ENSMUSG00000022350.7	3692.78854	0.578423784	1.86E-22	7.69E-21	Washc5
ENSMUSG00000052105.16	4713.056486	-0.570528192	2.29E-22	9.46E-21	Mtcl1
ENSMUSG00000032641.18	1933.543378	0.785022526	2.31E-22	9.54E-21	Gpr19
ENSMUSG000000051316.8	2725.625804	0.708386892	2.39E-22	9.85E-21	Taf7
ENSMUSG00000002741.9	5723.761083	0.491248615	2.68E-22	1.10E-20	Ykt6
ENSMUSG00000063800.5	3460.837614	0.579289652	2.85E-22	1.17E-20	Prpf38a
ENSMUSG00000035596.14	2212.785181	-0.684247522	3.01E-22	1.23E-20	Mboat7
ENSMUSG00000021952.16	5422.571758	-0.615737265	3.15E-22	1.29E-20	Xpo4
ENSMUSG00000022604.18	2554.878183	-0.658899492	3.18E-22	1.30E-20	Cep97
ENSMUSG00000063229.15	62032.22616	-0.385830156	3.27E-22	1.33E-20	Ldha
ENSMUSG00000028402.18	4806.416202	-0.543134767	3.29E-22	1.34E-20	Mpdz
ENSMUSG00000055943.5	2331.480202	0.732167672	3.39E-22	1.38E-20	Emc7
ENSMUSG00000043279.9	1367.245439	-0.846124283	3.44E-22	1.39E-20	Trim56
ENSMUSG00000008604.11	7212.729617	-0.476193222	3.56E-22	1.44E-20	Ubqln4
ENSMUSG00000032116.18	14817.15852	0.417591716	3.64E-22	1.47E-20	Stt3a
ENSMUSG00000040446.3	4455.040087	-0.529008025	3.78E-22	1.52E-20	Rprd1a
ENSMUSG00000009575.14	19151.75845	-0.431144422	4.24E-22	1.70E-20	Cbx5
ENSMUSG00000078671.11	5884.803242	0.495355898	4.25E-22	1.70E-20	Chd2
ENSMUSG000000027163.13	1176.928965	0.928638919	4.55E-22	1.82E-20	Commd9
ENSMUSG00000097767.8	555.0034184	-1.286740838	4.55E-22	1.82E-20	Miat
ENSMUSG00000067365.10	2017.646747	0.707292785	4.60E-22	1.83E-20	Tmem128
ENSMUSG00000004934.14	3357.145135	0.588803379	4.69E-22	1.87E-20	Pias4
ENSMUSG00000026944.18	1601.065888	-0.788938903	4.72E-22	1.88E-20	Abca2
ENSMUSG00000003534.17	3103.736046	-0.61975855	5.14E-22	2.04E-20	Ddr1
ENSMUSG00000024098.5	7496.177427	-0.487260296	5.21E-22	2.06E-20	Twsg1
ENSMUSG00000043004.13	2324.705275	-0.664118948	5.23E-22	2.07E-20	Gng2
ENSMUSG000000027253.15	1904.990774	-0.778665203	5.70E-22	2.25E-20	Lrp4
ENSMUSG00000061111.8	2623.353892	0.636759994	5.83E-22	2.30E-20	Fam195b
ENSMUSG00000039985.14	19183.9492	-0.376440515	6.04E-22	2.38E-20	Fam60a
ENSMUSG00000020176.17	1112.466293	-0.944627192	6.71E-22	2.63E-20	Grb10
ENSMUSG00000025510.14	2873.412725	0.669869085	7.10E-22	2.78E-20	Cd151
ENSMUSG00000053012.17	754.0855507	1.117131209	7.33E-22	2.86E-20	Krcc1
ENSMUSG00000015605.5	2989.234667	-0.660412946	7.98E-22	3.11E-20	Srf
ENSMUSG00000068580.11	925.6976478	0.99215293	7.98E-22	3.11E-20	Zfyve19

ENSMUSG00000030654.9	18603.80759	0.436161553	8.08E-22	3.14E-20	Arl6ip1
ENSMUSG00000054074.9	815.7882144	-1.054701798	8.08E-22	3.14E-20	Skida1
ENSMUSG000000111610.1	160.223961	7.234443601	8.11E-22	3.14E-20	RP23-37D14.4
ENSMUSG00000025532.13	1393.93008	0.820775175	8.39E-22	3.24E-20	Crcp
ENSMUSG00000003581.14	1342.890236	0.854915665	9.40E-22	3.63E-20	Rnf215
ENSMUSG00000028613.14	3137.745365	-0.61514305	1.01E-21	3.90E-20	Lrp8
ENSMUSG00000025278.9	13996.14076	-0.468744826	1.07E-21	4.10E-20	Flnb
ENSMUSG00000020015.10	1970.552545	-0.735901542	1.09E-21	4.19E-20	Cdk17
ENSMUSG00000013076.17	1973.787986	-0.755706873	1.15E-21	4.41E-20	Amotl1
ENSMUSG00000063077.14	9657.099229	-0.47756543	1.15E-21	4.41E-20	Kif1b
ENSMUSG00000035559.9	948.3709477	1.109849346	1.20E-21	4.59E-20	Mpv17l2
ENSMUSG00000049932.3	2256.241349	-0.719192863	1.24E-21	4.74E-20	H2afx
ENSMUSG00000041245.13	3188.451078	-0.721247614	1.50E-21	5.70E-20	Wnk3
ENSMUSG00000024491.15	5307.540343	0.548437239	1.51E-21	5.72E-20	Rbm27
ENSMUSG00000034297.14	5619.176462	-0.574348965	1.54E-21	5.86E-20	Med13
ENSMUSG00000039218.16	36924.03719	-0.418050755	1.62E-21	6.12E-20	Srrm2
ENSMUSG000000086859.3	1914.49922	0.724511815	1.62E-21	6.12E-20	Snhg20
ENSMUSG00000020261.15	1681.596362	0.774844099	1.66E-21	6.27E-20	Slc36a1
ENSMUSG00000032316.8	1796.863413	-0.730822867	1.68E-21	6.32E-20	Clk3
ENSMUSG00000074637.7	5239.345014	-0.536153208	1.77E-21	6.66E-20	Sox2
ENSMUSG00000055319.8	2424.518839	0.654773228	2.04E-21	7.65E-20	Sec23ip
ENSMUSG00000028672.13	2121.718797	0.68623924	2.08E-21	7.81E-20	Hmgcl
ENSMUSG00000028527.18	3461.586868	-0.640337233	2.27E-21	8.50E-20	Ak4
ENSMUSG00000071226.11	7183.702737	-0.486940857	2.35E-21	8.78E-20	Cecr2
ENSMUSG00000026377.12	3366.041622	0.585753635	2.43E-21	9.06E-20	Nfk
ENSMUSG00000020471.11	7784.126092	-0.450836784	2.51E-21	9.33E-20	Pold2
ENSMUSG00000063531.7	1875.560548	-0.787343395	2.62E-21	9.72E-20	Sema3e
ENSMUSG00000029287.14	2917.844736	-0.720241088	2.62E-21	9.73E-20	Tgfb3
ENSMUSG00000000276.11	1762.091707	0.739944147	2.96E-21	1.09E-19	Dgke
ENSMUSG00000027540.13	3499.369924	0.581431482	3.29E-21	1.21E-19	Ptpn1
ENSMUSG00000046020.13	4770.730862	0.508122235	3.30E-21	1.22E-19	Pofut1
ENSMUSG00000001376.17	1691.499203	-0.740897231	3.31E-21	1.22E-19	Vps50
ENSMUSG00000004394.12	6421.446858	0.468838715	3.67E-21	1.35E-19	Tmed4
ENSMUSG00000020389.19	327.3067106	1.63859081	3.91E-21	1.43E-19	Cdkl3
ENSMUSG00000005413.8	2996.332767	0.593616579	3.93E-21	1.44E-19	Hmox1
ENSMUSG00000025958.14	2798.944584	-0.637188811	3.92E-21	1.44E-19	Creb1
ENSMUSG00000018199.9	2658.087726	-0.658051495	4.07E-21	1.49E-19	Trove2
ENSMUSG00000036270.16	3216.694405	-0.579935414	4.26E-21	1.55E-19	Edc4
ENSMUSG00000030849.18	1801.973317	0.752902373	4.42E-21	1.61E-19	Gfgr2
ENSMUSG00000042364.11	1599.141457	-0.805060732	5.05E-21	1.83E-19	Snx18
ENSMUSG00000026923.15	2197.3748	0.67970767	5.12E-21	1.86E-19	Notch1
ENSMUSG00000000278.10	11032.05005	0.43017162	5.25E-21	1.90E-19	Scpep1
ENSMUSG00000097504.1	1082.165276	-0.908864579	5.29E-21	1.91E-19	RP24-95N16.4
ENSMUSG00000020747.17	3855.114714	-0.563585651	5.53E-21	2.00E-19	Tmem94
ENSMUSG00000025949.16	4529.065477	0.537607319	5.94E-21	2.14E-19	Pikfyve
ENSMUSG00000026970.16	1404.274927	-0.831638865	6.49E-21	2.34E-19	Rbms1
ENSMUSG00000043964.14	479.8097485	-1.329590972	6.50E-21	2.34E-19	Orai3
ENSMUSG00000025512.15	1362.048907	0.830722485	6.62E-21	2.38E-19	Chid1
ENSMUSG00000026556.15	7012.099174	-0.454877937	6.71E-21	2.40E-19	Vangl2
ENSMUSG00000071470.4	1390.523071	-0.847327993	6.84E-21	2.45E-19	Ccnb1ip1
ENSMUSG00000035285.6	319.0381496	1.654397153	7.31E-21	2.61E-19	Nat14
ENSMUSG00000038028.9	2405.550069	0.651816494	7.32E-21	2.61E-19	Tigar
ENSMUSG00000025534.17	191.2458444	2.345546487	7.69E-21	2.73E-19	Gusb
ENSMUSG00000040728.15	738.3796819	-1.108786458	7.71E-21	2.74E-19	Esrp1
ENSMUSG00000020876.14	1548.18193	0.78724893	7.97E-21	2.82E-19	Snx11
ENSMUSG00000022983.16	7104.902938	0.49473513	8.08E-21	2.86E-19	Scaf4
ENSMUSG00000005936.18	5160.604691	0.489166911	8.98E-21	3.17E-19	Kctd20
ENSMUSG00000060314.13	1284.097747	0.833022461	9.60E-21	3.39E-19	Zfp941
ENSMUSG00000028669.15	3733.945758	0.563939839	9.67E-21	3.41E-19	Pithd1
ENSMUSG00000028772.19	1267.491588	0.854327232	9.98E-21	3.51E-19	Zcchc17
ENSMUSG00000013622.15	1642.783968	0.795454661	1.04E-20	3.66E-19	Atraid
ENSMUSG00000000171.5	5871.492293	0.474833708	1.36E-20	4.77E-19	Sdhd
ENSMUSG00000043733.14	8292.042634	0.432325276	1.45E-20	5.09E-19	Ptpn11
ENSMUSG00000047554.14	4127.117729	0.541117909	1.65E-20	5.76E-19	Tmem41b
ENSMUSG00000026456.18	4485.737117	0.526367228	1.73E-20	6.04E-19	Cyb5r1
ENSMUSG00000038205.12	1414.444103	0.823279004	1.89E-20	6.58E-19	Prkab2
ENSMUSG00000019900.19	491.438482	-1.29442965	1.97E-20	6.86E-19	Rfx6
ENSMUSG00000078151.3	1090.060792	0.923520466	2.05E-20	7.11E-19	RP23-297J14.5
ENSMUSG0000001056.3	12633.78095	0.428847994	2.05E-20	7.11E-19	Nhp2
ENSMUSG00000042557.14	7119.460466	-0.502194386	2.11E-20	7.31E-19	Sin3a

ENSMUSG00000018848.4	7781.959413	0.453639988	2.25E-20	7.78E-19	Rars
ENSMUSG00000021468.8	2567.375186	0.652030146	2.26E-20	7.81E-19	Sptlc1
ENSMUSG000000041773.8	3694.03176	-0.597278093	2.28E-20	7.85E-19	Enc1
ENSMUSG00000037171.6	3183.831465	-0.565961075	2.50E-20	8.61E-19	Nodal
ENSMUSG00000028583.14	6470.846255	0.501396046	2.70E-20	9.28E-19	Pdpn
ENSMUSG00000030852.17	2805.27941	-0.596376204	2.86E-20	9.81E-19	Tacc2
ENSMUSG00000033149.17	631.1622542	-1.152545623	2.92E-20	9.99E-19	Phldb2
ENSMUSG00000040195.11	9149.277572	-0.417207929	3.27E-20	1.12E-18	Tmem194
ENSMUSG00000018167.10	2662.519714	0.612445211	3.29E-20	1.12E-18	Stard3
ENSMUSG00000033323.13	2365.550791	0.659408074	3.58E-20	1.22E-18	Ctdp1
ENSMUSG00000003352.14	1606.281324	-0.755368265	3.68E-20	1.25E-18	Cacnb3
ENSMUSG00000020454.17	6097.306124	-0.499275959	3.82E-20	1.30E-18	Eif4enif1
ENSMUSG00000090120.1	85.65200757	4.582652968	4.00E-20	1.36E-18	RP24-272L6.1
ENSMUSG00000031431.13	2588.16498	-0.607689726	4.13E-20	1.40E-18	Tsc22d3
ENSMUSG00000003437.14	3721.764126	0.533198707	4.24E-20	1.43E-18	Paf1
ENSMUSG00000029033.16	1260.860656	0.835758691	4.65E-20	1.57E-18	Acap3
ENSMUSG000000040599.13	2687.486921	0.65477688	4.90E-20	1.65E-18	Mis12
ENSMUSG00000074340.9	408.7833171	1.446221873	4.96E-20	1.67E-18	Ovgp1
ENSMUSG00000025366.8	2142.438086	0.721823216	5.19E-20	1.74E-18	Esyt1
ENSMUSG00000057637.13	12936.48462	-0.477605859	5.49E-20	1.84E-18	Prdm2
ENSMUSG00000040021.13	2770.881523	0.598329329	5.58E-20	1.87E-18	Lats1
ENSMUSG00000047213.14	5236.353372	-0.505250957	5.79E-20	1.94E-18	Ythdf3
ENSMUSG00000069094.12	2594.073949	-0.638946067	5.91E-20	1.97E-18	Pde7a
ENSMUSG00000021614.16	879.6386581	-0.983075179	6.11E-20	2.04E-18	Vcan
ENSMUSG00000020232.17	2167.855338	0.649850033	6.16E-20	2.05E-18	Hmg20b
ENSMUSG00000001441.13	10926.05884	-0.402376671	6.46E-20	2.15E-18	Npepps
ENSMUSG00000079111.3	4873.768534	0.482381963	6.69E-20	2.22E-18	Kdelr2
ENSMUSG00000029513.14	1840.134162	0.692596063	7.03E-20	2.33E-18	Prkab1
ENSMUSG00000021815.4	316.1585884	1.727148696	7.40E-20	2.45E-18	Mss51
ENSMUSG00000038650.15	4383.500534	-0.554822754	7.45E-20	2.46E-18	Rnh1
ENSMUSG00000075470.2	7085.158997	-0.45792024	7.78E-20	2.56E-18	Alg10b
ENSMUSG00000038132.6	1980.833555	-0.673748421	7.92E-20	2.61E-18	Rbm24
ENSMUSG000000026142.15	2605.431864	0.62351469	8.11E-20	2.67E-18	Rhbdd1
ENSMUSG00000023272.4	5193.094266	0.510933483	8.12E-20	2.67E-18	Creld2
ENSMUSG00000031812.16	4983.186822	0.484119546	8.40E-20	2.75E-18	Map1lc3b
ENSMUSG00000018160.15	9596.48007	0.432783656	8.62E-20	2.82E-18	Med1
ENSMUSG00000034659.14	1975.721803	0.703033742	9.98E-20	3.26E-18	Tmem109
ENSMUSG00000007338.9	3172.039559	0.556185378	1.06E-19	3.45E-18	Mrpl49
ENSMUSG00000037172.14	1558.201407	-0.776549488	1.10E-19	3.59E-18	RP23-83N17.1
ENSMUSG000000049823.9	707.6834842	-1.080037299	1.20E-19	3.89E-18	Zbtb12
ENSMUSG00000030168.13	13022.73138	-0.371784186	1.23E-19	4.01E-18	Adipor2
ENSMUSG00000028878.11	1764.169754	0.703701267	1.27E-19	4.12E-18	Fam76a
ENSMUSG00000039671.18	11320.79862	-0.405777796	1.32E-19	4.28E-18	Zmynd8
ENSMUSG00000026311.16	1342.305124	0.792207864	1.37E-19	4.43E-18	Asb1
ENSMUSG00000059493.13	1436.722723	-0.790289878	1.52E-19	4.89E-18	Nhs
ENSMUSG00000041688.16	8508.644202	-0.464854724	1.56E-19	5.04E-18	Amot
ENSMUSG00000032869.15	2023.909082	0.685747377	1.62E-19	5.21E-18	Psmf1
ENSMUSG00000022770.17	6008.807683	-0.466699982	1.64E-19	5.26E-18	Dlg1
ENSMUSG00000037010.7	1032.834414	-1.031146292	1.75E-19	5.61E-18	Apln
ENSMUSG00000020720.13	10108.1766	0.390082509	1.78E-19	5.72E-18	Psmd12
ENSMUSG00000037020.16	1764.211261	0.737904063	1.99E-19	6.36E-18	Wdr62
ENSMUSG00000034168.7	1596.769293	-0.742452793	2.05E-19	6.56E-18	Irf2bpl
ENSMUSG00000024732.7	2250.743586	0.641427413	2.26E-19	7.20E-18	Ccdc86
ENSMUSG00000087166.9	11182.28303	-0.431513657	2.33E-19	7.43E-18	L1td1
ENSMUSG00000031530.6	992.2961239	0.914153405	2.44E-19	7.78E-18	Dusp4
ENSMUSG00000063884.6	5988.390503	0.490561369	2.48E-19	7.89E-18	Ptcd3
ENSMUSG00000020883.18	3539.708597	-0.529171375	2.54E-19	8.06E-18	Fbxl20
ENSMUSG00000030172.15	4644.340841	0.526171626	2.58E-19	8.18E-18	Erc1
ENSMUSG00000071035.5	1749.870953	0.769216466	2.59E-19	8.21E-18	RP23-310B17.2
ENSMUSG00000033237.19	7444.620344	-0.472971656	2.65E-19	8.37E-18	Arid2
ENSMUSG00000052713.8	2973.359916	-0.563727944	2.67E-19	8.43E-18	Zfp608
ENSMUSG00000021666.16	3397.341272	0.536533077	2.77E-19	8.72E-18	Gfm2
ENSMUSG000000110404.1	177.5098196	2.171357327	3.03E-19	9.53E-18	Rnf223
ENSMUSG00000050565.16	4869.894419	0.473645551	3.24E-19	1.02E-17	Tor1aip2
ENSMUSG00000015957.12	850.6374769	-0.992619228	3.57E-19	1.12E-17	Wnt11
ENSMUSG00000031398.13	1500.422563	-0.770500057	3.69E-19	1.16E-17	Plxn3
ENSMUSG00000046312.4	1827.347926	0.743307451	3.80E-19	1.19E-17	RP23-100C7.2
ENSMUSG00000019894.14	1977.035216	-0.731976063	4.27E-19	1.33E-17	Slc6a15
ENSMUSG00000001755.12	2259.06555	0.646433398	4.56E-19	1.42E-17	Coasy
ENSMUSG00000028931.11	282.3245107	1.667596077	4.64E-19	1.44E-17	Kcnab2

ENSMUSG00000038217.13	98.14206387	3.865409917	4.65E-19	1.45E-17	Tlcd2
ENSMUSG000000051223.14	9508.150433	0.407053135	4.75E-19	1.47E-17	Bzw1
ENSMUSG000000022558.16	1722.757048	0.715824877	4.92E-19	1.52E-17	Mroh1
ENSMUSG000000015597.16	2033.923399	-0.689547603	4.96E-19	1.53E-17	Zfp318
ENSMUSG000000031790.8	1593.951156	-0.740805319	5.50E-19	1.70E-17	Mmp15
ENSMUSG000000022191.16	7002.427436	0.435810728	5.61E-19	1.73E-17	Drosha
ENSMUSG000000020956.14	1206.188431	0.817194738	5.93E-19	1.83E-17	Dtd2
ENSMUSG000000036523.16	1034.400193	-0.891804695	6.03E-19	1.86E-17	Greb1
ENSMUSG000000049929.7	4011.492986	-0.508405739	6.56E-19	2.02E-17	Lpar4
ENSMUSG000000079429.9	288.9425813	1.63923626	6.57E-19	2.02E-17	Mroh2a
ENSMUSG000000034681.16	10778.62963	0.402179668	6.74E-19	2.07E-17	Rnps1
ENSMUSG000000041278.10	2667.856349	0.582817454	6.96E-19	2.13E-17	Ttc1
ENSMUSG000000028883.17	556.7236039	-1.187414765	7.17E-19	2.19E-17	Sema3a
ENSMUSG000000025261.17	52911.19061	-0.403369169	7.51E-19	2.29E-17	Huwe1
ENSMUSG000000002103.15	1084.060067	-0.861914206	7.67E-19	2.34E-17	Acp2
ENSMUSG000000058454.15	18161.41164	0.367894079	7.90E-19	2.40E-17	Dhcr7
ENSMUSG000000005533.10	8378.104937	-0.401481572	8.10E-19	2.46E-17	Igf1r
ENSMUSG000000022407.10	6513.379773	0.429561012	8.12E-19	2.46E-17	Adsl
ENSMUSG000000032171.7	7122.646369	0.417002588	8.27E-19	2.51E-17	Pin1
ENSMUSG000000020790.14	5995.448525	0.446768086	8.32E-19	2.52E-17	Ankfy1
ENSMUSG000000028476.13	929.4424477	-1.006749041	8.74E-19	2.64E-17	Reck
ENSMUSG000000029345.13	1877.82851	0.677612763	9.56E-19	2.89E-17	Tfip11
ENSMUSG000000032712.16	4630.653275	-0.520381744	1.01E-18	3.05E-17	RP23-214L4.1
ENSMUSG000000023143.10	1102.634424	0.850129332	1.04E-18	3.12E-17	Nagpa
ENSMUSG000000019188.16	2589.297093	0.588975194	1.06E-18	3.19E-17	H13
ENSMUSG000000028439.14	308.7780142	1.586811839	1.09E-18	3.28E-17	Fam219a
ENSMUSG000000074064.6	560.3103531	1.194074339	1.10E-18	3.31E-17	Mlycd
ENSMUSG000000022564.7	3476.445364	0.634765966	1.11E-18	3.33E-17	Grina
ENSMUSG000000019817.18	5062.358692	-0.473075229	1.13E-18	3.39E-17	Plagl1
ENSMUSG00000002265.16	15116.14688	-0.437866635	1.16E-18	3.47E-17	Peg3
ENSMUSG000000113831.1	487.2009229	1.265166875	1.26E-18	3.75E-17	RP24-144G20.2
ENSMUSG000000042709.14	2880.685718	0.558184119	1.28E-18	3.80E-17	Atpaf2
ENSMUSG000000042439.12	1799.027062	-0.755785342	1.29E-18	3.82E-17	Zfp532
ENSMUSG000000045665.5	2673.051736	0.580414404	1.29E-18	3.82E-17	Mfsd5
ENSMUSG000000066357.6	6290.649828	0.451223957	1.30E-18	3.85E-17	Wdr6
ENSMUSG000000059890.16	4185.838633	0.490951457	1.37E-18	4.04E-17	Ube4a
ENSMUSG000000031586.17	6111.298093	-0.467848343	1.37E-18	4.05E-17	Rbpms
ENSMUSG000000034271.16	365.1859885	-1.447017047	1.39E-18	4.10E-17	Jdp2
ENSMUSG000000063550.8	6464.54804	0.454284442	1.45E-18	4.29E-17	Nup98
ENSMUSG000000022518.16	86.81373092	3.669204454	1.47E-18	4.32E-17	RP23-354F11.2
ENSMUSG000000042772.15	4454.370601	-0.519392097	1.53E-18	4.49E-17	Smg7
ENSMUSG000000022464.14	14045.72947	-0.359764141	1.70E-18	4.98E-17	Slc38a4
ENSMUSG000000063894.15	1393.499518	-0.767203367	1.79E-18	5.26E-17	Zkscan8
ENSMUSG000000078713.8	2867.49746	0.616005808	1.85E-18	5.42E-17	Tomm5
ENSMUSG000000028691.12	29763.30236	0.363637647	1.87E-18	5.46E-17	Prdx1
ENSMUSG000000020432.12	4599.302918	0.491005496	1.87E-18	5.48E-17	Tcn2
ENSMUSG000000041912.12	2019.003312	0.726656742	2.02E-18	5.89E-17	Tdrkh
ENSMUSG000000024811.11	25164.60202	-0.336326607	2.05E-18	5.97E-17	Tnks2
ENSMUSG000000027536.6	669.7261244	-1.066456852	2.15E-18	6.26E-17	Chmp4c
ENSMUSG000000060206.11	5089.96823	-0.491107741	2.24E-18	6.50E-17	Zfp462
ENSMUSG000000041849.7	164.2155556	2.277924586	2.25E-18	6.54E-17	Card6
ENSMUSG000000025597.13	1557.919134	-0.718875016	2.26E-18	6.54E-17	Klh4
ENSMUSG000000066632.3	34541.97614	-0.332260665	2.54E-18	7.36E-17	Pgk1-rs7
ENSMUSG000000028763.17	13594.5155	-0.372458108	2.61E-18	7.55E-17	Hspg2
ENSMUSG000000009097.10	793.7546705	-0.961498683	2.97E-18	8.56E-17	Tbx1
ENSMUSG000000020808.3	4974.789929	0.46908801	3.00E-18	8.65E-17	Fam64a
ENSMUSG00000019984.16	3857.0091	-0.498015522	3.04E-18	8.76E-17	Med23
ENSMUSG000000029093.14	1692.90286	0.721291757	3.10E-18	8.92E-17	Sorcs2
ENSMUSG000000071660.10	2052.038844	-0.661420674	3.25E-18	9.33E-17	Ttc9c
ENSMUSG000000030946.13	913.9417701	0.90393904	3.28E-18	9.40E-17	Lhpp
ENSMUSG00000001436.15	1679.075357	-0.683487859	3.34E-18	9.55E-17	Slc19a1
ENSMUSG000000057497.8	4251.087976	0.480117466	3.35E-18	9.59E-17	Fam136a
ENSMUSG000000042331.13	1173.752439	0.811222427	3.40E-18	9.72E-17	Specc1
ENSMUSG000000071235.12	2130.216975	-0.65567224	3.49E-18	9.95E-17	Vrtn
ENSMUSG00000001419.17	2226.615086	-0.625847843	3.53E-18	1.00E-16	Mef2d
ENSMUSG000000032902.1	15889.63153	0.350723087	3.58E-18	1.02E-16	Slc16a1
ENSMUSG000000022055.7	1065.116892	-0.923613728	3.68E-18	1.04E-16	Nefl
ENSMUSG000000069008.3	33989.91167	-0.331596531	4.17E-18	1.18E-16	RP24-279N5.1
ENSMUSG000000032905.4	1742.341285	0.677097727	4.24E-18	1.20E-16	Atg12
ENSMUSG000000097900.1	2217.027604	-0.668889869	4.32E-18	1.22E-16	RP23-360N5.4

ENSMUSG00000034573.14	3898.038504	-0.50369742	4.34E-18	1.23E-16	Ptpn13
ENSMUSG00000041058.15	1989.041087	-0.67583583	4.37E-18	1.23E-16	Wwp1
ENSMUSG00000020674.17	12539.70026	-0.359600508	4.44E-18	1.25E-16	Pxdn
ENSMUSG00000000303.12	8919.478587	-0.393163988	4.63E-18	1.30E-16	Cdh1
ENSMUSG00000068036.14	12517.81563	-0.372375789	4.76E-18	1.34E-16	Mlit4
ENSMUSG00000036046.14	3341.089058	0.530441294	4.79E-18	1.34E-16	RP23-180L12.1
ENSMUSG00000043909.16	5428.712342	-0.48013885	4.89E-18	1.37E-16	Trp53bp1
ENSMUSG00000044021.14	1966.146042	-0.812000662	4.92E-18	1.38E-16	Muc19
ENSMUSG00000005483.10	2740.381614	0.568016963	4.95E-18	1.38E-16	Dnajb1
ENSMUSG00000026565.18	3682.520727	-0.545220054	5.01E-18	1.40E-16	Pou2f1
ENSMUSG00000051817.8	4003.566084	-0.489683566	5.15E-18	1.44E-16	Sox12
ENSMUSG00000032997.16	3731.386733	0.503718263	5.22E-18	1.45E-16	Chpf
ENSMUSG00000007872.3	1817.506231	0.707355928	5.59E-18	1.55E-16	Id3
ENSMUSG00000021846.9	1235.233648	-0.808656123	5.62E-18	1.56E-16	Peli2
ENSMUSG00000026202.13	2314.451465	0.604189137	5.64E-18	1.56E-16	Tuba4a
ENSMUSG00000061360.8	4249.508393	0.48492512	5.94E-18	1.65E-16	Phf5a
ENSMUSG00000031217.8	657.217776	1.076991299	5.97E-18	1.65E-16	Pou1b1
ENSMUSG00000027957.13	1678.976881	-0.697691946	5.98E-18	1.65E-16	Slc35a3
ENSMUSG0000001870.15	1888.509959	-0.660701929	6.08E-18	1.68E-16	Ltbp1
ENSMUSG00000032449.13	3621.529744	-0.578675578	6.51E-18	1.80E-16	Slc25a36
ENSMUSG00000049230.8	3713.862062	-0.503349711	6.52E-18	1.80E-16	RP24-137C19.1
ENSMUSG00000020708.12	10040.2949	0.411628346	6.64E-18	1.83E-16	Psmc5
ENSMUSG00000068566.12	3022.394615	-0.53500047	7.89E-18	2.17E-16	Myadm
ENSMUSG00000032867.8	5117.626939	0.449405751	8.27E-18	2.27E-16	Fbxw8
ENSMUSG00000037331.15	34622.93952	-0.332530931	8.29E-18	2.27E-16	Larp1
ENSMUSG00000020250.10	13006.6631	0.359690187	8.38E-18	2.29E-16	Txnrd1
ENSMUSG00000071347.3	78.71827054	5.177491874	8.73E-18	2.39E-16	C1qtnf9
ENSMUSG00000039000.8	4342.821556	0.476199659	9.37E-18	2.56E-16	Ube3c
ENSMUSG00000039693.11	2434.865902	-0.581039043	9.61E-18	2.62E-16	Msantd3
ENSMUSG00000078515.4	4250.598904	0.495380781	9.71E-18	2.64E-16	Ddi2
ENSMUSG00000035325.16	6464.276218	0.428036246	9.82E-18	2.67E-16	Sec31a
ENSMUSG00000028096.13	3086.27026	0.56449717	1.01E-17	2.75E-16	Gpr89
ENSMUSG00000029862.15	325.9838562	1.546154536	1.04E-17	2.80E-16	Cln1
ENSMUSG00000033712.6	4017.884025	0.484278474	1.03E-17	2.80E-16	Ccar2
ENSMUSG00000019916.14	5140.86543	-0.469038192	1.06E-17	2.88E-16	P4ha1
ENSMUSG00000037685.15	2730.050884	-0.604473843	1.14E-17	3.08E-16	Atp8a1
ENSMUSG00000017837.12	2336.15087	0.60572064	1.14E-17	3.08E-16	Nkiras2
ENSMUSG00000030428.16	1273.711263	-0.779228684	1.14E-17	3.08E-16	Ttyh1
ENSMUSG00000028111.4	83.98277153	3.61378324	1.18E-17	3.19E-16	Ctsk
ENSMUSG00000001054.9	1832.876012	0.650792554	1.19E-17	3.21E-16	Rmnd5b
ENSMUSG00000003200.9	3930.791897	0.486226432	1.20E-17	3.22E-16	Sh3gl1
ENSMUSG00000053617.11	1489.587949	-0.736360734	1.20E-17	3.22E-16	Sh3pxd2a
ENSMUSG00000028800.15	13788.96658	0.349959711	1.25E-17	3.35E-16	Hdac1
ENSMUSG00000023905.14	728.6310304	1.049188027	1.27E-17	3.41E-16	Tnfrsf12a
ENSMUSG00000040997.13	2163.641993	0.609432402	1.28E-17	3.42E-16	Abhd4
ENSMUSG0000001445.10	4674.441161	0.494290059	1.34E-17	3.58E-16	Mrpl10
ENSMUSG00000036698.11	14563.19439	-0.469821845	1.34E-17	3.58E-16	Ag02
ENSMUSG00000028152.10	2585.692988	-0.563392617	1.36E-17	3.61E-16	Tspan5
ENSMUSG00000036103.8	4048.902626	-0.481950417	1.36E-17	3.61E-16	Colec12
ENSMUSG00000038119.15	2552.357648	-0.571978709	1.37E-17	3.65E-16	Cdon
ENSMUSG00000029703.10	2668.460838	-0.567433739	1.45E-17	3.84E-16	Lrwd1
ENSMUSG00000035781.14	2905.476073	0.586692659	1.48E-17	3.93E-16	R3hdm4
ENSMUSG00000020048.13	38894.36027	0.323358223	1.49E-17	3.96E-16	Hsp90b1
ENSMUSG00000021819.11	3205.14531	0.546433974	1.53E-17	4.04E-16	Zswim8
ENSMUSG00000028484.16	14623.40382	-0.343389411	1.61E-17	4.24E-16	Prip1
ENSMUSG00000108841.1	565.3709969	-1.121615363	1.66E-17	4.37E-16	Frrpd2
ENSMUSG00000100826.6	27787.0349	-0.397026569	1.69E-17	4.46E-16	Snhg14
ENSMUSG00000034518.14	4510.332051	-0.496695679	1.70E-17	4.46E-16	Hmgxb4
ENSMUSG00000035403.10	1377.836627	-0.775910736	1.70E-17	4.46E-16	Crb2
ENSMUSG00000019790.17	2381.676877	-0.582175631	1.70E-17	4.47E-16	Stxbp5
ENSMUSG00000041632.7	2404.293007	0.582548	1.71E-17	4.48E-16	Mrps27
ENSMUSG00000025381.3	5912.151844	0.450301063	1.73E-17	4.54E-16	Cnpy2
ENSMUSG00000020620.14	781.5393727	-1.002736002	1.82E-17	4.75E-16	Abca8b
ENSMUSG00000024851.13	1498.373723	-0.743113945	1.82E-17	4.76E-16	Pitpnm1
ENSMUSG00000027353.14	1735.610723	0.660209582	1.83E-17	4.77E-16	Mcm8
ENSMUSG00000039735.15	4051.158878	-0.480235649	1.85E-17	4.81E-16	Fnbp1l
ENSMUSG00000106928.1	115.2358458	2.702161087	1.95E-17	5.08E-16	RP23-26P10.1
ENSMUSG00000022353.10	1771.569011	-0.667325434	2.11E-17	5.49E-16	Mtss1
ENSMUSG00000062070.12	63623.20498	-0.324080833	2.24E-17	5.81E-16	Pgk1
ENSMUSG00000022898.13	2299.292022	0.593422257	2.29E-17	5.93E-16	Dscr3

ENSMUSG00000048546.8	1608.728907	0.712696574	2.30E-17	5.95E-16	Tob2
ENSMUSG00000039473.8	2491.975932	0.576671741	2.34E-17	6.05E-16	Ubn1
ENSMUSG00000021327.19	2565.819239	-0.627179806	2.38E-17	6.14E-16	Zkscan3
ENSMUSG00000023902.18	2422.137131	-0.582568015	2.56E-17	6.61E-16	Zscan10
ENSMUSG00000037795.14	1683.899215	-0.762765665	2.62E-17	6.76E-16	N4bp2
ENSMUSG00000027447.6	5695.713824	0.484259679	2.63E-17	6.78E-16	Cst3
ENSMUSG00000031060.16	3423.369404	-0.53132109	2.69E-17	6.91E-16	Rbm10
ENSMUSG00000111394.1	4960.443531	-0.529208354	2.80E-17	7.19E-16	RP23-320D23.6
ENSMUSG00000029919.5	83.18590089	3.474003352	2.88E-17	7.38E-16	Hpgds
ENSMUSG00000032842.13	516.8037978	-1.188464773	2.99E-17	7.66E-16	Abcc10
ENSMUSG00000037503.12	5244.629073	-0.441625723	3.05E-17	7.82E-16	Fam168b
ENSMUSG00000046352.7	375.999665	-1.337314752	3.19E-17	8.16E-16	Gjb2
ENSMUSG00000003039.9	2733.864938	0.587868611	3.25E-17	8.29E-16	Fam32a
ENSMUSG00000052609.9	1106.859236	-0.820841723	3.39E-17	8.65E-16	Plekhg3
ENSMUSG00000020133.8	1158.839306	0.843066479	3.45E-17	8.80E-16	RP23-341K9.1
ENSMUSG00000020363.6	2664.905312	0.550704976	3.86E-17	9.81E-16	Gfpt2
ENSMUSG00000092274.2	638.3819153	-1.02657839	4.46E-17	1.13E-15	Neat1
ENSMUSG00000038369.14	1918.973174	-0.64369608	4.47E-17	1.13E-15	Ncoa6
ENSMUSG00000030327.8	3511.164577	0.505910959	4.59E-17	1.16E-15	Necap1
ENSMUSG00000022048.8	2422.193889	0.59724067	4.74E-17	1.20E-15	Dpysl2
ENSMUSG00000021411.16	739.2383479	-0.964199814	4.86E-17	1.23E-15	Pxdc1
ENSMUSG00000027300.9	1181.483961	0.772529604	4.94E-17	1.25E-15	Ubox5
ENSMUSG00000024186.15	741.0548704	-1.061999428	5.03E-17	1.27E-15	Rgs11
ENSMUSG00000017195.15	82.92500952	3.532367207	5.08E-17	1.28E-15	Zppb2
ENSMUSG00000024085.13	3135.685823	-0.524143757	5.15E-17	1.30E-15	Man2a1
ENSMUSG00000016256.10	7247.768983	0.469124292	5.64E-17	1.42E-15	Ctsz
ENSMUSG00000062554.7	1625.152404	0.688758409	5.79E-17	1.45E-15	RP23-418K7.1
ENSMUSG00000031229.16	8186.811813	-0.516683877	5.89E-17	1.48E-15	Atrx
ENSMUSG00000006215.12	2248.121613	0.597703464	5.90E-17	1.48E-15	Zbtb17
ENSMUSG00000053477.17	3418.59422	-0.511488253	5.92E-17	1.48E-15	Tcf4
ENSMUSG00000029208.16	1871.046962	-0.637039136	5.96E-17	1.49E-15	Guf1
ENSMUSG00000024913.16	6918.356496	-0.407094424	6.16E-17	1.54E-15	Lrp5
ENSMUSG00000025264.12	2828.051567	0.557445434	6.42E-17	1.60E-15	Tsr2
ENSMUSG00000037234.17	1884.189368	-0.718818637	6.42E-17	1.60E-15	Hook3
ENSMUSG00000029007.8	4533.744871	0.480903146	6.48E-17	1.61E-15	Agtrap
ENSMUSG00000026918.16	6208.619559	-0.473025807	6.53E-17	1.62E-15	Brd3
ENSMUSG00000060429.12	1007.02489	-0.82478204	6.85E-17	1.70E-15	Sntb1
ENSMUSG00000032215.15	4017.684488	0.488719175	6.86E-17	1.70E-15	Rsl24d1
ENSMUSG00000026275.13	4051.766652	0.503413892	6.89E-17	1.71E-15	Ppp1r7
ENSMUSG00000021000.16	4183.003662	-0.465087145	6.90E-17	1.71E-15	Mia2
ENSMUSG00000024044.17	2355.751851	-0.580334916	7.08E-17	1.75E-15	Epb41l3
ENSMUSG00000029203.16	9678.871416	-0.375871271	7.79E-17	1.92E-15	Ube2k
ENSMUSG00000040511.14	1828.787347	-0.780279847	7.88E-17	1.94E-15	Pvr
ENSMUSG00000041658.12	3985.608227	-0.482494331	8.72E-17	2.15E-15	Rragb
ENSMUSG00000023883.13	5335.773039	-0.448738232	8.75E-17	2.15E-15	Phf10
ENSMUSG00000044244.18	101.3909613	2.875851242	8.87E-17	2.18E-15	Il20rb
ENSMUSG00000030101.15	2342.747433	0.575054145	9.05E-17	2.22E-15	Sumf1
ENSMUSG00000023150.14	10530.66531	-0.408049342	9.51E-17	2.33E-15	lvns1abp
ENSMUSG00000064127.13	3552.626459	-0.598054132	9.54E-17	2.34E-15	Med14
ENSMUSG00000020000.7	1755.698878	-0.673007234	9.67E-17	2.37E-15	Moxd1
ENSMUSG00000039067.5	7067.409239	0.395541347	9.80E-17	2.39E-15	Psmd7
ENSMUSG00000038143.16	1938.381724	-0.615299109	9.83E-17	2.40E-15	Stox2
ENSMUSG00000048834.16	240.5120261	-1.656149458	1.02E-16	2.49E-15	Vstm2a
ENSMUSG00000027276.7	2032.336705	-0.639598166	1.05E-16	2.56E-15	Jag1
ENSMUSG00000024598.8	1542.57213	-0.678137691	1.06E-16	2.57E-15	Fbn2
ENSMUSG00000057177.12	2705.215497	-0.554465711	1.06E-16	2.57E-15	Gsk3a
ENSMUSG00000021796.15	5674.361907	-0.436796733	1.08E-16	2.61E-15	Bmpr1a
ENSMUSG00000042810.14	2419.66081	-0.561023156	1.11E-16	2.69E-15	Krba1
ENSMUSG00000039427.14	1608.010915	0.689991797	1.15E-16	2.78E-15	Alg1
ENSMUSG00000039844.19	6298.45015	0.413195949	1.19E-16	2.88E-15	Rapgef1
ENSMUSG00000047749.2	1446.131934	-0.775124484	1.21E-16	2.92E-15	Zc3hav1l
ENSMUSG00000044948.16	723.4420088	-0.954459578	1.31E-16	3.17E-15	Cfap43
ENSMUSG00000028670.14	3090.278409	0.527091816	1.44E-16	3.46E-15	Lypla2
ENSMUSG00000027130.15	1517.213404	-0.689435963	1.45E-16	3.49E-15	Slc12a6
ENSMUSG00000032338.9	324.8600484	-1.405902484	1.45E-16	3.49E-15	Hcn4
ENSMUSG00000022199.12	1247.306096	-0.744018862	1.47E-16	3.54E-15	Slc22a17
ENSMUSG00000095159.2	5287.005422	0.45296006	1.56E-16	3.74E-15	Tubb4b-ps1
ENSMUSG00000005125.13	1934.345711	-0.822411419	1.66E-16	3.98E-15	Ndrp1
ENSMUSG00000049550.17	2674.098072	-0.572767458	1.73E-16	4.15E-15	Clip1
ENSMUSG00000018849.6	4596.89795	-0.451802196	1.76E-16	4.20E-15	Wwc1

ENSMUSG00000030246.11	3398.487485	-0.533997363	1.82E-16	4.35E-15	Ldhd
ENSMUSG00000069516.8	345.488033	1.369897953	1.85E-16	4.42E-15	Lyz2
ENSMUSG00000034220.7	8441.867948	0.372258614	1.85E-16	4.42E-15	Gpc1
ENSMUSG00000019505.7	95730.03461	0.276053609	1.87E-16	4.45E-15	Ubb
ENSMUSG00000023988.8	4495.694206	0.464958845	1.91E-16	4.54E-15	Bysl
ENSMUSG00000022094.15	1885.920544	-0.64463158	1.91E-16	4.55E-15	Slc39a14
ENSMUSG00000034252.14	4723.322864	-0.453227183	1.96E-16	4.65E-15	Senp6
ENSMUSG00000024413.13	5867.797313	0.420947585	2.03E-16	4.82E-15	Npc1
ENSMUSG00000090673.1	855.9529181	0.907678301	2.04E-16	4.82E-15	Gm340
ENSMUSG00000044783.16	12192.13312	-0.372239062	2.05E-16	4.85E-15	Hjrp
ENSMUSG00000052456.9	6296.981006	0.408924861	2.20E-16	5.19E-15	Asna1
ENSMUSG00000020368.15	62491.29744	0.301503497	2.25E-16	5.30E-15	Canx
ENSMUSG00000079477.9	7623.185347	0.379621335	2.41E-16	5.69E-15	Rab7
ENSMUSG00000017615.12	3488.266594	0.487933389	2.47E-16	5.81E-15	Tnfrsf1
ENSMUSG00000062098.11	1721.709301	-0.642863444	2.48E-16	5.83E-15	Btdb3
ENSMUSG0000000148.17	1283.337849	0.735080521	2.49E-16	5.85E-15	Brat1
ENSMUSG00000039148.4	5079.434263	0.428434103	2.49E-16	5.86E-15	Sart1
ENSMUSG00000001034.17	3756.550152	0.478750357	2.53E-16	5.93E-15	Mapk7
ENSMUSG00000022387.17	5031.042382	-0.432565044	2.79E-16	6.54E-15	Brd1
ENSMUSG00000107000.1	228.7679069	-1.685763429	2.79E-16	6.54E-15	RP23-15K13.2
ENSMUSG00000018362.14	17023.60675	0.344432138	2.85E-16	6.68E-15	Kpna2
ENSMUSG00000000001.4	7751.641655	0.381317401	2.93E-16	6.83E-15	Gnai3
ENSMUSG00000019961.17	11600.63927	-0.368805145	2.97E-16	6.92E-15	Tmpo
ENSMUSG000000064370.1	97691.18798	0.325230452	3.16E-16	7.37E-15	mt-Cytb
ENSMUSG00000027879.9	2570.940284	0.545566387	3.20E-16	7.44E-15	Sec22b
ENSMUSG00000038648.5	823.3766815	-0.894549947	3.26E-16	7.58E-15	Creb3l2
ENSMUSG00000039137.18	1274.921204	-0.786576952	3.27E-16	7.61E-15	Whrn
ENSMUSG00000019362.8	2561.213526	0.5694876	3.33E-16	7.73E-15	RP24-202L5.2
ENSMUSG00000034621.14	6384.661859	0.418397915	3.45E-16	7.98E-15	Gpatch8
ENSMUSG00000048756.11	2872.492363	-0.57055998	3.45E-16	7.98E-15	Foxo3
ENSMUSG00000050240.16	1895.105102	0.619638709	3.59E-16	8.30E-15	Hic2
ENSMUSG00000025981.13	484.7479869	1.16561964	3.66E-16	8.46E-15	Coq10b
ENSMUSG00000025409.14	7052.74839	-0.417836975	3.86E-16	8.92E-15	Mbd6
ENSMUSG00000072969.2	874.0045725	-0.871003661	4.00E-16	9.23E-15	Armcx5
ENSMUSG00000067889.4	1194.038141	-0.762377443	4.09E-16	9.41E-15	Sptbn2
ENSMUSG00000100025.1	1610.725646	0.668460061	4.12E-16	9.49E-15	RP24-302H24.1
ENSMUSG00000019647.16	4971.179527	-0.444741006	4.15E-16	9.54E-15	Sema6a
ENSMUSG00000020260.9	3027.708504	0.524939739	4.29E-16	9.86E-15	Pofut2
ENSMUSG0000000804.14	5050.438659	0.435718813	4.34E-16	9.97E-15	Usp32
ENSMUSG00000046314.16	337.7772514	-1.429666232	4.46E-16	1.02E-14	Stxbp6
ENSMUSG00000021242.9	10266.64798	0.388188321	4.50E-16	1.03E-14	Npc2
ENSMUSG00000114797.1	3362.60101	-0.499017667	4.75E-16	1.09E-14	Nupl1
ENSMUSG00000042272.17	1559.30133	-0.690841447	4.93E-16	1.13E-14	Sestd1
ENSMUSG00000025401.9	207.0218373	1.833723328	5.64E-16	1.29E-14	Myo1a
ENSMUSG00000107002.1	1532.953097	0.674833815	5.91E-16	1.35E-14	RP24-261H7.9
ENSMUSG00000040624.17	1233.228141	-0.743341301	5.95E-16	1.35E-14	Plekhg1
ENSMUSG00000005470.8	1499.982777	0.674507977	5.98E-16	1.36E-14	Asf1b
ENSMUSG00000019432.15	16984.17134	0.314953187	6.05E-16	1.37E-14	Ddx39b
ENSMUSG00000018899.16	1365.177032	-0.717649529	6.05E-16	1.37E-14	Irf1
ENSMUSG00000025132.13	28834.43459	0.291522991	6.75E-16	1.53E-14	Arhgdia
ENSMUSG00000031696.9	9263.190333	0.373403935	6.84E-16	1.55E-14	Vps35
ENSMUSG00000031283.16	813.1272914	-0.893459409	6.86E-16	1.55E-14	Chrd1
ENSMUSG00000001521.12	6708.156548	0.390951123	7.36E-16	1.66E-14	Tulp3
ENSMUSG00000029722.15	1466.012826	0.678123132	7.42E-16	1.68E-14	Agfg2
ENSMUSG00000033955.12	4700.016756	-0.431892033	7.95E-16	1.79E-14	Tnks1bp1
ENSMUSG00000056260.15	1665.931326	0.650477368	7.96E-16	1.79E-14	Lrif1
ENSMUSG00000050332.7	2362.362401	-0.549828657	8.59E-16	1.93E-14	Amer1
ENSMUSG00000041459.15	23292.64649	-0.321394302	8.72E-16	1.96E-14	Tardbp
ENSMUSG00000026342.10	2463.087388	0.567641028	8.95E-16	2.01E-14	Slc35f5
ENSMUSG00000019820.11	5779.382591	-0.434966994	8.98E-16	2.02E-14	Utrn
ENSMUSG00000053550.13	532.7336558	-1.107485237	8.99E-16	2.02E-14	Shisa7
ENSMUSG00000024965.8	205.3176432	1.805888939	9.06E-16	2.03E-14	Fermt3
ENSMUSG00000025495.15	5911.616132	0.398735217	9.79E-16	2.19E-14	Ptdss2
ENSMUSG00000022035.6	2033.539251	0.596884199	1.01E-15	2.25E-14	Ccdc25
ENSMUSG00000051256.10	3445.113984	0.507750717	1.14E-15	2.54E-14	Jagn1
ENSMUSG00000018820.13	3269.200718	0.492634153	1.20E-15	2.67E-14	Zfyve27
ENSMUSG00000096403.2	5884.579754	0.447685234	1.21E-15	2.69E-14	RP23-126H2.2
ENSMUSG00000031511.15	2541.840204	0.542459551	1.26E-15	2.80E-14	Arhgef7
ENSMUSG00000015790.16	1199.71728	0.768362516	1.26E-15	2.81E-14	Surf1
ENSMUSG00000030423.7	1057.509632	0.780299835	1.27E-15	2.82E-14	Pop4

ENSMUSG00000037992.16	8460.008642	-0.377898441	1.32E-15	2.92E-14	Rara
ENSMUSG00000038279.10	10286.23514	0.34531851	1.32E-15	2.94E-14	Nop2
ENSMUSG00000001127.12	3449.796988	-0.475036735	1.38E-15	3.05E-14	Araf
ENSMUSG00000023832.13	16268.73104	0.313116299	1.38E-15	3.05E-14	Acat2
ENSMUSG00000022788.16	556.1185658	-1.082967279	1.39E-15	3.06E-14	Fgd4
ENSMUSG00000069083.4	11319.54781	0.368333734	1.39E-15	3.06E-14	RP24-117N14.1
ENSMUSG00000020413.11	2325.985899	-0.555076448	1.39E-15	3.08E-14	Hus1
ENSMUSG00000028582.14	3043.696573	0.530042439	1.47E-15	3.24E-14	Cc2d1b
ENSMUSG00000001128.7	441.003165	1.273050805	1.51E-15	3.33E-14	Cfp
ENSMUSG00000032018.14	5581.275759	0.418984589	1.53E-15	3.37E-14	Sc5d
ENSMUSG00000033624.10	1973.609363	-0.62628921	1.63E-15	3.58E-14	Pdpr
ENSMUSG00000032180.11	3140.576511	0.489896512	1.64E-15	3.60E-14	Tmed1
ENSMUSG00000004789.10	7708.819407	0.367942109	1.75E-15	3.83E-14	Dlst
ENSMUSG00000048388.3	3963.046414	-0.534884072	1.81E-15	3.97E-14	Fam171b
ENSMUSG00000024754.12	7117.32449	-0.394283529	1.82E-15	3.99E-14	Tmem2
ENSMUSG00000000078.7	3499.246191	0.475941508	1.83E-15	4.00E-14	Klf6
ENSMUSG0000003847.16	4182.237888	-0.526345858	1.86E-15	4.07E-14	Nfc5
ENSMUSG00000041341.10	8073.779838	-0.387523168	1.87E-15	4.08E-14	Atg2b
ENSMUSG00000066878.4	12548.97196	0.359881264	1.90E-15	4.14E-14	Gm10184
ENSMUSG00000047146.17	6616.604987	-0.522737759	1.91E-15	4.15E-14	Tet1
ENSMUSG00000027359.16	514.6364618	-1.094121199	1.97E-15	4.28E-14	Slc27a2
ENSMUSG00000038914.15	6335.692751	-0.430456457	1.98E-15	4.30E-14	Dido1
ENSMUSG00000021282.17	15304.00382	0.318888769	2.01E-15	4.36E-14	Eif5
ENSMUSG000000021779.17	478.3071133	-1.133279636	2.09E-15	4.52E-14	Thrb
ENSMUSG00000034667.8	9539.800125	-0.366917781	2.19E-15	4.75E-14	Xpot
ENSMUSG00000003410.8	1037.357057	0.796912031	2.27E-15	4.91E-14	Elavl3
ENSMUSG00000022474.15	5818.161209	0.395859778	2.29E-15	4.96E-14	Pmm1
ENSMUSG00000036106.15	829.605386	0.860330567	2.30E-15	4.97E-14	Prr5
ENSMUSG00000062931.15	793.5230157	0.882128575	2.33E-15	5.03E-14	Zfp938
ENSMUSG00000039419.17	1123.127002	-0.76487948	2.36E-15	5.10E-14	Cntnap2
ENSMUSG00000063952.15	913.5776066	-0.825993075	2.38E-15	5.12E-14	Brpf3
ENSMUSG00000031691.14	7465.128766	0.369511436	2.40E-15	5.16E-14	Tnpo2
ENSMUSG00000070461.3	121.5105338	2.362289939	2.49E-15	5.35E-14	RP23-397H18.5
ENSMUSG00000115684.1	5677.358092	-0.41396595	2.62E-15	5.62E-14	RP23-407B7.1
ENSMUSG00000035227.7	9257.883456	0.372830767	2.74E-15	5.88E-14	Spcs2
ENSMUSG00000019433.9	3605.722415	0.467064641	2.75E-15	5.90E-14	Gipc1
ENSMUSG00000008730.17	4999.10239	-0.465233648	2.77E-15	5.92E-14	Hipk1
ENSMUSG00000028618.11	6417.197217	0.426522292	2.89E-15	6.19E-14	Tmem59
ENSMUSG00000028621.17	560.6730865	1.028253774	2.92E-15	6.24E-14	Cyb5l
ENSMUSG00000021203.15	1459.25493	-0.669827552	2.97E-15	6.33E-14	Otub2
ENSMUSG00000021484.8	7354.638346	0.390829697	3.00E-15	6.40E-14	Lman2
ENSMUSG00000035704.17	1794.094559	0.621406131	3.11E-15	6.62E-14	Alg8
ENSMUSG00000051375.15	3043.538169	-0.538520897	3.19E-15	6.79E-14	Pcdh1
ENSMUSG00000054256.11	3181.61087	-0.500205079	3.26E-15	6.92E-14	Msi1
ENSMUSG00000053897.15	9758.322792	-0.365368451	3.31E-15	7.03E-14	Slc39a8
ENSMUSG00000020456.17	8549.786894	0.357277941	3.52E-15	7.46E-14	Ogdh
ENSMUSG00000025138.14	1049.834346	0.889900113	3.62E-15	7.66E-14	Sirt7
ENSMUSG00000027646.15	1467.258849	-0.667444799	3.68E-15	7.79E-14	Src
ENSMUSG00000028693.15	33289.39096	0.302053696	3.70E-15	7.82E-14	Nasp
ENSMUSG00000020741.17	4755.346487	0.429969995	4.01E-15	8.47E-14	Cluh
ENSMUSG00000039183.5	1527.323696	0.643483357	4.07E-15	8.59E-14	Nubp2
ENSMUSG00000028069.16	2103.669455	0.5797448	4.10E-15	8.66E-14	Gpatch4
ENSMUSG00000033940.8	4464.583185	0.467791228	4.13E-15	8.71E-14	Brk1
ENSMUSG00000023942.15	3494.044028	-0.465607112	4.24E-15	8.94E-14	Slc29a1
ENSMUSG00000040370.13	1057.137404	0.805931356	4.29E-15	9.02E-14	Etfrr1
ENSMUSG00000030276.19	235.1355832	1.60757281	4.37E-15	9.18E-14	Ttll3
ENSMUSG00000069763.3	394.6469272	-1.219718033	4.38E-15	9.19E-14	Tmem100
ENSMUSG00000044791.16	5967.880306	0.395958518	4.38E-15	9.19E-14	Setd2
ENSMUSG00000045636.16	621.272559	-0.99557052	4.51E-15	9.45E-14	Mtus1
ENSMUSG00000089726.2	1275.704768	-0.704021304	4.55E-15	9.52E-14	Mir17hg
ENSMUSG00000015189.12	1826.490517	-0.616840242	4.56E-15	9.54E-14	Casd1
ENSMUSG00000028868.13	6673.196483	0.383912459	4.64E-15	9.69E-14	Wasf2
ENSMUSG00000036202.16	11114.45273	-0.98278974	4.73E-15	9.87E-14	Rif1
ENSMUSG00000015224.10	514.5943925	-1.127065919	4.85E-15	1.01E-13	Cyp2j9
ENSMUSG00000062081.6	1756.787886	0.610642108	5.06E-15	1.05E-13	RP23-460I18.1
ENSMUSG00000045180.13	9338.562131	-0.363563266	5.09E-15	1.06E-13	Shroom2
ENSMUSG00000013701.13	7680.776334	0.363989254	5.27E-15	1.10E-13	Timm23
ENSMUSG00000002107.18	1004.868578	-0.782785035	5.50E-15	1.14E-13	Celf2
ENSMUSG00000003452.15	1987.288668	-0.618540688	5.73E-15	1.19E-13	Bicd1
ENSMUSG00000029576.17	1846.509441	-0.596867661	5.81E-15	1.20E-13	Radil

ENSMUSG0000006301.17	1556.736538	-0.642141551	5.82E-15	1.21E-13	Tmbim1
ENSMUSG00000046152.16	881.4755531	-0.852015886	5.85E-15	1.21E-13	Fut10
ENSMUSG00000025905.13	700.9292895	-0.982732766	5.93E-15	1.23E-13	Oprk1
ENSMUSG00000070348.5	991.0163872	-0.854732081	6.20E-15	1.28E-13	Ccnd1
ENSMUSG00000028932.7	7482.052058	0.396629687	6.74E-15	1.39E-13	Psmc2
ENSMUSG00000024835.14	3677.336986	0.491581431	7.02E-15	1.45E-13	Coro1b
ENSMUSG00000051390.9	1304.21159	-0.706630468	7.05E-15	1.45E-13	Zbtb22
ENSMUSG00000072672.10	621.5710403	-0.975693164	7.13E-15	1.47E-13	Duxbl3
ENSMUSG00000041241.12	1976.883847	0.596244903	7.76E-15	1.60E-13	Mul1
ENSMUSG00000016763.15	353.4753012	1.305743999	8.11E-15	1.66E-13	Scube1
ENSMUSG00000025351.14	5614.556926	0.500536943	8.23E-15	1.69E-13	Cd63
ENSMUSG00000024991.7	35425.27456	-0.291336442	8.39E-15	1.72E-13	Eif3a
ENSMUSG00000029103.16	9163.98524	0.389872462	8.60E-15	1.76E-13	Lrpap1
ENSMUSG00000028528.16	500.8519582	-1.066280767	8.82E-15	1.80E-13	Dnajc6
ENSMUSG00000040761.16	9172.355929	0.361793232	9.18E-15	1.88E-13	Spn
ENSMUSG00000015094.16	1104.869837	-0.733037147	9.35E-15	1.91E-13	Npdc1
ENSMUSG00000035873.8	2276.009341	-0.562488041	9.38E-15	1.91E-13	Pawr
ENSMUSG00000020457.13	8139.446333	0.359400039	9.56E-15	1.95E-13	Drg1
ENSMUSG00000079108.6	5034.851564	0.45825822	9.64E-15	1.96E-13	Srp54c
ENSMUSG00000028525.16	487.2303374	-1.113360811	9.72E-15	1.98E-13	Pde4b
ENSMUSG00000090213.1	3340.356745	0.505189331	9.82E-15	1.99E-13	Tmem189
ENSMUSG00000026171.12	1255.109654	0.693218682	1.01E-14	2.04E-13	Rnf25
ENSMUSG00000025980.14	34171.49446	0.285241763	1.05E-14	2.13E-13	Hspd1
ENSMUSG00000006445.3	4484.63573	-0.421632489	1.06E-14	2.16E-13	Epha2
ENSMUSG00000000753.15	333.40624	-1.307571859	1.07E-14	2.16E-13	Serpinf1
ENSMUSG00000039478.15	891.8923543	-0.82822753	1.07E-14	2.16E-13	Micu3
ENSMUSG00000041992.9	1380.204473	-0.682036108	1.08E-14	2.17E-13	Rapgef5
ENSMUSG00000028980.14	2200.744587	0.5512532	1.08E-14	2.18E-13	H6pd
ENSMUSG00000026926.14	7723.350751	0.364531476	1.10E-14	2.22E-13	Pmpca
ENSMUSG00000045672.15	665.4733865	-0.936321906	1.12E-14	2.26E-13	Col27a1
ENSMUSG00000005882.18	1700.568323	0.611452819	1.13E-14	2.28E-13	Uqcc1
ENSMUSG000000044285.8	77056.40152	0.269867687	1.14E-14	2.29E-13	RP24-68H1.1
ENSMUSG00000036333.11	3842.286455	-0.441398137	1.15E-14	2.30E-13	Kidins220
ENSMUSG00000030934.9	3589.493417	0.46161321	1.15E-14	2.31E-13	Oat
ENSMUSG00000027111.15	30918.25844	-0.292657953	1.18E-14	2.37E-13	Itga6
ENSMUSG00000043629.12	3105.800204	-0.500490403	1.20E-14	2.40E-13	AC129337.1
ENSMUSG00000040158.12	835.5131718	0.861337931	1.21E-14	2.42E-13	Tax1bp3
ENSMUSG00000028403.15	3715.874715	-0.462874744	1.24E-14	2.47E-13	Zdhhc21
ENSMUSG00000025001.11	10030.60652	-0.38254688	1.31E-14	2.61E-13	Hells
ENSMUSG00000040033.16	2514.649743	0.519686639	1.39E-14	2.77E-13	Stat2
ENSMUSG00000034282.3	65.37687974	3.671820959	1.42E-14	2.83E-13	Evpl
ENSMUSG00000031838.8	1726.044759	0.707224233	1.44E-14	2.87E-13	Ifi30
ENSMUSG00000028343.10	3454.035224	0.519879815	1.46E-14	2.90E-13	Erp44
ENSMUSG00000052430.15	454.0808971	-1.154215605	1.46E-14	2.91E-13	Bmpr1b
ENSMUSG00000025724.12	4526.606691	0.473497967	1.49E-14	2.95E-13	Sec11a
ENSMUSG00000027298.17	3835.257358	-0.442056421	1.49E-14	2.95E-13	Tyro3
ENSMUSG00000000567.5	626.5329595	0.95859981	1.49E-14	2.95E-13	Sox9
ENSMUSG00000024493.8	14681.84565	-0.328593108	1.50E-14	2.98E-13	Lars
ENSMUSG00000029119.9	1220.426012	-0.745778013	1.50E-14	2.98E-13	Man2b2
ENSMUSG00000036620.14	1578.597817	-0.631339838	1.54E-14	3.05E-13	Mgat4b
ENSMUSG00000028572.13	6623.871447	-0.399594313	1.58E-14	3.12E-13	Hook1
ENSMUSG00000036550.16	21441.96784	-0.350831046	1.58E-14	3.13E-13	Cnot1
ENSMUSG00000022285.17	24069.0453	0.294978416	1.60E-14	3.15E-13	Ywhaz
ENSMUSG00000022208.12	2056.310552	-0.554081373	1.67E-14	3.29E-13	Jph4
ENSMUSG000000067851.11	4112.316578	-0.437777323	1.69E-14	3.33E-13	Arfgef1
ENSMUSG00000037486.18	3267.195994	-0.526475265	1.70E-14	3.35E-13	Asxl2
ENSMUSG00000031422.16	24863.90729	0.296228822	1.74E-14	3.43E-13	Morf4I2
ENSMUSG00000071192.5	93.29702895	3.221741055	1.77E-14	3.48E-13	Wfikkn1
ENSMUSG00000055538.7	507.7951677	-1.07604372	1.80E-14	3.53E-13	Zcchc24
ENSMUSG00000067608.4	8049.510232	0.362314903	1.81E-14	3.56E-13	Pcna-ps2
ENSMUSG00000072675.12	604.6122971	-0.979887331	1.93E-14	3.77E-13	Duxbl2
ENSMUSG00000005823.8	1470.931499	0.679845092	2.03E-14	3.98E-13	Gpr108
ENSMUSG000000005625.15	7018.985793	0.364576232	2.04E-14	3.99E-13	Psm4
ENSMUSG00000035067.9	1386.323602	0.718545811	2.07E-14	4.05E-13	Xkr6
ENSMUSG00000028953.10	6438.177651	0.372205252	2.10E-14	4.09E-13	Abcf2
ENSMUSG00000039768.16	7000.54125	0.370466473	2.14E-14	4.16E-13	Dnajc11
ENSMUSG00000055373.8	1295.032347	-0.795821189	2.14E-14	4.17E-13	Fut9
ENSMUSG00000031548.7	4941.111216	-0.403160656	2.18E-14	4.25E-13	Sfrp1
ENSMUSG00000045287.6	1025.85187	-0.769540452	2.26E-14	4.40E-13	Rtn4r1
ENSMUSG00000023026.16	3796.043078	0.499886712	2.33E-14	4.53E-13	Dip2b

ENSMUSG00000081593.1	1851.964001	0.581355927	2.35E-14	4.57E-13	RP24-215D6.2
ENSMUSG00000069622.4	6728.051169	0.36593227	2.37E-14	4.60E-13	Gm10273
ENSMUSG00000022658.10	71.19231023	3.291333729	2.51E-14	4.87E-13	Tagln3
ENSMUSG00000066441.14	10831.67937	0.332275896	2.52E-14	4.89E-13	Rdh11
ENSMUSG00000009418.15	1954.866512	-0.580292756	2.56E-14	4.95E-13	Nav1
ENSMUSG00000025825.12	1956.064073	0.572140929	2.57E-14	4.96E-13	Iscu
ENSMUSG00000093880.3	1697.285475	0.610333143	2.61E-14	5.05E-13	Tmem181c-ps
ENSMUSG00000021608.15	7512.601489	0.364284245	2.62E-14	5.06E-13	Lpcat1
ENSMUSG00000002957.11	5413.465871	-0.446552281	2.65E-14	5.10E-13	Ap2a2
ENSMUSG00000035270.15	60.20948192	4.048048263	2.65E-14	5.10E-13	Impg2
ENSMUSG00000034216.12	1426.310191	0.655534814	2.73E-14	5.26E-13	Vps18
ENSMUSG00000034687.8	2528.515349	-0.521046154	2.83E-14	5.43E-13	Fras1
ENSMUSG00000042807.15	2135.813981	-0.546024662	2.98E-14	5.73E-13	Hecw2
ENSMUSG00000026773.19	1482.642257	-0.713967563	3.06E-14	5.86E-13	Pfkfb3
ENSMUSG00000027570.15	395.2915469	1.24521038	3.05E-14	5.86E-13	Col9a3
ENSMUSG00000009681.10	1917.734311	-0.571772923	3.07E-14	5.89E-13	Bcr
ENSMUSG00000044150.12	2052.885181	0.571967879	3.13E-14	5.99E-13	RP23-3917.3
ENSMUSG00000025137.15	7624.761119	0.379159428	3.18E-14	6.08E-13	Pcvt2
ENSMUSG00000080832.4	1216.859624	0.690820606	3.19E-14	6.10E-13	M6pr-ps
ENSMUSG00000027220.2	925.094165	-0.781883875	3.21E-14	6.13E-13	Syt13
ENSMUSG00000015575.14	3269.221101	0.485548464	3.23E-14	6.17E-13	Atp6v0e
ENSMUSG00000040945.13	38314.23469	-0.28260322	3.37E-14	6.43E-13	Rcc2
ENSMUSG00000015149.14	1427.394468	0.651576749	3.41E-14	6.48E-13	Sirt2
ENSMUSG00000058230.12	6789.753608	0.36221724	3.41E-14	6.48E-13	Arhgap35
ENSMUSG00000002984.17	8183.122448	0.360124082	3.56E-14	6.77E-13	Tommm40
ENSMUSG00000019795.17	5128.382647	0.426968576	3.69E-14	7.01E-13	Pcmt1
ENSMUSG00000096629.7	1038.019617	-0.734778474	3.75E-14	7.11E-13	RP23-97D14.7
ENSMUSG00000078640.9	493.7436785	-1.048364588	3.88E-14	7.35E-13	RP23-57F11.1
ENSMUSG00000057506.4	1535.220415	0.635003695	4.11E-14	7.78E-13	Bloc1s2
ENSMUSG00000016534.15	3414.080626	0.505190882	4.21E-14	7.96E-13	Lamp2
ENSMUSG00000066324.2	12367.87882	-0.331529771	4.26E-14	8.05E-13	Impad1
ENSMUSG00000019982.15	1180.563442	-0.754279813	4.34E-14	8.20E-13	Myb
ENSMUSG00000028221.3	3047.929325	-0.473815764	4.34E-14	8.20E-13	Tmem55a
ENSMUSG00000031077.7	391.8465437	1.189536549	4.39E-14	8.28E-13	Fadd
ENSMUSG00000028709.3	101.7715455	2.560652897	4.48E-14	8.44E-13	Mob3c
ENSMUSG00000027342.14	15170.25387	0.309220572	4.51E-14	8.48E-13	Pcna
ENSMUSG00000057367.12	3153.306662	-0.464073464	5.02E-14	9.44E-13	Birc2
ENSMUSG00000021248.9	10331.59747	0.334418224	5.07E-14	9.53E-13	Tmed10
ENSMUSG00000032178.14	11659.95771	-0.333719778	5.15E-14	9.66E-13	Ilf3
ENSMUSG00000020475.3	68.14540211	3.353494637	5.18E-14	9.71E-13	Pgam2
ENSMUSG00000044337.5	1814.99793	-0.617631142	5.26E-14	9.85E-13	Ackr3
ENSMUSG00000018417.14	2392.407838	-0.520717319	5.35E-14	1.00E-12	Myo1b
ENSMUSG00000038009.7	1113.490424	-0.707632945	5.48E-14	1.02E-12	Dnajc22
ENSMUSG00000058396.7	122.7104799	2.219648483	5.58E-14	1.04E-12	Gpr182
ENSMUSG00000023845.7	4132.567542	-0.474185014	5.69E-14	1.06E-12	Lnpep
ENSMUSG00000028869.13	5034.563497	0.407583387	5.73E-14	1.07E-12	Gnl2
ENSMUSG00000006930.15	2383.262879	-0.517411451	5.79E-14	1.08E-12	Hap1
ENSMUSG00000028780.13	1036.974963	-0.763361725	5.81E-14	1.08E-12	Sema3c
ENSMUSG00000099354.6	81.0882379	3.010945168	5.88E-14	1.09E-12	RP23-252I12.5
ENSMUSG00000021733.10	9051.558669	-0.360542061	5.95E-14	1.11E-12	Slc4a7
ENSMUSG00000097119.1	1756.010228	-0.584163264	5.94E-14	1.11E-12	B230354K17Rik
ENSMUSG00000023723.17	3479.292032	0.45386501	5.99E-14	1.11E-12	Mrps23
ENSMUSG00000026083.12	10396.80002	0.331527986	6.12E-14	1.14E-12	Eif5b
ENSMUSG00000032936.13	2811.700194	-0.480485509	6.14E-14	1.14E-12	Camkv
ENSMUSG00000017119.19	10285.89498	0.339538295	6.33E-14	1.17E-12	Nbr1
ENSMUSG00000112449.1	5224.754123	0.453233709	6.35E-14	1.17E-12	Srp54b
ENSMUSG00000033793.12	1855.346057	0.565453943	6.38E-14	1.18E-12	Atp6v1h
ENSMUSG00000021681.8	2650.899456	0.491924057	6.50E-14	1.20E-12	Aggf1
ENSMUSG00000031708.16	13426.93578	-0.347314316	6.57E-14	1.21E-12	Tecr
ENSMUSG00000036099.16	1767.425614	-0.579732249	6.63E-14	1.22E-12	Vezt
ENSMUSG00000031028.14	1369.307922	-0.643097886	6.74E-14	1.24E-12	Tub
ENSMUSG0000003363.15	2274.473628	0.56608782	6.87E-14	1.26E-12	Pld3
ENSMUSG00000018565.17	4022.854528	0.431750749	6.93E-14	1.27E-12	Elp5
ENSMUSG00000020910.16	1662.758902	0.591353314	6.93E-14	1.27E-12	Adprm
ENSMUSG00000034037.14	1746.474982	-0.60444387	7.18E-14	1.32E-12	Fgd5
ENSMUSG00000031349.4	5175.68011	0.387936207	7.28E-14	1.34E-12	Nsdhl
ENSMUSG00000003345.16	10051.49945	0.323452933	7.34E-14	1.35E-12	Csnk1g2
ENSMUSG00000051351.14	790.0134562	0.908513769	7.67E-14	1.40E-12	Zfp46
ENSMUSG00000021175.15	1601.078487	-0.619432486	7.74E-14	1.42E-12	Cdca7l
ENSMUSG00000027514.14	56.4195519	4.686087563	8.15E-14	1.49E-12	Zbp1

ENSMUSG00000033565.18	4024.985164	-0.441125798	8.32E-14	1.52E-12	Rbfox2
ENSMUSG00000042705.8	1772.029607	0.57954063	8.64E-14	1.58E-12	Commd10
ENSMUSG00000063015.12	7235.558823	-0.354534483	8.64E-14	1.58E-12	Ccni
ENSMUSG00000069899.3	1609.237685	0.635281941	8.66E-14	1.58E-12	RP23-29H5.3
ENSMUSG00000001248.15	3387.023997	-0.503506783	8.75E-14	1.59E-12	Gramd1a
ENSMUSG00000002413.15	3691.966821	-0.519011882	8.75E-14	1.59E-12	Braf
ENSMUSG00000029642.11	4715.314712	0.402061698	9.05E-14	1.64E-12	Polr1d
ENSMUSG00000040462.13	2243.206495	0.565819514	9.38E-14	1.70E-12	Os9
ENSMUSG00000042246.5	1690.016792	-0.61697241	9.43E-14	1.71E-12	Tmc7
ENSMUSG00000036067.12	309.2926255	-1.307517792	9.50E-14	1.72E-12	Slc2a6
ENSMUSG00000034275.18	4835.980815	-0.409916702	9.53E-14	1.73E-12	Igsf9b
ENSMUSG00000058056.16	4332.202805	-0.410260289	9.58E-14	1.73E-12	Palld
ENSMUSG00000028243.5	1083.824261	-0.722529715	9.68E-14	1.75E-12	Ubxn2b
ENSMUSG00000030720.16	1252.295095	0.664684153	1.09E-13	1.98E-12	Cln3
ENSMUSG00000001674.11	7371.842205	0.353453874	1.10E-13	1.98E-12	Ddx18
ENSMUSG00000016477.18	3001.969001	-0.495659331	1.10E-13	1.99E-12	E2f3
ENSMUSG000000022536.14	7519.091803	0.34629914	1.13E-13	2.04E-12	Glyr1
ENSMUSG000000087177.7	363.3537417	1.295524307	1.13E-13	2.04E-12	RP24-271F24.2
ENSMUSG00000036644.15	1784.751709	-0.578251706	1.15E-13	2.07E-12	Tbc1d9b
ENSMUSG00000035953.14	5022.555131	0.41118825	1.17E-13	2.11E-12	Tmem55b
ENSMUSG00000045667.14	1871.551814	-0.574281655	1.17E-13	2.11E-12	Smtnl2
ENSMUSG00000071074.9	3252.135307	0.453027834	1.18E-13	2.12E-12	Yipf3
ENSMUSG00000042804.13	769.7049124	-0.843835065	1.19E-13	2.13E-12	Gpr153
ENSMUSG000000038932.13	2022.144207	-0.565285552	1.19E-13	2.13E-12	Tcf5
ENSMUSG000000025858.12	6843.078559	0.356281075	1.20E-13	2.15E-12	Get4
ENSMUSG00000064267.13	957.1976861	0.750721304	1.22E-13	2.19E-12	Hvcn1
ENSMUSG00000034205.16	3253.990943	-0.45368224	1.25E-13	2.23E-12	Loxl2
ENSMUSG00000086743.2	1226.361678	-0.669397921	1.25E-13	2.23E-12	Hnrnpa112-ps
ENSMUSG000000020549.14	5904.738929	0.372544805	1.28E-13	2.28E-12	Elac2
ENSMUSG000000050812.18	5622.614406	-0.404712973	1.29E-13	2.31E-12	RP23-211P15.1
ENSMUSG000000031508.14	6657.762658	-0.363846597	1.32E-13	2.36E-12	Ankrd10
ENSMUSG000000027079.15	1282.790609	0.665733394	1.33E-13	2.36E-12	Clp1
ENSMUSG000000026880.11	1959.218695	0.607543356	1.34E-13	2.37E-12	Stom
ENSMUSG00000036057.11	5894.202575	0.376447865	1.34E-13	2.37E-12	Ptpn23
ENSMUSG00000056763.16	1663.350952	-0.650407271	1.36E-13	2.42E-12	Cspp1
ENSMUSG00000020092.9	6293.690532	-0.373573314	1.36E-13	2.42E-12	Pald1
ENSMUSG00000025085.16	734.549536	-0.899060676	1.39E-13	2.46E-12	Ablim1
ENSMUSG00000029029.14	782.7315718	0.825704441	1.41E-13	2.49E-12	Wrap73
ENSMUSG000000030105.8	5982.728173	0.401445532	1.41E-13	2.49E-12	Arl8b
ENSMUSG000000028540.6	723.5181386	0.851840671	1.42E-13	2.52E-12	Dph2
ENSMUSG00000002871.14	1114.212597	-0.713094234	1.45E-13	2.57E-12	Tpra1
ENSMUSG00000041438.8	5878.491496	0.385821816	1.46E-13	2.58E-12	Utp4
ENSMUSG00000064339.1	13196.90065	0.330134012	1.57E-13	2.78E-12	mt-Rnr2
ENSMUSG00000033365.14	2930.776284	0.475368013	1.59E-13	2.79E-12	Ipo13
ENSMUSG00000005774.12	531.3209268	-0.995489737	1.60E-13	2.82E-12	Rfx5
ENSMUSG00000072694.7	1028.650889	0.755175686	1.61E-13	2.84E-12	RP23-3M10.10
ENSMUSG000000050966.9	33725.53987	-0.265731038	1.62E-13	2.85E-12	Lin28a
ENSMUSG000000027860.15	1607.741465	-0.644653845	1.65E-13	2.91E-12	Vangl1
ENSMUSG00000018567.14	3798.9723	0.457483282	1.66E-13	2.92E-12	Gabarap
ENSMUSG00000028656.14	9067.028351	0.327481422	1.72E-13	3.03E-12	Cap1
ENSMUSG00000060639.5	168.2848105	1.790620251	1.74E-13	3.04E-12	Hist1h4i
ENSMUSG00000016018.4	4995.166567	-0.402738565	1.76E-13	3.09E-12	Skiv212
ENSMUSG000000026193.15	14227.21163	-0.35025009	1.80E-13	3.15E-12	Fn1
ENSMUSG00000056258.9	1206.198177	-0.688312936	1.81E-13	3.16E-12	Kcnq3
ENSMUSG00000040407.17	3815.192812	-0.460195388	1.84E-13	3.22E-12	Akap9
ENSMUSG00000029364.15	1556.235537	0.608956973	1.86E-13	3.25E-12	Wsb2
ENSMUSG00000032666.16	1097.143733	-0.745335918	1.86E-13	3.25E-12	AC166332.1
ENSMUSG00000042997.13	2161.363544	0.557636912	1.89E-13	3.29E-12	Nhlrc3
ENSMUSG00000037902.18	1380.099359	-0.637451003	1.91E-13	3.33E-12	Sirpa
ENSMUSG000000028999.15	1146.124951	0.696698675	2.12E-13	3.69E-12	Rint1
ENSMUSG00000001785.13	3375.279337	0.440992213	2.15E-13	3.74E-12	Pwp1
ENSMUSG00000030835.6	13146.52146	0.301879917	2.16E-13	3.75E-12	Nomo1
ENSMUSG000000024258.3	2900.718583	0.470732567	2.23E-13	3.87E-12	Polr2d
ENSMUSG00000073627.7	199.8729731	1.658064151	2.25E-13	3.90E-12	AC102609.2
ENSMUSG00000018433.14	5607.068055	0.379067376	2.27E-13	3.93E-12	Nol11
ENSMUSG00000092029.1	4464.001318	-0.423508333	2.30E-13	3.98E-12	RP24-354E11.1
ENSMUSG00000025007.13	7848.448566	-0.351522408	2.31E-13	4.00E-12	Aldh18a1
ENSMUSG00000031156.18	1388.796263	-0.636665149	2.35E-13	4.06E-12	Slc35a2
ENSMUSG00000027272.5	2249.55417	-0.581528074	2.37E-13	4.10E-12	Ubr1
ENSMUSG00000030313.15	1970.181123	-0.565113345	2.37E-13	4.10E-12	Dennd5b

ENSMUSG00000021178.9	11730.28281	0.315478788	2.38E-13	4.10E-12	Psmc1
ENSMUSG00000061589.14	6252.001762	-0.362227066	2.52E-13	4.34E-12	Dot11
ENSMUSG00000061983.7	41540.34425	0.328497921	2.53E-13	4.35E-12	Rps12
ENSMUSG00000024781.15	3010.88343	0.482959931	2.54E-13	4.36E-12	Lipa
ENSMUSG00000027134.4	1651.434286	-0.581525709	2.58E-13	4.43E-12	Lpcat4
ENSMUSG00000040363.15	4231.77365	-0.412051747	2.59E-13	4.46E-12	Bcor
ENSMUSG00000030816.8	3895.195634	0.420605222	2.60E-13	4.46E-12	Rnf40
ENSMUSG00000028676.17	12173.3894	-0.328591201	2.60E-13	4.46E-12	Srsf10
ENSMUSG00000053460.8	813.7260245	0.796788109	2.65E-13	4.53E-12	Ggcx
ENSMUSG00000030979.13	473.4023257	1.03949556	2.68E-13	4.58E-12	Uros
ENSMUSG00000053846.4	1657.782455	-0.59818247	2.69E-13	4.60E-12	Lipg
ENSMUSG00000030283.7	204.2584013	-1.604775388	2.80E-13	4.78E-12	St8sia1
ENSMUSG00000039904.9	708.025027	-0.893288043	2.81E-13	4.79E-12	Gpr37
ENSMUSG00000031604.10	13787.75785	0.318976097	2.82E-13	4.82E-12	Msmo1
ENSMUSG00000025658.16	722.4386895	-0.838500053	2.84E-13	4.84E-12	Cnksr2
ENSMUSG00000008450.8	9758.140948	0.341490561	2.88E-13	4.91E-12	Nutf2
ENSMUSG00000039294.14	1617.954482	0.59734052	2.95E-13	5.03E-12	RP23-349B15.4
ENSMUSG00000029036.18	6420.127562	0.353990621	2.99E-13	5.09E-12	Atad3a
ENSMUSG00000023571.4	734.1679543	0.839222214	3.05E-13	5.19E-12	Fam132a
ENSMUSG00000029821.15	1148.081659	-0.744340216	3.09E-13	5.25E-12	Dfna5
ENSMUSG00000027164.8	2068.707229	0.553450906	3.13E-13	5.32E-12	Traf6
ENSMUSG00000038658.15	2020.724645	-0.533990987	3.22E-13	5.47E-12	Ric1
ENSMUSG00000022711.16	848.92453	0.811478164	3.28E-13	5.56E-12	Pmm2
ENSMUSG00000033192.5	396.4903548	1.127902294	3.33E-13	5.63E-12	Lpcat2
ENSMUSG00000037995.15	2993.855715	-0.468347423	3.43E-13	5.80E-12	Igsl9
ENSMUSG00000056305.4	4156.891517	0.412448595	3.43E-13	5.80E-12	Usp39
ENSMUSG00000032265.14	3419.937235	-0.432749498	3.49E-13	5.90E-12	Fam46a
ENSMUSG00000058833.11	2129.171943	0.546823168	3.51E-13	5.93E-12	AC157774.6
ENSMUSG00000040649.15	3174.13074	-0.469988722	3.65E-13	6.16E-12	Rimklb
ENSMUSG00000031558.15	674.4406461	-0.877123829	3.67E-13	6.20E-12	Sliit2
ENSMUSG00000048502.14	565.2646582	-0.964839696	3.72E-13	6.27E-12	Duxbl1
ENSMUSG00000002455.14	5472.757006	0.373113702	3.73E-13	6.29E-12	Prpf6
ENSMUSG00000028822.11	6632.773693	0.375896595	3.84E-13	6.45E-12	Tmem50a
ENSMUSG00000038181.16	1040.684483	0.712988009	3.85E-13	6.48E-12	Chpf2
ENSMUSG00000068699.12	2495.502338	-0.489863279	3.88E-13	6.51E-12	Finc
ENSMUSG00000061062.4	6995.133372	0.344864873	3.92E-13	6.57E-12	Gm10093
ENSMUSG00000016554.9	7623.271979	0.341263653	3.92E-13	6.58E-12	Eif3d
ENSMUSG00000017652.16	597.2761729	0.953669491	3.98E-13	6.66E-12	Cd40
ENSMUSG00000020359.13	1937.184759	0.549218652	4.01E-13	6.71E-12	Phykpl
ENSMUSG00000038633.5	11825.75479	0.304952597	4.03E-13	6.74E-12	Degs1
ENSMUSG00000024378.9	3811.790885	-0.420353903	4.09E-13	6.84E-12	Stard4
ENSMUSG00000025135.12	5157.311751	0.379288014	4.24E-13	7.09E-12	Anapc11
ENSMUSG00000024101.14	2009.421901	0.535045968	4.35E-13	7.26E-12	Washc1
ENSMUSG00000044433.16	2979.954822	-0.468322674	4.38E-13	7.31E-12	Camsap3
ENSMUSG00000020097.14	7627.968922	0.334710537	4.40E-13	7.33E-12	Sgpl1
ENSMUSG00000064368.1	11827.41886	0.34561554	4.44E-13	7.40E-12	mt-Nd6
ENSMUSG00000022684.15	2145.010729	0.535103583	4.54E-13	7.55E-12	Bfar
ENSMUSG00000028532.14	6999.780646	-0.346302429	4.54E-13	7.55E-12	Cachd1
ENSMUSG00000020116.7	3995.61292	0.414321762	4.55E-13	7.57E-12	Pno1
ENSMUSG00000086370.8	866.9186031	-0.861054243	4.59E-13	7.62E-12	Ftx
ENSMUSG00000094825.8	983.886265	-0.717204637	4.82E-13	8.00E-12	RP23-274E2.1
ENSMUSG00000028277.13	805.8442179	-0.821292386	4.84E-13	8.03E-12	Ube2j1
ENSMUSG00000036292.14	261.7377885	1.403004742	4.87E-13	8.07E-12	Gramd1c
ENSMUSG00000046873.18	5371.461161	-0.386586859	4.97E-13	8.23E-12	Mbtps2
ENSMUSG00000060808.4	59.75912396	3.723184209	5.01E-13	8.28E-12	B9d1os
ENSMUSG00000066278.6	919.6164365	0.756663373	5.13E-13	8.49E-12	Vps37b
ENSMUSG0000003382.18	1488.059923	0.600456575	5.14E-13	8.49E-12	Etv3
ENSMUSG00000048832.8	922.0902356	0.773765493	5.25E-13	8.67E-12	Vps37c
ENSMUSG00000061524.8	1602.925387	-0.592522038	5.29E-13	8.73E-12	Zic2
ENSMUSG00000018921.11	10062.57774	0.315129653	5.35E-13	8.82E-12	Pelp1
ENSMUSG00000022550.18	886.6399493	0.787771112	5.47E-13	9.00E-12	Adck5
ENSMUSG00000022180.7	758.8695015	-0.809363686	5.65E-13	9.30E-12	Slc7a8
ENSMUSG00000078815.8	430.1019222	-1.082806377	5.74E-13	9.44E-12	Cacng6
ENSMUSG00000072653.13	53.53596205	5.03747815	5.75E-13	9.44E-12	Zfp783
ENSMUSG00000031373.4	206.6745472	1.665766624	5.77E-13	9.46E-12	Car5b
ENSMUSG00000032228.16	2955.709352	-0.482063927	5.77E-13	9.46E-12	Tcf12
ENSMUSG00000023495.13	9302.329388	-0.352530845	5.81E-13	9.53E-12	Pcbp4
ENSMUSG00000031556.6	1973.18111	0.547877654	5.90E-13	9.66E-12	Tm2d2
ENSMUSG00000026430.16	2080.627769	-0.527578465	6.05E-13	9.90E-12	Rassf5
ENSMUSG00000025869.11	3443.595219	0.427667975	6.10E-13	9.98E-12	Nop16

ENSMUSG00000079478.8	1315.015067	0.639888091	6.20E-13	1.01E-11	Sssca1
ENSMUSG00000006724.12	84.99016439	2.619696312	6.24E-13	1.02E-11	Cyp27b1
ENSMUSG00000026657.16	723.9812954	-0.825650796	6.33E-13	1.03E-11	Frm4a
ENSMUSG00000035086.13	3465.061854	0.47093191	6.33E-13	1.03E-11	Becn1
ENSMUSG00000036273.15	562.5945651	-0.93166255	6.54E-13	1.06E-11	Lrrk2
ENSMUSG00000006931.15	631.6192842	-0.876370539	6.58E-13	1.07E-11	P3h4
ENSMUSG00000038301.15	1848.215981	-0.548863495	6.65E-13	1.08E-11	Snx10
ENSMUSG00000021838.17	2005.436922	-0.534455406	6.92E-13	1.13E-11	Samd4
ENSMUSG00000030264.14	3120.548034	0.456399805	7.04E-13	1.14E-11	Thumpd3
ENSMUSG000000084911.1	475.3171384	-1.03367924	7.11E-13	1.15E-11	RP23-401G21.3
ENSMUSG00000025986.6	11023.33525	-0.335607704	7.35E-13	1.19E-11	Slc39a10
ENSMUSG00000073079.6	5006.158443	0.438630299	7.54E-13	1.22E-11	Srp54a
ENSMUSG00000064325.4	826.1994622	-0.826580361	7.70E-13	1.25E-11	Hhip
ENSMUSG00000025257.5	929.6148344	0.774628403	7.87E-13	1.27E-11	Ribc1
ENSMUSG00000032012.8	2865.800076	-0.462098385	7.88E-13	1.27E-11	Nectin1
ENSMUSG00000090071.4	1084.454413	-0.695633232	7.89E-13	1.28E-11	Cdk5r2
ENSMUSG00000028035.13	460.1935274	1.033967158	8.01E-13	1.29E-11	Edajb4
ENSMUSG00000043019.12	4072.644028	0.440845555	8.12E-13	1.31E-11	Edem3
ENSMUSG00000001891.16	1137.327077	0.676715864	8.33E-13	1.34E-11	Ugp2
ENSMUSG00000020311.17	2144.582512	0.555348393	8.61E-13	1.39E-11	Erlec1
ENSMUSG00000038718.15	2287.112024	0.500745337	8.75E-13	1.41E-11	Pbx3
ENSMUSG00000053819.16	1097.489214	-0.678886631	8.75E-13	1.41E-11	Camk2d
ENSMUSG00000040711.7	1212.001165	-0.686602147	8.79E-13	1.41E-11	Sh3pxd2b
ENSMUSG00000024150.11	2879.481949	0.461812173	8.85E-13	1.42E-11	Mcf2d
ENSMUSG00000033862.7	932.7806232	-0.726252925	8.88E-13	1.43E-11	Cdk10
ENSMUSG00000039275.9	6484.10426	-0.357486219	8.99E-13	1.44E-11	Foxk2
ENSMUSG00000038860.15	837.5279265	0.777495636	9.14E-13	1.46E-11	Garnl3
ENSMUSG00000031497.9	66.36272985	3.445367812	9.29E-13	1.49E-11	Tnfsf13b
ENSMUSG00000019877.10	7472.110822	0.332470508	9.43E-13	1.51E-11	Serinc1
ENSMUSG000000107962.1	963.5309772	-0.737394503	9.47E-13	1.51E-11	RP23-83P5.5
ENSMUSG00000036792.12	833.5209433	0.771152424	9.58E-13	1.53E-11	Mbd5
ENSMUSG00000021957.7	19515.41289	-0.285392583	9.68E-13	1.55E-11	Tkt
ENSMUSG00000020744.13	1453.556749	0.600546988	9.80E-13	1.56E-11	Slc25a19
ENSMUSG00000035357.16	3206.954914	-0.492921033	9.83E-13	1.57E-11	Pdzrn3
ENSMUSG000000107283.3	1216.284077	0.663682385	9.90E-13	1.58E-11	Mpv17
ENSMUSG00000038150.7	3715.591936	0.421595994	1.02E-12	1.62E-11	Ormdl3
ENSMUSG00000025871.18	4743.113954	0.379916714	1.03E-12	1.63E-11	RP23-452K4.2
ENSMUSG00000033931.9	2082.486915	0.524466886	1.05E-12	1.66E-11	Rbm34
ENSMUSG00000034586.14	578.8608918	0.932570244	1.06E-12	1.69E-11	Hid1
ENSMUSG00000032621.8	4021.04189	-0.406647589	1.07E-12	1.70E-11	Srek1
ENSMUSG00000039016.5	1974.478232	0.536374333	1.08E-12	1.71E-11	Timm8b
ENSMUSG00000030199.16	2030.127585	-0.5414086	1.08E-12	1.72E-11	Etv6
ENSMUSG00000060510.14	4616.961934	-0.417463911	1.09E-12	1.72E-11	Zfp266
ENSMUSG00000029613.15	2227.96752	0.524452453	1.10E-12	1.74E-11	Eif2ak1
ENSMUSG00000011997.1	77.15534476	2.835876371	1.11E-12	1.76E-11	RP23-231M6.4
ENSMUSG00000027457.15	741.1804628	-0.853695851	1.14E-12	1.79E-11	Snph
ENSMUSG00000031780.2	313.962931	-1.275560021	1.14E-12	1.79E-11	Ccl17
ENSMUSG000000062115.15	4007.98067	-0.445889344	1.14E-12	1.79E-11	Rai1
ENSMUSG00000028060.14	3749.78765	-0.418347195	1.14E-12	1.80E-11	2810403A07Rik
ENSMUSG00000038762.15	11111.67519	0.303402585	1.18E-12	1.86E-11	Abcf1
ENSMUSG00000032306.14	1736.336515	-0.566513886	1.19E-12	1.87E-11	Mpi
ENSMUSG00000024070.15	3684.545616	-0.420429129	1.20E-12	1.88E-11	Prkd3
ENSMUSG00000036398.13	1580.113751	0.637823662	1.20E-12	1.89E-11	Ppp1r11
ENSMUSG00000041415.10	7250.503016	-0.351989134	1.21E-12	1.91E-11	Dicer1
ENSMUSG00000021275.16	1188.891827	0.682729744	1.23E-12	1.93E-11	Tecpr2
ENSMUSG00000035504.16	1573.615892	0.590556685	1.24E-12	1.95E-11	Reep6
ENSMUSG00000033102.15	3366.503679	-0.444572122	1.33E-12	2.09E-11	Cdc14b
ENSMUSG00000029826.14	1819.647037	-0.55650961	1.41E-12	2.22E-11	Zc3hav1
ENSMUSG00000029714.11	5455.4135	-0.364595488	1.43E-12	2.24E-11	Gigyf1
ENSMUSG00000081788.2	5335.999181	0.370161064	1.49E-12	2.33E-11	AC149603.1
ENSMUSG00000052833.9	15361.55642	0.302279084	1.50E-12	2.34E-11	Sae1
ENSMUSG00000028821.8	2926.119107	0.46626907	1.50E-12	2.34E-11	Syf2
ENSMUSG00000001507.16	1589.113621	-0.588524175	1.59E-12	2.48E-11	Itga3
ENSMUSG00000005628.12	108.7076058	2.404325581	1.60E-12	2.49E-11	Tmod4
ENSMUSG00000022231.10	1493.413044	-0.591004508	1.65E-12	2.57E-11	Sema5a
ENSMUSG00000045817.8	3866.601044	-0.412377496	1.67E-12	2.61E-11	Zfp36l2
ENSMUSG00000037470.14	11737.24008	0.314380094	1.68E-12	2.62E-11	Uggt1
ENSMUSG00000024302.16	1093.688605	-0.666628197	1.71E-12	2.66E-11	Dtna
ENSMUSG00000035248.9	1971.550718	0.550398415	1.75E-12	2.73E-11	Zcchc6
ENSMUSG00000018541.10	1623.799042	0.564945313	1.77E-12	2.74E-11	Cwc25

ENSMUSG00000023017.10	764.5825547	-0.808823949	1.79E-12	2.79E-11	Asic1
ENSMUSG00000104164.1	390.3157407	-1.114527815	1.85E-12	2.87E-11	RP24-338G10.1
ENSMUSG00000038128.6	314.9018276	1.256933713	1.88E-12	2.91E-11	Camk4
ENSMUSG00000032965.11	751.1773649	-0.865614316	1.90E-12	2.94E-11	Ift57
ENSMUSG00000005672.12	2406.447387	-0.483050986	1.92E-12	2.98E-11	Kit
ENSMUSG00000029428.13	498.5036352	0.97428061	1.95E-12	3.02E-11	Stx2
ENSMUSG00000017288.15	2492.885568	0.472511954	1.97E-12	3.05E-11	Vps53
ENSMUSG00000026814.16	83.06416235	2.769205709	1.98E-12	3.05E-11	Eng
ENSMUSG00000032640.10	2069.645281	0.522595451	2.04E-12	3.15E-11	Chsy1
ENSMUSG00000020922.11	5594.401054	0.366402235	2.10E-12	3.24E-11	Lsm12
ENSMUSG00000034432.11	3849.323011	0.419211755	2.13E-12	3.28E-11	Cops8
ENSMUSG00000025626.16	2797.338905	-0.501856705	2.14E-12	3.30E-11	Phf6
ENSMUSG00000031303.8	3176.978222	-0.440475195	2.19E-12	3.38E-11	Map3k15
ENSMUSG00000047632.10	986.4893119	-0.732960037	2.21E-12	3.40E-11	Fgfbp3
ENSMUSG00000075486.10	648.428072	0.893618674	2.26E-12	3.48E-11	Commd6
ENSMUSG00000029198.3	4234.126832	0.390245878	2.31E-12	3.54E-11	Grpel1
ENSMUSG00000035754.8	5879.969401	0.359463366	2.31E-12	3.55E-11	Wdr18
ENSMUSG00000027799.12	2105.010421	-0.541468409	2.36E-12	3.62E-11	Nbea
ENSMUSG00000013367.5	1120.289795	-0.657393278	2.39E-12	3.66E-11	Iglon5
ENSMUSG00000018909.15	1917.245085	-0.529365501	2.40E-12	3.68E-11	Arrb1
ENSMUSG00000006463.13	535.8132353	-0.938011339	2.45E-12	3.75E-11	Zdhhc24
ENSMUSG00000029781.7	11358.59008	-0.306523333	2.45E-12	3.75E-11	Fkbp9
ENSMUSG00000020598.16	5127.500819	-0.370332598	2.51E-12	3.84E-11	Nrcam
ENSMUSG00000020108.4	8234.061918	-0.94277778	2.67E-12	4.08E-11	Ddit4
ENSMUSG00000021481.11	2028.893275	0.523730039	2.75E-12	4.19E-11	Zfp346
ENSMUSG00000054387.13	5746.50015	-0.412620554	2.81E-12	4.29E-11	Mdm4
ENSMUSG00000002763.16	2298.097285	0.490378742	2.82E-12	4.29E-11	Pex6
ENSMUSG00000047777.9	1519.931009	0.580486648	2.83E-12	4.31E-11	Phf13
ENSMUSG00000049866.12	6237.520859	-0.356217346	2.86E-12	4.36E-11	Arl4c
ENSMUSG00000058070.14	680.466158	-0.892556763	2.88E-12	4.38E-11	Eml1
ENSMUSG00000099881.1	367.9563786	1.181807911	2.93E-12	4.45E-11	RP23-460F21.1
ENSMUSG00000032046.15	2012.967494	0.549271255	2.95E-12	4.48E-11	Abhd12
ENSMUSG00000035293.13	6648.216402	-0.848987364	2.96E-12	4.50E-11	G2e3
ENSMUSG00000020361.13	31292.16836	0.249538038	2.99E-12	4.53E-11	Hspa4
ENSMUSG00000028683.14	2365.11679	0.478868095	2.99E-12	4.53E-11	Eif2b3
ENSMUSG00000020859.16	8184.663464	-0.394140043	3.06E-12	4.63E-11	Spag9
ENSMUSG00000028680.14	492.5835213	0.96465003	3.06E-12	4.63E-11	Plk3
ENSMUSG00000001855.15	2430.616028	-0.48324244	3.07E-12	4.64E-11	Nup214
ENSMUSG00000045216.7	3499.506257	-0.429070041	3.07E-12	4.64E-11	Hs6st1
ENSMUSG00000026153.15	2674.49243	-0.516140755	3.19E-12	4.82E-11	Fam135a
ENSMUSG00000064337.1	8244.123281	0.363144188	3.26E-12	4.92E-11	mt-Rnr1
ENSMUSG00000031930.11	3067.089588	0.431607732	3.29E-12	4.96E-11	Wwp2
ENSMUSG00000019868.16	1473.289889	0.579412301	3.31E-12	4.98E-11	Vta1
ENSMUSG00000044117.12	513.6595362	1.056893377	3.31E-12	4.98E-11	RP23-231E23.4
ENSMUSG00000094530.2	7092.814525	0.356577009	3.32E-12	4.99E-11	RP24-122D14.2
ENSMUSG00000012114.17	1467.914531	-0.579004643	3.36E-12	5.05E-11	Med15
ENSMUSG00000025173.13	4972.265253	0.36406212	3.76E-12	5.65E-11	Wdr45b
ENSMUSG000000087060.7	226.2005934	1.459072033	3.78E-12	5.68E-11	Eldr
ENSMUSG00000020812.17	1640.20388	-0.574185231	3.79E-12	5.69E-11	RP23-313J14.6
ENSMUSG00000000738.18	4509.188565	0.394344663	3.81E-12	5.71E-11	Spg7
ENSMUSG00000018001.18	1615.130878	0.590417454	3.82E-12	5.72E-11	Cyth3
ENSMUSG00000026869.12	2669.981275	0.463271385	3.83E-12	5.74E-11	Psmd5
ENSMUSG00000045896.14	4077.32666	0.465949596	3.83E-12	5.74E-11	Paip2b
ENSMUSG00000043323.16	2570.237816	0.461225725	3.84E-12	5.75E-11	Fbrsl1
ENSMUSG00000030019.6	4838.404694	-0.391417279	3.92E-12	5.85E-11	Fbx14
ENSMUSG00000025816.15	2282.012012	-0.487492859	3.97E-12	5.93E-11	Sec61a2
ENSMUSG00000025190.13	8306.043795	0.315710174	4.01E-12	5.98E-11	Got1
ENSMUSG00000032300.7	2538.129577	-0.472791924	4.08E-12	6.08E-11	RP23-437A9.3
ENSMUSG00000032121.9	746.1280863	0.806201599	4.11E-12	6.12E-11	Tmem218
ENSMUSG00000015994.10	3860.807865	0.397676822	4.13E-12	6.16E-11	Fnta
ENSMUSG00000051510.13	9446.930305	0.304509698	4.19E-12	6.24E-11	Mafg
ENSMUSG00000001761.7	5692.180411	-0.380122446	4.20E-12	6.25E-11	Smo
ENSMUSG00000055254.15	1090.4499	-0.698795185	4.25E-12	6.31E-11	Ntrk2
ENSMUSG00000056498.13	307.1881976	-1.256693317	4.30E-12	6.38E-11	Tmem154
ENSMUSG00000001946.14	86.53680964	2.511667371	4.34E-12	6.43E-11	Esam
ENSMUSG00000048038.8	132.3172098	-1.881986234	4.33E-12	6.43E-11	Ccdc187
ENSMUSG00000058183.14	199.7495286	1.514558658	4.40E-12	6.52E-11	Mmel1
ENSMUSG00000004530.12	7694.325821	0.330248028	4.47E-12	6.62E-11	Coro1c
ENSMUSG00000035311.16	2093.126026	-0.517677546	4.50E-12	6.66E-11	Gnptab
ENSMUSG00000026260.12	4252.836639	0.417055034	4.51E-12	6.67E-11	Ndufa10

ENSMUSG00000022419.16	2454.541635	-0.526548515	4.54E-12	6.72E-11	Deptor
ENSMUSG00000031748.16	2031.355242	-0.507533255	4.55E-12	6.72E-11	Gnao1
ENSMUSG00000026207.16	2680.70648	-0.454181441	4.55E-12	6.72E-11	Speg
ENSMUSG00000021476.9	978.6426519	0.6896008	4.64E-12	6.85E-11	Habp4
ENSMUSG00000071497.3	7695.720647	0.347647102	4.70E-12	6.93E-11	Nutf2-ps1
ENSMUSG00000000957.11	555.7244809	-0.977208216	4.72E-12	6.96E-11	Mmp14
ENSMUSG00000078784.8	2761.716673	0.54003345	4.85E-12	7.14E-11	RP24-251F16.4
ENSMUSG00000039852.17	6381.970864	-0.372519282	4.93E-12	7.25E-11	Rere
ENSMUSG00000028657.14	2692.458196	0.510674461	4.97E-12	7.31E-11	Ppt1
ENSMUSG00000039069.19	963.3605835	0.723575205	4.98E-12	7.32E-11	Mtg2
ENSMUSG00000037242.8	16162.83642	0.290566954	5.00E-12	7.34E-11	Clic4
ENSMUSG00000046841.5	3338.049941	-0.427345693	5.01E-12	7.35E-11	Ckap4
ENSMUSG00000020537.9	4346.265294	0.379787838	5.15E-12	7.55E-11	Drg2
ENSMUSG00000035372.1	1014.700849	0.701566182	5.18E-12	7.58E-11	1810055G02Rik
ENSMUSG00000025228.4	5437.986042	0.35211909	5.21E-12	7.64E-11	Actr1a
ENSMUSG00000024222.16	4206.664271	0.39056151	5.46E-12	7.98E-11	Fkbp5
ENSMUSG00000042426.6	3042.687685	0.449446428	5.46E-12	7.99E-11	Dhx29
ENSMUSG00000021095.5	199.7484404	-1.525084056	5.47E-12	7.99E-11	Gsc
ENSMUSG00000051043.16	961.7435782	-0.702456478	5.47E-12	7.99E-11	Gprc5c
ENSMUSG00000002006.12	8386.521659	-0.336086511	5.49E-12	8.01E-11	Pdzd4
ENSMUSG00000003154.15	1279.549914	-0.614815065	5.52E-12	8.05E-11	Foxj2
ENSMUSG00000030082.14	13597.96871	0.287901959	5.57E-12	8.12E-11	Sec61a1
ENSMUSG00000021209.12	673.9914395	-0.87008273	5.58E-12	8.13E-11	Ppp4r4
ENSMUSG00000051444.9	250.0123531	-1.344725225	5.73E-12	8.33E-11	Bbs12
ENSMUSG00000033214.10	475.8356499	-0.975191097	5.75E-12	8.37E-11	Slitrk5
ENSMUSG00000026819.15	1027.789572	0.688599816	5.84E-12	8.48E-11	Slc25a25
ENSMUSG00000036777.8	5279.320658	-0.363075333	5.90E-12	8.57E-11	Anln
ENSMUSG00000043962.16	16498.06405	0.280304623	5.93E-12	8.60E-11	Thrap3
ENSMUSG00000050471.17	1211.711326	0.622781862	5.97E-12	8.66E-11	Fam118b
ENSMUSG00000028023.16	2848.547647	-0.457411403	6.03E-12	8.74E-11	Pitx2
ENSMUSG00000029344.14	1174.200641	0.635958817	6.04E-12	8.75E-11	Tpst2
ENSMUSG00000019943.10	8195.564335	-0.327884782	6.32E-12	9.15E-11	Atp2b1
ENSMUSG00000031433.15	1233.117417	-0.672020917	6.66E-12	9.63E-11	Rbm41
ENSMUSG00000049897.14	68.41815014	2.933512804	6.69E-12	9.67E-11	Stkld1
ENSMUSG00000116858.1	856.4413081	0.771363256	6.70E-12	9.68E-11	RP24-75N14.3
ENSMUSG00000062127.11	1487.546032	0.570380588	6.78E-12	9.78E-11	Cttnbp2nl
ENSMUSG00000026788.13	1357.978286	0.61307859	6.94E-12	1.00E-10	Zbtb43
ENSMUSG00000015759.11	5536.164518	0.397938269	6.98E-12	1.01E-10	Cnih1
ENSMUSG00000042548.14	8767.912801	-0.314244161	7.03E-12	1.01E-10	Asxl1
ENSMUSG00000036968.15	2337.351994	0.489673628	7.06E-12	1.02E-10	Cnpy4
ENSMUSG00000040943.12	1126.007496	-0.67140855	7.19E-12	1.03E-10	Tet2
ENSMUSG00000033361.13	882.0642188	-0.722320097	7.29E-12	1.05E-10	Prrg3
ENSMUSG00000044005.13	1367.903548	-0.590654476	7.30E-12	1.05E-10	Gls2
ENSMUSG00000039706.11	2238.667635	-0.51662756	7.40E-12	1.06E-10	Ldb2
ENSMUSG00000023235.14	1043.658041	0.692496939	7.46E-12	1.07E-10	Ccl25
ENSMUSG00000031987.6	2829.206747	-0.522816405	7.58E-12	1.09E-10	Egln1
ENSMUSG00000037458.15	5271.56966	0.379009892	7.64E-12	1.09E-10	Azin1
ENSMUSG00000007812.16	2010.291744	0.531607769	7.71E-12	1.10E-10	Zfp655
ENSMUSG00000031513.8	2197.19964	0.493695116	7.71E-12	1.10E-10	Leprotil1
ENSMUSG00000041328.16	2787.549472	0.460344	8.11E-12	1.16E-10	Pcf11
ENSMUSG00000030733.10	2985.02547	0.440061185	8.20E-12	1.17E-10	Sh2b1
ENSMUSG00000001783.3	6890.397911	0.326634489	8.21E-12	1.17E-10	Rtcb
ENSMUSG00000038702.6	895.5598426	-0.747897966	8.37E-12	1.20E-10	Dsel
ENSMUSG00000024663.17	277.6527038	1.256056527	8.41E-12	1.20E-10	Rab3il1
ENSMUSG00000020238.14	7286.086143	0.323253158	8.42E-12	1.20E-10	Ncln
ENSMUSG00000027312.14	1744.632616	0.531720997	8.52E-12	1.21E-10	Atrn
ENSMUSG00000031382.14	58.62770057	6.187959512	8.60E-12	1.23E-10	Asb11
ENSMUSG00000036966.15	1510.739159	0.638332407	8.83E-12	1.26E-10	Spryd3
ENSMUSG00000079037.9	1268.589217	0.617819072	9.22E-12	1.31E-10	Prnp
ENSMUSG00000026131.18	12603.60869	-0.325818112	9.35E-12	1.33E-10	Dst
ENSMUSG00000102439.4	706.7413495	-0.884349253	9.58E-12	1.36E-10	Flg
ENSMUSG00000017418.13	3653.967996	-0.412853333	9.62E-12	1.37E-10	Arl5b
ENSMUSG00000034175.13	1565.177595	-0.554040857	9.93E-12	1.41E-10	Rhbdd3
ENSMUSG00000037344.14	1883.530001	0.548638422	9.93E-12	1.41E-10	Slc12a9
ENSMUSG00000021306.11	1164.71561	-0.646763392	1.01E-11	1.43E-10	Gpr137b
ENSMUSG00000031007.2	4509.897106	0.416515301	1.01E-11	1.43E-10	Atp6ap2
ENSMUSG00000022412.14	2759.254924	0.451101351	1.04E-11	1.47E-10	Mief1
ENSMUSG00000026447.16	525.5645748	-0.941389848	1.05E-11	1.48E-10	Pik3c2b
ENSMUSG00000000711.3	3397.677963	0.417571527	1.06E-11	1.50E-10	Rab5b
ENSMUSG00000031824.15	94.94627899	2.353414228	1.07E-11	1.51E-10	AC163442.1

ENSMUSG00000051557.15	811.0738235	0.749879396	1.10E-11	1.55E-10	Pusl1
ENSMUSG00000030058.17	7468.525904	0.322732499	1.12E-11	1.58E-10	Copg1
ENSMUSG00000032363.15	729.6390343	-0.796882334	1.17E-11	1.64E-10	Adams7
ENSMUSG00000080316.11	695.3257146	-0.828749348	1.21E-11	1.70E-10	Spaca6
ENSMUSG00000089889.2	109.2255153	2.102383115	1.23E-11	1.73E-10	AC123686.3
ENSMUSG00000021546.18	34423.76724	-0.249294636	1.26E-11	1.78E-10	Hnrnpk
ENSMUSG00000033763.14	1592.599909	-0.543082414	1.29E-11	1.82E-10	Mtss1l
ENSMUSG00000054667.7	2173.873728	-0.488043004	1.33E-11	1.87E-10	Irs4
ENSMUSG00000050721.9	395.348373	1.072909685	1.34E-11	1.87E-10	Plekho2
ENSMUSG00000027993.16	1707.003252	-0.598710891	1.43E-11	2.01E-10	Trim2
ENSMUSG00000047407.17	2591.780147	-0.450060796	1.44E-11	2.02E-10	Tgif1
ENSMUSG00000052155.5	1465.949556	-0.580217794	1.48E-11	2.07E-10	Acvr2a
ENSMUSG00000028228.5	1983.06501	-0.524684892	1.51E-11	2.12E-10	Cpne3
ENSMUSG00000096647.2	1015.789198	0.662997566	1.54E-11	2.16E-10	RP24-89F9.7
ENSMUSG00000036990.13	9942.95097	-0.330999591	1.55E-11	2.17E-10	Otud4
ENSMUSG00000025092.6	863.1740103	0.758292004	1.58E-11	2.20E-10	Hspa12a
ENSMUSG00000031490.6	8135.558086	-0.316285588	1.60E-11	2.24E-10	Eif4ebp1
ENSMUSG00000024112.16	757.9960132	-0.770674832	1.61E-11	2.25E-10	Cacna1h
ENSMUSG00000025224.15	3930.061049	0.39297518	1.63E-11	2.28E-10	Gbf1
ENSMUSG00000026525.9	126.784892	1.905881867	1.64E-11	2.29E-10	Opn3
ENSMUSG00000024381.15	1422.252974	-0.567939638	1.67E-11	2.33E-10	Bin1
ENSMUSG00000029250.5	8219.007605	0.32135358	1.74E-11	2.42E-10	Polr2b
ENSMUSG00000052373.14	1337.299009	-0.597683416	1.75E-11	2.43E-10	Mpp3
ENSMUSG00000058655.9	35364.7703	-0.24561585	1.77E-11	2.46E-10	Eif4b
ENSMUSG00000038014.7	4271.734868	-0.406328188	1.81E-11	2.52E-10	Fam120a
ENSMUSG00000029648.13	1136.774281	-0.723208107	1.82E-11	2.52E-10	Flt1
ENSMUSG00000039087.17	1849.568142	-0.520318164	1.83E-11	2.54E-10	Rreb1
ENSMUSG00000022864.14	774.4767912	-0.817315695	1.84E-11	2.55E-10	D16Ertd472e
ENSMUSG00000038602.7	666.2950397	-0.803085538	1.86E-11	2.58E-10	Slc35f1
ENSMUSG00000040220.10	949.0572241	0.705152177	1.87E-11	2.58E-10	Gas8
ENSMUSG00000021171.8	4262.144779	-0.382513075	1.87E-11	2.59E-10	Esy2
ENSMUSG00000054720.12	950.9808078	-0.676830501	1.88E-11	2.60E-10	Lrrcc8c
ENSMUSG00000029014.14	5708.105938	0.363861019	1.90E-11	2.62E-10	Chic2
ENSMUSG00000031327.10	1276.012928	-0.603309986	1.90E-11	2.62E-10	Chic1
ENSMUSG00000069631.14	1759.570141	0.51687078	1.90E-11	2.63E-10	Strada
ENSMUSG00000025477.14	1583.925111	0.574149212	1.95E-11	2.69E-10	Inpp5a
ENSMUSG00000046096.7	2854.828054	-0.440723352	1.95E-11	2.69E-10	RP23-17C12.7
ENSMUSG00000110277.1	788.7948502	0.745761879	2.03E-11	2.80E-10	CH25-588N10.2
ENSMUSG00000033581.17	6371.976008	-0.333682446	2.08E-11	2.87E-10	Igf2bp2
ENSMUSG00000027438.14	533.2021376	0.898986347	2.09E-11	2.88E-10	Napb
ENSMUSG00000042155.3	1174.618943	-0.632304728	2.09E-11	2.88E-10	Klhl23
ENSMUSG00000031821.11	2753.246777	0.444528181	2.13E-11	2.92E-10	Gins2
ENSMUSG00000024614.6	4553.232613	-0.375247121	2.13E-11	2.92E-10	Tmx3
ENSMUSG00000037686.6	1273.003872	-0.595113554	2.16E-11	2.96E-10	Aspg
ENSMUSG00000028830.14	3378.137169	0.402927035	2.17E-11	2.97E-10	RP23-273D6.2
ENSMUSG00000023175.15	34719.69921	0.3083893	2.19E-11	3.00E-10	Bsg
ENSMUSG00000030530.15	2219.812621	-0.473532905	2.19E-11	3.00E-10	Furin
ENSMUSG00000025857.10	1553.947448	-0.551338099	2.20E-11	3.01E-10	Dnaaf5
ENSMUSG00000028333.10	22809.12201	-0.256232497	2.23E-11	3.05E-10	Anp32b
ENSMUSG00000039787.13	1752.706456	-0.518327589	2.28E-11	3.11E-10	Cercam
ENSMUSG00000041566.3	46.52424305	5.101517413	2.28E-11	3.11E-10	Tssk1
ENSMUSG00000027663.12	3882.65628	-0.385246801	2.28E-11	3.12E-10	Zmat3
ENSMUSG00000059939.13	5577.326965	-0.341800389	2.28E-11	3.12E-10	RP23-139J18.1
ENSMUSG00000037405.8	642.3993433	0.814814193	2.29E-11	3.12E-10	Icam1
ENSMUSG00000021500.17	7937.835859	-0.320278088	2.31E-11	3.15E-10	Ddx46
ENSMUSG00000028848.13	1617.374936	0.538784107	2.33E-11	3.18E-10	Gpn2
ENSMUSG00000028696.12	789.8556495	0.73801551	2.39E-11	3.26E-10	Ipp
ENSMUSG00000050822.11	765.98902	0.756519994	2.42E-11	3.30E-10	Slc29a4
ENSMUSG00000054277.8	408.2408538	1.009253915	2.44E-11	3.32E-10	Arfgap3
ENSMUSG00000026307.12	1739.277831	0.517456513	2.46E-11	3.34E-10	Scly
ENSMUSG00000027884.16	1592.116895	0.539516438	2.52E-11	3.43E-10	Clcc1
ENSMUSG00000028649.18	17761.20041	-0.299571311	2.58E-11	3.50E-10	Macf1
ENSMUSG00000040274.11	1904.996114	-0.514984008	2.65E-11	3.59E-10	Cdk6
ENSMUSG00000002767.13	4505.670765	0.397509459	2.65E-11	3.59E-10	Mrpl2
ENSMUSG00000025982.13	16397.6484	-0.275599465	2.70E-11	3.65E-10	Sf3b1
ENSMUSG00000037278.9	3898.957438	0.383605325	2.70E-11	3.65E-10	Tmem97
ENSMUSG00000020520.14	3147.868218	0.40909408	2.71E-11	3.67E-10	Galnt10
ENSMUSG00000061979.8	1760.13006	0.515589737	2.72E-11	3.68E-10	Rcc1l
ENSMUSG00000040537.17	932.9617913	-0.676682054	2.78E-11	3.76E-10	Adam22
ENSMUSG00000004891.16	3369.60882	0.397593347	2.78E-11	3.76E-10	Nes

ENSMUSG00000059049.14	281.396108	-1.213898187	2.81E-11	3.79E-10	Frem1
ENSMUSG00000063760.9	713.8870477	-0.874894384	2.86E-11	3.85E-10	Rnf217
ENSMUSG00000070713.5	8809.107367	0.299753254	2.90E-11	3.90E-10	RP23-39F24.2
ENSMUSG00000032624.15	7014.917488	-0.338472154	2.90E-11	3.91E-10	Eml4
ENSMUSG00000041645.14	5833.541667	0.33434378	2.90E-11	3.91E-10	Ddx24
ENSMUSG00000079260.3	573.5029087	-0.888122194	2.94E-11	3.96E-10	Tmpe
ENSMUSG00000056310.14	4953.140169	0.405934219	2.98E-11	4.01E-10	Tyw1
ENSMUSG00000028675.12	3277.175891	-0.400203437	3.00E-11	4.04E-10	Pnrc2
ENSMUSG00000063870.12	51013.57362	-0.235831945	3.04E-11	4.09E-10	Chd4
ENSMUSG00000037235.13	535.6496815	-0.901918229	3.05E-11	4.09E-10	Mxd4
ENSMUSG00000041846.15	4530.988467	-0.363248866	3.10E-11	4.16E-10	Smek1
ENSMUSG00000024170.15	1645.776124	0.56039661	3.13E-11	4.19E-10	Telo2
ENSMUSG00000003226.7	11294.16287	-0.362726841	3.13E-11	4.19E-10	Ranbp2
ENSMUSG00000038539.15	781.8042459	-0.731044817	3.17E-11	4.24E-10	Atf5
ENSMUSG00000052911.9	1781.689833	-0.515260863	3.17E-11	4.24E-10	Lamb2
ENSMUSG00000028799.15	507.6135707	-0.913394853	3.21E-11	4.29E-10	Zfp362
ENSMUSG00000035762.11	1351.630767	0.572378007	3.25E-11	4.34E-10	Tmem161b
ENSMUSG00000027187.10	3021.807897	0.413923166	3.28E-11	4.38E-10	Cat
ENSMUSG00000031073.6	883.5492928	-0.697515597	3.29E-11	4.38E-10	Fgf15
ENSMUSG00000076435.3	714.6413571	-0.76490733	3.32E-11	4.43E-10	Acsf2
ENSMUSG00000034501.7	1691.039713	0.524424934	3.33E-11	4.44E-10	Pcnx4
ENSMUSG00000027694.9	2931.132827	0.441572815	3.36E-11	4.47E-10	RP24-418L2.1
ENSMUSG00000006678.6	2299.963286	-0.479218836	3.37E-11	4.48E-10	Pola1
ENSMUSG00000039753.16	1131.965903	-0.694892149	3.37E-11	4.48E-10	Fbxl5
ENSMUSG00000026349.14	5785.076118	-0.338109924	3.70E-11	4.92E-10	Ccnt2
ENSMUSG00000017677.11	5684.241287	0.352370835	3.71E-11	4.93E-10	Wsb1
ENSMUSG00000029073.9	675.4923647	0.853320518	3.75E-11	4.98E-10	Ctp
ENSMUSG00000041598.7	1909.09075	0.494502036	3.76E-11	4.99E-10	Cdc42ep4
ENSMUSG00000023927.15	3277.785363	-0.403780384	3.78E-11	5.02E-10	Satb1
ENSMUSG00000026675.12	2042.103546	0.481957159	3.85E-11	5.10E-10	Hsd17b7
ENSMUSG00000072875.2	594.4935118	-0.835655935	3.93E-11	5.20E-10	Gpr27
ENSMUSG00000025607.15	3561.102417	0.397669274	3.99E-11	5.29E-10	Copg2
ENSMUSG00000034107.10	44.73268187	4.338660805	4.01E-11	5.31E-10	Ano7
ENSMUSG00000020137.5	569.8496862	-0.844397957	4.05E-11	5.36E-10	Thap2
ENSMUSG00000021990.15	2166.430742	-0.475086388	4.21E-11	5.56E-10	Spata13
ENSMUSG00000027496.15	6188.343349	0.327433736	4.21E-11	5.56E-10	Aurka
ENSMUSG00000029311.16	971.9281565	-0.703331836	4.28E-11	5.64E-10	Hsd17b11
ENSMUSG00000030942.8	5529.459674	0.338895924	4.49E-11	5.93E-10	Thumpd1
ENSMUSG00000002635.11	1370.514122	-0.584016982	4.63E-11	6.10E-10	Pdcd21
ENSMUSG000000052752.15	4313.575265	0.37800029	4.66E-11	6.13E-10	Traf7
ENSMUSG00000095562.7	13475.22246	-0.315463846	4.66E-11	6.13E-10	Gm21887
ENSMUSG00000013236.17	10553.74587	-0.284214107	4.70E-11	6.18E-10	Ptprs
ENSMUSG00000094566.1	1740.533525	0.522437623	4.74E-11	6.24E-10	RP23-331121.16
ENSMUSG00000031021.13	1013.734488	0.662804195	4.76E-11	6.25E-10	Tmem9b
ENSMUSG00000044681.19	518.7608308	-0.900994391	4.91E-11	6.45E-10	Cnpy1
ENSMUSG00000048216.13	526.9527514	-0.908239572	4.99E-11	6.55E-10	Gpr85
ENSMUSG00000039615.8	1969.388886	0.484404375	5.02E-11	6.59E-10	Stub1
ENSMUSG00000083246.1	1432.780644	0.567866544	5.11E-11	6.71E-10	RP24-215D6.1
ENSMUSG00000024795.11	3735.299104	-0.492841153	5.20E-11	6.81E-10	Kif20b
ENSMUSG00000019970.15	2178.441895	-0.535073534	5.25E-11	6.87E-10	Sgk1
ENSMUSG00000110575.1	89.48132634	2.243494545	5.25E-11	6.88E-10	RP23-410L16.8
ENSMUSG00000028992.13	879.5411582	0.711901835	5.31E-11	6.94E-10	Nmnat1
ENSMUSG00000021610.8	3011.923632	0.41261836	5.31E-11	6.94E-10	Cipltm11
ENSMUSG00000081111.3	5538.679821	0.339701989	5.38E-11	7.03E-10	AC146815.1
ENSMUSG00000053293.9	8019.599694	-0.348215554	5.38E-11	7.03E-10	Pom121
ENSMUSG00000027803.14	2094.957873	-0.47981527	5.39E-11	7.03E-10	Wwtr1
ENSMUSG00000026255.15	1328.303479	-0.579162669	5.42E-11	7.07E-10	Efh1
ENSMUSG00000022051.15	7229.339132	-0.333483805	5.43E-11	7.08E-10	Bnip3l
ENSMUSG00000025104.13	1565.047358	-0.601468591	5.53E-11	7.21E-10	Hdgfrp3
ENSMUSG00000021114.9	3651.246571	0.423593249	5.55E-11	7.23E-10	Atp6v1d
ENSMUSG00000094370.7	751.676006	-0.745202103	5.58E-11	7.26E-10	RP23-97D14.5
ENSMUSG00000005718.8	1231.136349	-0.605467201	5.61E-11	7.29E-10	Tfap4
ENSMUSG00000033454.6	764.6034855	-0.730204899	5.65E-11	7.34E-10	Zbtb1
ENSMUSG00000056201.7	34466.37762	0.234221448	5.65E-11	7.34E-10	Cfl1
ENSMUSG00000067276.5	375.0635399	-1.046844038	5.71E-11	7.41E-10	Capn6
ENSMUSG00000022201.16	5627.092307	0.331342613	5.75E-11	7.46E-10	Zfr
ENSMUSG00000044600.14	2582.318131	0.434461887	5.82E-11	7.54E-10	Smim7
ENSMUSG00000079487.11	4037.497109	-0.423041836	5.82E-11	7.54E-10	Med12
ENSMUSG00000003131.7	5612.310951	-0.343167758	5.82E-11	7.54E-10	Pafah1b2
ENSMUSG00000018999.14	3334.25293	0.397655571	5.93E-11	7.67E-10	Slc35b4

ENSMUSG00000031700.11	5273.868416	-0.345128994	5.93E-11	7.67E-10	Gpt2
ENSMUSG00000035521.13	1129.460961	0.686887849	5.95E-11	7.69E-10	Gnptg
ENSMUSG00000074102.4	3693.521039	-0.400223991	5.97E-11	7.71E-10	Rbm15b
ENSMUSG00000058392.12	6449.386395	0.331875176	5.99E-11	7.73E-10	Rrp1b
ENSMUSG00000021190.14	5659.068256	0.367867799	6.26E-11	8.07E-10	Lgmn
ENSMUSG00000058809.8	7141.125627	0.32648157	6.30E-11	8.13E-10	Hspd1-ps3
ENSMUSG00000026247.13	387.592307	-1.036101289	6.52E-11	8.40E-10	Ecel1
ENSMUSG00000046204.14	859.2771154	-0.729282062	6.52E-11	8.40E-10	Pnma2
ENSMUSG00000023010.15	24650.09706	0.278794759	6.53E-11	8.41E-10	Tmbim6
ENSMUSG00000029346.12	509.4133753	0.890253737	6.65E-11	8.55E-10	Srrd
ENSMUSG00000038013.14	3840.328088	0.381088603	6.66E-11	8.56E-10	Wipf2
ENSMUSG00000050705.15	1372.320611	0.589328451	6.66E-11	8.56E-10	RP24-180B11.5
ENSMUSG00000081120.1	990.4357635	-0.683973887	6.66E-11	8.56E-10	RP23-102I12.1
ENSMUSG00000010095.13	14087.85715	-0.298530054	6.67E-11	8.57E-10	Slc3a2
ENSMUSG00000062646.12	592.094738	0.84047236	6.71E-11	8.60E-10	Ganc
ENSMUSG00000022427.4	3841.73433	0.384893431	6.82E-11	8.74E-10	Tomm22
ENSMUSG00000041817.14	3905.734318	-0.398485484	6.98E-11	8.95E-10	Fam169a
ENSMUSG00000046056.15	437.9943075	-1.008304886	7.01E-11	8.98E-10	Sbsn
ENSMUSG00000062234.14	2793.772831	-0.419731586	7.04E-11	9.01E-10	Gak
ENSMUSG00000090330.2	172.295842	1.537307986	7.18E-11	9.18E-10	AC156992.2
ENSMUSG00000096780.7	3174.118541	0.409800884	7.21E-11	9.22E-10	Tmem181b-ps
ENSMUSG00000019880.10	387.8837108	-1.017913881	7.25E-11	9.26E-10	Rspo3
ENSMUSG00000079391.10	834.9780617	-0.699175485	7.32E-11	9.35E-10	RP24-426N16.2
ENSMUSG00000068040.10	6369.729112	0.339429511	7.53E-11	9.60E-10	Tm9sf4
ENSMUSG00000028567.8	3267.572785	0.414910491	7.55E-11	9.62E-10	Txndc12
ENSMUSG00000020737.12	6950.930002	0.337766592	7.60E-11	9.68E-10	Hn1
ENSMUSG00000062580.9	4929.398572	0.360237617	7.60E-11	9.68E-10	Timm17a
ENSMUSG00000039886.8	2226.692328	0.509453924	7.67E-11	9.76E-10	Tmem120a
ENSMUSG00000026203.16	886.2586496	0.680178009	7.68E-11	9.76E-10	Dnajb2
ENSMUSG00000093924.1	1703.699063	0.521339159	7.69E-11	9.78E-10	RP23-331I21.2
ENSMUSG00000021709.14	1117.394896	-0.613896952	7.82E-11	9.93E-10	Erbp2ip
ENSMUSG00000020780.15	8143.462097	0.313474727	7.85E-11	9.97E-10	Srp68
ENSMUSG00000041958.10	9939.034336	0.313576347	7.96E-11	1.01E-09	Pigs
ENSMUSG00000042417.5	111.5432884	-1.924439269	8.02E-11	1.02E-09	Ccno
ENSMUSG00000031935.9	3099.417107	0.408602857	8.03E-11	1.02E-09	Med17
ENSMUSG00000046618.7	235.1268206	-1.309098639	8.13E-11	1.03E-09	Olfml2a
ENSMUSG00000059981.12	5423.077213	0.350459629	8.13E-11	1.03E-09	Taok2
ENSMUSG00000018322.10	2653.164038	0.438589989	8.23E-11	1.04E-09	Tomm34
ENSMUSG00000032402.12	1512.701764	-0.565225744	8.41E-11	1.06E-09	Smad3
ENSMUSG00000058013.11	12239.83857	-0.312737534	8.47E-11	1.07E-09	11. Sep
ENSMUSG00000011960.12	4289.410083	0.40037358	8.55E-11	1.08E-09	Ccnt1
ENSMUSG00000041734.15	2985.432985	-0.40598763	8.56E-11	1.08E-09	Kirrel
ENSMUSG00000028248.15	7573.507186	-0.322802686	8.57E-11	1.08E-09	Pnlsr
ENSMUSG00000044328.13	815.4434036	0.708708641	8.71E-11	1.10E-09	Trp53i13
ENSMUSG00000067038.5	9302.050952	0.34962401	8.81E-11	1.11E-09	Rps12-ps3
ENSMUSG00000028047.11	2448.083833	-0.465215466	8.82E-11	1.11E-09	Thbs3
ENSMUSG00000041124.11	2836.256045	0.41629466	8.83E-11	1.11E-09	Msantd4
ENSMUSG00000043259.15	315.1188111	-1.110975306	9.01E-11	1.13E-09	Fam13c
ENSMUSG00000031214.13	2739.725149	-0.428419538	9.20E-11	1.16E-09	Ophn1
ENSMUSG00000022174.8	3801.102144	0.413523427	9.28E-11	1.17E-09	Dad1
ENSMUSG00000024406.16	41415.83708	-0.249167022	9.28E-11	1.17E-09	Pou5f1
ENSMUSG00000022961.18	14993.83146	0.307812412	9.30E-11	1.17E-09	Son
ENSMUSG00000031386.14	15586.83656	-0.299760088	9.30E-11	1.17E-09	Hcfc1
ENSMUSG00000107019.1	47.97478625	3.700252201	9.37E-11	1.17E-09	RP24-470E5.4
ENSMUSG00000026442.14	3447.075495	-0.38897264	9.54E-11	1.20E-09	Nfasc
ENSMUSG00000037351.9	5803.215579	0.324238331	9.59E-11	1.20E-09	Actr1b
ENSMUSG00000042510.7	60.66673995	2.903547067	9.62E-11	1.20E-09	RP24-87I22.6
ENSMUSG00000021589.13	2363.539488	-0.484743842	9.68E-11	1.21E-09	Rhobtb3
ENSMUSG00000001151.10	5553.607286	-0.371654441	9.71E-11	1.21E-09	Pcnt
ENSMUSG00000025371.12	2710.643437	0.42289758	9.83E-11	1.23E-09	Chmp6
ENSMUSG00000031273.16	1164.911872	-0.594808023	9.86E-11	1.23E-09	Col4a6
ENSMUSG00000041264.16	3443.404727	0.385607126	9.86E-11	1.23E-09	Usp1
ENSMUSG00000058301.8	7289.805785	0.304216049	9.87E-11	1.23E-09	Upf1
ENSMUSG00000021133.9	1340.348001	0.567170113	9.93E-11	1.24E-09	Susd6
ENSMUSG00000037072.15	10788.25325	0.285575495	9.96E-11	1.24E-09	15. Sep
ENSMUSG00000029505.17	8851.27205	-0.323977187	1.00E-10	1.25E-09	Ep400
ENSMUSG00000018906.14	2292.90792	-0.484920073	1.02E-10	1.27E-09	P4ha2
ENSMUSG00000037669.15	2208.515651	0.470996005	1.02E-10	1.27E-09	Ldah
ENSMUSG00000029920.9	3250.144766	-0.40384141	1.04E-10	1.29E-09	Smardc1
ENSMUSG00000001844.10	673.3060882	0.795557701	1.04E-10	1.29E-09	Zdhhc4

ENSMUSG00000030894.5	4868.361048	0.375478601	1.07E-10	1.33E-09	Tpp1
ENSMUSG00000043542.12	1085.345858	-0.623010889	1.08E-10	1.34E-09	Zc2hc1a
ENSMUSG00000007379.15	841.1142849	-0.738644653	1.09E-10	1.35E-09	Dennd2c
ENSMUSG00000002833.11	6448.144561	0.323043814	1.10E-10	1.36E-09	Hdgfrp2
ENSMUSG00000038538.17	4659.621425	-0.378262523	1.10E-10	1.36E-09	Ubn2
ENSMUSG00000030603.16	7388.998036	0.322127675	1.11E-10	1.37E-09	Psmc4
ENSMUSG00000032549.7	810.756596	-0.710325631	1.11E-10	1.37E-09	Rab6b
ENSMUSG00000030308.15	17680.05018	0.253019326	1.12E-10	1.39E-09	Hmgn2
ENSMUSG00000024053.10	1618.184043	-0.54209534	1.13E-10	1.39E-09	Emilin2
ENSMUSG000000085028.2	331.7960812	-1.07898028	1.14E-10	1.40E-09	Slc2a4rg-ps
ENSMUSG00000029661.16	602.565781	-0.818398634	1.16E-10	1.43E-09	Col1a2
ENSMUSG00000078566.8	4677.992688	-0.415545943	1.17E-10	1.44E-09	Bnip3
ENSMUSG00000079330.8	416.5496041	-0.985282676	1.18E-10	1.45E-09	Lemd1
ENSMUSG00000039345.16	792.5265812	0.769802211	1.23E-10	1.51E-09	Mettl22
ENSMUSG00000040883.17	550.0314222	-0.868006145	1.23E-10	1.52E-09	Tmem205
ENSMUSG00000032648.14	181.200605	1.543326566	1.24E-10	1.52E-09	Pygm
ENSMUSG00000036915.17	300.6692838	-1.127028127	1.24E-10	1.52E-09	Kirrel2
ENSMUSG00000045333.15	738.379098	-0.777807673	1.24E-10	1.53E-09	Zfp423
ENSMUSG00000042216.13	2000.630042	0.531662072	1.25E-10	1.54E-09	Sgsm1
ENSMUSG00000038838.15	2562.10635	0.453597122	1.27E-10	1.56E-09	Vars2
ENSMUSG00000038871.5	1559.794534	0.534906474	1.27E-10	1.56E-09	Bpgm
ENSMUSG00000053740.7	2220.396883	0.459241314	1.28E-10	1.57E-09	Gm6457
ENSMUSG00000039470.15	2263.953162	-0.500296842	1.28E-10	1.57E-09	Zdhhc2
ENSMUSG00000018583.5	37927.19316	0.239160928	1.29E-10	1.58E-09	G3bp1
ENSMUSG00000029234.13	4439.851832	-0.37338854	1.29E-10	1.58E-09	Tmem165
ENSMUSG00000066406.15	3149.623771	0.446278791	1.29E-10	1.58E-09	Akap13
ENSMUSG00000034487.4	753.0279593	-0.721803421	1.31E-10	1.60E-09	Kdelc2
ENSMUSG00000020908.14	135.0756212	1.735436782	1.35E-10	1.66E-09	Myh3
ENSMUSG00000049299.14	2256.132605	0.484423858	1.40E-10	1.71E-09	Trappc1
ENSMUSG00000050910.5	2897.388446	0.439743716	1.45E-10	1.77E-09	Cdr2l
ENSMUSG00000026812.16	3572.819511	0.377200036	1.46E-10	1.79E-09	Tsc1
ENSMUSG00000030117.5	4216.889964	-0.369912551	1.48E-10	1.80E-09	Gdf3
ENSMUSG00000037740.8	2206.490305	0.456736008	1.48E-10	1.80E-09	Mrps26
ENSMUSG00000024889.4	2444.27775	0.455346277	1.51E-10	1.84E-09	Rce1
ENSMUSG00000054499.9	1172.506382	0.621277349	1.52E-10	1.85E-09	Dedd2
ENSMUSG00000030084.11	7774.860079	-0.317127765	1.53E-10	1.87E-09	Plxn1
ENSMUSG00000039242.10	2012.395692	-0.483443745	1.54E-10	1.87E-09	B3galnt2
ENSMUSG00000038486.9	1024.025743	-0.637506704	1.55E-10	1.89E-09	Sv2a
ENSMUSG00000048621.3	44.90272876	3.721221976	1.57E-10	1.91E-09	RP23-252O5.3
ENSMUSG00000024516.12	943.9614828	0.664904099	1.58E-10	1.92E-09	Sec1c
ENSMUSG0000004558.15	1796.848184	-0.547373885	1.58E-10	1.92E-09	Ndrgr2
ENSMUSG00000079445.3	970.0176897	-0.649685915	1.59E-10	1.92E-09	B3gnt7
ENSMUSG00000030064.16	3904.5466	-0.376251921	1.60E-10	1.93E-09	Frm4b
ENSMUSG00000041235.12	5608.294994	-0.348853854	1.62E-10	1.96E-09	Chd7
ENSMUSG00000032633.12	3191.032019	0.399377671	1.62E-10	1.96E-09	Flcn
ENSMUSG00000027198.16	3540.473103	0.400946982	1.63E-10	1.97E-09	Ext2
ENSMUSG00000048232.12	574.6405567	-0.86032048	1.63E-10	1.97E-09	Fbxo10
ENSMUSG00000009376.15	1112.078815	-0.603342706	1.63E-10	1.97E-09	Met
ENSMUSG00000040731.13	20128.13271	0.243711837	1.64E-10	1.98E-09	Eif4h
ENSMUSG00000021116.10	9567.326	0.290734715	1.66E-10	2.00E-09	Eif2s1
ENSMUSG00000033590.8	765.3866943	-0.746014244	1.68E-10	2.03E-09	Myo5c
ENSMUSG00000037012.18	2536.443011	0.425780064	1.69E-10	2.04E-09	Hk1
ENSMUSG00000034761.15	1578.792209	-0.541118453	1.69E-10	2.04E-09	Map4k5
ENSMUSG00000060002.14	675.6964048	-0.779679197	1.73E-10	2.09E-09	Chpt1
ENSMUSG00000025665.16	8595.256114	-0.309571428	1.74E-10	2.10E-09	Rps6ka6
ENSMUSG00000081476.1	746.5857358	0.720856343	1.75E-10	2.11E-09	Itpa-ps1
ENSMUSG00000027340.15	7236.493187	-0.332005117	1.79E-10	2.15E-09	Slc23a2
ENSMUSG00000073411.11	2151.507179	0.453790637	1.79E-10	2.15E-09	H2-D1
ENSMUSG00000074506.4	2580.409899	0.430781415	1.80E-10	2.17E-09	RP23-145A18.7
ENSMUSG00000032078.17	2894.595522	0.405234852	1.83E-10	2.20E-09	Zpr1
ENSMUSG00000052428.10	3498.522673	0.382158602	1.86E-10	2.23E-09	Tmco1
ENSMUSG0000002205.16	1260.251904	0.58242512	1.87E-10	2.25E-09	Vrk3
ENSMUSG00000044365.15	641.9447667	-0.784338045	1.89E-10	2.27E-09	Cxxc4
ENSMUSG00000030397.10	2446.345943	0.43112788	1.91E-10	2.28E-09	Mark4
ENSMUSG00000031503.13	2221.350879	-0.447717929	1.91E-10	2.29E-09	Col4a2
ENSMUSG00000030329.11	1351.323317	-0.562541166	1.91E-10	2.29E-09	Pianp
ENSMUSG00000008153.11	3270.550004	-0.38701986	1.94E-10	2.32E-09	Clstn3
ENSMUSG00000040209.12	2042.243927	-0.468869121	1.94E-10	2.32E-09	Zfp704
ENSMUSG00000085385.7	3290.963505	-0.394430877	1.97E-10	2.36E-09	Snhg17
ENSMUSG00000027341.10	1159.253961	-0.620554113	2.01E-10	2.40E-09	Tmem230

ENSMUSG00000024014.7	1993.744742	0.467617617	2.01E-10	2.40E-09	Pim1
ENSMUSG00000041483.14	3544.447424	-0.401727443	2.04E-10	2.44E-09	Zfp281
ENSMUSG00000008373.16	3645.564505	-0.381143434	2.09E-10	2.49E-09	Prpf31
ENSMUSG00000034520.14	3536.373413	-0.376837161	2.10E-10	2.50E-09	Gjc1
ENSMUSG00000023913.17	1439.986176	-0.546807529	2.11E-10	2.51E-09	Pla2g7
ENSMUSG00000060098.11	4628.333517	0.351436677	2.11E-10	2.51E-09	Prmt7
ENSMUSG00000036646.13	4816.316992	-0.341748864	2.13E-10	2.53E-09	Man1b1
ENSMUSG00000062981.5	3940.297713	0.385953654	2.15E-10	2.56E-09	Mrpl42
ENSMUSG00000026620.11	1398.158996	-0.540646273	2.17E-10	2.58E-09	Mark1
ENSMUSG00000019179.10	11382.74413	0.29243115	2.18E-10	2.59E-09	Mdh2
ENSMUSG00000007617.18	2046.014557	-0.482507901	2.20E-10	2.61E-09	Homer1
ENSMUSG00000031781.14	6523.619414	0.306751498	2.24E-10	2.66E-09	Ciapin1
ENSMUSG00000032840.7	1848.007558	0.519577861	2.27E-10	2.69E-09	AC125061.1
ENSMUSG00000020100.15	999.6658038	0.627789073	2.27E-10	2.69E-09	Slc29a3
ENSMUSG00000041439.15	596.9635473	-0.854380943	2.28E-10	2.70E-09	Mfsd6
ENSMUSG00000032897.17	2471.91216	0.42659798	2.28E-10	2.70E-09	Nfyc
ENSMUSG00000003949.16	622.3500675	-0.892100417	2.32E-10	2.74E-09	Hlf
ENSMUSG00000030824.17	6351.561425	0.33401992	2.35E-10	2.78E-09	Nucb1
ENSMUSG00000056972.6	3463.065602	-0.396481031	2.36E-10	2.79E-09	Magel2
ENSMUSG00000043257.15	1304.115104	-0.554158941	2.38E-10	2.81E-09	Pigv
ENSMUSG00000025353.5	1030.959849	-0.670656648	2.38E-10	2.81E-09	Ormdl2
ENSMUSG00000023088.17	2821.362778	-0.405810117	2.39E-10	2.82E-09	Abcc1
ENSMUSG00000067336.6	2770.161326	-0.446906865	2.42E-10	2.85E-09	Bmpr2
ENSMUSG00000040836.15	486.2856967	-0.891305484	2.42E-10	2.85E-09	Gpr161
ENSMUSG00000036334.12	1258.280802	-0.61909455	2.43E-10	2.86E-09	Igsf10
ENSMUSG00000021375.10	2252.50182	-0.448353955	2.43E-10	2.86E-09	Kif13a
ENSMUSG00000029076.14	6267.051495	0.334055003	2.43E-10	2.86E-09	Sdf4
ENSMUSG00000023411.12	2011.100211	-0.464878969	2.51E-10	2.95E-09	Nfatc4
ENSMUSG00000028952.12	966.3889757	0.633531769	2.52E-10	2.96E-09	Zbtb48
ENSMUSG00000093978.1	1406.655632	0.545727224	2.53E-10	2.97E-09	RP23-331I21.14
ENSMUSG00000062846.7	5080.988449	0.340067097	2.54E-10	2.98E-09	RP23-91I20.2
ENSMUSG00000079396.4	827.7212688	-0.682392935	2.54E-10	2.98E-09	RP24-267P.1
ENSMUSG00000007646.13	755.3068429	0.71215952	2.56E-10	3.00E-09	Rad51c
ENSMUSG00000092072.3	1492.44545	0.597885833	2.58E-10	3.03E-09	RP23-169H9.7
ENSMUSG00000032580.12	5185.539363	-0.33802049	2.60E-10	3.05E-09	Rbm5
ENSMUSG00000086013.1	374.0291717	0.999780466	2.62E-10	3.06E-09	RP24-359O2.3
ENSMUSG00000049922.8	770.1678498	-0.703434216	2.65E-10	3.10E-09	Slc35c1
ENSMUSG00000024104.11	5868.177372	0.330042957	2.74E-10	3.20E-09	Washc2
ENSMUSG00000044288.6	927.1298917	-0.738994581	2.76E-10	3.22E-09	Cnr1
ENSMUSG000000055313.14	327.3471157	-1.07735377	2.78E-10	3.25E-09	Pgb1
ENSMUSG00000013539.14	883.3071214	0.657856148	2.80E-10	3.27E-09	Tango2
ENSMUSG00000018796.13	1052.676415	0.610673324	2.80E-10	3.27E-09	Acsl1
ENSMUSG00000031979.17	1133.028874	0.619480515	2.80E-10	3.27E-09	Cog2
ENSMUSG00000098181.1	5581.39195	0.384089489	2.82E-10	3.29E-09	Rps12-ps24
ENSMUSG00000091421.3	5534.796521	0.325374934	2.82E-10	3.29E-09	RP24-496A9.6
ENSMUSG00000026791.14	1993.172739	-0.477380702	2.84E-10	3.31E-09	Slc2a8
ENSMUSG00000113015.1	919.959373	-0.648097225	2.87E-10	3.34E-09	RP24-462E4.1
ENSMUSG00000022682.8	3817.389545	0.371860034	2.88E-10	3.35E-09	Rrn3
ENSMUSG00000108368.1	62.221308	2.827821532	2.89E-10	3.36E-09	RP23-335C3.10
ENSMUSG00000042447.13	1833.162309	-0.476737464	2.89E-10	3.36E-09	Mios
ENSMUSG00000001751.9	998.2970822	0.648866473	2.91E-10	3.38E-09	Naglu
ENSMUSG00000042770.8	1013.678023	0.628280282	2.93E-10	3.40E-09	Hebp1
ENSMUSG00000009108.15	127.4161787	1.762508712	3.10E-10	3.60E-09	Gnat2
ENSMUSG00000062867.13	20639.26606	0.23783084	3.10E-10	3.60E-09	Impdh2
ENSMUSG00000024515.13	4634.804862	-0.349953758	3.11E-10	3.60E-09	Smad4
ENSMUSG00000024180.13	573.7815366	-0.862569098	3.13E-10	3.63E-09	Tmem8
ENSMUSG00000029319.8	1234.693877	0.56464625	3.14E-10	3.64E-09	Coq2
ENSMUSG00000037773.14	1229.561782	-0.588997247	3.15E-10	3.65E-09	Pced1a
ENSMUSG00000057715.13	259.4828284	-1.263054835	3.16E-10	3.66E-09	AC103635.1
ENSMUSG00000038011.15	43.51754903	3.942654196	3.16E-10	3.66E-09	Dnah10
ENSMUSG00000001211.15	5156.009876	-0.347323509	3.18E-10	3.67E-09	Agpat3
ENSMUSG00000027589.14	1681.384919	-0.503464004	3.22E-10	3.71E-09	Pcmt2
ENSMUSG00000034032.15	3699.071189	-0.370670825	3.26E-10	3.76E-09	Rpap1
ENSMUSG00000034152.6	1332.985687	0.556130156	3.27E-10	3.78E-09	Exoc3
ENSMUSG00000017664.16	2924.506	0.397806044	3.28E-10	3.79E-09	Slc35c2
ENSMUSG00000019814.5	2323.558999	-0.468212644	3.29E-10	3.79E-09	Ltv1
ENSMUSG00000029466.11	3116.766648	0.387481269	3.32E-10	3.83E-09	Anapc7
ENSMUSG00000020307.15	7794.913326	0.315795608	3.42E-10	3.93E-09	Cdc34
ENSMUSG00000056204.8	960.1591665	0.642424458	3.42E-10	3.93E-09	Pgpep1
ENSMUSG00000071708.11	20067.36038	-0.248818586	3.45E-10	3.97E-09	Sms

ENSMUSG00000020963.15	40.79478332	4.393370336	3.46E-10	3.98E-09	Tshr
ENSMUSG00000029475.17	3521.549257	-0.406048013	3.48E-10	4.00E-09	Kdm2b
ENSMUSG00000024949.17	19040.07418	0.24032015	3.59E-10	4.12E-09	Sf1
ENSMUSG00000063931.14	2311.587792	0.447922844	3.65E-10	4.19E-09	Pepd
ENSMUSG00000029730.16	14967.80299	-0.249635323	3.70E-10	4.24E-09	Mcm7
ENSMUSG00000065990.12	4065.537449	0.350229551	3.72E-10	4.26E-09	Aurkaip1
ENSMUSG00000034460.9	1100.00784	0.605420049	3.76E-10	4.31E-09	Six4
ENSMUSG00000003355.7	1765.993232	0.491293301	3.77E-10	4.32E-09	Fkbp11
ENSMUSG00000083396.1	7052.378069	0.320618507	3.83E-10	4.38E-09	AC107815.5
ENSMUSG00000025389.7	709.385179	-0.736072246	3.84E-10	4.39E-09	Mip
ENSMUSG00000062480.11	5449.802505	0.331115311	3.93E-10	4.50E-09	Acat3
ENSMUSG00000040188.10	2437.51172	0.422481973	3.95E-10	4.51E-09	Scamp2
ENSMUSG00000028636.14	493.6632428	0.874989898	3.97E-10	4.54E-09	Ppcs
ENSMUSG00000030170.14	715.0755776	-0.780244857	4.01E-10	4.58E-09	Wnt5b
ENSMUSG00000024384.4	5115.620263	-0.336208833	4.02E-10	4.58E-09	lws1
ENSMUSG00000035530.13	17667.72013	0.276439364	4.02E-10	4.59E-09	Eif1
ENSMUSG00000027804.13	9918.439204	0.284743943	4.03E-10	4.59E-09	Ppid
ENSMUSG00000029390.13	13733.75149	0.266807954	4.05E-10	4.61E-09	Tmed2
ENSMUSG00000096003.7	684.4122212	-0.735450556	4.05E-10	4.61E-09	RP23-254B9.1
ENSMUSG00000009207.15	3149.466682	0.406325112	4.09E-10	4.65E-09	Lnpk
ENSMUSG00000091418.2	475.5282757	-0.895408126	4.10E-10	4.66E-09	RP24-218O5.2
ENSMUSG00000040430.18	1014.646263	-0.644443227	4.12E-10	4.69E-09	Pitpnc1
ENSMUSG00000024906.9	1079.042547	0.63117821	4.22E-10	4.79E-09	Mus81
ENSMUSG00000027006.13	8414.503383	0.287155386	4.22E-10	4.79E-09	Dnajc10
ENSMUSG00000038827.11	1289.509186	0.612775257	4.31E-10	4.90E-09	Fam206a
ENSMUSG00000005087.17	497.6336126	-0.866452004	4.33E-10	4.91E-09	Cd44
ENSMUSG00000060373.15	19256.29656	0.270353064	4.45E-10	5.05E-09	Hnrnpc
ENSMUSG00000020691.13	2965.040193	0.403102168	4.47E-10	5.06E-09	Mettl2
ENSMUSG00000038280.12	1809.8975	0.501510785	4.49E-10	5.09E-09	Ostm1
ENSMUSG00000057193.8	2955.669849	0.401954538	4.50E-10	5.10E-09	Slc44a2
ENSMUSG00000042507.15	2406.791763	-0.452409761	4.59E-10	5.20E-09	Elmsan1
ENSMUSG00000091474.2	2097.38375	0.461152265	4.64E-10	5.25E-09	RP23-147O14.2
ENSMUSG00000029090.12	6206.909245	-0.318690766	4.68E-10	5.29E-09	Adgra3
ENSMUSG00000026042.16	3905.413814	-0.361266932	4.84E-10	5.46E-09	Col5a2
ENSMUSG00000103047.1	171.2347036	-1.464454468	4.85E-10	5.47E-09	RP24-367P22.1
ENSMUSG00000062397.8	4063.360252	-0.350120175	4.89E-10	5.52E-09	Zfp706
ENSMUSG00000056812.13	248.4256787	-1.256002845	4.95E-10	5.59E-09	St3sia3
ENSMUSG00000024393.14	29915.65569	0.232084158	4.99E-10	5.62E-09	Prrc2a
ENSMUSG00000032123.5	1373.220965	-0.530340067	5.05E-10	5.69E-09	Dpagt1
ENSMUSG00000028452.7	25384.92094	0.234244593	5.10E-10	5.75E-09	Vcp
ENSMUSG00000031012.17	1958.230936	-0.473297051	5.27E-10	5.93E-09	Cask
ENSMUSG00000056076.13	23789.73412	0.233429246	5.37E-10	6.04E-09	Eif3b
ENSMUSG00000032740.16	1942.176242	-0.518148796	5.45E-10	6.13E-09	Ccdc88a
ENSMUSG00000106535.1	158.5254705	1.564654223	5.48E-10	6.16E-09	RP23-369O21.1
ENSMUSG00000001270.9	6176.328101	0.315638787	5.49E-10	6.16E-09	Ckb
ENSMUSG00000052446.17	1792.615688	0.493782238	5.52E-10	6.20E-09	Zfp961
ENSMUSG00000114251.1	2089.461785	0.448381583	5.57E-10	6.25E-09	Tmed10-ps
ENSMUSG00000022185.19	15891.78589	0.249396123	5.58E-10	6.26E-09	Acin1
ENSMUSG00000023018.5	7575.692479	0.290780432	5.61E-10	6.28E-09	Smarcd1
ENSMUSG00000017801.15	1997.089503	0.49184424	5.64E-10	6.31E-09	Mlx
ENSMUSG00000030842.12	3578.51617	0.379164773	5.64E-10	6.31E-09	Lamtor1
ENSMUSG00000035049.3	5472.871626	0.340452381	5.64E-10	6.31E-09	Rrp12
ENSMUSG00000036845.12	683.6729095	0.729133966	5.67E-10	6.34E-09	Lin37
ENSMUSG00000026994.9	288.8850948	-1.157223649	5.70E-10	6.37E-09	Galnt3
ENSMUSG00000032458.6	6356.95748	0.305661501	5.76E-10	6.43E-09	Copb2
ENSMUSG00000022528.8	901.4540431	-0.643985701	5.81E-10	6.49E-09	Hes1
ENSMUSG00000030868.6	2069.666667	0.449386018	5.83E-10	6.51E-09	Dctn5
ENSMUSG00000089803.3	4251.730192	0.343184747	5.87E-10	6.55E-09	AC074310.4
ENSMUSG00000040565.7	5815.409425	-0.314061163	5.98E-10	6.67E-09	Btaf1
ENSMUSG00000026196.7	1998.172075	-0.461857	6.01E-10	6.70E-09	Bard1
ENSMUSG00000025931.15	824.0684027	-0.733902743	6.02E-10	6.71E-09	Paqr8
ENSMUSG00000025612.5	3539.939027	0.37190819	6.07E-10	6.75E-09	Bach1
ENSMUSG00000050088.9	1463.318143	0.522365761	6.07E-10	6.75E-09	RP24-221F4.2
ENSMUSG00000073468.11	2527.843652	0.425208675	6.11E-10	6.79E-09	Sft2d1
ENSMUSG00000029447.11	21991.39646	0.236934316	6.11E-10	6.80E-09	Cct6a
ENSMUSG00000034160.13	12075.1983	-0.274854713	6.14E-10	6.82E-09	Ogt
ENSMUSG00000069601.14	3753.578114	-0.363073599	6.14E-10	6.82E-09	Ank3
ENSMUSG00000004113.18	825.6134124	-0.695481122	6.16E-10	6.84E-09	Cacna1b
ENSMUSG00000037239.8	1759.184933	-0.530644954	6.29E-10	6.98E-09	Spred3
ENSMUSG00000026514.14	172.097921	-1.455949061	6.29E-10	6.98E-09	Cnih3

ENSMUSG00000028833.13	2642.332498	0.406709891	6.31E-10	6.99E-09	Ncdn
ENSMUSG00000028587.18	2017.175902	0.450863793	6.38E-10	7.06E-09	Orc1
ENSMUSG00000020766.4	9143.778418	-0.29690844	6.44E-10	7.13E-09	Galk1
ENSMUSG00000041685.16	2380.674887	-0.438278062	6.44E-10	7.13E-09	Fcho2
ENSMUSG00000035133.9	4586.833379	-0.451273178	6.57E-10	7.27E-09	Arhgap5
ENSMUSG00000074129.14	2823.007481	-0.461596472	6.60E-10	7.30E-09	Rpl13a
ENSMUSG00000009470.17	21448.70706	-0.301452153	6.64E-10	7.33E-09	Tnpo1
ENSMUSG00000030016.14	4662.89726	-0.398427425	6.67E-10	7.36E-09	Zfml
ENSMUSG00000031447.7	13887.85385	0.277477971	6.77E-10	7.48E-09	Lamp1
ENSMUSG00000017548.15	14061.57708	-0.262308111	6.78E-10	7.48E-09	Suz12
ENSMUSG00000000563.17	9815.46716	0.275790537	6.81E-10	7.51E-09	Atp5f1
ENSMUSG00000052572.17	212.2688223	-1.287178698	6.90E-10	7.60E-09	Dlg2
ENSMUSG00000042686.5	2542.331026	-0.42280027	6.98E-10	7.69E-09	Jph1
ENSMUSG00000064363.1	90524.91972	0.231024284	7.05E-10	7.77E-09	mt-Nd4
ENSMUSG00000037089.10	2021.840452	0.465872822	7.18E-10	7.90E-09	Slc35b2
ENSMUSG00000024845.17	1309.412499	0.576931038	7.19E-10	7.91E-09	Tmem134
ENSMUSG00000032477.14	5185.081237	0.326665904	7.22E-10	7.94E-09	Cdc25a
ENSMUSG00000046756.10	3476.516011	0.365122357	7.26E-10	7.97E-09	Mrps7
ENSMUSG00000056917.12	1133.847985	0.574516598	7.27E-10	7.99E-09	Sipa1
ENSMUSG00000021428.9	1957.205877	0.45384911	7.31E-10	8.02E-09	Riok1
ENSMUSG00000031629.14	776.1308072	0.685148794	7.35E-10	8.07E-09	Cenpu
ENSMUSG00000012429.9	883.3477306	-0.641823772	7.38E-10	8.10E-09	Mplkip
ENSMUSG00000041891.15	11643.36055	0.273115778	7.39E-10	8.10E-09	Lman1
ENSMUSG00000047694.12	1920.061106	-0.460331667	7.51E-10	8.22E-09	Yipf6
ENSMUSG000000102869.2	8650.921995	-0.308569145	7.68E-10	8.41E-09	RP24-114E18.8
ENSMUSG00000028410.13	12115.19127	0.278160762	7.78E-10	8.51E-09	Dnaja1
ENSMUSG00000022843.17	1294.202157	-0.542028456	7.80E-10	8.54E-09	Clcn2
ENSMUSG00000018442.13	4050.961296	0.368874972	7.93E-10	8.67E-09	Derl2
ENSMUSG00000051232.13	3178.360085	0.405498275	7.94E-10	8.67E-09	Tmem199
ENSMUSG00000074480.4	4548.785628	-0.353422254	8.00E-10	8.74E-09	Mex3a
ENSMUSG00000029599.13	5977.109628	0.305075785	8.01E-10	8.74E-09	Ddx54
ENSMUSG00000057182.14	738.2887403	-0.761406622	8.05E-10	8.79E-09	Scn3a
ENSMUSG00000032194.9	3413.472881	0.38317103	8.17E-10	8.90E-09	Kank2
ENSMUSG00000068165.3	4134.343582	0.34426085	8.23E-10	8.97E-09	RP23-48P22.4
ENSMUSG00000034724.18	1244.470709	-0.553912824	8.25E-10	8.99E-09	Cnot6l
ENSMUSG00000027881.14	6508.30724	-0.316846447	8.26E-10	8.99E-09	Prpf38b
ENSMUSG00000019978.16	5215.492019	-0.319022654	8.35E-10	9.09E-09	Epb41l2
ENSMUSG00000002768.7	2276.137925	0.449283658	8.64E-10	9.40E-09	Mea1
ENSMUSG00000058886.9	2601.641734	-0.425479787	8.64E-10	9.40E-09	Deaf1
ENSMUSG000000019470.12	3716.920138	0.359719578	8.74E-10	9.50E-09	Xab2
ENSMUSG00000024975.12	2389.441615	-0.469476255	8.76E-10	9.51E-09	Pdcd4
ENSMUSG00000009035.15	1722.515687	-0.480821128	8.76E-10	9.51E-09	Tmem184b
ENSMUSG00000031393.16	1563.913393	-0.502462938	8.79E-10	9.54E-09	Mecp2
ENSMUSG00000097709.8	974.4406557	-0.621908809	8.85E-10	9.60E-09	RP24-459P6.1
ENSMUSG00000028140.13	3190.873766	0.381526876	9.27E-10	1.01E-08	Mrpl9
ENSMUSG00000024807.17	2850.142868	0.405826878	9.28E-10	1.01E-08	Syvn1
ENSMUSG00000005951.13	217.1714609	1.306116899	9.33E-10	1.01E-08	Shpk
ENSMUSG00000033684.14	1963.219788	0.451045737	9.34E-10	1.01E-08	Qsox1
ENSMUSG00000031995.9	523.2863823	-0.82165009	9.54E-10	1.03E-08	St14
ENSMUSG00000051977.15	620.3593689	0.797075902	9.55E-10	1.03E-08	Prdm9
ENSMUSG00000022538.20	4111.89808	0.354575504	9.64E-10	1.04E-08	Lsg1
ENSMUSG00000025268.15	4156.203496	-0.354168603	9.74E-10	1.05E-08	Maged2
ENSMUSG00000047879.16	5147.887615	0.320826979	9.75E-10	1.05E-08	Usp14
ENSMUSG00000110218.1	55.8943008	3.037251258	9.74E-10	1.05E-08	RP23-421B5.3
ENSMUSG00000027610.17	1189.719612	0.603127286	9.79E-10	1.06E-08	Gss
ENSMUSG00000020280.12	2043.942822	-0.441760486	1.01E-09	1.09E-08	Pus10
ENSMUSG00000020623.11	731.590245	-0.781054627	1.04E-09	1.12E-08	Map2k6
ENSMUSG00000035770.8	2188.508816	0.457540671	1.04E-09	1.12E-08	Dync1li2
ENSMUSG00000073434.11	2130.274154	-0.438099632	1.05E-09	1.13E-08	Wdr90
ENSMUSG00000060519.11	1440.45928	-0.514933345	1.05E-09	1.13E-08	Tor3a
ENSMUSG00000072872.3	7947.784935	-0.280715726	1.06E-09	1.14E-08	Rybp
ENSMUSG00000014606.14	5023.121093	0.326081843	1.06E-09	1.14E-08	Slc25a11
ENSMUSG00000029060.17	1571.675821	-0.491944447	1.07E-09	1.15E-08	Mib2
ENSMUSG00000111092.1	53.33390764	6.644313981	1.09E-09	1.17E-08	RP24-131G14.5
ENSMUSG00000003184.15	1337.728256	0.529007028	1.11E-09	1.19E-08	Irf3
ENSMUSG00000030216.12	10190.18984	0.262899247	1.11E-09	1.19E-08	Wbp11
ENSMUSG00000053398.11	11426.52913	-0.263990762	1.12E-09	1.20E-08	Phgdh
ENSMUSG00000094526.1	1461.252923	-0.515345278	1.13E-09	1.21E-08	RP23-103I12.8
ENSMUSG00000028430.14	5741.83775	0.310689787	1.14E-09	1.22E-08	Nol6
ENSMUSG00000003444.8	905.1177996	0.630320201	1.14E-09	1.22E-08	Med29

ENSMUSG00000061601.15	354.5111067	-0.980853974	1.15E-09	1.23E-08	Pclo
ENSMUSG00000027475.9	1884.229439	0.487075129	1.16E-09	1.24E-08	Kif3b
ENSMUSG00000068200.6	4198.118205	0.343856873	1.16E-09	1.24E-08	RP23-130J1.5
ENSMUSG00000032249.14	15486.71409	-0.278798097	1.16E-09	1.24E-08	Anp32a
ENSMUSG00000068923.14	2159.769737	0.432010997	1.17E-09	1.25E-08	Syt11
ENSMUSG00000030718.9	3336.974312	-0.396124373	1.18E-09	1.26E-08	Ppme1
ENSMUSG00000006281.8	719.5602199	-0.732247104	1.19E-09	1.27E-08	Tep1
ENSMUSG00000029518.15	3873.044004	0.352401076	1.19E-09	1.27E-08	Rab35
ENSMUSG00000049804.9	17603.82423	-0.24189362	1.20E-09	1.27E-08	Armcx4
ENSMUSG00000032086.12	1570.062031	-0.517049965	1.20E-09	1.28E-08	Bace1
ENSMUSG00000024191.14	1348.862275	0.53107983	1.20E-09	1.28E-08	Bnip1
ENSMUSG00000056211.13	4558.257732	-0.341616171	1.21E-09	1.29E-08	R3hdm1
ENSMUSG00000029106.14	3738.234282	0.35627925	1.22E-09	1.29E-08	Add1
ENSMUSG00000001604.14	249.3307002	-1.195043931	1.24E-09	1.31E-08	Tcea3
ENSMUSG00000020721.16	8046.456277	-0.301334582	1.26E-09	1.34E-08	Helz
ENSMUSG00000044345.9	615.2678269	-0.789737744	1.29E-09	1.37E-08	Marveld1
ENSMUSG00000014856.12	1238.713157	0.550070439	1.31E-09	1.39E-08	Tmem208
ENSMUSG00000030400.17	1471.283764	0.513075821	1.31E-09	1.39E-08	Ercc2
ENSMUSG00000028098.13	2613.384141	0.398770044	1.37E-09	1.45E-08	Rnf115
ENSMUSG00000028899.11	949.3727516	0.619869463	1.38E-09	1.46E-08	Taf12
ENSMUSG00000042215.8	519.9927675	-0.808860024	1.42E-09	1.51E-08	Bag2
ENSMUSG00000025324.8	1777.1638	-0.481057175	1.42E-09	1.51E-08	Atp10a
ENSMUSG00000039838.11	373.9490249	-0.956363668	1.42E-09	1.51E-08	Slc45a1
ENSMUSG00000018593.13	16582.52208	-0.307355633	1.43E-09	1.51E-08	Sparc
ENSMUSG00000001750.15	1141.517048	-0.559892077	1.43E-09	1.52E-08	Tcirg1
ENSMUSG00000093979.8	972.2010279	-0.622590054	1.46E-09	1.54E-08	RP24-216A12.2
ENSMUSG00000016386.15	256.2329602	-1.160059172	1.46E-09	1.54E-08	Mpped2
ENSMUSG00000031202.5	276.8118706	-1.154927502	1.47E-09	1.55E-08	Rab39b
ENSMUSG00000020458.16	31663.54223	0.215838259	1.47E-09	1.55E-08	Rtn4
ENSMUSG00000030607.7	985.1183589	-0.63285267	1.48E-09	1.56E-08	Acan
ENSMUSG00000060487.7	320.4627629	-1.032675141	1.49E-09	1.57E-08	Samd5
ENSMUSG00000024286.7	3239.576519	-0.385365825	1.51E-09	1.59E-08	Ccny
ENSMUSG000000103672.1	88.6240892	2.246894935	1.52E-09	1.60E-08	WI1-198119.3
ENSMUSG00000033885.15	867.082101	-0.633316317	1.53E-09	1.61E-08	Pxk
ENSMUSG00000079042.10	634.9814809	-0.733158902	1.54E-09	1.63E-08	Apela
ENSMUSG00000026618.11	5029.337416	-0.320353367	1.55E-09	1.63E-08	Iars2
ENSMUSG00000096768.7	17664.9667	-0.283874249	1.58E-09	1.66E-08	Gm47283
ENSMUSG00000026604.17	2571.373587	-0.425305892	1.61E-09	1.69E-08	Ptpn14
ENSMUSG00000025142.18	2860.510712	0.384952111	1.61E-09	1.70E-08	Aspscr1
ENSMUSG00000036867.7	246.5400597	-1.165688807	1.63E-09	1.71E-08	Smad6
ENSMUSG00000028909.17	626.921376	-0.745176511	1.67E-09	1.75E-08	Ptpu
ENSMUSG00000020770.13	4304.344448	0.338028435	1.68E-09	1.77E-08	Unk
ENSMUSG00000030079.15	6427.494222	-0.297382147	1.69E-09	1.77E-08	Ruvbl1
ENSMUSG00000005886.14	3326.834751	-0.401519628	1.69E-09	1.77E-08	Ncoa2
ENSMUSG00000048402.14	474.860925	-0.850564997	1.69E-09	1.77E-08	Gli2
ENSMUSG00000106099.1	175.0427287	-1.593327589	1.69E-09	1.77E-08	RP23-235E15.6
ENSMUSG00000013419.7	399.3653556	-0.919933486	1.70E-09	1.78E-08	Zfp651
ENSMUSG00000046311.13	2572.490325	0.397593347	1.72E-09	1.80E-08	Zfp62
ENSMUSG00000027177.14	1363.698264	0.525018031	1.73E-09	1.80E-08	Hipk3
ENSMUSG00000049791.4	1150.355876	-0.576789585	1.73E-09	1.81E-08	Fzd4
ENSMUSG00000020248.18	2935.653798	-0.382167886	1.74E-09	1.81E-08	Nfyb
ENSMUSG00000031557.16	1068.424137	-0.671548106	1.76E-09	1.84E-08	Plekha2
ENSMUSG00000039759.10	740.976251	-0.681038555	1.77E-09	1.85E-08	Thap3
ENSMUSG00000039257.11	570.848137	-0.767803974	1.81E-09	1.89E-08	Vstm2b
ENSMUSG00000037935.16	7736.243938	-0.279228881	1.86E-09	1.94E-08	Smarce1
ENSMUSG00000028467.15	1786.284511	0.472327722	1.88E-09	1.95E-08	Gba2
ENSMUSG00000002814.15	2396.159535	0.425280412	1.88E-09	1.95E-08	Top3a
ENSMUSG00000034675.17	7623.672356	-0.306830847	1.91E-09	1.99E-08	Dbn1
ENSMUSG00000026211.17	3118.128463	-0.383672089	1.92E-09	1.99E-08	Obsl1
ENSMUSG00000004451.14	3112.483598	0.372336724	1.93E-09	2.01E-08	Ralb
ENSMUSG00000013822.7	2445.397653	0.404303996	1.94E-09	2.02E-08	Elof1
ENSMUSG00000028099.8	3149.031308	0.381221335	1.94E-09	2.02E-08	Polr3c
ENSMUSG00000015659.12	877.9058247	0.634525645	1.95E-09	2.03E-08	Serac1
ENSMUSG00000047721.8	3013.993167	0.433897007	1.95E-09	2.03E-08	Bola2
ENSMUSG00000043252.8	1768.038109	-0.459963307	1.99E-09	2.06E-08	Tmem64
ENSMUSG00000040703.11	429.1795296	-0.912323595	2.01E-09	2.08E-08	Cyp2s1
ENSMUSG00000030678.7	10292.73015	-0.263694483	2.02E-09	2.09E-08	Maz
ENSMUSG00000031751.14	4129.09137	-0.336531953	2.02E-09	2.09E-08	Amfr
ENSMUSG00000096488.1	463.8919037	-0.84957302	2.03E-09	2.11E-08	RP23-401J21.2
ENSMUSG00000040841.5	299.0028232	-1.088273969	2.04E-09	2.11E-08	Six5

ENSMUSG00000048164.9	2759.229046	0.406381686	2.05E-09	2.12E-08	RP23-383B20.3
ENSMUSG00000000555.8	2057.139322	-0.43598369	2.07E-09	2.14E-08	Itga5
ENSMUSG00000029313.18	2127.561581	-0.451351564	2.09E-09	2.16E-08	Aff1
ENSMUSG00000040675.17	5929.740501	-0.303893656	2.16E-09	2.24E-08	Mthfd11
ENSMUSG00000032513.8	1004.706727	0.595643748	2.20E-09	2.27E-08	Gorasp1
ENSMUSG00000046607.6	287.9067811	-1.096766206	2.27E-09	2.34E-08	Hrk
ENSMUSG00000029438.9	1796.198903	-0.456575337	2.27E-09	2.34E-08	Bcl7a
ENSMUSG00000030616.15	96.92476021	-1.934190841	2.31E-09	2.38E-08	Sytl2
ENSMUSG00000097248.9	126.5698959	1.666096522	2.31E-09	2.38E-08	RP23-433F5.1
ENSMUSG00000034259.8	1377.582474	0.523835222	2.34E-09	2.41E-08	Exosc4
ENSMUSG00000048490.14	1633.892918	-0.482596407	2.37E-09	2.44E-08	Nrip1
ENSMUSG00000032050.17	12684.00839	-0.253905019	2.39E-09	2.46E-08	Rdx
ENSMUSG00000045160.14	837.0455362	0.663540045	2.39E-09	2.46E-08	Bola3
ENSMUSG00000096904.7	550.3975805	-0.779065933	2.44E-09	2.51E-08	RP23-188F24.2
ENSMUSG00000024824.6	2006.128588	0.450175805	2.47E-09	2.54E-08	Rad9a
ENSMUSG00000079402.9	471.9389838	-0.837305847	2.47E-09	2.54E-08	RP24-547N23.2
ENSMUSG00000029802.13	4958.292247	-0.323267796	2.47E-09	2.54E-08	Abcg2
ENSMUSG00000004040.16	2318.209025	0.411358129	2.48E-09	2.54E-08	Stat3
ENSMUSG00000060992.9	4977.519671	0.314618391	2.48E-09	2.54E-08	Copz1
ENSMUSG00000053205.9	1732.115661	-0.486227119	2.49E-09	2.55E-08	Styx
ENSMUSG00000034731.10	622.3984547	-0.760791304	2.49E-09	2.55E-08	Dgkh
ENSMUSG00000097743.1	514.605446	0.813915653	2.50E-09	2.56E-08	RP23-121M22.10
ENSMUSG00000060166.6	743.0950075	-0.673697443	2.51E-09	2.57E-08	Zdhhc8
ENSMUSG00000050953.10	29261.6689	-0.215355257	2.56E-09	2.62E-08	Gja1
ENSMUSG00000052563.13	663.8156738	-0.734615123	2.59E-09	2.65E-08	RP23-79E13.6
ENSMUSG00000044902.7	108.7982347	1.917419761	2.62E-09	2.68E-08	Slc25a18
ENSMUSG00000079410.4	612.1966354	-0.759659665	2.63E-09	2.69E-08	RP23-338C22.1
ENSMUSG00000070284.10	634.3027741	0.725564863	2.66E-09	2.72E-08	Gmppb
ENSMUSG00000018379.17	20025.59796	-0.242137492	2.68E-09	2.74E-08	Srsf1
ENSMUSG00000001285.12	2310.189351	0.41089038	2.72E-09	2.77E-08	Myg1
ENSMUSG00000035486.14	291.7059908	-1.094416069	2.77E-09	2.83E-08	Plk5
ENSMUSG00000037572.17	3612.64188	-0.351896392	2.78E-09	2.83E-08	Wdhd1
ENSMUSG00000041840.7	1961.52737	0.453663871	2.79E-09	2.84E-08	Haus1
ENSMUSG00000066415.4	2832.015803	-0.394639155	2.82E-09	2.87E-08	Msl2
ENSMUSG00000021939.8	7061.43538	0.315106536	2.84E-09	2.90E-08	Ctsb
ENSMUSG00000069911.10	291.051878	-1.089699395	2.85E-09	2.90E-08	Fam196b
ENSMUSG00000028556.15	4413.835312	-0.368676264	2.85E-09	2.90E-08	Dock7
ENSMUSG00000035198.9	4891.414084	0.326267882	2.86E-09	2.91E-08	Tubg1
ENSMUSG00000051113.9	100.5224093	1.866158209	2.88E-09	2.92E-08	Fam71e1
ENSMUSG00000051007.15	1306.143753	0.538500184	2.89E-09	2.93E-08	Pddc1
ENSMUSG00000035506.16	49.97742935	2.928462851	2.90E-09	2.95E-08	Slc12a8
ENSMUSG00000030447.15	2626.705123	-0.393729637	2.94E-09	2.98E-08	Cyfp1
ENSMUSG00000057469.8	1847.267028	0.454124918	2.94E-09	2.98E-08	E2f6
ENSMUSG00000022656.15	10475.60639	0.256425116	2.94E-09	2.98E-08	Nectin3
ENSMUSG00000039546.9	439.2402451	-0.865733847	2.95E-09	2.98E-08	Ajap1
ENSMUSG00000028890.13	928.9107814	0.607063034	2.97E-09	3.00E-08	Mtf1
ENSMUSG00000039328.11	1116.350558	-0.583931049	2.97E-09	3.00E-08	Rnf122
ENSMUSG00000025402.12	624.4358368	-0.72427489	2.99E-09	3.02E-08	Nab2
ENSMUSG00000056121.15	1076.113243	0.581855652	3.00E-09	3.03E-08	Fez2
ENSMUSG00000066197.5	301.0060119	-1.05673751	3.01E-09	3.04E-08	Gpr139
ENSMUSG00000030516.14	7407.494469	-0.323072384	3.03E-09	3.06E-08	Tjp1
ENSMUSG00000017221.14	15513.05929	0.242682913	3.05E-09	3.08E-08	Psmc3
ENSMUSG00000035469.17	2354.383418	-0.404404248	3.06E-09	3.09E-08	Rcbtb1
ENSMUSG00000025574.13	2027.720607	-0.432899449	3.08E-09	3.11E-08	Tk1
ENSMUSG00000027287.14	2421.017148	0.445986522	3.10E-09	3.13E-08	Snap23
ENSMUSG00000047843.16	2728.674983	0.389187438	3.14E-09	3.17E-08	Bri3
ENSMUSG00000066026.14	458.1002711	-0.838866778	3.15E-09	3.18E-08	Dhrs3
ENSMUSG00000027996.13	2617.68732	-0.388339269	3.19E-09	3.21E-08	Sfrp2
ENSMUSG00000031792.15	1296.021145	0.570491979	3.19E-09	3.21E-08	Usb1
ENSMUSG00000065037.1	85.66220229	2.365299274	3.19E-09	3.21E-08	Rn7sk
ENSMUSG00000071112.12	92.62533764	1.95197028	3.21E-09	3.23E-08	Spx
ENSMUSG00000014867.9	10664.68212	0.255770346	3.22E-09	3.23E-08	Surf4
ENSMUSG00000034424.5	5358.303348	0.306623059	3.23E-09	3.25E-08	Gcsh
ENSMUSG00000029777.10	18104.72005	-0.240024277	3.25E-09	3.26E-08	Gars
ENSMUSG00000031949.17	2715.312367	-0.390710989	3.29E-09	3.31E-08	Adat1
ENSMUSG00000071748.2	1431.84638	-0.529437714	3.31E-09	3.32E-08	RP23-149C7.4
ENSMUSG00000070426.12	2317.613974	0.413819672	3.32E-09	3.33E-08	Rnf121
ENSMUSG00000035983.4	76.39579677	2.192794496	3.32E-09	3.33E-08	RP23-111F7.1
ENSMUSG00000001542.7	2783.688727	-0.412567351	3.34E-09	3.35E-08	Eil2
ENSMUSG00000037851.13	15344.35778	-0.250216926	3.39E-09	3.39E-08	lars

ENSMUSG00000046062.5	9820.864584	-0.259811497	3.43E-09	3.43E-08	Ppp1r15b
ENSMUSG00000010051.15	265.8491028	-1.126236774	3.43E-09	3.44E-08	Hyal1
ENSMUSG00000054793.8	1573.49118	0.499395884	3.44E-09	3.44E-08	Cadm4
ENSMUSG00000060989.8	1829.024113	-0.475943685	3.44E-09	3.44E-08	RP23-425K3.1
ENSMUSG00000004661.15	3057.199733	-0.38369073	3.45E-09	3.45E-08	Arid3b
ENSMUSG00000031823.14	1673.542179	0.502081834	3.47E-09	3.46E-08	Zdhc7
ENSMUSG00000042558.16	2169.927803	0.416905107	3.53E-09	3.52E-08	Adprh12
ENSMUSG00000027230.9	448.3631625	-0.913027687	3.56E-09	3.55E-08	Creb3l1
ENSMUSG00000058006.12	13749.38891	-0.312074724	3.59E-09	3.58E-08	Mdn1
ENSMUSG00000079884.6	6079.527432	0.294633294	3.59E-09	3.58E-08	RP23-312J21.1
ENSMUSG00000075304.2	117.2612184	-1.676780443	3.64E-09	3.62E-08	Sp5
ENSMUSG00000040006.13	1701.698656	0.482919624	3.64E-09	3.62E-08	Ginm1
ENSMUSG00000089715.12	4038.949266	-0.336407289	3.64E-09	3.63E-08	Cbx6
ENSMUSG00000083899.2	30707.59509	0.216931775	3.65E-09	3.63E-08	RP23-285D3.2
ENSMUSG00000019960.8	2250.873744	0.43275962	3.66E-09	3.64E-08	Dusp6
ENSMUSG00000020453.17	2429.876221	-0.407454464	3.66E-09	3.64E-08	Patz1
ENSMUSG00000041203.9	3609.539764	0.352987468	3.66E-09	3.64E-08	RP23-359B23.5
ENSMUSG00000021057.15	386.5582738	-0.929851765	3.68E-09	3.65E-08	Akap5
ENSMUSG00000036078.16	14166.92137	0.238704853	3.67E-09	3.65E-08	Sigmar1
ENSMUSG00000059518.14	1174.128573	0.553298851	3.69E-09	3.66E-08	Znhit1
ENSMUSG00000024678.6	490.6379836	-0.834849338	3.70E-09	3.67E-08	Ms4a4d
ENSMUSG00000060860.8	13397.80557	0.252642996	3.75E-09	3.72E-08	Ube2s
ENSMUSG00000039804.15	3391.07514	0.358647171	3.76E-09	3.73E-08	Ncoa5
ENSMUSG00000029337.2	409.6088913	-0.964060132	3.77E-09	3.73E-08	Fgf5
ENSMUSG00000039485.8	281.1877608	-1.108093025	3.78E-09	3.74E-08	Tsply4
ENSMUSG00000015451.16	136.9883785	-1.543351876	3.78E-09	3.74E-08	C4a
ENSMUSG00000034006.16	440.3860035	0.855644007	3.80E-09	3.76E-08	Pqlc1
ENSMUSG00000057551.10	5068.147886	-0.310051135	3.83E-09	3.78E-08	Zfp317
ENSMUSG00000109865.1	4173.850174	0.328263056	3.83E-09	3.78E-08	Hspa14
ENSMUSG00000019977.16	5535.068786	0.304929285	3.89E-09	3.84E-08	Hbs1l
ENSMUSG00000040423.10	3271.517041	0.413222772	3.92E-09	3.87E-08	Rc3h1
ENSMUSG00000066842.18	462.1410266	-0.868199258	3.92E-09	3.87E-08	Hmcn1
ENSMUSG00000002963.17	1843.244601	0.462108657	3.96E-09	3.91E-08	Pnkp
ENSMUSG00000035367.9	1613.426124	0.471063817	3.97E-09	3.91E-08	Rmi1
ENSMUSG00000010751.15	2176.152134	0.421342739	3.98E-09	3.92E-08	Tnfrsf22
ENSMUSG00000022089.9	442.7314932	0.877983856	3.99E-09	3.93E-08	Bin3
ENSMUSG00000025969.15	352.4517031	-1.00716137	3.99E-09	3.93E-08	Nrp2
ENSMUSG00000004056.15	3055.765543	0.367110253	4.00E-09	3.94E-08	Akt2
ENSMUSG00000055235.11	172.1225085	-1.367880548	4.02E-09	3.96E-08	Wdr86
ENSMUSG00000025867.8	404.5403786	-0.908506879	4.09E-09	4.02E-08	Cplx2
ENSMUSG00000044934.13	1453.540425	0.490209615	4.13E-09	4.06E-08	Zfp367
ENSMUSG00000033453.8	1227.10572	-0.531854886	4.17E-09	4.09E-08	Adamts15
ENSMUSG00000031839.7	3075.837208	0.372888761	4.18E-09	4.11E-08	Hsbp1
ENSMUSG00000014232.14	270.4687635	1.163345628	4.26E-09	4.18E-08	Cluap1
ENSMUSG00000041482.16	877.5585204	-0.612432263	4.26E-09	4.18E-08	Piezo2
ENSMUSG00000092384.7	341.0144472	-1.004713912	4.37E-09	4.28E-08	RP24-341K21.6
ENSMUSG00000023965.13	860.0845501	-0.675358499	4.37E-09	4.28E-08	Fbxl17
ENSMUSG00000020105.9	5268.061577	-0.301230993	4.39E-09	4.31E-08	Lrig3
ENSMUSG00000107810.1	358.3097699	0.950709237	4.43E-09	4.34E-08	RP24-363O21.8
ENSMUSG00000050271.12	1919.350029	-0.482349184	4.55E-09	4.46E-08	Prag1
ENSMUSG00000009863.14	6255.810848	0.294063211	4.74E-09	4.64E-08	Sdhb
ENSMUSG00000030685.5	1333.257828	0.514897655	4.75E-09	4.65E-08	Kctd13
ENSMUSG00000000384.15	6277.687236	0.288335403	4.75E-09	4.65E-08	Tbrg4
ENSMUSG00000019763.11	1207.861368	0.543135843	4.77E-09	4.66E-08	Rmnd1
ENSMUSG00000030990.18	860.8942418	-0.650796982	4.77E-09	4.66E-08	Pgap2
ENSMUSG00000033306.15	1283.455139	-0.555202998	4.77E-09	4.66E-08	Lpp
ENSMUSG00000096775.1	745.4499336	-0.660733462	4.78E-09	4.66E-08	RP23-45E20.1
ENSMUSG00000104597.1	48.81865655	2.966018292	4.80E-09	4.68E-08	RP24-68G17.4
ENSMUSG00000030123.15	2012.741186	-0.470272931	4.83E-09	4.71E-08	Plxnd1
ENSMUSG00000066107.6	4148.933942	-0.337067757	4.84E-09	4.72E-08	RP23-434B7.2
ENSMUSG00000032112.10	1996.393393	0.453843849	4.85E-09	4.72E-08	Trappc4
ENSMUSG0000006998.16	16893.26642	0.229702861	4.88E-09	4.75E-08	Psm2
ENSMUSG00000021670.14	26354.73499	0.22257912	4.88E-09	4.75E-08	Hmgcr
ENSMUSG00000021707.5	4005.378896	0.335055428	4.94E-09	4.80E-08	Dhfr
ENSMUSG00000029674.13	1779.055137	0.451723999	4.96E-09	4.82E-08	Limk1
ENSMUSG00000028982.9	1178.540792	0.538483634	5.00E-09	4.86E-08	Slc25a33
ENSMUSG00000026715.12	51.58112452	2.766025932	5.06E-09	4.91E-08	Serpinc1
ENSMUSG00000083327.1	15132.35029	0.239898563	5.06E-09	4.92E-08	Vcp-rs
ENSMUSG00000039770.5	807.7390247	0.67098661	5.12E-09	4.97E-08	Ypel5
ENSMUSG00000029108.14	526.3265675	-0.788473376	5.12E-09	4.97E-08	Pcdh7

ENSMUSG00000048574.9	3377.229865	0.357720996	5.15E-09	4.99E-08	AC102494.1
ENSMUSG00000031917.12	3072.800303	0.375826192	5.17E-09	5.02E-08	Nip7
ENSMUSG00000002222.14	6284.214272	-0.285674405	5.18E-09	5.02E-08	Rmnd5a
ENSMUSG00000021395.11	5004.184961	-0.326356291	5.18E-09	5.02E-08	Spin1
ENSMUSG00000063681.14	154.7257027	-1.444093336	5.27E-09	5.10E-08	Crb1
ENSMUSG00000005981.11	5627.999078	0.296812059	5.31E-09	5.13E-08	Trap1
ENSMUSG00000035376.10	2038.615802	0.448289137	5.31E-09	5.13E-08	Hacd2
ENSMUSG00000008036.11	2518.517382	0.410415503	5.38E-09	5.20E-08	Ap2s1
ENSMUSG00000034613.12	391.9078812	0.95675951	5.40E-09	5.22E-08	Ppm1h
ENSMUSG00000045767.9	3928.776126	-0.340031036	5.50E-09	5.31E-08	RP23-216P14.8
ENSMUSG00000097723.1	405.3502974	-0.946161215	5.52E-09	5.33E-08	Gm26848
ENSMUSG00000079562.7	5712.629349	0.313232634	5.52E-09	5.33E-08	Maea
ENSMUSG00000010663.4	15318.05849	-0.236649715	5.57E-09	5.38E-08	Fads1
ENSMUSG00000000489.7	139.3525174	-1.503910735	5.65E-09	5.45E-08	Pdgfb
ENSMUSG00000040025.17	3646.463827	0.355308541	5.95E-09	5.73E-08	Ythdf2
ENSMUSG00000053164.6	81.39273456	-2.103439486	5.99E-09	5.77E-08	Gpr12
ENSMUSG00000031636.7	443.077914	-0.836217148	6.05E-09	5.82E-08	Pdlim3
ENSMUSG00000034981.9	578.7857147	-0.74578167	6.07E-09	5.84E-08	Parm1
ENSMUSG00000030103.11	1778.252982	-0.528210222	6.20E-09	5.96E-08	Bhlhe40
ENSMUSG00000036568.6	1202.817362	-0.543205278	6.21E-09	5.97E-08	Bicral
ENSMUSG00000025790.14	346.2693331	-0.942013508	6.29E-09	6.05E-08	Sloc3a1
ENSMUSG00000050608.11	5181.770056	0.327535121	6.34E-09	6.09E-08	Minos1
ENSMUSG00000034757.15	1964.935694	0.43344433	6.35E-09	6.10E-08	Tmub2
ENSMUSG00000030111.9	3607.378337	-0.448256482	6.39E-09	6.13E-08	A2m
ENSMUSG00000028478.18	8590.012876	0.271397757	6.44E-09	6.18E-08	Clta
ENSMUSG00000044033.16	58.06284606	2.557700284	6.45E-09	6.18E-08	Ccdc141
ENSMUSG00000051285.17	3580.228531	-0.355351324	6.45E-09	6.18E-08	Pcmt1
ENSMUSG00000069020.9	1858.397417	0.438022985	6.49E-09	6.22E-08	Urm1
ENSMUSG00000073910.10	972.6331885	-0.613780024	6.58E-09	6.30E-08	Mob3b
ENSMUSG00000052727.6	8791.628888	-0.307901034	6.59E-09	6.30E-08	Map1b
ENSMUSG00000047443.14	557.4665621	-0.768332931	6.63E-09	6.35E-08	Fam132b
ENSMUSG00000019818.15	13624.06614	0.252609842	6.74E-09	6.45E-08	Cd164
ENSMUSG00000041815.14	5707.468177	0.302692039	6.78E-09	6.48E-08	Poldip3
ENSMUSG00000038453.16	916.4216849	-0.59527438	6.94E-09	6.64E-08	Srcin1
ENSMUSG00000039219.18	1992.660051	-0.461289818	6.96E-09	6.65E-08	Arid4b
ENSMUSG00000069014.4	2454.009407	-0.427921558	7.00E-09	6.69E-08	RP23-382K4.2
ENSMUSG00000030604.9	718.6540969	-0.680761469	7.02E-09	6.70E-08	Zfp626
ENSMUSG00000038156.16	1216.472177	-0.524052235	7.12E-09	6.80E-08	Spon1
ENSMUSG00000030407.2	721.8878491	0.665786171	7.16E-09	6.83E-08	Qpctl
ENSMUSG00000014243.5	755.8954235	0.675282771	7.20E-09	6.86E-08	Zswim7
ENSMUSG00000070997.4	56.09790576	2.710000572	7.25E-09	6.90E-08	RP23-218A4.8
ENSMUSG00000021823.10	13152.14666	-0.252675734	7.47E-09	7.11E-08	Vcl
ENSMUSG00000096740.8	413.4902825	0.873670924	7.46E-09	7.11E-08	Lbhd1
ENSMUSG00000040570.14	1141.995298	-0.545529161	7.48E-09	7.12E-08	Rundc3b
ENSMUSG00000005609.16	5110.626952	0.315421616	7.49E-09	7.13E-08	Ctr9
ENSMUSG00000022401.12	1634.39823	0.487231765	7.51E-09	7.14E-08	Xpnpep3
ENSMUSG00000022945.12	5514.769642	0.303195569	7.56E-09	7.19E-08	Chaf1b
ENSMUSG000000106350.2	34.58235649	4.145269924	7.59E-09	7.20E-08	RP23-307119.5
ENSMUSG00000035212.14	1867.35269	-0.445267312	7.62E-09	7.23E-08	Leprot
ENSMUSG00000011837.4	1130.305306	0.55079724	7.72E-09	7.32E-08	Snape2
ENSMUSG00000059713.12	1117.050392	0.559747028	7.74E-09	7.34E-08	Rcan3
ENSMUSG00000055980.2	225.8211333	-1.168936359	7.75E-09	7.35E-08	Irs1
ENSMUSG00000069565.12	7293.38162	-0.269499549	7.84E-09	7.43E-08	Dazap1
ENSMUSG00000029249.15	6163.553843	-0.310944207	7.88E-09	7.46E-08	Rest
ENSMUSG00000024740.9	31973.86525	-0.208060503	7.89E-09	7.47E-08	Ddb1
ENSMUSG00000034274.11	3575.079625	0.353281256	7.90E-09	7.48E-08	Thoc5
ENSMUSG00000067942.6	1499.219989	-0.505603197	8.06E-09	7.62E-08	Zfp160
ENSMUSG00000031072.14	679.253702	0.679385899	8.09E-09	7.65E-08	Oraov1
ENSMUSG00000028150.14	124.1813536	-1.63606779	8.10E-09	7.65E-08	Rorc
ENSMUSG00000032769.4	554.3976967	-0.752662306	8.11E-09	7.67E-08	Trpa1
ENSMUSG00000000263.15	90.50681657	-1.913434066	8.12E-09	7.67E-08	Gira1
ENSMUSG00000035262.5	71.55249135	2.331006468	8.16E-09	7.70E-08	Amh
ENSMUSG00000078789.9	1771.213907	0.442980782	8.16E-09	7.70E-08	Dph1
ENSMUSG00000050912.15	7011.653272	-0.27701973	8.17E-09	7.71E-08	Tmem123
ENSMUSG00000034614.14	678.2440218	-0.684878713	8.20E-09	7.73E-08	Pik3ip1
ENSMUSG00000020817.16	4578.215903	0.314958765	8.21E-09	7.74E-08	Rabep1
ENSMUSG00000032127.9	2331.670462	0.397874713	8.27E-09	7.79E-08	Vps11
ENSMUSG00000001229.8	3004.029665	0.363950918	8.36E-09	7.87E-08	Dpp9
ENSMUSG00000062937.7	6830.470594	0.277137652	8.39E-09	7.89E-08	Mtap
ENSMUSG00000020589.17	1203.497346	-0.565178327	8.39E-09	7.89E-08	Fam49a

ENSMUSG00000031904.5	5289.997747	-0.321757886	8.49E-09	7.98E-08	Slc7a6
ENSMUSG00000034509.8	603.2488575	0.725104029	8.51E-09	8.00E-08	Mad2l1bp
ENSMUSG00000017721.15	9178.399461	-0.25823489	8.62E-09	8.10E-08	Pigt
ENSMUSG00000004151.17	1337.461443	-0.516167831	8.77E-09	8.24E-08	Etv1
ENSMUSG00000031960.14	29229.89064	0.235026736	8.98E-09	8.43E-08	Aars
ENSMUSG00000029446.14	1932.612303	-0.43825966	9.00E-09	8.44E-08	Psph
ENSMUSG00000022973.18	1339.023325	0.502475362	9.04E-09	8.48E-08	Synj1
ENSMUSG00000032059.13	1769.327	0.473638422	9.08E-09	8.51E-08	Alg9
ENSMUSG00000020225.10	1988.349009	0.445761952	9.12E-09	8.54E-08	Tmbim4
ENSMUSG00000032537.15	780.6200309	0.685505225	9.21E-09	8.62E-08	Ephb1
ENSMUSG00000034295.9	1433.244833	-0.488381136	9.22E-09	8.63E-08	Fhod3
ENSMUSG00000064341.1	109969.5697	0.225192844	9.31E-09	8.71E-08	mt-Nd1
ENSMUSG00000042699.11	18586.28539	-0.226703874	9.43E-09	8.83E-08	Dhx9
ENSMUSG00000018415.14	4866.092452	-0.302838936	9.49E-09	8.87E-08	Gid4
ENSMUSG00000031986.6	1026.175473	0.581594757	9.52E-09	8.89E-08	Sprtn
ENSMUSG00000040613.14	548.871682	-0.780647323	9.53E-09	8.90E-08	Apobec1
ENSMUSG00000033430.10	1836.711361	0.439461991	9.61E-09	8.97E-08	Terf2ip
ENSMUSG00000058594.15	2649.943189	-0.374225692	9.68E-09	9.03E-08	Fbxo18
ENSMUSG00000048997.17	845.8864171	-0.615976344	9.75E-09	9.10E-08	Atxn7l2
ENSMUSG00000019173.11	4420.324252	0.325506856	9.81E-09	9.15E-08	Rab5c
ENSMUSG00000028397.13	3782.514371	-0.350895708	9.81E-09	9.15E-08	Kdm4c
ENSMUSG00000025995.16	4959.856872	0.30843647	9.83E-09	9.16E-08	Wdr75
ENSMUSG00000054079.12	6367.652686	0.279269688	1.00E-08	9.31E-08	Utp18
ENSMUSG00000026114.14	452.8448205	-0.854754246	1.01E-08	9.43E-08	Cnga3
ENSMUSG00000042814.8	795.9764671	0.64454283	1.01E-08	9.44E-08	Mcts2
ENSMUSG00000053801.18	3669.135063	0.335969622	1.01E-08	9.44E-08	Grwd1
ENSMUSG00000024145.6	1028.21077	0.561722826	1.02E-08	9.46E-08	Pigf
ENSMUSG00000061665.6	4706.362953	-0.354261438	1.02E-08	9.47E-08	Cd2ap
ENSMUSG00000025499.18	2466.133451	0.431596942	1.02E-08	9.51E-08	Hras
ENSMUSG00000027227.7	1732.825907	0.443397844	1.03E-08	9.61E-08	Sord
ENSMUSG00000022257.4	3825.283207	0.374597998	1.04E-08	9.61E-08	Laptm4b
ENSMUSG00000054850.4	384.846353	-0.881205496	1.04E-08	9.61E-08	Smim10l2a
ENSMUSG00000002043.17	1010.193259	0.576959846	1.04E-08	9.63E-08	Trappc6a
ENSMUSG00000102692.1	159.3156147	-1.399450699	1.04E-08	9.68E-08	Dchs2
ENSMUSG00000047459.14	2595.65697	0.39178063	1.05E-08	9.77E-08	Dynlrb1
ENSMUSG00000054226.13	2275.912058	0.399506704	1.07E-08	9.87E-08	Tprkb
ENSMUSG00000070565.11	1283.009641	-0.508007144	1.07E-08	9.92E-08	Rasal2
ENSMUSG00000024177.8	903.131827	-0.591732279	1.10E-08	1.02E-07	Nme4
ENSMUSG00000022817.15	9455.032796	-0.276395594	1.10E-08	1.02E-07	Itgb5
ENSMUSG00000031134.16	2434.532501	-0.407895815	1.11E-08	1.03E-07	RbmX
ENSMUSG00000002608.8	2195.18094	0.407214931	1.11E-08	1.03E-07	Ccdc97
ENSMUSG00000021692.9	1630.542561	-0.461810551	1.12E-08	1.03E-07	Dimt1
ENSMUSG00000024790.7	899.3350671	0.593565274	1.15E-08	1.06E-07	Sac3d1
ENSMUSG00000036026.15	3735.071974	-0.349730544	1.15E-08	1.06E-07	Tmem63b
ENSMUSG00000106273.1	106.8927002	-1.739148795	1.15E-08	1.06E-07	RP24-240P8.1
ENSMUSG00000022515.6	1372.452895	0.494488204	1.15E-08	1.06E-07	Anks3
ENSMUSG00000027194.16	1710.557668	0.486933416	1.16E-08	1.07E-07	Ttc17
ENSMUSG00000031166.13	573.6869103	-0.834335958	1.18E-08	1.08E-07	Wdr13
ENSMUSG00000031925.17	270.4680577	-1.048906987	1.19E-08	1.10E-07	Mam2
ENSMUSG00000039640.7	4776.360422	0.315890448	1.20E-08	1.10E-07	Mrpl12
ENSMUSG00000021969.8	3453.657072	-0.340587256	1.23E-08	1.13E-07	Zdhhc20
ENSMUSG00000039835.16	2584.656286	-0.381828959	1.24E-08	1.14E-07	Nhs1
ENSMUSG00000038485.5	3347.349108	0.361214356	1.25E-08	1.15E-07	Socs7
ENSMUSG00000039128.13	4385.894335	0.324498015	1.25E-08	1.15E-07	Cdc123
ENSMUSG00000021427.10	11152.74051	0.243099143	1.27E-08	1.17E-07	Ssr1
ENSMUSG00000032946.16	1157.921935	-0.570744799	1.28E-08	1.17E-07	Rasgrp2
ENSMUSG00000025377.14	1241.448164	0.511504644	1.28E-08	1.18E-07	Enthd2
ENSMUSG00000006019.15	1037.1353	-0.557789698	1.29E-08	1.18E-07	Dhx34
ENSMUSG00000030662.10	16182.89284	-0.222546457	1.30E-08	1.19E-07	lpo5
ENSMUSG00000004880.11	13656.43197	-0.256290633	1.30E-08	1.19E-07	Lbr
ENSMUSG00000026003.5	2380.554364	-0.38958108	1.31E-08	1.20E-07	Acadl
ENSMUSG00000105692.1	336.2700562	0.950376826	1.32E-08	1.21E-07	RP23-350K3.2
ENSMUSG00000040661.6	4492.772609	-0.369122576	1.33E-08	1.21E-07	Rad54l2
ENSMUSG00000037833.14	44.01590716	3.246090023	1.33E-08	1.22E-07	Sh2d4b
ENSMUSG00000023923.10	1006.846306	0.56975495	1.35E-08	1.24E-07	Tbc1d5
ENSMUSG00000023947.7	220.9934732	1.167027753	1.36E-08	1.24E-07	Nfkbie
ENSMUSG00000023994.13	2080.113723	-0.410506564	1.36E-08	1.24E-07	NfyA
ENSMUSG00000007989.7	3153.914731	-0.373515489	1.37E-08	1.25E-07	Fzd3
ENSMUSG00000108761.1	1050.661028	0.665038474	1.37E-08	1.25E-07	Atp6v0c-ps1
ENSMUSG00000006517.5	4328.000678	0.321960812	1.38E-08	1.26E-07	Mvd

ENSMUSG00000053581.13	565.2335369	0.756205912	1.40E-08	1.28E-07	Zfand2a
ENSMUSG00000020257.13	5410.742528	0.294776358	1.40E-08	1.28E-07	Wdr82
ENSMUSG00000021179.8	1037.030664	-0.55859152	1.40E-08	1.28E-07	Nrde2
ENSMUSG00000029385.14	2648.893963	-0.415550451	1.41E-08	1.28E-07	Ccng2
ENSMUSG00000027080.6	2132.955181	0.403112874	1.42E-08	1.29E-07	Med19
ENSMUSG00000028782.14	681.9902647	-0.692008299	1.42E-08	1.29E-07	Adgrb2
ENSMUSG00000024121.13	970.0604034	0.573907581	1.43E-08	1.30E-07	Atp6v0c
ENSMUSG00000083836.1	2942.624146	-0.380766438	1.44E-08	1.31E-07	Ldha-ps2
ENSMUSG00000019796.12	3029.121926	-0.358622424	1.44E-08	1.31E-07	Lrp11
ENSMUSG00000020785.17	327.5644039	0.975124969	1.45E-08	1.32E-07	Camkk1
ENSMUSG00000034653.11	1368.75241	-0.498962677	1.46E-08	1.32E-07	Ythdc2
ENSMUSG00000030533.15	1631.537301	0.454744947	1.46E-08	1.33E-07	Unc45a
ENSMUSG00000022463.8	34334.09712	0.208319097	1.47E-08	1.33E-07	Srebfb2
ENSMUSG00000032184.5	373.3377909	-0.905246737	1.48E-08	1.34E-07	Lysmd2
ENSMUSG00000075701.9	1952.949645	0.440141552	1.48E-08	1.34E-07	Vimp
ENSMUSG00000047786.12	450.3657133	-0.809758048	1.48E-08	1.35E-07	Lix1
ENSMUSG00000000976.13	2787.974812	0.363455354	1.49E-08	1.35E-07	Heatr6
ENSMUSG00000037275.14	8398.114822	-0.296925129	1.49E-08	1.35E-07	Gemin5
ENSMUSG00000040219.4	987.2103251	0.60911379	1.49E-08	1.35E-07	Ttc12
ENSMUSG00000064329.13	395.774073	-0.872277653	1.49E-08	1.35E-07	Scn1a
ENSMUSG00000020775.13	5669.425783	0.286572126	1.49E-08	1.35E-07	Mrpl38
ENSMUSG00000011114.18	4213.690521	0.321288213	1.50E-08	1.36E-07	Tbrg1
ENSMUSG00000037754.13	690.9642696	0.690613959	1.51E-08	1.36E-07	Ppp1r16b
ENSMUSG00000033272.12	2334.719061	0.3880946	1.53E-08	1.38E-07	Slc35a4
ENSMUSG00000059447.13	1537.93141	0.515349525	1.53E-08	1.39E-07	Hadhb
ENSMUSG00000051518.8	1425.332172	0.486095487	1.54E-08	1.39E-07	Rps19bp1
ENSMUSG00000056216.9	1850.788536	-0.431129873	1.55E-08	1.40E-07	Cebpg
ENSMUSG00000033318.7	504.4411349	0.766131528	1.56E-08	1.40E-07	Gstt2
ENSMUSG00000038805.10	97.16146296	-1.966983299	1.57E-08	1.42E-07	Six3
ENSMUSG00000027365.14	7633.61451	-0.269674302	1.60E-08	1.44E-07	Trpm7
ENSMUSG00000032796.7	1344.857376	-0.491401233	1.62E-08	1.46E-07	Lama1
ENSMUSG00000035764.5	2204.772992	0.419801927	1.62E-08	1.46E-07	Fbxo45
ENSMUSG00000054312.6	2008.820973	0.444195076	1.62E-08	1.46E-07	Mrps21
ENSMUSG00000080268.3	1356.171455	0.488277717	1.63E-08	1.47E-07	Brms1
ENSMUSG00000050700.11	871.4217919	-0.61920256	1.64E-08	1.48E-07	Emilin3
ENSMUSG00000031906.9	251.8098505	1.127857006	1.67E-08	1.50E-07	Smpd3
ENSMUSG00000055633.6	249.7814555	-1.109613245	1.72E-08	1.54E-07	Zfp580
ENSMUSG00000027509.11	4978.644672	0.319095038	1.73E-08	1.55E-07	Rae1
ENSMUSG00000108258.1	47.72796065	2.779369437	1.74E-08	1.56E-07	RP24-325P20.7
ENSMUSG00000020256.14	547.9537572	-0.739110531	1.78E-08	1.60E-07	Aldh1l2
ENSMUSG00000045176.3	402.0820116	0.896009384	1.78E-08	1.60E-07	Borcs6
ENSMUSG00000052957.8	408.283259	-0.849559438	1.78E-08	1.60E-07	Gas1
ENSMUSG00000022949.9	297.4933285	-0.994109595	1.80E-08	1.61E-07	Clic6
ENSMUSG00000038495.14	3441.285285	0.347658646	1.80E-08	1.62E-07	Otud7b
ENSMUSG00000028480.14	1523.180332	-0.492059276	1.81E-08	1.62E-07	Glipr2
ENSMUSG00000029752.12	13325.14527	-0.250285849	1.82E-08	1.63E-07	Asns
ENSMUSG00000020477.10	2522.62551	0.393888628	1.82E-08	1.63E-07	Mrps24
ENSMUSG00000002897.5	1271.277571	0.512980297	1.82E-08	1.63E-07	Il17ra
ENSMUSG00000113880.1	43.63383695	3.027539358	1.82E-08	1.63E-07	RP23-149C6.5
ENSMUSG00000009549.14	3421.896334	0.355178642	1.84E-08	1.64E-07	Srp14
ENSMUSG00000053838.14	7043.813971	0.265348851	1.85E-08	1.65E-07	Nudcd3
ENSMUSG00000007950.9	1745.432047	0.443324059	1.86E-08	1.66E-07	Abhd8
ENSMUSG00000049323.8	4402.663626	0.362166067	1.87E-08	1.67E-07	Smcr8
ENSMUSG00000034906.15	3422.36212	0.355487399	1.88E-08	1.68E-07	Ncaph
ENSMUSG00000045098.18	1648.251597	-0.484790085	1.88E-08	1.68E-07	Suv420h1
ENSMUSG00000051343.11	317.6608869	0.970248724	1.89E-08	1.68E-07	Rab11fip5
ENSMUSG00000044712.15	452.154401	0.811697299	1.92E-08	1.71E-07	Slc38a6
ENSMUSG00000044349.15	1938.503096	-0.43734383	1.93E-08	1.72E-07	Snhg11
ENSMUSG00000015341.17	3231.517961	0.365125173	1.94E-08	1.73E-07	Golga7
ENSMUSG00000022300.10	3747.621603	0.327658149	1.94E-08	1.73E-07	Dcaf13
ENSMUSG00000025940.6	1120.042099	-0.527272993	1.95E-08	1.73E-07	Tmem70
ENSMUSG00000031740.8	2753.368193	-0.388029148	1.95E-08	1.74E-07	Mmp2
ENSMUSG00000028708.16	985.5201417	0.557013576	1.97E-08	1.75E-07	Mknk1
ENSMUSG00000074657.5	1250.704802	0.50316304	2.02E-08	1.79E-07	Kif5a
ENSMUSG00000027746.13	1713.228898	0.436562917	2.02E-08	1.79E-07	Ufm1
ENSMUSG00000030298.10	5974.819407	0.280794325	2.02E-08	1.79E-07	Sec13
ENSMUSG00000040187.15	51.62251714	2.638745028	2.02E-08	1.80E-07	Arntl2
ENSMUSG00000061244.14	2443.575637	0.386841766	2.03E-08	1.80E-07	Exoc5
ENSMUSG00000022687.12	620.0347997	-0.706271643	2.08E-08	1.84E-07	Boc
ENSMUSG00000061950.17	3399.910911	-0.336131734	2.08E-08	1.85E-07	Ppp4r1

ENSMUSG00000044715.7	733.9326831	0.638725953	2.10E-08	1.86E-07	Gskip
ENSMUSG00000040688.16	4142.610513	0.313670397	2.11E-08	1.87E-07	Tbl3
ENSMUSG00000021458.17	1076.268297	-0.540927674	2.15E-08	1.91E-07	AC130827.2
ENSMUSG00000039195.4	517.1811216	0.750446815	2.16E-08	1.91E-07	RP23-161B9.10
ENSMUSG00000020476.14	5141.15399	0.29173239	2.17E-08	1.92E-07	Dbnl
ENSMUSG00000036916.13	2423.958063	-0.388764982	2.19E-08	1.94E-07	Zfp280c
ENSMUSG00000020246.13	383.6331694	0.879168919	2.20E-08	1.95E-07	Hcfc2
ENSMUSG00000017428.16	7856.74451	0.266350537	2.21E-08	1.95E-07	Psmid11
ENSMUSG00000021288.18	3325.27868	0.388125315	2.23E-08	1.97E-07	Klc1
ENSMUSG00000055884.8	2552.571707	0.38155002	2.27E-08	2.01E-07	Fancm
ENSMUSG00000084133.1	2136.786694	0.407515163	2.28E-08	2.02E-07	RP23-149E24.9
ENSMUSG00000040681.15	21565.72956	0.218331011	2.29E-08	2.02E-07	Hmgn1
ENSMUSG00000031918.16	3675.974762	0.325331745	2.33E-08	2.05E-07	Mtmr2
ENSMUSG00000094111.1	3284.492608	0.344235086	2.34E-08	2.06E-07	Nutf2-ps2
ENSMUSG00000024299.16	1700.983014	-0.435611224	2.35E-08	2.07E-07	Adamts10
ENSMUSG00000026028.12	2642.613637	0.391613429	2.35E-08	2.07E-07	Trak2
ENSMUSG00000050714.9	875.5928615	-0.605110533	2.36E-08	2.08E-07	Zbtb26
ENSMUSG00000026434.12	17406.80768	-0.232160159	2.37E-08	2.09E-07	Nucks1
ENSMUSG00000079225.3	17075.51429	0.232685687	2.38E-08	2.10E-07	RP24-290P19.4
ENSMUSG00000018677.9	7264.895612	0.287139642	2.39E-08	2.10E-07	Slc25a39
ENSMUSG00000030323.13	1639.531503	-0.44180788	2.40E-08	2.11E-07	lft122
ENSMUSG00000022476.8	1667.474818	0.456233514	2.43E-08	2.14E-07	Polr3h
ENSMUSG00000026159.13	4690.258891	-0.32478074	2.43E-08	2.14E-07	Afg1
ENSMUSG00000034707.7	6555.146499	0.278641404	2.43E-08	2.14E-07	Gns
ENSMUSG00000054889.10	734.0935111	-0.729428465	2.44E-08	2.14E-07	Dsp
ENSMUSG00000051235.10	1709.104082	0.442559348	2.45E-08	2.15E-07	Gen1
ENSMUSG00000075359.2	1114.748526	0.533951448	2.45E-08	2.15E-07	RP24-571D15.1
ENSMUSG00000032606.7	1084.056398	0.543496767	2.46E-08	2.16E-07	Nicn1
ENSMUSG00000010045.2	1917.15844	0.417281337	2.48E-08	2.17E-07	Tmem115
ENSMUSG00000047003.15	1814.607129	-0.422566752	2.53E-08	2.22E-07	Zfp41
ENSMUSG00000015222.17	524.0204275	-0.782189464	2.54E-08	2.23E-07	Map2
ENSMUSG00000002983.17	240.9158587	1.105709919	2.56E-08	2.24E-07	Relb
ENSMUSG000000109157.1	39.63727071	3.174188819	2.58E-08	2.26E-07	RP24-439I22.8
ENSMUSG00000048027.8	1183.547755	-0.507988516	2.59E-08	2.27E-07	Rgmb
ENSMUSG00000022797.16	24570.27016	0.216596226	2.61E-08	2.28E-07	Tfrc
ENSMUSG00000039530.17	3720.655486	0.361118135	2.61E-08	2.28E-07	Tusc3
ENSMUSG00000006418.17	4350.782831	0.311880795	2.62E-08	2.29E-07	Rnf114
ENSMUSG000000112280.1	135.7124969	-1.453172017	2.62E-08	2.29E-07	RP24-347C6.4
ENSMUSG00000028465.16	6542.862628	0.290651798	2.62E-08	2.29E-07	Tln1
ENSMUSG000000027858.13	2337.652755	-0.402711045	2.63E-08	2.29E-07	Tspan2
ENSMUSG00000064208.6	1958.586544	0.410195844	2.74E-08	2.39E-07	RP24-217L12.2
ENSMUSG00000026811.18	900.6281894	-0.600939948	2.74E-08	2.39E-07	St6galnac6
ENSMUSG00000037526.7	1647.497794	0.453145977	2.88E-08	2.51E-07	Atg14
ENSMUSG00000028797.20	3816.99803	-0.32304955	2.89E-08	2.52E-07	Tmem234
ENSMUSG00000049411.14	271.5186196	-1.057903066	2.89E-08	2.52E-07	Tmem241
ENSMUSG00000020777.16	1621.066124	0.449757811	2.92E-08	2.54E-07	Acox1
ENSMUSG00000004535.12	4747.294143	0.298157774	2.94E-08	2.56E-07	Tax1bp1
ENSMUSG00000023007.15	3339.182172	0.365668089	2.95E-08	2.56E-07	Prpf40b
ENSMUSG00000039316.14	794.1218195	-0.605216505	2.94E-08	2.56E-07	Rftn1
ENSMUSG00000078676.9	7398.421379	0.261266361	2.97E-08	2.58E-07	Casc3
ENSMUSG00000097769.7	1700.021781	-0.484458071	2.98E-08	2.59E-07	Shhg4
ENSMUSG00000044617.8	2681.8761	0.361995746	2.99E-08	2.59E-07	Zbtb39
ENSMUSG00000020076.7	2646.746064	0.370826893	3.00E-08	2.60E-07	Ddx50
ENSMUSG00000021072.12	5830.997539	0.312261648	3.03E-08	2.63E-07	Tmx1
ENSMUSG00000004562.16	1387.187446	-0.474763242	3.04E-08	2.63E-07	Arhgef40
ENSMUSG00000004667.18	5802.585149	0.279798038	3.04E-08	2.63E-07	Polr2e
ENSMUSG00000028933.11	1126.023801	-0.527361083	3.05E-08	2.64E-07	Xrcc2
ENSMUSG00000021501.4	846.4484249	0.592450487	3.07E-08	2.66E-07	Cam1
ENSMUSG00000021636.15	432.1547815	-0.815921305	3.08E-08	2.66E-07	Marveld2
ENSMUSG00000029458.14	1453.381185	0.468954949	3.08E-08	2.66E-07	Brap
ENSMUSG00000037628.10	630.6989577	0.694338973	3.08E-08	2.66E-07	Cdkn3
ENSMUSG00000035890.9	5189.543611	0.286560104	3.11E-08	2.69E-07	Rnf126
ENSMUSG00000078813.3	495.6306869	0.75872868	3.12E-08	2.69E-07	Leng1
ENSMUSG00000084215.3	4827.574756	-0.30829105	3.12E-08	2.70E-07	RP23-172G14.1
ENSMUSG00000044496.6	5508.219853	0.290105247	3.12E-08	2.70E-07	RP23-406N5.7
ENSMUSG00000026854.16	817.4523979	0.603982368	3.15E-08	2.72E-07	Usp20
ENSMUSG00000015342.6	954.0308096	-0.587705757	3.15E-08	2.72E-07	Xk
ENSMUSG00000051331.15	388.9042862	-0.855440609	3.18E-08	2.74E-07	Cacna1c
ENSMUSG00000034156.16	290.5226283	-1.047688781	3.18E-08	2.74E-07	Bzap1
ENSMUSG00000021270.13	85220.75212	0.192667681	3.19E-08	2.75E-07	Hsp90aa1

ENSMUSG00000038954.14	591.0915379	-0.703866254	3.22E-08	2.78E-07	Supt3
ENSMUSG00000031342.17	515.195144	-0.778845235	3.23E-08	2.78E-07	Gpm6b
ENSMUSG00000058073.4	231.3985808	1.103436612	3.22E-08	2.78E-07	RP23-337J7.2
ENSMUSG00000046318.15	230.7959375	-1.098957815	3.31E-08	2.85E-07	Ccbe1
ENSMUSG00000021048.7	24793.2021	-0.208655917	3.31E-08	2.85E-07	Mthfd1
ENSMUSG00000025207.15	1187.932477	-0.544193098	3.35E-08	2.88E-07	Sema4g
ENSMUSG00000006356.10	1728.417908	0.435378337	3.40E-08	2.92E-07	Crip2
ENSMUSG00000042066.15	646.8592088	-0.67066101	3.43E-08	2.94E-07	Tmcc2
ENSMUSG00000055675.6	267.5363153	-1.056000053	3.43E-08	2.94E-07	Kbtbd11
ENSMUSG00000068479.5	3544.822168	0.366714641	3.43E-08	2.94E-07	Mfap1a
ENSMUSG00000031329.4	40.63014135	3.105325168	3.47E-08	2.98E-07	Tsx
ENSMUSG00000039461.12	248.8048625	1.063333119	3.49E-08	3.00E-07	Tcta
ENSMUSG00000032333.6	905.9303575	0.577496739	3.50E-08	3.00E-07	Stoml1
ENSMUSG00000103034.1	15275.50227	0.246981924	3.58E-08	3.07E-07	RP23-478I18.1
ENSMUSG00000049106.7	1709.329121	0.445186524	3.62E-08	3.10E-07	Dcaf5
ENSMUSG00000016946.5	3607.887121	0.32083257	3.63E-08	3.11E-07	Kctd5
ENSMUSG000000104222.1	3319.037054	-0.387245489	3.66E-08	3.14E-07	RP23-349K15.2
ENSMUSG00000031169.13	424.2744236	-0.892659686	3.67E-08	3.14E-07	Porcn
ENSMUSG00000033706.13	4896.099113	0.289990729	3.77E-08	3.22E-07	Smyd5
ENSMUSG00000023075.9	2527.374644	0.366215232	3.80E-08	3.25E-07	Akirin1
ENSMUSG00000026853.15	935.7968029	0.583431476	3.83E-08	3.28E-07	Crat
ENSMUSG00000028914.13	2131.993777	0.393458236	3.84E-08	3.28E-07	Casp9
ENSMUSG00000038776.13	630.0124654	0.716027026	3.86E-08	3.30E-07	Ephx1
ENSMUSG00000032253.13	6431.401498	-0.368151074	3.89E-08	3.32E-07	Phip
ENSMUSG00000044167.6	1387.288032	-0.484342686	3.96E-08	3.38E-07	Foxo1
ENSMUSG00000067629.13	1908.347487	-0.410390314	3.97E-08	3.39E-07	Syngap1
ENSMUSG00000021252.11	3094.14976	0.339764837	3.98E-08	3.39E-07	RP23-43G12.1
ENSMUSG00000028643.11	738.1396001	0.623667422	3.98E-08	3.39E-07	Svbp
ENSMUSG00000048429.10	1252.210049	0.527276617	3.98E-08	3.39E-07	Timm29
ENSMUSG00000003721.14	1395.164148	-0.5046861	3.99E-08	3.40E-07	Insig2
ENSMUSG00000029189.10	244.3296654	-1.064476665	4.04E-08	3.44E-07	Sel1l3
ENSMUSG00000036282.15	2961.677225	-0.383011891	4.04E-08	3.44E-07	Naa30
ENSMUSG00000029211.11	254.9219769	-1.07891045	4.07E-08	3.46E-07	Gabra4
ENSMUSG00000043067.15	5541.091755	-0.282268389	4.09E-08	3.48E-07	Dpy19l1
ENSMUSG00000102030.1	39.54564504	3.159905182	4.10E-08	3.48E-07	RP24-392D11.2
ENSMUSG00000035964.8	1425.195037	0.488845462	4.10E-08	3.48E-07	Tmem59l
ENSMUSG00000030682.4	3591.2739	0.337944092	4.13E-08	3.51E-07	Cdlipt
ENSMUSG00000040097.16	3706.286997	0.320314414	4.15E-08	3.53E-07	Flywch1
ENSMUSG00000026643.16	5587.062426	-0.286954012	4.23E-08	3.59E-07	Nmt2
ENSMUSG00000018451.6	776.5243718	-0.60632463	4.26E-08	3.62E-07	RP23-83I13.10
ENSMUSG00000022195.7	2697.028376	-0.35656679	4.29E-08	3.64E-07	RP23-354M9.1
ENSMUSG00000048856.9	94.47609553	1.838555368	4.30E-08	3.65E-07	Slc25a47
ENSMUSG00000034320.14	2528.683849	0.38017963	4.37E-08	3.70E-07	Slc26a2
ENSMUSG00000052144.8	9022.57867	-0.256323142	4.37E-08	3.70E-07	Ppp4r2
ENSMUSG00000052852.8	633.4247344	-0.677043031	4.37E-08	3.70E-07	Reep1
ENSMUSG00000036402.13	2063.630711	-0.398230813	4.40E-08	3.72E-07	Gng12
ENSMUSG00000109122.1	31.51046138	5.27791067	4.44E-08	3.76E-07	RP24-439I22.9
ENSMUSG00000044847.13	1431.575402	-0.502821411	4.46E-08	3.77E-07	Lsm11
ENSMUSG00000021782.14	2080.156693	-0.410799206	4.48E-08	3.78E-07	Dlg5
ENSMUSG00000032388.7	1683.981028	0.451330923	4.50E-08	3.81E-07	Spg21
ENSMUSG00000037752.4	463.4805587	0.775860584	4.57E-08	3.86E-07	Xkr8
ENSMUSG00000025041.16	1082.813848	0.543898746	4.58E-08	3.87E-07	Nt5c2
ENSMUSG00000034551.12	1044.840585	-0.564859644	4.62E-08	3.90E-07	Hdx
ENSMUSG00000034187.18	4792.057541	0.30822063	4.62E-08	3.90E-07	Nsf
ENSMUSG00000026553.17	10754.06539	0.250878989	4.67E-08	3.94E-07	Copa
ENSMUSG00000091144.2	169.2842586	1.301189212	4.69E-08	3.96E-07	Phf11d
ENSMUSG00000032816.15	658.6266216	-0.675192022	4.73E-08	3.99E-07	Igdcc4
ENSMUSG00000033411.16	3078.202285	0.366174333	4.76E-08	4.01E-07	Ctdspl2
ENSMUSG00000031360.14	2611.526784	-0.363677345	4.83E-08	4.07E-07	Ctps2
ENSMUSG00000027478.15	33849.00497	-0.215401426	4.84E-08	4.08E-07	Dnmt3b
ENSMUSG00000029022.18	3134.405128	0.364596421	4.84E-08	4.08E-07	Miip
ENSMUSG00000031546.6	2898.066923	0.368321052	4.88E-08	4.10E-07	Gins4
ENSMUSG00000028358.15	493.9269109	-0.748153633	4.94E-08	4.15E-07	Zfp618
ENSMUSG00000020700.11	3868.570492	0.328302022	4.94E-08	4.16E-07	Map3k3
ENSMUSG00000032558.19	2004.59011	-0.399736198	4.98E-08	4.18E-07	Nphp3
ENSMUSG00000016179.11	253.4585524	-1.032832444	5.01E-08	4.21E-07	Camk1g
ENSMUSG00000040231.16	76.1042635	1.988300466	5.05E-08	4.24E-07	Syng4
ENSMUSG00000030302.16	251.5618701	-1.052436609	5.06E-08	4.24E-07	Atp2b2
ENSMUSG00000020590.16	1582.689648	0.438577001	5.08E-08	4.26E-07	Snx13
ENSMUSG00000027829.15	2393.039822	-0.372214409	5.08E-08	4.26E-07	Ccnl1

ENSMUSG00000047712.8	345.4351142	-0.89350234	5.08E-08	4.26E-07	Ust
ENSMUSG00000065911.1	59.39026037	2.599120753	5.08E-08	4.26E-07	Gm24447
ENSMUSG00000071654.5	650.4059564	0.674548998	5.13E-08	4.30E-07	Uqcc3
ENSMUSG00000020515.13	4719.17916	0.296020014	5.14E-08	4.30E-07	Cnot8
ENSMUSG00000037287.15	1774.336355	0.420715393	5.15E-08	4.31E-07	Tbcel
ENSMUSG00000028937.14	2535.018513	0.367147678	5.19E-08	4.34E-07	Acot7
ENSMUSG00000046694.6	358.1905452	0.939444219	5.22E-08	4.37E-07	Fam46b
ENSMUSG00000065824.1	58.64800247	2.632288487	5.23E-08	4.37E-07	Gm26315
ENSMUSG00000049739.10	3540.766287	-0.336362846	5.24E-08	4.38E-07	Zfp646
ENSMUSG00000094091.3	62.91021335	2.221290448	5.24E-08	4.38E-07	RP23-244C22.6
ENSMUSG00000026950.17	228.8002505	1.11538172	5.25E-08	4.39E-07	Neb
ENSMUSG00000025899.14	1422.405677	-0.457656051	5.28E-08	4.41E-07	Alkbh8
ENSMUSG00000043024.6	3120.094429	0.338160237	5.29E-08	4.42E-07	RP24-266P6.9
ENSMUSG00000047731.17	4227.391375	0.303106142	5.32E-08	4.44E-07	Wbp1l
ENSMUSG00000095123.1	1131.901356	0.508284247	5.32E-08	4.44E-07	RP24-538B17.1
ENSMUSG00000034336.3	942.0402956	0.571605704	5.36E-08	4.47E-07	Ina
ENSMUSG00000026017.13	310.7099405	0.949746144	5.37E-08	4.47E-07	Carf
ENSMUSG00000029066.12	3110.419061	0.359656593	5.37E-08	4.47E-07	Mrpl20
ENSMUSG00000053436.14	4778.198528	0.297679106	5.37E-08	4.47E-07	Mapk14
ENSMUSG00000043207.10	3839.967972	0.322564738	5.38E-08	4.48E-07	Zmpste24
ENSMUSG00000032939.14	6459.385333	0.267143236	5.39E-08	4.49E-07	Nup93
ENSMUSG00000005667.8	8696.977303	-0.253523132	5.40E-08	4.49E-07	Mthfd2
ENSMUSG00000039130.18	3526.189362	0.337659931	5.42E-08	4.51E-07	Zc3hc1
ENSMUSG00000021686.6	3348.738856	-0.331178403	5.49E-08	4.57E-07	Ap3b1
ENSMUSG00000032280.16	5663.376044	0.275395112	5.53E-08	4.59E-07	Tle3
ENSMUSG00000019437.17	1443.237293	-0.495349804	5.64E-08	4.68E-07	Tlcd1
ENSMUSG00000028601.18	1217.223223	-0.536179227	5.64E-08	4.68E-07	Echdc2
ENSMUSG00000001700.9	1056.958786	0.527389434	5.65E-08	4.69E-07	Gramd3
ENSMUSG00000026594.14	2787.152807	-0.34871655	5.66E-08	4.69E-07	Ralgps2
ENSMUSG00000037197.11	6417.582285	0.302215332	5.67E-08	4.70E-07	Rbm17
ENSMUSG00000028409.11	5494.144727	0.279569019	5.78E-08	4.79E-07	Smu1
ENSMUSG00000035476.9	1228.463419	0.51256713	5.78E-08	4.79E-07	Tab3
ENSMUSG00000016541.10	5106.413182	0.303569582	5.83E-08	4.83E-07	Atxn10
ENSMUSG00000035242.15	18202.79466	0.224471438	5.83E-08	4.83E-07	Oaz1
ENSMUSG00000063694.5	9126.390323	0.256748872	5.84E-08	4.83E-07	Cycs
ENSMUSG00000087497.7	274.2523791	1.027505069	5.85E-08	4.84E-07	RP23-78H18.2
ENSMUSG00000022812.14	3976.595494	-0.311849307	5.93E-08	4.90E-07	Gsk3b
ENSMUSG00000044250.8	1090.216858	-0.514893081	5.94E-08	4.91E-07	Pced1b
ENSMUSG00000058498.12	259.6141493	-1.015445243	5.96E-08	4.93E-07	Rnf207
ENSMUSG00000022951.16	1453.330764	0.474378688	6.01E-08	4.97E-07	Rcan1
ENSMUSG00000025153.9	86971.26886	0.214757267	6.02E-08	4.97E-07	Fasn
ENSMUSG00000022008.4	634.6596678	-0.66460939	6.07E-08	5.01E-07	Gpalpp1
ENSMUSG00000093985.7	698.5935115	-0.641194818	6.12E-08	5.05E-07	RP23-304L22.3
ENSMUSG00000106290.1	208.5654948	-1.150890344	6.17E-08	5.09E-07	RP24-349N15.4
ENSMUSG00000034765.6	435.6646759	0.794596193	6.22E-08	5.13E-07	Dusp5
ENSMUSG00000048897.15	1349.163222	-0.484980911	6.26E-08	5.16E-07	Zfp710
ENSMUSG00000018326.9	9817.206017	0.23919706	6.27E-08	5.16E-07	Ywhab
ENSMUSG00000057219.11	248.7088158	1.05143434	6.47E-08	5.33E-07	Armc7
ENSMUSG00000105175.1	668.8241334	-0.637863263	6.52E-08	5.37E-07	RP23-316M11.8
ENSMUSG00000013833.15	1804.705777	0.412009653	6.77E-08	5.57E-07	Med16
ENSMUSG00000030878.11	1201.038362	0.496114376	6.85E-08	5.63E-07	Cdr2
ENSMUSG00000028163.17	1210.573567	-0.491008014	6.87E-08	5.65E-07	Nfkb1
ENSMUSG00000021595.18	11671.50885	0.228955671	6.92E-08	5.69E-07	Nsun2
ENSMUSG00000079084.10	876.5477149	0.607086461	6.93E-08	5.70E-07	Ccdc82
ENSMUSG00000038550.10	398.6508788	-0.843901767	6.95E-08	5.71E-07	Ciart
ENSMUSG00000059970.7	580.1811063	0.682438208	7.02E-08	5.77E-07	Hspa2
ENSMUSG00000039810.11	1169.758344	0.535020662	7.08E-08	5.81E-07	Zc3h10
ENSMUSG00000042742.7	1625.289873	-0.440721603	7.12E-08	5.84E-07	RP23-343E20.2
ENSMUSG00000033491.13	209.6244287	-1.218786958	7.18E-08	5.89E-07	Prss35
ENSMUSG00000050052.12	340.419005	0.979320127	7.26E-08	5.95E-07	Tdrp
ENSMUSG00000051413.7	1905.510199	0.415995022	7.30E-08	5.98E-07	Plagl2
ENSMUSG00000032512.7	2220.404457	-0.387955945	7.41E-08	6.07E-07	Wdr48
ENSMUSG00000091020.3	328.4506401	0.944710693	7.50E-08	6.14E-07	RP23-470P10.2
ENSMUSG00000032590.14	2912.742409	0.342485565	7.52E-08	6.16E-07	Apeh
ENSMUSG00000027012.15	4781.105356	0.298312024	7.56E-08	6.18E-07	Dync1i2
ENSMUSG00000037577.12	61.20461387	2.345315801	7.56E-08	6.19E-07	Ephx3
ENSMUSG00000004788.11	4686.317522	0.287692392	7.60E-08	6.21E-07	Eif2b2
ENSMUSG00000010064.15	1430.718937	-0.494095209	7.62E-08	6.23E-07	Slc38a3
ENSMUSG00000035954.10	811.5493968	-0.587809832	7.70E-08	6.29E-07	Dock4
ENSMUSG00000072501.5	1712.478352	-0.450205763	7.75E-08	6.33E-07	Phf201l

ENSMUSG00000004849.14	2000.249275	0.394855448	7.82E-08	6.38E-07	Ap1s1
ENSMUSG000000030595.15	1810.078561	0.409599686	7.82E-08	6.38E-07	Nfkbib
ENSMUSG000000027905.15	2225.567212	0.380414383	7.82E-08	6.38E-07	Ddx20
ENSMUSG000000114610.1	34.93603487	6.028754312	7.83E-08	6.38E-07	Cyp2c52-ps
ENSMUSG000000062470.10	57.27111911	2.374217319	7.99E-08	6.52E-07	Fbxl12os
ENSMUSG000000022533.14	14153.93885	-0.266481905	8.00E-08	6.52E-07	Atp13a3
ENSMUSG000000026204.15	793.5438193	-0.609530721	8.01E-08	6.52E-07	Ptpn
ENSMUSG000000019989.8	22972.22196	-0.21755884	8.04E-08	6.55E-07	Enpp3
ENSMUSG000000041740.16	13106.73549	0.21916419	8.08E-08	6.58E-07	Rnf10
ENSMUSG000000035078.6	2981.216168	0.337380986	8.14E-08	6.62E-07	Mtmr9
ENSMUSG000000020430.12	12610.14175	0.221606091	8.17E-08	6.64E-07	Pes1
ENSMUSG000000026399.12	416.9181378	-0.823176633	8.17E-08	6.65E-07	Cd55
ENSMUSG000000048222.3	3127.001559	0.359050946	8.26E-08	6.71E-07	Mfap1b
ENSMUSG00000001280.13	7327.150959	-0.264064341	8.26E-08	6.71E-07	Sp1
ENSMUSG000000029462.18	3725.573021	0.32718414	8.26E-08	6.71E-07	Vps29
ENSMUSG000000064351.1	573603.4322	0.204929827	8.27E-08	6.72E-07	mt-Co1
ENSMUSG0000000383261.4	4744.27669	0.298970469	8.28E-08	6.72E-07	AC144779.1
ENSMUSG000000038351.14	1394.985651	-0.477646875	8.30E-08	6.74E-07	Sgsm2
ENSMUSG000000021486.7	10810.46299	0.248633065	8.34E-08	6.76E-07	Preld1
ENSMUSG000000027364.14	573.6959721	0.723953267	8.38E-08	6.80E-07	Usp50
ENSMUSG000000024683.5	1548.008964	0.445739056	8.45E-08	6.85E-07	Mrpl16
ENSMUSG000000020328.10	6331.529052	0.274037715	8.46E-08	6.86E-07	Nudcd2
ENSMUSG00000004393.10	6734.265865	0.261921936	8.47E-08	6.86E-07	Ddx56
ENSMUSG000000040548.16	2774.271538	0.349648108	8.53E-08	6.90E-07	Tex2
ENSMUSG000000034591.5	276.5452192	-1.01749334	8.65E-08	7.00E-07	Slc41a2
ENSMUSG000000071337.11	4538.714978	-0.301949547	8.65E-08	7.00E-07	Tia1
ENSMUSG000000096793.7	461.9471794	-0.77193634	8.66E-08	7.01E-07	RP24-366D9.1
ENSMUSG000000036510.17	328.1584867	-0.891884531	8.71E-08	7.04E-07	Cdh8
ENSMUSG000000023186.14	1115.240403	-0.504748409	8.73E-08	7.06E-07	Vwa5a
ENSMUSG000000021003.10	1029.642179	0.547177488	8.75E-08	7.07E-07	Galc
ENSMUSG000000038290.15	3232.830817	0.342506084	8.88E-08	7.17E-07	Smg6
ENSMUSG000000038390.11	1032.586242	-0.574882942	8.93E-08	7.21E-07	Gpr162
ENSMUSG000000040351.11	1533.33498	0.44588394	9.18E-08	7.40E-07	Ankib1
ENSMUSG000000085148.1	134.5215325	1.415209362	9.17E-08	7.40E-07	Mir22hg
ENSMUSG000000072680.11	1350.989987	-0.459880072	9.19E-08	7.41E-07	Tmem254c
ENSMUSG000000026047.13	2425.599327	-0.374075661	9.23E-08	7.44E-07	Kdelc1
ENSMUSG000000037270.18	3899.995307	-0.354373904	9.25E-08	7.45E-07	RP23-243E17.1
ENSMUSG000000033863.1	1426.201117	-0.447914855	9.31E-08	7.49E-07	Klf9
ENSMUSG000000075376.10	3565.108725	0.330172623	9.37E-08	7.54E-07	Rc3h2
ENSMUSG000000020605.9	1910.952401	0.400355742	9.40E-08	7.56E-07	Hs1bp3
ENSMUSG000000050947.9	626.4483728	-0.668995818	9.39E-08	7.56E-07	Amigo1
ENSMUSG000000078485.3	1247.934223	-0.484693012	9.44E-08	7.59E-07	Plekhn1
ENSMUSG000000021102.4	4590.341424	0.288722778	9.52E-08	7.65E-07	Glrx5
ENSMUSG000000038151.13	229.0123686	-1.111978874	9.58E-08	7.70E-07	Prdm1
ENSMUSG000000047844.3	11663.49099	-0.231593753	9.60E-08	7.71E-07	Bex4
ENSMUSG000000038250.9	1395.783106	0.468839015	9.71E-08	7.80E-07	Usp38
ENSMUSG000000038677.13	1447.047598	-0.444692006	9.88E-08	7.93E-07	Scube3
ENSMUSG000000029536.8	1165.476643	0.492700782	9.91E-08	7.95E-07	Gatc
ENSMUSG000000102411.1	343.5664399	-0.869821123	9.94E-08	7.97E-07	RP23-461P14.1
ENSMUSG00000000439.9	1811.131358	0.414532983	1.00E-07	8.02E-07	Mktn2
ENSMUSG000000044627.11	5890.322082	0.268894747	1.01E-07	8.08E-07	Swi5
ENSMUSG000000022186.14	3104.119962	-0.326896359	1.01E-07	8.09E-07	Oxct1
ENSMUSG000000036304.14	237.5816319	-1.042487256	1.01E-07	8.11E-07	Zdhhc23
ENSMUSG00000001440.5	54089.98728	0.19537133	1.02E-07	8.13E-07	Kpnb1
ENSMUSG000000022175.9	3546.336711	0.314166505	1.02E-07	8.16E-07	Lrp10
ENSMUSG000000079215.8	5096.350442	-0.291645953	1.02E-07	8.18E-07	Zfp664
ENSMUSG00000006435.15	502.0042142	-0.746733968	1.03E-07	8.26E-07	Neur1a
ENSMUSG000000026628.13	662.3634921	-0.646024924	1.04E-07	8.30E-07	Atf3
ENSMUSG000000046598.15	1497.307632	-0.442899948	1.04E-07	8.35E-07	Bdh1
ENSMUSG000000030822.15	1597.803567	0.439449343	1.05E-07	8.35E-07	Prr14
ENSMUSG000000025616.14	2032.908428	0.397544877	1.05E-07	8.38E-07	Usp16
ENSMUSG000000045201.6	338.3128676	-0.881515631	1.06E-07	8.47E-07	Lrrc3b
ENSMUSG000000032295.15	2386.443051	0.387786019	1.06E-07	8.48E-07	Man2c1
ENSMUSG00000001158.13	2396.53689	0.378085487	1.06E-07	8.48E-07	Snrnp27
ENSMUSG00000004698.10	265.388759	-1.00128093	1.07E-07	8.51E-07	Hdac9
ENSMUSG000000054199.17	7625.024591	0.258472021	1.07E-07	8.54E-07	Gon4l
ENSMUSG000000026634.16	2326.296828	0.36520875	1.07E-07	8.54E-07	Angel2
ENSMUSG000000038520.15	2741.399952	0.363740769	1.09E-07	8.72E-07	Tbc1d17
ENSMUSG000000055707.13	1154.159758	0.49549784	1.10E-07	8.74E-07	Kihl26
ENSMUSG000000038172.14	8694.946072	-0.28886102	1.10E-07	8.75E-07	Ttc39b

ENSMUSG00000029625.16	3820.935673	0.308671765	1.10E-07	8.77E-07	Cpsf4
ENSMUSG00000084866.2	98.76275026	1.72835909	1.10E-07	8.77E-07	RP23-348A6.1
ENSMUSG00000099681.1	140.4561252	1.399124418	1.11E-07	8.78E-07	RP23-456M3.4
ENSMUSG00000021867.16	1392.554354	-0.450797533	1.11E-07	8.79E-07	Tmem254b
ENSMUSG00000073207.1	213.3626133	-1.157377847	1.11E-07	8.84E-07	Ccdc160
ENSMUSG00000039911.13	290.9470382	0.943384047	1.12E-07	8.92E-07	Spsb1
ENSMUSG00000010453.12	3048.175104	0.331593884	1.13E-07	8.96E-07	Kansl3
ENSMUSG00000019775.17	674.2795904	-0.64981976	1.14E-07	9.07E-07	Rgs17
ENSMUSG00000032374.14	4117.722035	-0.308178493	1.14E-07	9.07E-07	Plod2
ENSMUSG000000066270.3	3701.518574	0.332962397	1.15E-07	9.09E-07	RP23-162D3.1
ENSMUSG00000027613.15	7292.950803	0.251415213	1.16E-07	9.17E-07	Eif6
ENSMUSG00000017843.14	5177.352775	0.282384801	1.16E-07	9.19E-07	Ppp2r5c
ENSMUSG00000032577.16	955.4523705	-0.583389608	1.18E-07	9.36E-07	Mapkapk3
ENSMUSG00000090919.6	358.9628148	-0.881844432	1.19E-07	9.45E-07	Pabpc4l
ENSMUSG00000033159.14	2028.205105	0.384802605	1.21E-07	9.55E-07	Cnppd1
ENSMUSG00000020733.3	4422.669214	0.297593463	1.24E-07	9.84E-07	Slc9a3r1
ENSMUSG00000024725.12	1327.584626	0.480955002	1.24E-07	9.84E-07	Ostf1
ENSMUSG00000027582.16	1247.704761	0.486424234	1.25E-07	9.87E-07	Zgpat
ENSMUSG00000074227.12	3089.962965	-0.330171448	1.25E-07	9.90E-07	Spint2
ENSMUSG00000072676.12	1403.539311	-0.447601991	1.27E-07	9.99E-07	Tmem254a
ENSMUSG00000024668.7	1387.507732	0.470081256	1.27E-07	1.00E-06	Sdhaf2
ENSMUSG00000028948.16	5831.406406	0.286256125	1.29E-07	1.02E-06	Noi9
ENSMUSG00000070304.12	310.0884731	-0.905612656	1.29E-07	1.02E-06	Scn2b
ENSMUSG00000041974.10	1037.094806	-0.52610858	1.30E-07	1.03E-06	Spidr
ENSMUSG00000026280.17	2641.435615	0.353247668	1.31E-07	1.03E-06	Atg4b
ENSMUSG00000038406.17	6883.960974	0.252265389	1.31E-07	1.03E-06	Scaf1
ENSMUSG00000060678.5	94.98994858	1.710656803	1.31E-07	1.03E-06	Hist1h4c
ENSMUSG00000030031.14	1822.862223	-0.408734582	1.31E-07	1.03E-06	Kbtbd8
ENSMUSG00000070385.12	27.94317587	4.669154937	1.32E-07	1.04E-06	Ampd1
ENSMUSG00000024645.4	1698.586509	0.427321411	1.33E-07	1.05E-06	Timm21
ENSMUSG00000012296.16	3153.632302	0.329649396	1.34E-07	1.05E-06	Tjap1
ENSMUSG000000096916.7	1410.626244	0.452296395	1.35E-07	1.07E-06	Zfp850
ENSMUSG00000030347.6	869.490085	0.615355342	1.36E-07	1.07E-06	RP23-222G22.7
ENSMUSG000000110344.1	361.4971996	0.843395419	1.36E-07	1.07E-06	RP23-220F20.2
ENSMUSG00000049502.17	564.1523567	-0.681808251	1.37E-07	1.07E-06	Dtx3l
ENSMUSG00000056091.12	1537.891024	0.435222083	1.37E-07	1.07E-06	St3gal5
ENSMUSG00000029708.9	760.4349185	0.588433538	1.38E-07	1.09E-06	Gcc1
ENSMUSG00000036890.13	1106.424345	0.499544332	1.39E-07	1.09E-06	Gtdc1
ENSMUSG00000001763.14	1173.144338	0.50568081	1.39E-07	1.09E-06	Tspan33
ENSMUSG000000039356.15	3729.214852	0.305751976	1.40E-07	1.10E-06	Exosc2
ENSMUSG00000069662.5	7987.583776	-0.241492472	1.41E-07	1.10E-06	Marcks
ENSMUSG00000049577.15	482.4909973	0.745820267	1.41E-07	1.11E-06	Zfpm1
ENSMUSG00000027133.3	4088.142317	0.311159907	1.41E-07	1.11E-06	Nop10
ENSMUSG00000022103.10	369.0673575	-0.862487191	1.43E-07	1.12E-06	Gfra2
ENSMUSG00000031429.14	2190.929878	0.394500439	1.43E-07	1.12E-06	Psmd10
ENSMUSG00000022946.10	952.5756657	0.546602394	1.43E-07	1.12E-06	Dopey2
ENSMUSG000000028173.10	3616.983273	0.351959208	1.45E-07	1.14E-06	Wls
ENSMUSG000000019579.13	3291.879366	0.347837637	1.46E-07	1.14E-06	Mydgf
ENSMUSG00000036327.18	3930.325078	0.323012705	1.46E-07	1.14E-06	Qsox2
ENSMUSG00000036278.6	117.3510272	1.50404476	1.48E-07	1.16E-06	Macrocl1
ENSMUSG00000029725.10	1239.879346	0.4780078	1.48E-07	1.16E-06	Ppp1r35
ENSMUSG00000038174.14	1168.379091	0.493754335	1.49E-07	1.16E-06	Fam126b
ENSMUSG00000097715.2	1177.758892	-0.495604417	1.50E-07	1.17E-06	Gpr137b-ps
ENSMUSG00000031710.4	28.09528913	4.679368632	1.50E-07	1.17E-06	Ucp1
ENSMUSG00000078816.9	771.4499183	0.602024648	1.52E-07	1.19E-06	Prkcg
ENSMUSG00000026274.11	2265.540519	-0.378574052	1.53E-07	1.19E-06	Pask
ENSMUSG00000029030.14	3526.352543	0.318596458	1.53E-07	1.19E-06	Tprgl
ENSMUSG00000010461.15	174.1243457	-1.214489364	1.56E-07	1.21E-06	Eya4
ENSMUSG00000018931.3	2364.820599	0.358244574	1.57E-07	1.22E-06	Natd1
ENSMUSG00000047547.14	299.3389391	0.922566797	1.57E-07	1.23E-06	Cltb
ENSMUSG00000027637.3	2214.963347	0.385528261	1.58E-07	1.23E-06	RP24-482A24.5
ENSMUSG00000029480.13	2176.925095	0.389968676	1.59E-07	1.24E-06	Dhx37
ENSMUSG00000020903.13	969.2559812	0.542827526	1.60E-07	1.24E-06	Stx8
ENSMUSG00000005610.17	45468.61975	0.204334079	1.66E-07	1.29E-06	Eif4g2
ENSMUSG00000024304.14	5788.645336	-0.269199306	1.67E-07	1.29E-06	Cdh2
ENSMUSG00000031367.15	2201.775289	-0.375507504	1.67E-07	1.29E-06	Ap1s2
ENSMUSG00000036529.17	5177.247236	0.28034625	1.67E-07	1.29E-06	Sbf1
ENSMUSG00000022125.7	1119.708826	0.498472576	1.67E-07	1.30E-06	Cln5
ENSMUSG00000042408.13	2263.041292	0.377891927	1.67E-07	1.30E-06	Zmym6
ENSMUSG00000034773.16	2021.196037	-0.383156546	1.68E-07	1.30E-06	RP23-461C4.3

ENSMUSG00000024498.15	9252.099433	-0.236231428	1.68E-07	1.30E-06	Tcerg1
ENSMUSG00000029647.15	2215.304747	-0.366281643	1.68E-07	1.31E-06	Pan3
ENSMUSG00000024940.10	411.537185	-0.788651516	1.69E-07	1.31E-06	Ltbp3
ENSMUSG00000034163.10	3040.137795	0.336854018	1.69E-07	1.31E-06	Zfc3h1
ENSMUSG00000026123.11	1219.381012	0.485453941	1.69E-07	1.31E-06	Plekhh2
ENSMUSG00000026842.16	4341.417312	-0.286586076	1.71E-07	1.32E-06	Abl1
ENSMUSG00000056851.14	13114.27206	0.213287689	1.75E-07	1.35E-06	Pcbp2
ENSMUSG00000020755.9	3197.167257	0.319504104	1.76E-07	1.36E-06	Sap30bp
ENSMUSG00000024215.13	46.79719537	2.608296081	1.76E-07	1.36E-06	Spdef
ENSMUSG00000051234.6	4016.625983	0.296523628	1.77E-07	1.37E-06	Rnf7
ENSMUSG00000022557.11	6694.836955	0.254141316	1.77E-07	1.37E-06	Bop1
ENSMUSG00000020111.15	876.9252295	0.571445743	1.77E-07	1.37E-06	Micu1
ENSMUSG00000026917.15	6472.355403	0.261228385	1.78E-07	1.38E-06	Wdr5
ENSMUSG00000037369.17	2987.617079	-0.342469573	1.78E-07	1.38E-06	Kdm6a
ENSMUSG00000068457.14	990.3826707	-0.531276484	1.78E-07	1.38E-06	Uty
ENSMUSG00000035640.18	982.9586813	0.518845045	1.79E-07	1.38E-06	Cbarp
ENSMUSG00000004264.17	20688.95296	0.197971783	1.80E-07	1.38E-06	Phb2
ENSMUSG00000068220.6	2498.429313	0.360152216	1.80E-07	1.39E-06	Lgals1
ENSMUSG00000052821.3	258.9546422	-1.040478304	1.82E-07	1.40E-06	Cysltr1
ENSMUSG00000092167.8	615.0129268	-0.654512934	1.83E-07	1.41E-06	RP23-304L22.1
ENSMUSG00000036356.15	597.7258823	-0.649352661	1.84E-07	1.42E-06	Csgalnact1
ENSMUSG00000023393.15	122.3672553	1.50653414	1.85E-07	1.42E-06	Slc17a9
ENSMUSG00000016181.9	1796.886603	-0.451779594	1.86E-07	1.43E-06	Diexf
ENSMUSG00000023945.6	174.6342508	-1.199182297	1.86E-07	1.43E-06	Slc5a7
ENSMUSG000000074212.7	432.8623591	-0.760206435	1.88E-07	1.44E-06	Dnajb14
ENSMUSG00000079481.11	230.9605053	-1.033708487	1.93E-07	1.48E-06	Nhs12
ENSMUSG00000095762.1	2523.581579	0.348801566	1.93E-07	1.49E-06	RP24-94F12.1
ENSMUSG00000024812.9	3610.308543	-0.305489049	1.94E-07	1.49E-06	Tjp2
ENSMUSG00000041075.8	5614.514731	-0.264000391	1.95E-07	1.50E-06	Fzd7
ENSMUSG00000001120.15	1435.980484	0.451609431	1.95E-07	1.50E-06	Pcbp3
ENSMUSG00000025935.10	5070.16164	0.277721826	1.97E-07	1.51E-06	Tram1
ENSMUSG000000038271.17	1169.510744	0.481504938	1.99E-07	1.53E-06	Iifo1
ENSMUSG00000026021.15	6787.233258	0.252718339	2.01E-07	1.54E-06	Sumo1
ENSMUSG00000022802.2	1030.486679	-0.567499753	2.02E-07	1.54E-06	Lmln
ENSMUSG00000023971.8	1293.692248	0.45948699	2.06E-07	1.58E-06	Rrp36
ENSMUSG00000027555.8	1174.802792	0.489390637	2.06E-07	1.58E-06	Car13
ENSMUSG00000074221.12	6158.781996	0.266124541	2.07E-07	1.59E-06	Zfp568
ENSMUSG00000020107.10	2000.782509	0.382680804	2.08E-07	1.59E-06	Anapc16
ENSMUSG00000039483.10	1367.014866	0.44950017	2.09E-07	1.60E-06	Asb6
ENSMUSG00000029544.16	405.7481534	-0.777515485	2.11E-07	1.61E-06	Cabp1
ENSMUSG00000030002.15	4369.39927	-0.319601033	2.11E-07	1.61E-06	Dusp11
ENSMUSG00000063808.14	1457.644004	0.451087103	2.13E-07	1.63E-06	Gpatch1
ENSMUSG00000097451.10	16681.92094	-0.208449833	2.13E-07	1.63E-06	Rian
ENSMUSG00000035529.10	2049.620181	0.379315856	2.14E-07	1.64E-06	Prdm4
ENSMUSG00000003992.15	618.4159933	-0.634736919	2.15E-07	1.64E-06	Ssbp2
ENSMUSG00000021953.14	468.8021689	-0.736197756	2.16E-07	1.65E-06	Tdh
ENSMUSG00000035725.13	909.1755223	0.542006133	2.17E-07	1.66E-06	Prkx
ENSMUSG00000027429.16	3395.041637	0.313714718	2.19E-07	1.67E-06	Sec23b
ENSMUSG00000017421.18	12048.84798	-0.229659839	2.20E-07	1.68E-06	Zfp207
ENSMUSG00000021068.16	869.6644087	-0.549657568	2.20E-07	1.68E-06	Nin
ENSMUSG00000069305.3	106.0227024	1.576285815	2.20E-07	1.68E-06	Hist1h4n
ENSMUSG00000037266.18	15861.74308	-0.215117726	2.20E-07	1.68E-06	Rsrp1
ENSMUSG00000094634.8	395.002455	-0.801174155	2.20E-07	1.68E-06	RP24-152K24.2
ENSMUSG00000064264.14	674.7316257	-0.635964297	2.21E-07	1.68E-06	Zfp428
ENSMUSG00000022425.16	16618.06825	-0.249506747	2.23E-07	1.70E-06	Enpp2
ENSMUSG00000015749.12	9689.078317	-0.227070844	2.23E-07	1.70E-06	Anp32e
ENSMUSG00000003269.17	2986.734673	0.339510159	2.25E-07	1.71E-06	Cyth2
ENSMUSG00000044447.5	1601.792722	-0.452109235	2.25E-07	1.71E-06	Dock5
ENSMUSG00000038324.13	4811.092293	0.27355459	2.30E-07	1.75E-06	Trpc4ap
ENSMUSG00000020069.16	2939.732499	-0.345937555	2.31E-07	1.76E-06	Hnrrph3
ENSMUSG00000030774.13	2306.720299	-0.362842134	2.34E-07	1.78E-06	Pak1
ENSMUSG0000002250.15	1240.210877	0.489747965	2.37E-07	1.80E-06	Ppard
ENSMUSG00000022816.11	11118.43966	0.249691524	2.38E-07	1.80E-06	Fstl1
ENSMUSG00000042389.13	1987.325908	0.380451379	2.38E-07	1.81E-06	Tsen2
ENSMUSG00000047604.3	644.4197026	-0.640476361	2.39E-07	1.81E-06	Frat2
ENSMUSG00000001138.13	2813.129923	-0.330823206	2.39E-07	1.81E-06	Cnm3
ENSMUSG00000024661.6	14878.83175	0.250105255	2.40E-07	1.81E-06	Fth1
ENSMUSG00000031010.17	14566.82787	-0.241285593	2.40E-07	1.82E-06	Usp9x
ENSMUSG00000013662.5	8573.496999	-0.256920718	2.41E-07	1.82E-06	Atad1
ENSMUSG00000031862.10	5259.378125	-0.267652431	2.41E-07	1.82E-06	Atp13a1

ENSMUSG00000053560.4	1587.079381	0.423773856	2.42E-07	1.83E-06	Ier2
ENSMUSG00000051648.13	62.11337555	2.11460868	2.44E-07	1.85E-06	Kctd19
ENSMUSG00000033857.12	1161.353776	-0.475336133	2.45E-07	1.85E-06	Engase
ENSMUSG00000021591.8	419.3540816	-0.804122124	2.46E-07	1.86E-06	Glrx
ENSMUSG00000032035.15	578.3176616	-0.677997579	2.46E-07	1.86E-06	Ets1
ENSMUSG00000009090.17	5834.644333	0.257639359	2.48E-07	1.87E-06	Ap1b1
ENSMUSG00000040312.14	1889.369983	0.385597089	2.50E-07	1.88E-06	Cchcr1
ENSMUSG00000096001.2	33.96162689	3.28752813	2.49E-07	1.88E-06	RP23-127E21.1
ENSMUSG00000020459.14	3431.302925	0.322022972	2.50E-07	1.89E-06	Mtif2
ENSMUSG00000022837.14	1297.392421	-0.455635611	2.51E-07	1.89E-06	Iqcb1
ENSMUSG00000040488.17	2692.50731	-0.364565376	2.55E-07	1.92E-06	Ltbp4
ENSMUSG00000028295.14	246.6711295	1.13034018	2.63E-07	1.98E-06	Smim8
ENSMUSG00000023074.11	781.1678043	0.580507894	2.64E-07	1.99E-06	Mospd1
ENSMUSG00000022708.16	542.9092525	0.685679178	2.65E-07	2.00E-06	Zbtb20
ENSMUSG00000026792.16	1150.714921	0.477587659	2.67E-07	2.01E-06	Lrsam1
ENSMUSG00000106547.1	29.14761555	3.677538856	2.67E-07	2.01E-06	RP23-441124.5
ENSMUSG00000036863.12	1853.768931	-0.419884164	2.69E-07	2.03E-06	Syde2
ENSMUSG00000024791.10	2896.996228	0.332782296	2.69E-07	2.03E-06	Cdca5
ENSMUSG00000041431.16	10741.30977	0.226085971	2.71E-07	2.04E-06	Ccnb1
ENSMUSG00000022253.15	5098.224933	-0.30258497	2.74E-07	2.06E-06	Nadk2
ENSMUSG00000056429.4	5052.390909	0.280110856	2.74E-07	2.06E-06	Tgoln1
ENSMUSG00000042401.6	79.88790415	1.810115832	2.75E-07	2.06E-06	Crtac1
ENSMUSG00000048310.8	749.179911	0.581582147	2.75E-07	2.06E-06	Pskh1
ENSMUSG00000005881.13	6933.353584	0.261251051	2.76E-07	2.07E-06	Ergic3
ENSMUSG00000072978.3	1401.046347	0.451726809	2.77E-07	2.08E-06	RP23-421G18.2
ENSMUSG00000057134.5	2381.368856	-0.349927878	2.78E-07	2.08E-06	Ado
ENSMUSG00000017499.15	4936.418748	0.286775017	2.79E-07	2.09E-06	Cdc6
ENSMUSG00000036377.18	569.115497	-0.676491787	2.80E-07	2.10E-06	AC166328.1
ENSMUSG00000030376.8	1240.989573	-0.462983772	2.80E-07	2.10E-06	Slc8a2
ENSMUSG00000097961.1	1666.286117	-0.426470355	2.83E-07	2.12E-06	RP23-286G19.5
ENSMUSG00000048106.5	1032.823121	-0.497396109	2.83E-07	2.12E-06	RP23-105K2.3
ENSMUSG00000024639.5	2036.328954	-0.372153019	2.86E-07	2.14E-06	Gnaq
ENSMUSG00000021338.17	844.7319286	-0.552707953	2.87E-07	2.15E-06	Lrrc16a
ENSMUSG00000078570.10	613.3521068	0.647055643	2.88E-07	2.15E-06	RP23-168M5.3
ENSMUSG00000027330.16	1376.092808	-0.440407123	2.89E-07	2.16E-06	Cdc25b
ENSMUSG00000004567.16	4738.497324	0.2786846	2.90E-07	2.17E-06	Mcoln1
ENSMUSG00000030795.18	21337.23801	-0.195946698	2.91E-07	2.17E-06	Fus
ENSMUSG00000023267.10	27.35379523	4.301052251	2.92E-07	2.18E-06	Gabbr2
ENSMUSG00000008206.16	4595.091017	-0.281590208	2.93E-07	2.18E-06	Cers4
ENSMUSG00000037300.19	4791.693074	0.274798255	2.93E-07	2.18E-06	Ttc13
ENSMUSG00000033618.7	782.7486577	0.565741368	2.93E-07	2.18E-06	Map3k13
ENSMUSG00000058704.7	2058.535617	0.373675944	2.94E-07	2.19E-06	Memo1
ENSMUSG00000021253.7	762.7675999	-0.576275522	2.94E-07	2.19E-06	Tgfb3
ENSMUSG00000024146.9	1416.218954	0.454350446	2.95E-07	2.20E-06	Cript
ENSMUSG00000095295.8	516.717417	-0.682796849	2.95E-07	2.20E-06	RP23-274E2.4
ENSMUSG00000038564.11	1618.099331	0.409225958	2.95E-07	2.20E-06	Ift172
ENSMUSG00000042211.6	3784.446812	0.303838869	2.97E-07	2.21E-06	Fbxo38
ENSMUSG00000025439.5	4573.863793	0.294793225	3.00E-07	2.24E-06	Clns1a
ENSMUSG00000008763.16	4048.068983	-0.293894301	3.04E-07	2.26E-06	Man1a2
ENSMUSG00000046562.5	4289.388345	0.313270833	3.09E-07	2.30E-06	Unc119b
ENSMUSG00000004996.9	1838.532094	-0.394819306	3.11E-07	2.31E-06	Mri1
ENSMUSG00000057101.8	1464.15099	0.448221284	3.12E-07	2.32E-06	Zfp180
ENSMUSG00000057388.9	2757.927762	0.333892387	3.13E-07	2.32E-06	Mrpl18
ENSMUSG00000020415.16	4417.839198	0.291505582	3.14E-07	2.33E-06	Pttg1
ENSMUSG00000046034.8	1270.463652	0.45645869	3.15E-07	2.34E-06	Otulin
ENSMUSG00000070319.6	6964.610955	0.244323937	3.17E-07	2.35E-06	Eif3g
ENSMUSG00000104093.1	30.06306394	5.805736886	3.21E-07	2.38E-06	RP23-243H19.1
ENSMUSG00000052593.16	4410.600063	-0.283243966	3.21E-07	2.38E-06	Adam17
ENSMUSG00000022031.6	5832.963794	0.265844764	3.25E-07	2.41E-06	Elp3
ENSMUSG00000032387.15	10990.93071	-0.217765591	3.26E-07	2.42E-06	Rbpm2
ENSMUSG00000014747.6	70.12959379	1.935389887	3.27E-07	2.42E-06	Ankrd53
ENSMUSG00000001663.10	365.966768	-0.81474555	3.27E-07	2.42E-06	Gstt1
ENSMUSG000000086914.1	27.83862199	5.091330805	3.28E-07	2.43E-06	AC158384.4
ENSMUSG00000026782.15	3378.935321	-0.308031976	3.32E-07	2.46E-06	Abi2
ENSMUSG00000044927.6	1928.160264	0.405913086	3.32E-07	2.46E-06	H1fx
ENSMUSG00000071253.8	956.0278763	0.559791161	3.32E-07	2.46E-06	Slc25a16
ENSMUSG00000020409.10	2719.503493	0.330244591	3.34E-07	2.47E-06	Slu7
ENSMUSG00000019873.8	2516.095125	-0.343704357	3.34E-07	2.47E-06	Reep3
ENSMUSG00000017929.13	2972.343685	0.330047791	3.36E-07	2.48E-06	B4galt5
ENSMUSG00000054604.7	3559.014996	-0.310941266	3.35E-07	2.48E-06	Cggbp1

ENSMUSG00000028245.15	1560.76461	-0.434757859	3.37E-07	2.49E-06	Nsmaf
ENSMUSG00000026687.14	6320.942165	-0.252690787	3.39E-07	2.50E-06	Aldh9a1
ENSMUSG00000017692.8	293.6235773	-0.951792082	3.43E-07	2.53E-06	Rhbdl3
ENSMUSG00000030188.12	1411.107263	0.478642299	3.44E-07	2.54E-06	Magohb
ENSMUSG00000033222.16	3288.282681	-0.338358811	3.44E-07	2.54E-06	Ttf2
ENSMUSG00000024665.7	13812.43466	-0.215913202	3.46E-07	2.55E-06	Fads2
ENSMUSG00000020399.14	23.30026732	7.905600292	3.51E-07	2.59E-06	Havcr2
ENSMUSG00000003808.18	4440.973357	0.277528131	3.54E-07	2.61E-06	Farsa
ENSMUSG000000026107.11	913.8835437	0.527342308	3.55E-07	2.61E-06	Nabp1
ENSMUSG00000024955.13	1478.926699	0.444680032	3.56E-07	2.62E-06	Esrra
ENSMUSG00000020893.17	3113.985021	0.315606179	3.62E-07	2.67E-06	Per1
ENSMUSG00000057337.13	430.9807973	-0.798488579	3.63E-07	2.67E-06	Chst3
ENSMUSG00000043445.6	3624.398096	0.353834762	3.65E-07	2.68E-06	Pgp
ENSMUSG00000016028.10	2707.000827	-0.332940414	3.66E-07	2.69E-06	Celsr1
ENSMUSG00000030671.9	3259.595883	-0.309110862	3.68E-07	2.71E-06	Pde3b
ENSMUSG00000089824.10	1636.167334	-0.412978988	3.72E-07	2.73E-06	Rbm12
ENSMUSG00000002968.9	5625.393849	-0.257552652	3.73E-07	2.74E-06	Mtd25
ENSMUSG00000058799.16	59908.23011	-0.180498054	3.74E-07	2.75E-06	Nap11
ENSMUSG00000026229.17	10789.9907	0.221198667	3.75E-07	2.75E-06	Psmd1
ENSMUSG00000116875.1	12032.55033	0.237578615	3.78E-07	2.78E-06	RP24-62P21.1
ENSMUSG00000058486.11	1315.489716	0.455205372	3.80E-07	2.79E-06	Wdr91
ENSMUSG00000055817.18	1904.895675	-0.395349299	3.81E-07	2.80E-06	Mta3
ENSMUSG00000040225.15	19274.74846	-0.620038182	3.87E-07	2.84E-06	Prrc2c
ENSMUSG000000067017.5	4934.88572	0.267819029	3.89E-07	2.85E-06	Gm3608
ENSMUSG000000041741.10	571.556586	-0.668928794	3.90E-07	2.85E-06	Pde3a
ENSMUSG00000079364.3	519.8798162	-0.684966824	3.92E-07	2.87E-06	RP23-188F24.1
ENSMUSG00000031297.14	17261.13004	-0.206286255	3.94E-07	2.89E-06	Slc7a3
ENSMUSG00000042797.9	315.3356719	-0.915171936	3.95E-07	2.89E-06	Aqp11
ENSMUSG00000026185.8	227.2254074	-1.010702394	3.96E-07	2.90E-06	Igfbp5
ENSMUSG00000105572.1	254.2038244	-0.971429337	3.97E-07	2.90E-06	RP23-235E15.5
ENSMUSG00000043801.7	10132.07797	0.229412956	4.01E-07	2.93E-06	RP24-81G10.4
ENSMUSG00000039542.16	1750.627463	0.420874418	4.04E-07	2.96E-06	Ncam1
ENSMUSG00000056679.13	439.8769263	-0.754079344	4.08E-07	2.98E-06	Gpr173
ENSMUSG00000024236.18	2531.568573	-0.337217663	4.09E-07	2.99E-06	Svil
ENSMUSG00000029729.12	988.4753957	0.503494618	4.09E-07	2.99E-06	Zkscan1
ENSMUSG00000028745.18	9334.500662	0.240648503	4.10E-07	3.00E-06	Capzb
ENSMUSG00000020099.8	10131.13564	0.220904205	4.14E-07	3.02E-06	Unc5b
ENSMUSG00000028382.15	3299.564129	-0.322594759	4.17E-07	3.04E-06	Ptbp3
ENSMUSG000000025130.11	40617.37468	0.182015583	4.17E-07	3.04E-06	P4hb
ENSMUSG000000008461.6	55.02354808	-2.16174549	4.18E-07	3.05E-06	Fut1
ENSMUSG00000047508.9	60.56660921	2.121101965	4.26E-07	3.11E-06	Mbd3l2
ENSMUSG00000034684.12	705.500957	-0.588263661	4.28E-07	3.12E-06	Sema3f
ENSMUSG00000034403.16	2894.96256	0.319770088	4.31E-07	3.14E-06	Pja1
ENSMUSG00000003360.15	9042.180691	0.225860729	4.33E-07	3.15E-06	Ddx23
ENSMUSG00000035354.9	1510.585068	0.443938638	4.34E-07	3.16E-06	Uvrag
ENSMUSG00000011256.16	1550.225193	-0.426287559	4.35E-07	3.17E-06	Adam19
ENSMUSG00000070056.6	547.9549648	-0.666886863	4.37E-07	3.18E-06	Mfhas1
ENSMUSG00000025220.7	8718.91525	0.228302547	4.39E-07	3.19E-06	Mgea5
ENSMUSG00000000441.17	2674.92521	-0.330741256	4.41E-07	3.21E-06	Raf1
ENSMUSG00000020170.4	2273.039949	0.357525452	4.42E-07	3.21E-06	Frs2
ENSMUSG00000035623.14	4209.869407	-0.312772616	4.42E-07	3.21E-06	Rsf1
ENSMUSG00000073139.9	1656.363537	0.40498811	4.42E-07	3.21E-06	RP23-403O11.9
ENSMUSG00000055945.8	189.9123399	-1.180551471	4.44E-07	3.22E-06	Prr18
ENSMUSG00000041219.14	6839.307186	-0.247074548	4.44E-07	3.22E-06	Arhgap11a
ENSMUSG000000083474.1	1594.339199	0.420490724	4.45E-07	3.23E-06	RP23-419G22.5
ENSMUSG00000026857.9	1785.963319	-0.393112143	4.48E-07	3.24E-06	Ntmt1
ENSMUSG00000020776.18	1853.439293	0.393627766	4.48E-07	3.25E-06	Fbf1
ENSMUSG00000025722.16	2193.645582	0.360204146	4.49E-07	3.26E-06	Wdr73
ENSMUSG00000020832.14	2293.914129	0.391299726	4.53E-07	3.28E-06	Eral1
ENSMUSG00000034354.17	4713.489633	0.272866113	4.55E-07	3.29E-06	Mtnr3
ENSMUSG00000031984.8	4120.670751	0.313168292	4.56E-07	3.30E-06	RP23-9L16.5
ENSMUSG00000030930.14	1794.637719	-0.39174138	4.57E-07	3.30E-06	Chst15
ENSMUSG00000038095.15	8283.668109	0.247896952	4.65E-07	3.36E-06	Sbno1
ENSMUSG00000021134.17	14661.58129	0.229137985	4.70E-07	3.40E-06	Srsf5
ENSMUSG00000025265.14	3658.596104	-0.322469306	4.72E-07	3.41E-06	Fgd1
ENSMUSG00000026922.13	610.5187173	-0.62295042	4.75E-07	3.43E-06	Agpat2
ENSMUSG00000042870.15	2216.052425	0.372474086	4.75E-07	3.43E-06	Tom1
ENSMUSG00000060093.6	107.8059919	1.493358165	4.77E-07	3.45E-06	Hist1h4a
ENSMUSG00000025326.12	4529.359158	-0.304126749	4.83E-07	3.49E-06	Ube3a
ENSMUSG00000021696.9	303.8693243	-0.87452202	4.84E-07	3.50E-06	Elov17

ENSMUSG00000042694.17	1091.888596	0.475321018	4.85E-07	3.50E-06	Stn1
ENSMUSG00000056383.10	1121.453365	0.474747097	4.86E-07	3.51E-06	RP24-269A16.1
ENSMUSG000000115160.1	1278.091479	-0.444201733	4.89E-07	3.52E-06	RP23-48M16.12
ENSMUSG00000010607.8	536.2593414	0.683682715	4.91E-07	3.54E-06	Pigyl
ENSMUSG00000006731.10	447.9932331	-0.726412308	4.96E-07	3.57E-06	B4galnt1
ENSMUSG00000042202.15	1871.923594	0.377661823	4.97E-07	3.58E-06	Slc35e2
ENSMUSG00000028347.14	7804.796377	-0.231088071	5.01E-07	3.61E-06	Tmeff1
ENSMUSG00000011686.1	1210.677048	0.466566497	5.02E-07	3.61E-06	RP23-313P23.4
ENSMUSG00000041117.8	727.9407409	-0.578913057	5.02E-07	3.62E-06	Ccdc8
ENSMUSG00000039771.13	1448.133553	0.428174674	5.04E-07	3.62E-06	Polr2j
ENSMUSG00000004565.15	4133.511026	-0.279038216	5.05E-07	3.63E-06	Pnpla6
ENSMUSG00000035401.9	3280.770258	-0.339519206	5.07E-07	3.65E-06	RP23-331A21.2
ENSMUSG00000024983.10	670.7623834	0.607286012	5.10E-07	3.66E-06	Vti1a
ENSMUSG00000021704.8	1483.647754	-0.42034505	5.10E-07	3.67E-06	Mtx3
ENSMUSG000000101249.1	174035.0505	0.236152235	5.12E-07	3.67E-06	RP23-8J15.1
ENSMUSG00000011335.1	22.06971216	7.827829742	5.13E-07	3.68E-06	RP23-37D14.3
ENSMUSG00000017478.15	6611.630341	0.241371783	5.15E-07	3.70E-06	Zc3h18
ENSMUSG00000074247.10	3132.102833	0.321446827	5.19E-07	3.72E-06	Dda1
ENSMUSG00000026281.15	8296.735665	0.229801638	5.20E-07	3.73E-06	Dtymk
ENSMUSG000000100252.6	107.1473813	-1.475667307	5.22E-07	3.74E-06	Mir124-2hg
ENSMUSG00000020964.14	6207.196477	0.249013679	5.33E-07	3.82E-06	Sel1l
ENSMUSG00000034484.7	3821.276611	0.308266816	5.33E-07	3.82E-06	Snx2
ENSMUSG00000063450.14	5346.808748	-0.308028088	5.34E-07	3.82E-06	Syne2
ENSMUSG000000040658.6	2414.70991	0.350133231	5.40E-07	3.86E-06	Dnph1
ENSMUSG000000001420.13	143.7921629	1.311119739	5.40E-07	3.87E-06	Tmem79
ENSMUSG00000030189.15	18404.01218	-0.207343712	5.40E-07	3.87E-06	Ybx3
ENSMUSG00000021986.8	193.5581834	-1.091383013	5.41E-07	3.87E-06	Amer2
ENSMUSG00000001827.12	875.8308569	0.552460421	5.41E-07	3.87E-06	Folr1
ENSMUSG00000019558.14	1504.32707	-0.412274935	5.41E-07	3.87E-06	Slc6a8
ENSMUSG00000020841.5	7787.530434	-0.265201815	5.41E-07	3.87E-06	Cpd
ENSMUSG00000030493.13	413.188155	0.763174361	5.41E-07	3.87E-06	Faap24
ENSMUSG00000026965.12	5176.331933	0.265128909	5.48E-07	3.92E-06	Anapc2
ENSMUSG000000001435.15	13544.58299	-0.230453218	5.50E-07	3.93E-06	Col18a1
ENSMUSG00000021638.12	246.4922954	-0.962124214	5.50E-07	3.93E-06	Ocln
ENSMUSG00000013646.17	3304.659275	0.303014667	5.57E-07	3.98E-06	Sh3bp5l
ENSMUSG00000028351.5	811.7129938	-0.548357771	5.63E-07	4.02E-06	Brinp1
ENSMUSG00000073664.11	1844.544576	-0.427253138	5.63E-07	4.02E-06	Nbeal1
ENSMUSG00000000934.9	625.6288173	0.62848896	5.65E-07	4.03E-06	Top1mt
ENSMUSG00000068114.7	1591.996914	0.407306821	5.66E-07	4.03E-06	Ccdc134
ENSMUSG000000066043.13	2194.365602	0.360895126	5.67E-07	4.04E-06	Phactr4
ENSMUSG00000021891.8	1452.613543	0.42093053	5.71E-07	4.07E-06	Mettl6
ENSMUSG00000027455.16	6518.244169	-0.245621153	5.71E-07	4.07E-06	Nsf1c
ENSMUSG00000066894.14	729.9408716	-0.595079283	5.77E-07	4.11E-06	Vsig10
ENSMUSG00000027291.15	1500.583677	0.412858285	5.78E-07	4.11E-06	Vps39
ENSMUSG00000005698.15	5954.853666	-0.258508679	5.83E-07	4.15E-06	Ctcf
ENSMUSG00000050921.12	21.59354626	7.794578806	5.83E-07	4.15E-06	P2ry10
ENSMUSG00000040372.2	238.9230857	-0.975970697	5.85E-07	4.16E-06	Gpr63
ENSMUSG000000031938.15	607.5865358	0.670057619	5.86E-07	4.17E-06	RP23-424C4.5
ENSMUSG00000038836.15	169.7539743	1.215087539	5.90E-07	4.19E-06	Agbl3
ENSMUSG00000028851.6	26075.69931	0.205720836	6.00E-07	4.26E-06	Nudc
ENSMUSG00000021811.7	2587.400617	0.339073813	6.02E-07	4.27E-06	Dnajc9
ENSMUSG00000020948.9	733.1070708	0.588317348	6.04E-07	4.28E-06	Kihl28
ENSMUSG00000038766.16	3651.621464	-0.327621784	6.05E-07	4.29E-06	Gabpb2
ENSMUSG00000002083.13	722.5895929	-0.587694316	6.06E-07	4.30E-06	Bbc3
ENSMUSG00000028399.18	2000.838107	-0.364114835	6.16E-07	4.37E-06	Ptprd
ENSMUSG00000028005.13	388.4613384	0.770711385	6.23E-07	4.41E-06	Gucy1b3
ENSMUSG00000021820.18	2883.427553	0.318082329	6.31E-07	4.47E-06	Camk2g
ENSMUSG00000026209.15	3786.643851	0.299532363	6.34E-07	4.49E-06	Dnpep
ENSMUSG00000026966.6	1493.790111	0.424834647	6.37E-07	4.51E-06	Ssna1
ENSMUSG00000029640.17	3278.924713	0.300894183	6.38E-07	4.51E-06	Usp12
ENSMUSG00000030657.11	890.3475726	-0.514943249	6.43E-07	4.55E-06	Xylt1
ENSMUSG00000075227.6	843.1736343	0.532965903	6.44E-07	4.55E-06	Znhit2
ENSMUSG000000020705.6	8223.220324	-0.22875898	6.58E-07	4.65E-06	Ddx42
ENSMUSG00000031788.14	372.1850616	-0.833802076	6.59E-07	4.66E-06	Kifc3
ENSMUSG00000009633.3	136.6742692	-1.414744641	6.61E-07	4.67E-06	G0s2
ENSMUSG00000025730.14	1145.481541	0.466628318	6.66E-07	4.70E-06	Rab40c
ENSMUSG00000030403.9	4683.259085	0.272021755	6.66E-07	4.70E-06	Vasp
ENSMUSG00000048234.13	2781.009004	0.322581539	6.69E-07	4.72E-06	Rnf149
ENSMUSG00000029233.15	864.2338208	0.523577833	6.71E-07	4.74E-06	Srd5a3
ENSMUSG00000003680.15	1889.136759	0.374448892	6.74E-07	4.75E-06	Taf6l

ENSMUSG00000027706.8	8006.344036	0.246754959	6.79E-07	4.79E-06	Sec62
ENSMUSG00000024826.14	3879.159182	0.284453892	6.81E-07	4.80E-06	Dpf2
ENSMUSG00000037337.11	1145.713659	-0.472944454	6.88E-07	4.85E-06	Map4k1
ENSMUSG00000019254.16	3519.209806	0.299663075	6.95E-07	4.90E-06	Ppp1r12c
ENSMUSG00000018040.9	3350.788272	0.302909622	7.04E-07	4.96E-06	Rrp7a
ENSMUSG00000042367.12	624.0376203	-0.633879628	7.05E-07	4.96E-06	Gjb3
ENSMUSG00000029387.10	2706.652237	0.32599149	7.07E-07	4.97E-06	Gtf2h3
ENSMUSG00000041530.16	6959.870376	-0.245871285	7.13E-07	5.01E-06	Ago1
ENSMUSG00000027939.11	69.11766103	1.879819863	7.13E-07	5.02E-06	Nup210l
ENSMUSG00000020020.8	2285.025409	-0.371449193	7.16E-07	5.04E-06	Usp44
ENSMUSG00000027887.11	107.4471227	-1.511314328	7.18E-07	5.05E-06	Sypl2
ENSMUSG00000027998.11	3985.238298	0.290188903	7.22E-07	5.07E-06	Plrg1
ENSMUSG00000015882.17	1302.275232	0.441273614	7.26E-07	5.10E-06	Lcorl
ENSMUSG00000049313.8	2551.91091	-0.330141803	7.28E-07	5.11E-06	Sorl1
ENSMUSG00000034154.15	2142.134089	-0.37565025	7.34E-07	5.15E-06	Ino80
ENSMUSG00000034330.10	3794.609971	-0.286415668	7.35E-07	5.15E-06	Plcg2
ENSMUSG00000044674.6	761.4392987	-0.550065315	7.44E-07	5.22E-06	Fzd1
ENSMUSG00000080969.1	1198.629533	0.458881683	7.47E-07	5.24E-06	RP23-397G5.1
ENSMUSG00000039050.8	1129.845114	0.465374496	7.50E-07	5.26E-06	Osbpl2
ENSMUSG00000038722.17	2404.743425	0.358608241	7.66E-07	5.37E-06	Bud31
ENSMUSG00000047084.8	1882.73026	0.381793943	7.73E-07	5.42E-06	Ngrn
ENSMUSG00000028093.15	2884.676121	-0.323578409	7.74E-07	5.42E-06	Acp6
ENSMUSG00000024081.8	5736.634597	0.261806722	7.75E-07	5.42E-06	Cebpz
ENSMUSG00000045377.5	1624.511639	0.450827159	7.77E-07	5.44E-06	Tmem88
ENSMUSG00000057894.10	1335.710397	-0.464015315	7.82E-07	5.47E-06	Zfp329
ENSMUSG00000024054.13	6695.830806	-0.258284455	7.83E-07	5.48E-06	Smchd1
ENSMUSG00000028179.12	2160.918362	-0.363955397	7.89E-07	5.51E-06	Cth
ENSMUSG00000052271.7	60.32105038	2.022782349	7.97E-07	5.57E-06	Bhlha15
ENSMUSG00000022265.7	1207.39709	-0.470839819	8.05E-07	5.62E-06	Ank
ENSMUSG000000104496.1	3144.855504	-0.301635969	8.11E-07	5.66E-06	RP23-13N24.1
ENSMUSG00000027605.18	3410.725068	-0.301078463	8.17E-07	5.70E-06	Acss2
ENSMUSG00000022453.8	1478.401401	0.452650579	8.22E-07	5.74E-06	Naga
ENSMUSG000000100131.1	48964.87816	0.187960955	8.22E-07	5.74E-06	RP23-8J15.7
ENSMUSG00000024736.14	4620.043225	-0.264784009	8.24E-07	5.75E-06	Tmem132a
ENSMUSG00000044881.7	498.6654104	0.696505112	8.27E-07	5.77E-06	Coa4
ENSMUSG00000046351.11	2359.118069	-0.350956981	8.28E-07	5.77E-06	Zfp322a
ENSMUSG00000015980.14	460.3533031	0.714211812	8.29E-07	5.78E-06	Lrrc27
ENSMUSG00000053965.10	954.826771	-0.52836598	8.31E-07	5.79E-06	Pde5a
ENSMUSG00000078185.3	916.6389264	-0.547506936	8.31E-07	5.79E-06	Chml
ENSMUSG00000043843.16	296.7840921	-0.882008799	8.38E-07	5.83E-06	Tmem145
ENSMUSG00000022940.17	1110.146291	0.503164783	8.38E-07	5.83E-06	Pigp
ENSMUSG00000028519.16	1278.325041	-0.436495215	8.48E-07	5.90E-06	Dab1
ENSMUSG00000070462.4	1037.441811	-0.48454598	8.48E-07	5.90E-06	Mesdc1
ENSMUSG00000049764.8	5042.454914	0.259627662	8.48E-07	5.90E-06	Zfp280b
ENSMUSG00000025702.15	3546.178894	0.312452893	8.51E-07	5.92E-06	08. Mrz
ENSMUSG00000031545.6	6176.594166	0.258269975	8.56E-07	5.95E-06	Gpat4
ENSMUSG00000068964.5	1177.599511	0.458778088	8.59E-07	5.96E-06	RP23-47014.4
ENSMUSG00000048304.8	156.8349439	-1.202303968	8.61E-07	5.98E-06	Slitrk3
ENSMUSG00000046785.8	2083.265563	-0.419890133	8.64E-07	6.00E-06	Epm2aip1
ENSMUSG00000061436.15	1056.924039	-0.478472283	8.71E-07	6.04E-06	Hipk2
ENSMUSG00000067455.5	104.2924654	1.482292822	8.79E-07	6.10E-06	Hist1h4j
ENSMUSG00000001424.14	9010.494608	-0.222972961	8.81E-07	6.11E-06	Snd1
ENSMUSG00000055835.10	1459.472706	-0.41218743	8.86E-07	6.15E-06	Zfp1
ENSMUSG00000026102.9	268.9902825	-0.961828799	8.93E-07	6.19E-06	Inpp1
ENSMUSG00000020886.17	3230.88053	-0.311698316	8.95E-07	6.20E-06	Dlg4
ENSMUSG00000022010.19	1911.494654	-0.365420088	8.97E-07	6.21E-06	Tsc22d1
ENSMUSG00000027797.15	1362.462782	-0.441663909	8.97E-07	6.21E-06	Dcl1
ENSMUSG00000064145.12	3317.919489	0.2971054	9.04E-07	6.26E-06	Arih2
ENSMUSG00000032883.15	11544.19899	0.22183608	9.09E-07	6.29E-06	Acsl3
ENSMUSG00000039989.7	322.753492	0.830818235	9.15E-07	6.33E-06	Cbx4
ENSMUSG00000079184.10	4996.589461	0.258337641	9.22E-07	6.38E-06	Mphosph8
ENSMUSG00000034974.13	2229.471038	0.3426636	9.23E-07	6.38E-06	Dapk3
ENSMUSG00000079020.9	2727.594519	0.326003136	9.25E-07	6.39E-06	Slc45a4
ENSMUSG00000053297.14	30.98633877	3.136074951	9.26E-07	6.40E-06	RP24-124B23.4
ENSMUSG00000020723.3	655.8234396	-0.59927829	9.26E-07	6.40E-06	Cacng4
ENSMUSG00000033060.15	834.234977	-0.537369775	9.26E-07	6.40E-06	Lmo7
ENSMUSG00000069306.5	88.24446831	1.623450765	9.27E-07	6.40E-06	Hist1h4m
ENSMUSG00000062761.7	3060.942237	-0.311139053	9.42E-07	6.50E-06	Zfp512
ENSMUSG00000081957.5	533.349824	-0.670691747	9.48E-07	6.54E-06	Ak3l2-ps
ENSMUSG00000030341.17	1570.335833	-0.406398091	9.49E-07	6.54E-06	Tnfrsf1a

ENSMUSG00000030317.8	230.2581377	-1.024890096	9.50E-07	6.55E-06	Timp4
ENSMUSG00000022519.14	1156.946922	0.462288164	9.50E-07	6.55E-06	Srl
ENSMUSG00000021258.10	4220.898372	0.270441795	9.54E-07	6.57E-06	Ccnk
ENSMUSG00000033307.7	27345.9413	-0.227543852	9.54E-07	6.57E-06	Mif
ENSMUSG00000026958.13	1205.504379	0.458346856	9.64E-07	6.64E-06	Dpp7
ENSMUSG00000063804.8	6014.121987	-0.259957959	9.67E-07	6.65E-06	Lin28b
ENSMUSG00000041763.14	6129.031021	0.245489489	9.71E-07	6.68E-06	Tpp2
ENSMUSG00000022849.5	2310.495162	-0.374916773	9.75E-07	6.71E-06	Hspbap1
ENSMUSG00000029840.8	6442.024113	0.24692223	9.79E-07	6.73E-06	Mtpn
ENSMUSG00000026020.9	12212.48262	-0.205628515	9.82E-07	6.75E-06	Nop58
ENSMUSG00000027180.12	4717.213954	-0.277929527	9.83E-07	6.76E-06	Fbxo3
ENSMUSG00000044700.15	6656.918544	-0.236475284	9.84E-07	6.76E-06	Tmem201
ENSMUSG00000034664.13	189.7595111	1.156959534	9.86E-07	6.77E-06	Itga2b
ENSMUSG00000021803.10	188.1259844	-1.081952501	9.89E-07	6.79E-06	Cdhr1
ENSMUSG00000018238.6	34.65885237	2.947355218	9.91E-07	6.80E-06	Gdf9
ENSMUSG00000108506.1	2823.776719	0.33210871	9.92E-07	6.80E-06	RP23-207N2.1
ENSMUSG00000030102.11	9264.019831	-0.240281914	9.96E-07	6.83E-06	ltp1
ENSMUSG00000036225.14	376.4109904	-0.769747385	9.96E-07	6.83E-06	Kctd1
ENSMUSG00000050071.8	12863.92885	-0.236734488	9.96E-07	6.83E-06	Bex1
ENSMUSG00000089832.8	1742.302319	0.38073678	1.02E-06	6.96E-06	Shkbp1
ENSMUSG00000063904.3	5156.909634	0.253985644	1.02E-06	6.96E-06	Dpp3
ENSMUSG00000104394.2	196.5402414	-1.053969475	1.03E-06	7.03E-06	RP23-306B14.2
ENSMUSG00000038080.17	1149.827469	0.480827098	1.03E-06	7.07E-06	Kdm1b
ENSMUSG00000066108.7	25.99011633	4.232627179	1.03E-06	7.07E-06	Muc5b
ENSMUSG00000057788.13	2045.809238	0.357621817	1.03E-06	7.08E-06	Ddx49
ENSMUSG00000047751.9	5454.784259	-0.26961365	1.04E-06	7.11E-06	Utf1
ENSMUSG00000029798.11	622.4670472	-0.651969757	1.04E-06	7.11E-06	Herc6
ENSMUSG00000020115.3	1800.697691	0.375582939	1.06E-06	7.22E-06	Tbk1
ENSMUSG00000039756.12	4980.989848	0.256397522	1.07E-06	7.31E-06	Dnttip2
ENSMUSG00000085939.3	679.1579146	0.598695032	1.07E-06	7.31E-06	Cd63-ps
ENSMUSG00000070729.5	1350.641086	0.442019907	1.07E-06	7.31E-06	RP23-198O15.1
ENSMUSG00000071335.4	30.06777745	3.219058438	1.08E-06	7.37E-06	RP24-170A20.2
ENSMUSG00000071041.4	8605.010044	0.222718312	1.08E-06	7.40E-06	AC122514.1
ENSMUSG00000051279.2	135.3501952	-1.286992766	1.08E-06	7.40E-06	Gdf6
ENSMUSG00000028247.2	612.7880878	-0.608313341	1.09E-06	7.43E-06	Coq3
ENSMUSG00000023452.19	1353.478604	0.421372539	1.10E-06	7.48E-06	Pisd
ENSMUSG00000027506.15	3086.501066	-0.309194382	1.11E-06	7.56E-06	Tpd52
ENSMUSG00000069515.6	90.97079277	1.648508664	1.11E-06	7.58E-06	Lyz1
ENSMUSG00000021027.17	2373.975811	-0.339419491	1.12E-06	7.60E-06	Ralgapa1
ENSMUSG000000092981.1	216.8333163	-1.043198897	1.12E-06	7.63E-06	Mir5125
ENSMUSG00000024073.15	6614.162356	-0.296877872	1.12E-06	7.65E-06	Birc6
ENSMUSG00000058325.6	827.4740863	-0.520415764	1.13E-06	7.68E-06	Dock1
ENSMUSG00000018858.15	2253.416339	0.360296281	1.14E-06	7.72E-06	Ict1
ENSMUSG00000086784.2	1325.731027	0.438138954	1.14E-06	7.72E-06	Isoc2a
ENSMUSG00000019969.14	4609.034877	0.287312672	1.14E-06	7.74E-06	Psen1
ENSMUSG00000026927.17	1984.487816	0.372226699	1.16E-06	7.85E-06	Sdccag3
ENSMUSG00000070891.2	29.64002471	3.202288153	1.16E-06	7.85E-06	RP23-59N8.2
ENSMUSG00000005899.14	5031.98078	0.260239054	1.17E-06	7.93E-06	Smpd8
ENSMUSG00000015013.9	803.4192417	0.557335862	1.17E-06	7.93E-06	Trappc2l
ENSMUSG00000044770.14	26.8084637	3.985916435	1.17E-06	7.95E-06	Scml4
ENSMUSG00000022974.12	3611.779364	-0.287123447	1.17E-06	7.96E-06	Paxbp1
ENSMUSG00000027223.15	1908.899664	-0.368090127	1.18E-06	7.98E-06	Mapk8ip1
ENSMUSG00000091754.8	522.0846655	-0.645216046	1.18E-06	7.99E-06	RP23-198H15.2
ENSMUSG00000070372.11	5391.897375	0.24950169	1.19E-06	8.04E-06	Capza1
ENSMUSG00000006392.16	1858.959933	0.366579406	1.19E-06	8.10E-06	Med8
ENSMUSG00000037236.14	11933.66651	-0.203351337	1.20E-06	8.13E-06	Matr3
ENSMUSG00000103857.1	187.1849151	1.099701719	1.20E-06	8.14E-06	RP23-114N1.5
ENSMUSG00000031729.6	3880.635743	0.291004832	1.21E-06	8.20E-06	Ist1
ENSMUSG00000034192.5	3103.832193	0.331156715	1.23E-06	8.29E-06	Lsm3
ENSMUSG00000019773.7	3779.316308	-0.27817318	1.23E-06	8.31E-06	Fbxo5
ENSMUSG00000113184.1	244.4715025	0.968497235	1.24E-06	8.37E-06	RP23-442M3.3
ENSMUSG00000025983.11	278.2604047	0.953947618	1.24E-06	8.38E-06	Ccdc150
ENSMUSG00000027248.13	29164.85365	0.213988018	1.24E-06	8.39E-06	Pdia3
ENSMUSG00000024501.19	918.1523549	-0.506883995	1.25E-06	8.43E-06	Dpysl3
ENSMUSG00000032786.16	572.8767637	0.630492278	1.25E-06	8.43E-06	Alas1
ENSMUSG00000051950.10	1409.721762	-0.409224524	1.25E-06	8.44E-06	B3glct
ENSMUSG00000026458.13	422.3698895	-0.714209256	1.25E-06	8.45E-06	Ppfia4
ENSMUSG00000054400.16	891.5653887	0.506950123	1.25E-06	8.45E-06	Cklf
ENSMUSG00000008398.15	287.200001	-0.877501255	1.26E-06	8.48E-06	Elk3
ENSMUSG00000021264.12	5877.570407	-0.266111879	1.26E-06	8.49E-06	Yy1

ENSMUSG00000069844.12	1863.613882	0.380465477	1.26E-06	8.52E-06	Sco1
ENSMUSG00000037316.9	2257.345257	-0.348494757	1.26E-06	8.52E-06	Bag4
ENSMUSG00000053334.6	345.9722783	0.795552993	1.27E-06	8.53E-06	Ficd
ENSMUSG00000027782.10	5044.635628	0.286565195	1.27E-06	8.54E-06	Kpna4
ENSMUSG00000046556.7	737.3886823	0.551571434	1.27E-06	8.54E-06	Zfp319
ENSMUSG00000023079.14	5088.294186	0.255922702	1.27E-06	8.58E-06	Gtf2ird1
ENSMUSG00000008958.14	1842.737311	-0.369742533	1.28E-06	8.64E-06	Vps72
ENSMUSG00000015568.16	3752.837088	-0.339171864	1.28E-06	8.64E-06	Lpl
ENSMUSG00000028461.12	1053.243787	0.564571454	1.30E-06	8.72E-06	Ccdc107
ENSMUSG00000025035.8	1788.176218	0.384829053	1.31E-06	8.79E-06	Arl3
ENSMUSG00000035310.15	1906.989823	0.395997582	1.31E-06	8.79E-06	Lin54
ENSMUSG00000008489.18	1389.425467	-0.430766177	1.31E-06	8.81E-06	Elavl2
ENSMUSG00000022272.17	7782.337802	0.230631967	1.31E-06	8.82E-06	Myo10
ENSMUSG00000005503.8	94.70516879	-1.522749419	1.31E-06	8.83E-06	Evx1
ENSMUSG000000093910.2	19.09700792	7.618683607	1.32E-06	8.88E-06	Zfp853
ENSMUSG00000026393.10	1642.116335	-0.427924736	1.32E-06	8.89E-06	Nek7
ENSMUSG00000025156.17	7872.793634	0.233709313	1.33E-06	8.91E-06	Gps1
ENSMUSG00000029600.10	867.7392809	0.515668014	1.33E-06	8.92E-06	Rita1
ENSMUSG000000087071.1	147.6138865	-1.19858373	1.33E-06	8.93E-06	Trp73os
ENSMUSG000000084957.2	938.1647445	0.504780475	1.34E-06	8.96E-06	Bbip1
ENSMUSG00000029247.17	18720.75833	-0.185381915	1.34E-06	8.99E-06	Paics
ENSMUSG00000039954.8	276.0786769	-0.892150304	1.35E-06	9.02E-06	Stk32a
ENSMUSG00000019261.3	3844.780852	0.280634673	1.35E-06	9.04E-06	Map1s
ENSMUSG000000083610.1	417.7371495	0.720383122	1.35E-06	9.06E-06	Oaz2-ps
ENSMUSG000000049295.17	3871.837875	-0.303292693	1.38E-06	9.23E-06	Zfp219
ENSMUSG00000007415.15	4549.374561	0.266465632	1.38E-06	9.26E-06	Gatad1
ENSMUSG00000017716.15	5916.974767	0.250300886	1.39E-06	9.27E-06	Birc5
ENSMUSG00000057342.15	1339.528747	0.424020531	1.39E-06	9.29E-06	Sphk2
ENSMUSG00000024135.9	1696.94332	-0.377627035	1.39E-06	9.31E-06	Srbd1
ENSMUSG00000036450.4	3040.548866	0.303848081	1.39E-06	9.31E-06	Hif1an
ENSMUSG00000026496.11	17919.32965	-0.200307933	1.40E-06	9.34E-06	Parp1
ENSMUSG00000018924.6	425.634826	-0.734575831	1.40E-06	9.36E-06	Alox15
ENSMUSG00000022369.13	1730.149371	-0.387452933	1.41E-06	9.39E-06	Mtbp
ENSMUSG00000003316.14	24966.6082	-0.180617283	1.42E-06	9.48E-06	Glg1
ENSMUSG00000041592.16	350.9635957	-0.795100894	1.43E-06	9.57E-06	Sdk2
ENSMUSG00000097174.2	72.56300524	1.913362245	1.44E-06	9.57E-06	RP24-163M14.6
ENSMUSG00000008200.14	5081.480569	-0.256364759	1.44E-06	9.58E-06	Fnbp4
ENSMUSG00000029185.14	207.2735735	-1.039014192	1.44E-06	9.60E-06	Fam114a1
ENSMUSG00000026179.14	2817.657548	-0.314527221	1.45E-06	9.66E-06	Pnkd
ENSMUSG000000048827.12	49.79477962	2.562583071	1.45E-06	9.66E-06	Pkd113
ENSMUSG00000055653.13	11898.33147	-0.235332897	1.46E-06	9.74E-06	Gpc3
ENSMUSG00000010376.15	4938.781639	0.277701892	1.47E-06	9.77E-06	Nedd8
ENSMUSG00000079470.8	2520.735663	-0.344968975	1.47E-06	9.81E-06	Utp14b
ENSMUSG00000030846.15	6530.569963	-0.234373577	1.49E-06	9.92E-06	Tial1
ENSMUSG00000037552.17	3045.971462	-0.302530539	1.49E-06	9.94E-06	Plekhg2
ENSMUSG00000020219.7	3708.297464	0.280387069	1.49E-06	9.94E-06	Timm13
ENSMUSG00000028292.14	1627.220545	0.437184013	1.50E-06	9.95E-06	Rars2
ENSMUSG00000024172.10	235.50675	-0.95935725	1.50E-06	9.95E-06	St6gal2
ENSMUSG00000021376.11	809.7144159	0.533246903	1.50E-06	9.95E-06	Tpmt
ENSMUSG00000025521.15	1385.29834	0.418958882	1.50E-06	9.97E-06	Tmem192
ENSMUSG00000029097.11	634.1869529	0.597669167	1.50E-06	9.97E-06	Trmt44
ENSMUSG00000050017.11	4938.822011	0.275641828	1.51E-06	1.00E-05	Pitpnb
ENSMUSG00000075600.3	860.5453806	0.507202215	1.53E-06	1.02E-05	Zc3h3
ENSMUSG00000027087.11	2303.315125	-0.338504499	1.53E-06	1.02E-05	Itgav
ENSMUSG000000046157.13	264.0405346	-0.931444891	1.54E-06	1.02E-05	Tmem229b
ENSMUSG00000032459.9	1182.827124	0.461417719	1.54E-06	1.02E-05	Mrps22
ENSMUSG00000026463.17	400.2380592	-0.772466288	1.55E-06	1.03E-05	Atp2b4
ENSMUSG00000003865.16	2001.074957	-0.440441925	1.55E-06	1.03E-05	Gys1
ENSMUSG00000111291.1	420.85771	0.739174915	1.56E-06	1.03E-05	RP23-162P10.8
ENSMUSG00000000916.15	1151.178071	-0.444349322	1.56E-06	1.03E-05	Nsun5
ENSMUSG00000019373.11	4350.966143	0.263482409	1.56E-06	1.03E-05	Cops3
ENSMUSG000000062393.13	561.859081	-0.68522771	1.56E-06	1.03E-05	Dgkk
ENSMUSG000000032717.14	749.0728436	-0.553525813	1.57E-06	1.04E-05	Mdfi
ENSMUSG00000029131.14	5136.931876	0.267012844	1.57E-06	1.04E-05	Dnajb6
ENSMUSG00000091617.8	285.1618501	-0.865951488	1.57E-06	1.04E-05	RP23-78D19.4
ENSMUSG00000112880.1	33.05757872	2.87812861	1.58E-06	1.04E-05	RP23-168F21.4
ENSMUSG00000055128.15	987.490353	0.475233598	1.59E-06	1.05E-05	Cgrrf1
ENSMUSG00000039879.9	1322.607446	-0.415871502	1.59E-06	1.05E-05	Heca
ENSMUSG00000082396.4	43.31800809	2.403644403	1.59E-06	1.05E-05	Zfp389
ENSMUSG00000049624.14	1161.040615	0.453688336	1.60E-06	1.06E-05	Slc17a5

ENSMUSG00000084038.2	641.082192	-0.580631165	1.61E-06	1.06E-05	RP23-124G18.2
ENSMUSG00000032485.14	2325.043186	0.3322446	1.61E-06	1.06E-05	Scap
ENSMUSG00000025370.7	414.2383354	-0.711775731	1.62E-06	1.07E-05	Cdh9
ENSMUSG00000039765.15	682.2907261	-0.621220975	1.63E-06	1.07E-05	Cc2d2a
ENSMUSG00000033157.17	753.4019885	-0.547898196	1.63E-06	1.07E-05	Abhd10
ENSMUSG00000040594.19	1902.717597	-0.361056283	1.63E-06	1.07E-05	Ranbp17
ENSMUSG00000038065.13	819.3009844	-0.519051798	1.63E-06	1.08E-05	Mturn
ENSMUSG00000019996.17	940.4222962	-0.517707505	1.64E-06	1.08E-05	Map7
ENSMUSG00000028760.16	5879.148232	-0.238554776	1.64E-06	1.08E-05	Eif4g3
ENSMUSG00000038192.5	461.1111055	-0.682276422	1.65E-06	1.08E-05	Cer1
ENSMUSG00000009569.14	778.4981506	0.569674688	1.65E-06	1.08E-05	Mki2
ENSMUSG00000025328.9	569.4710203	0.648879664	1.65E-06	1.08E-05	Padi3
ENSMUSG00000051427.14	1004.492194	0.47541397	1.67E-06	1.10E-05	Ccdc157
ENSMUSG00000082896.1	21237.86664	0.181357679	1.68E-06	1.10E-05	AC124976.1
ENSMUSG00000005982.13	710.6387688	-0.581035351	1.68E-06	1.10E-05	Naa60
ENSMUSG00000021182.15	2415.300991	-0.352479727	1.68E-06	1.10E-05	Ccdc88c
ENSMUSG00000023973.13	2797.319293	0.316719982	1.69E-06	1.11E-05	Cnpy3
ENSMUSG00000079557.10	897.3607907	0.505357566	1.69E-06	1.11E-05	O2. Mrz
ENSMUSG00000032262.13	1882.864527	0.374711744	1.71E-06	1.12E-05	Elovl4
ENSMUSG00000031534.15	220.7409373	0.991812552	1.71E-06	1.12E-05	Smim19
ENSMUSG00000026980.15	2668.701574	-0.318432083	1.71E-06	1.12E-05	Ly75
ENSMUSG00000041617.10	93.37032832	1.578539616	1.72E-06	1.13E-05	Ccdc74a
ENSMUSG00000035671.6	4679.931124	0.261738412	1.72E-06	1.13E-05	Zswim4
ENSMUSG000000096954.1	658.5236718	-0.632693537	1.72E-06	1.13E-05	Gdap10
ENSMUSG00000031654.16	379.2084208	0.760178317	1.72E-06	1.13E-05	Cbln1
ENSMUSG00000028710.17	1243.61938	-0.430108169	1.74E-06	1.14E-05	Atpaf1
ENSMUSG00000024251.9	10423.43943	-0.224599259	1.75E-06	1.15E-05	Thada
ENSMUSG00000022723.16	751.1574636	-0.563222952	1.76E-06	1.15E-05	Crybg3
ENSMUSG00000022554.7	1885.169618	0.357036795	1.77E-06	1.16E-05	Hgh1
ENSMUSG00000001901.15	647.861297	-0.631107213	1.77E-06	1.16E-05	Kcnh6
ENSMUSG00000028126.16	2259.200164	0.335795151	1.78E-06	1.16E-05	Pip5k1a
ENSMUSG00000045312.12	362.1906163	-0.755317632	1.78E-06	1.16E-05	Lhfp12
ENSMUSG00000039367.11	4922.013887	0.252438838	1.78E-06	1.16E-05	Sec24c
ENSMUSG00000027677.17	3042.910005	-0.343677114	1.79E-06	1.17E-05	Ttc14
ENSMUSG00000037827.5	1359.187992	0.429723908	1.79E-06	1.17E-05	RP24-97D9.5
ENSMUSG00000054723.5	405.3546127	0.717595901	1.79E-06	1.17E-05	Vmac
ENSMUSG00000004896.16	1702.499252	0.380802137	1.79E-06	1.17E-05	Rrnad1
ENSMUSG00000041995.8	620.2252197	-0.596894177	1.80E-06	1.18E-05	Zbed3
ENSMUSG00000025024.6	2615.98093	0.319299748	1.80E-06	1.18E-05	Smndc1
ENSMUSG00000040964.16	616.477828	-0.596979069	1.82E-06	1.19E-05	Arhgef10l
ENSMUSG00000033629.6	3888.061736	0.270826092	1.83E-06	1.20E-05	Hacd3
ENSMUSG00000022150.16	892.4077612	-0.504948671	1.84E-06	1.20E-05	Dab2
ENSMUSG00000018736.14	2212.855318	0.342544912	1.84E-06	1.20E-05	Ndel1
ENSMUSG00000030505.17	2150.626323	0.350205476	1.85E-06	1.20E-05	Prmt3
ENSMUSG00000029186.12	3249.391945	0.301951853	1.86E-06	1.21E-05	Pi4k2b
ENSMUSG00000027522.15	3868.559137	-0.277316327	1.86E-06	1.21E-05	Stx16
ENSMUSG00000044950.7	2983.040932	-0.30792628	1.87E-06	1.22E-05	Pwwp2a
ENSMUSG00000037808.13	2646.60027	-0.361991881	1.87E-06	1.22E-05	Fam76b
ENSMUSG00000026914.15	5081.396725	0.265501417	1.90E-06	1.23E-05	Psmd14
ENSMUSG00000036834.16	1423.112421	-0.402205186	1.90E-06	1.24E-05	Plch1
ENSMUSG00000013160.7	2890.218607	0.341113071	1.92E-06	1.25E-05	Atp6v0d1
ENSMUSG00000040532.14	485.7492332	0.666909166	1.92E-06	1.25E-05	Abhd11
ENSMUSG00000034833.10	832.9202266	-0.519064444	1.92E-06	1.25E-05	Tespa1
ENSMUSG00000022197.16	344.8035072	0.83713771	1.92E-06	1.25E-05	Pdzd2
ENSMUSG00000025318.13	492.5410961	-0.682676209	1.93E-06	1.26E-05	Jph3
ENSMUSG00000020357.3	1955.591451	0.353406969	1.94E-06	1.26E-05	Flt4
ENSMUSG00000020936.8	10969.0171	0.201595786	1.94E-06	1.26E-05	Nmt1
ENSMUSG00000033964.12	1560.447209	0.3888763	1.94E-06	1.26E-05	Zbtb41
ENSMUSG00000017978.18	235.2937824	0.94291366	1.95E-06	1.26E-05	Cadps2
ENSMUSG000000110791.1	30.44193361	3.103496848	1.97E-06	1.28E-05	RP23-255F14.4
ENSMUSG00000029388.14	3112.963085	0.309042173	1.97E-06	1.28E-05	Eif2b1
ENSMUSG00000046329.14	1362.788486	-0.406998851	1.98E-06	1.28E-05	Slc25a23
ENSMUSG00000029836.15	10821.58362	-0.207267601	2.00E-06	1.30E-05	Cbx3
ENSMUSG00000025892.16	697.1774643	-0.552290662	2.02E-06	1.31E-05	Gria4
ENSMUSG00000041329.13	2308.558679	-0.337986582	2.03E-06	1.31E-05	Atp1b2
ENSMUSG0000002658.9	3376.326118	0.320627647	2.05E-06	1.33E-05	Gtf2f1
ENSMUSG00000025201.7	460.2462838	0.711382244	2.05E-06	1.33E-05	Bloc1s2-ps
ENSMUSG00000064288.4	115.096066	1.346524855	2.06E-06	1.33E-05	Hist1h4k
ENSMUSG00000030630.16	538.2743924	-0.65115841	2.06E-06	1.33E-05	Fah
ENSMUSG00000035632.16	3601.938095	-0.282916111	2.06E-06	1.33E-05	Cnot3

ENSMUSG00000085880.4	17.82582413	7.51806817	2.06E-06	1.33E-05	RP23-408K4.4
ENSMUSG00000022906.15	358.2301664	-0.792209758	2.07E-06	1.34E-05	Parp9
ENSMUSG00000026694.19	1777.306248	-0.377066388	2.08E-06	1.34E-05	Mett113
ENSMUSG00000079224.5	1270.779048	0.43139271	2.08E-06	1.34E-05	RP24-114M8.2
ENSMUSG00000041703.7	1759.044301	-0.364324868	2.08E-06	1.34E-05	Zic5
ENSMUSG00000020434.4	105.6222114	1.432868607	2.09E-06	1.35E-05	RP23-128G5.3
ENSMUSG00000046404.5	946.9226027	0.486754437	2.11E-06	1.36E-05	Yod1
ENSMUSG00000040687.16	670.8001364	-0.559414564	2.12E-06	1.36E-05	Madd
ENSMUSG00000047250.13	124.0111338	-1.352243953	2.12E-06	1.36E-05	Ptgs1
ENSMUSG00000034023.16	5137.774095	-0.265410781	2.12E-06	1.37E-05	Fancd2
ENSMUSG00000006576.16	1211.635216	-0.430224142	2.13E-06	1.37E-05	Slc4a3
ENSMUSG00000055371.17	1728.484883	0.368441769	2.13E-06	1.37E-05	Stam2
ENSMUSG00000022505.9	2033.088455	-0.353514529	2.14E-06	1.38E-05	Emp2
ENSMUSG00000064357.1	144210.0326	0.188842958	2.15E-06	1.39E-05	mt-Atp6
ENSMUSG00000100862.1	173082.3126	0.186544018	2.17E-06	1.40E-05	RP23-8J15.3
ENSMUSG00000041096.13	2674.634771	0.324570925	2.19E-06	1.41E-05	Tspyl2
ENSMUSG00000020571.12	33069.66599	0.207681636	2.22E-06	1.43E-05	Pdia6
ENSMUSG00000015291.10	5813.507867	0.252369268	2.23E-06	1.43E-05	Gdi1
ENSMUSG00000002014.12	2705.892072	0.315041528	2.23E-06	1.43E-05	Ssr4
ENSMUSG00000002129.11	10954.65079	-0.20784953	2.24E-06	1.44E-05	Sf3a1
ENSMUSG00000074922.1	346.2806736	0.784865086	2.24E-06	1.44E-05	Fam122a
ENSMUSG00000103823.1	341.8286855	0.771518394	2.25E-06	1.45E-05	RP24-400J22.1
ENSMUSG00000016921.14	15784.22747	0.201565354	2.25E-06	1.45E-05	Srsf6
ENSMUSG000000031111.16	1324.456349	-0.42481371	2.28E-06	1.47E-05	Igsf1
ENSMUSG00000042035.11	4686.004214	-0.263774956	2.29E-06	1.47E-05	Igsf3
ENSMUSG00000054580.14	339.7783917	-0.787112767	2.29E-06	1.47E-05	Pla2r1
ENSMUSG00000068747.14	8890.626028	-0.212678168	2.29E-06	1.47E-05	Sort1
ENSMUSG00000021245.15	453.0239847	0.701440041	2.30E-06	1.48E-05	Mlh3
ENSMUSG00000031870.16	198.3394404	-1.007397429	2.34E-06	1.50E-05	Pgr
ENSMUSG00000026234.12	90283.79347	0.156843166	2.34E-06	1.50E-05	Ncl
ENSMUSG00000025161.16	27862.74363	-0.216805744	2.36E-06	1.51E-05	Slc16a3
ENSMUSG000000060090.16	1329.621658	-0.419059232	2.37E-06	1.52E-05	Rp2
ENSMUSG000000037075.7	1082.30486	-0.455678939	2.38E-06	1.52E-05	Rnf139
ENSMUSG00000034993.7	8909.70648	-0.233983236	2.39E-06	1.53E-05	Vat1
ENSMUSG00000096883.2	332.3336377	-0.797928649	2.40E-06	1.54E-05	Shisa8
ENSMUSG00000001247.16	3190.752369	0.294051713	2.41E-06	1.54E-05	Lsr
ENSMUSG00000042197.13	3308.431237	-0.283376179	2.42E-06	1.55E-05	Zfp451
ENSMUSG00000042363.14	1407.787291	-0.42021663	2.42E-06	1.55E-05	Lgalsl
ENSMUSG00000033498.14	124.1157602	-1.329870928	2.43E-06	1.55E-05	Strc
ENSMUSG000000024477.3	1049.632214	0.455097035	2.44E-06	1.56E-05	Pggt1b
ENSMUSG00000022437.7	7823.553347	0.226521456	2.45E-06	1.57E-05	Samm50
ENSMUSG00000094441.1	648.1527506	0.571620476	2.47E-06	1.58E-05	Zfp955a
ENSMUSG00000064037.13	2928.074972	0.299175382	2.47E-06	1.58E-05	Gpn1
ENSMUSG00000032643.12	530.5200154	-0.619527595	2.47E-06	1.58E-05	Fhl3
ENSMUSG00000032998.16	2498.817078	0.318716714	2.47E-06	1.58E-05	Foxj3
ENSMUSG00000035027.18	5161.463373	0.25956719	2.48E-06	1.58E-05	Map2k2
ENSMUSG00000030614.8	1110.215891	0.453334205	2.49E-06	1.59E-05	Tmem126b
ENSMUSG000000091472.2	653.3459574	-0.574131203	2.50E-06	1.59E-05	RP23-303C8.6
ENSMUSG00000069862.6	3809.051275	0.298122376	2.50E-06	1.60E-05	Rps12-ps9
ENSMUSG00000037750.16	1806.01646	0.362546755	2.52E-06	1.60E-05	Fam222b
ENSMUSG00000032336.17	3614.004651	0.281347215	2.55E-06	1.62E-05	Nptn
ENSMUSG00000024875.4	1893.365239	0.352144073	2.56E-06	1.63E-05	Yif1a
ENSMUSG00000023456.15	32033.96774	-0.203037724	2.57E-06	1.64E-05	Tpi1
ENSMUSG00000003348.10	268.7260801	0.873915631	2.59E-06	1.65E-05	Mob3a
ENSMUSG000000051154.11	218.5151954	1.01621698	2.60E-06	1.65E-05	Commd3
ENSMUSG00000025082.8	650.8049433	-0.560783187	2.60E-06	1.65E-05	Vwa2
ENSMUSG00000029071.16	3520.027543	-0.280738683	2.60E-06	1.65E-05	Dvl1
ENSMUSG00000020526.12	1287.416279	0.416945537	2.62E-06	1.66E-05	Znhit3
ENSMUSG00000041229.15	2830.123032	-0.307538963	2.62E-06	1.67E-05	Phf8
ENSMUSG00000079658.9	2769.772889	0.314236362	2.62E-06	1.67E-05	Eloc
ENSMUSG00000022678.16	4164.948558	0.270451884	2.64E-06	1.68E-05	Nde1
ENSMUSG00000028541.14	1365.500178	-0.401823474	2.66E-06	1.69E-05	B4galt2
ENSMUSG00000020921.6	3581.761584	0.282374174	2.66E-06	1.69E-05	Tmem101
ENSMUSG00000021266.16	6062.747885	0.254694955	2.66E-06	1.69E-05	Wars
ENSMUSG00000017466.9	1051.974934	-0.47796856	2.68E-06	1.70E-05	Timp2
ENSMUSG00000042605.16	3664.984624	-0.28307757	2.68E-06	1.70E-05	Atxn2
ENSMUSG00000024891.5	1538.555759	-0.383952281	2.68E-06	1.70E-05	Slc29a2
ENSMUSG00000029910.14	5403.462663	0.246120247	2.68E-06	1.70E-05	Mad2l1
ENSMUSG00000036036.15	2988.499903	-0.317222714	2.69E-06	1.70E-05	Zfp57
ENSMUSG00000021967.4	2002.269469	0.352769836	2.69E-06	1.71E-05	Mrpl57

ENSMUSG00000086657.2	57.93516008	1.956154225	2.70E-06	1.71E-05	Stamos
ENSMUSG00000037991.9	1464.482703	0.434746135	2.72E-06	1.72E-05	Rmi2
ENSMUSG00000037031.10	1152.685216	0.437498458	2.73E-06	1.73E-05	Tspan15
ENSMUSG00000054027.8	1028.704135	0.458384309	2.73E-06	1.73E-05	Nt5dc3
ENSMUSG00000022674.15	2862.284804	0.309670648	2.75E-06	1.74E-05	Ube2v2
ENSMUSG00000060657.8	4447.753191	0.255543652	2.76E-06	1.75E-05	Marf1
ENSMUSG00000052056.14	5000.685786	-0.252039067	2.78E-06	1.76E-05	Zfp217
ENSMUSG00000051220.2	2024.678938	0.347431796	2.78E-06	1.76E-05	Ercc6l
ENSMUSG00000040078.9	4420.335276	0.2611407	2.79E-06	1.76E-05	RP23-448G18.2
ENSMUSG00000075590.4	705.7362365	-0.541398993	2.79E-06	1.76E-05	Nrbp2
ENSMUSG00000025321.14	228.3974588	-0.958054257	2.79E-06	1.76E-05	Itgb8
ENSMUSG00000036667.14	2495.779499	-0.318568127	2.81E-06	1.77E-05	Tcaf1
ENSMUSG00000064367.1	52737.46977	0.187079218	2.82E-06	1.78E-05	mt-Nd5
ENSMUSG00000021759.14	562.8736288	0.602981805	2.82E-06	1.78E-05	Pipp1
ENSMUSG00000033502.14	579.6313246	-0.613996286	2.83E-06	1.79E-05	Cdc14a
ENSMUSG00000022206.7	520.3457107	-0.675999461	2.84E-06	1.79E-05	Npr3
ENSMUSG00000017453.4	1641.966724	-0.369734719	2.84E-06	1.79E-05	Pipox
ENSMUSG00000018340.13	4422.798855	-0.255895281	2.85E-06	1.79E-05	Anxa6
ENSMUSG00000019826.11	570.6464587	0.61642359	2.85E-06	1.79E-05	Zbtb24
ENSMUSG00000029554.15	1564.311468	0.401716115	2.85E-06	1.79E-05	Mad111
ENSMUSG00000034758.12	161.0055987	1.183560697	2.85E-06	1.80E-05	Tle6
ENSMUSG00000028974.13	1611.946019	0.375307184	2.87E-06	1.80E-05	Dffa
ENSMUSG00000094628.7	338.0823356	-0.793029631	2.87E-06	1.81E-05	RP24-70M22.1
ENSMUSG00000025743.14	940.0123582	-0.504090938	2.88E-06	1.81E-05	Sdc3
ENSMUSG000000110521.1	91.74301024	1.53217037	2.89E-06	1.81E-05	Olfir856-ps1
ENSMUSG00000034744.13	248.7595472	0.896084376	2.90E-06	1.82E-05	Nagk
ENSMUSG00000033128.9	1880.023564	-0.354607573	2.90E-06	1.82E-05	Gga1
ENSMUSG00000022160.18	2092.035956	0.344106234	2.91E-06	1.83E-05	Mettl3
ENSMUSG00000030245.10	6128.547662	0.237117842	2.92E-06	1.83E-05	Golt1b
ENSMUSG00000040459.11	8389.853332	-0.219518216	2.94E-06	1.84E-05	Arglu1
ENSMUSG00000074272.10	195.7255739	-1.025293809	2.94E-06	1.84E-05	Ceacam1
ENSMUSG00000011831.16	1557.491714	-0.395752515	2.95E-06	1.85E-05	Evi5
ENSMUSG00000038696.14	2343.994848	0.330206759	2.97E-06	1.86E-05	Mapkap1
ENSMUSG00000071072.12	17108.73094	0.192393551	2.97E-06	1.87E-05	Ptges3
ENSMUSG00000035936.6	612.1361766	-0.581466779	2.98E-06	1.87E-05	Aldh5a1
ENSMUSG00000043110.2	626.7958817	-0.573923624	2.98E-06	1.87E-05	Lrrn4
ENSMUSG00000029622.16	2513.969228	-0.328387224	2.98E-06	1.87E-05	Arpc1b
ENSMUSG000000110569.1	766.267008	0.53229769	3.00E-06	1.88E-05	RP23-162M13.9
ENSMUSG00000002980.14	4656.434332	0.279819535	3.00E-06	1.88E-05	Bcam
ENSMUSG00000031770.16	3673.307999	-0.305278621	3.00E-06	1.88E-05	Herpud1
ENSMUSG00000029038.9	2155.267291	0.338880993	3.01E-06	1.88E-05	Ssu72
ENSMUSG00000033319.5	2842.810357	-0.304303121	3.01E-06	1.88E-05	Fem1c
ENSMUSG00000059456.13	317.7812569	-0.805535715	3.02E-06	1.89E-05	Ptk2b
ENSMUSG00000022075.7	999.1456623	0.467838414	3.03E-06	1.89E-05	Rhobtb2
ENSMUSG00000003778.14	6467.949428	-0.243486101	3.04E-06	1.90E-05	Brd8
ENSMUSG00000003033.15	1977.009513	0.352730515	3.07E-06	1.92E-05	Ap1m1
ENSMUSG00000033799.10	4967.683926	-0.627303253	3.07E-06	1.92E-05	Fam208b
ENSMUSG00000032314.14	4135.48059	0.29863217	3.09E-06	1.93E-05	EtfA
ENSMUSG0000004994.12	509.4774945	0.62741104	3.11E-06	1.94E-05	Ccdc130
ENSMUSG00000031753.16	3328.015562	0.287069851	3.12E-06	1.94E-05	Cog4
ENSMUSG00000046027.17	962.7753539	-0.494249413	3.12E-06	1.94E-05	Stard5
ENSMUSG00000034248.7	3088.375386	-0.297095123	3.13E-06	1.95E-05	Slc25a37
ENSMUSG00000028318.14	1884.622199	0.361994819	3.14E-06	1.96E-05	Polr1e
ENSMUSG00000030057.15	19617.04005	0.183373757	3.14E-06	1.96E-05	Cnbp
ENSMUSG00000074698.10	13440.98989	-0.19647874	3.17E-06	1.98E-05	Csnk2a1
ENSMUSG00000083097.3	7246.3804	0.232927841	3.19E-06	1.98E-05	RP23-244H7.4
ENSMUSG00000035342.13	3313.981268	-0.282350699	3.20E-06	1.99E-05	Lzts2
ENSMUSG00000037892.13	680.491345	-0.561034549	3.21E-06	2.00E-05	Pcdh18
ENSMUSG00000021038.17	1654.0603	0.367791247	3.28E-06	2.04E-05	Vipas39
ENSMUSG000000110077.1	59.96700687	2.155226175	3.30E-06	2.06E-05	RP23-42113.3
ENSMUSG00000053062.16	299.2377412	-0.80949259	3.32E-06	2.06E-05	Jam2
ENSMUSG00000036862.15	629.3777609	-0.577633915	3.32E-06	2.06E-05	Dchs1
ENSMUSG000000091735.2	53.31300402	2.016043265	3.33E-06	2.07E-05	Gpr62
ENSMUSG00000027649.15	3761.936771	0.275983702	3.33E-06	2.07E-05	Ctnnbl1
ENSMUSG00000062031.13	678.1990042	-0.559944924	3.41E-06	2.12E-05	Athl1
ENSMUSG00000031584.16	4833.137257	-0.258948735	3.42E-06	2.12E-05	Gsr
ENSMUSG00000040136.10	732.2854867	-0.534023171	3.43E-06	2.13E-05	Abcc8
ENSMUSG00000047415.12	141.0497786	-1.197635087	3.43E-06	2.13E-05	Gpr68
ENSMUSG00000046550.8	937.0401633	-0.470294759	3.45E-06	2.14E-05	Spin2c
ENSMUSG00000025178.8	2679.027611	0.304382626	3.49E-06	2.16E-05	Pi4k2a

ENSMUSG00000001016.12	6215.820693	-0.230780007	3.50E-06	2.17E-05	Ilf2
ENSMUSG000000051236.13	184.7218638	1.0287794	3.53E-06	2.19E-05	MsrB3
ENSMUSG000000025978.14	273.3863892	-0.879354917	3.55E-06	2.20E-05	Rftn2
ENSMUSG000000019715.14	2389.33927	0.315469351	3.57E-06	2.21E-05	Gle1
ENSMUSG000000034928.16	12624.84149	-0.201009033	3.57E-06	2.21E-05	Rnf44
ENSMUSG000000025060.14	3574.198575	-0.286163695	3.59E-06	2.22E-05	Slk
ENSMUSG000000060981.7	104.9722534	1.384172651	3.60E-06	2.23E-05	Hist1h4h
ENSMUSG00000002109.14	329.7589857	-0.774697142	3.61E-06	2.24E-05	Ddb2
ENSMUSG000000006740.13	8923.66138	-0.232622787	3.64E-06	2.25E-05	Kif5b
ENSMUSG000000005683.8	10253.86317	0.20755887	3.64E-06	2.25E-05	Cs
ENSMUSG000000102752.1	139.623815	-1.259938811	3.66E-06	2.26E-05	RP23-124N16.6
ENSMUSG000000085882.1	394.0815435	0.70696352	3.69E-06	2.28E-05	RP23-192P17.5
ENSMUSG000000033257.14	9409.684072	-0.211914261	3.70E-06	2.29E-05	Ttll4
ENSMUSG000000038374.10	8527.784287	0.2386676	3.74E-06	2.31E-05	Rbm8a
ENSMUSG000000030722.7	1644.17798	0.373546654	3.77E-06	2.33E-05	Nfatc2ip
ENSMUSG000000030512.13	4585.190403	0.251743257	3.78E-06	2.34E-05	Snrpa1
ENSMUSG0000000060739.8	6827.382506	-0.240007563	3.84E-06	2.37E-05	Nsa2
ENSMUSG000000028847.8	1768.441177	0.354500039	3.86E-06	2.38E-05	Trappc3
ENSMUSG000000020393.16	3141.393801	0.295128478	3.87E-06	2.39E-05	Kremen1
ENSMUSG000000057572.15	1272.836274	0.424983324	3.90E-06	2.41E-05	Zbtb8os
ENSMUSG000000020375.9	1315.718188	0.440271512	3.91E-06	2.41E-05	Rufy1
ENSMUSG000000033883.11	826.3549625	0.501464502	3.94E-06	2.43E-05	RP23-218L17.1
ENSMUSG000000034825.14	104.2231374	1.40575462	3.95E-06	2.43E-05	Nrip3
ENSMUSG000000030528.12	5192.286233	-0.240513021	3.98E-06	2.45E-05	Blm
ENSMUSG000000027823.9	9296.231201	0.206261103	3.99E-06	2.46E-05	Gmps
ENSMUSG000000038683.16	3690.771543	0.267883577	3.99E-06	2.46E-05	Pak1ip1
ENSMUSG000000020109.13	2347.996858	-0.336578853	4.03E-06	2.48E-05	Dnajb12
ENSMUSG000000000708.14	978.0133024	-0.461497915	4.05E-06	2.50E-05	Kat2b
ENSMUSG000000023505.13	4146.636124	0.259680216	4.08E-06	2.51E-05	Cdca3
ENSMUSG000000052407.17	256.6140634	0.88254132	4.08E-06	2.51E-05	Ccdc171
ENSMUSG000000020781.14	1240.584915	0.421616599	4.11E-06	2.53E-05	Tsen54
ENSMUSG000000030254.16	2729.105186	0.300529931	4.11E-06	2.53E-05	Rad18
ENSMUSG000000074093.4	542.0130726	-0.605047366	4.12E-06	2.53E-05	Svip
ENSMUSG000000064057.12	22.57763341	4.338537168	4.12E-06	2.53E-05	Scgb3a1
ENSMUSG000000039512.11	3245.707723	-0.304521277	4.14E-06	2.55E-05	Uhrf1bp1
ENSMUSG000000031337.16	711.24042	-0.53477288	4.15E-06	2.55E-05	Mtm1
ENSMUSG000000024761.2	339.1584277	0.753174397	4.16E-06	2.56E-05	Gm16437
ENSMUSG000000030641.10	605.292258	0.574148517	4.17E-06	2.56E-05	Ddias
ENSMUSG000000009555.16	3631.95287	0.276498923	4.18E-06	2.57E-05	Cdk9
ENSMUSG000000030271.14	823.474653	0.52371636	4.19E-06	2.57E-05	Ogg1
ENSMUSG000000036309.14	15116.32292	0.194605368	4.22E-06	2.59E-05	Skp1a
ENSMUSG000000044477.11	2669.673377	0.316346441	4.23E-06	2.59E-05	Zfand3
ENSMUSG000000027456.8	86.1081746	1.529309576	4.26E-06	2.61E-05	Sdcbp2
ENSMUSG000000027827.16	86.98017397	1.605840955	4.30E-06	2.63E-05	Kcnab1
ENSMUSG000000019851.8	522.8030852	-0.627917881	4.31E-06	2.64E-05	Perp
ENSMUSG000000041012.4	859.9365155	-0.505224417	4.33E-06	2.65E-05	Cmtm8
ENSMUSG000000027502.11	1988.766933	0.336736848	4.34E-06	2.66E-05	Rtfcd1
ENSMUSG000000086922.2	4658.999228	0.250629138	4.37E-06	2.68E-05	RP23-459L15.3
ENSMUSG000000021192.16	1197.955159	0.427353008	4.39E-06	2.68E-05	Golga5
ENSMUSG000000081137.3	1558.564546	0.37268215	4.39E-06	2.68E-05	RP23-37L2.3
ENSMUSG000000032092.5	237.6249805	-0.898012571	4.40E-06	2.69E-05	Mpzl2
ENSMUSG000000020680.15	13991.4706	-0.204468637	4.41E-06	2.70E-05	Taf15
ENSMUSG000000017713.9	163.9379997	1.106156636	4.41E-06	2.70E-05	Tha1
ENSMUSG000000094626.1	46.26667191	-2.188898148	4.42E-06	2.70E-05	Cecr1
ENSMUSG000000026470.14	2234.554398	0.352685708	4.42E-06	2.70E-05	Stx6
ENSMUSG000000005410.6	12211.91236	-0.193706817	4.43E-06	2.70E-05	Mcm5
ENSMUSG000000047767.17	657.9980751	0.558987889	4.43E-06	2.70E-05	Atg16l2
ENSMUSG000000038623.9	348.946991	-0.780432904	4.46E-06	2.73E-05	Tm6sf1
ENSMUSG000000038552.14	845.5810327	-0.503549148	4.49E-06	2.74E-05	Fndc4
ENSMUSG000000042961.13	149.7223744	-1.144883288	4.50E-06	2.74E-05	Egflam
ENSMUSG000000033295.14	24421.23674	-0.183958744	4.55E-06	2.77E-05	Ptprf
ENSMUSG000000018286.6	15943.24691	0.182601937	4.58E-06	2.79E-05	Psmb6
ENSMUSG000000020952.10	1704.582193	0.359645357	4.59E-06	2.80E-05	Scfd1
ENSMUSG000000031879.14	1997.974398	0.355730935	4.59E-06	2.80E-05	Fam96b
ENSMUSG000000041168.9	13687.55059	0.193229221	4.61E-06	2.81E-05	Lonp1
ENSMUSG000000039105.6	3875.554176	0.288198993	4.62E-06	2.82E-05	Atp6v1g1
ENSMUSG000000019804.12	3436.145533	0.279328603	4.63E-06	2.82E-05	Snx3
ENSMUSG000000072964.14	3543.338174	-0.274061973	4.64E-06	2.83E-05	Bhlhb9
ENSMUSG000000024194.15	1741.39562	0.358391807	4.66E-06	2.83E-05	Cuta
ENSMUSG000000041445.9	24.03616326	3.58917602	4.66E-06	2.84E-05	Mmrn2

ENSMUSG00000048503.7	864.577292	0.514111859	4.68E-06	2.85E-05	Tmem136
ENSMUSG00000024570.6	1687.093118	0.360550586	4.70E-06	2.86E-05	Rbfa
ENSMUSG00000041287.5	29.77908023	2.942910259	4.74E-06	2.88E-05	Sox15
ENSMUSG00000061306.16	10328.53699	0.199387594	4.74E-06	2.88E-05	Slc38a10
ENSMUSG00000025375.15	276.6135017	-0.892148985	4.77E-06	2.90E-05	Aatk
ENSMUSG00000022361.14	785.3262585	-0.511178337	4.79E-06	2.91E-05	Zhx1
ENSMUSG00000044252.17	1217.03451	0.455419626	4.79E-06	2.91E-05	Osbpl1a
ENSMUSG00000047888.10	4789.795015	-0.278650236	4.80E-06	2.91E-05	Tnrc6b
ENSMUSG00000023852.14	9479.885487	-0.211219278	4.82E-06	2.93E-05	Chd1
ENSMUSG00000026305.15	2541.972773	-0.304730638	4.84E-06	2.94E-05	Lrrfp1
ENSMUSG00000028757.4	21871.25067	0.179716616	4.85E-06	2.94E-05	Ddost
ENSMUSG00000021532.11	918.1489384	0.472159768	4.85E-06	2.94E-05	Fastkd3
ENSMUSG00000020388.12	671.3400408	-0.565228921	4.85E-06	2.94E-05	Pdlim4
ENSMUSG00000031950.7	2714.806972	0.314879607	4.87E-06	2.95E-05	Gabrapl2
ENSMUSG00000002578.17	399.7863266	-0.692560094	4.90E-06	2.97E-05	Ikzf4
ENSMUSG00000017144.8	1936.366112	0.359574729	4.93E-06	2.98E-05	Rnd3
ENSMUSG00000021097.15	698.0556648	-0.538564164	4.93E-06	2.99E-05	Clmn
ENSMUSG00000062270.14	16955.67343	0.204182086	5.00E-06	3.03E-05	Morf41
ENSMUSG00000024887.9	81.83187125	-1.545330493	5.04E-06	3.05E-05	Asah2
ENSMUSG00000059588.13	73.62681872	-1.639348256	5.05E-06	3.05E-05	Calcr1
ENSMUSG00000024726.9	2410.001607	-0.312101614	5.07E-06	3.07E-05	Carnmt1
ENSMUSG00000018661.17	1816.904348	0.355032685	5.08E-06	3.07E-05	Cog1
ENSMUSG00000021824.13	2778.240054	0.299078041	5.09E-06	3.08E-05	Ap3m1
ENSMUSG000000060679.14	2823.442103	0.315130596	5.10E-06	3.08E-05	Mrps9
ENSMUSG000000051695.6	16765.92642	0.179919801	5.11E-06	3.08E-05	Pcbp1
ENSMUSG00000083012.8	1354.649885	0.392005122	5.11E-06	3.09E-05	Fam220a
ENSMUSG00000005045.16	423.8808127	-0.670972995	5.16E-06	3.12E-05	Chd5
ENSMUSG00000038555.7	1169.291922	-0.459218974	5.16E-06	3.12E-05	Reep2
ENSMUSG00000017550.14	4852.432564	-0.306323296	5.17E-06	3.12E-05	Atad5
ENSMUSG000000110165.1	21.85512904	3.958963425	5.21E-06	3.14E-05	RP23-121M22.6
ENSMUSG00000083325.3	703.2221206	-0.527838368	5.21E-06	3.15E-05	RP23-369H9.3
ENSMUSG00000026739.13	445.3130408	0.660160794	5.23E-06	3.15E-05	Bmi1
ENSMUSG00000022211.9	769.0085375	-0.511040672	5.24E-06	3.16E-05	Carni3
ENSMUSG00000054302.15	1936.689169	0.343812255	5.24E-06	3.16E-05	Eapp
ENSMUSG00000031657.16	3636.033976	0.264495743	5.25E-06	3.16E-05	Heatr3
ENSMUSG00000059119.9	8339.592176	0.209511128	5.27E-06	3.17E-05	Nap114
ENSMUSG00000020740.13	5388.538399	0.232287651	5.28E-06	3.18E-05	Gga3
ENSMUSG00000057457.11	69.7975545	1.765134015	5.29E-06	3.18E-05	Phex
ENSMUSG00000045532.5	411.4770257	-0.688732721	5.30E-06	3.19E-05	C1ql1
ENSMUSG00000040183.13	1259.741379	-0.403422656	5.33E-06	3.21E-05	Ankrd6
ENSMUSG00000037361.8	2584.846586	0.310340479	5.34E-06	3.21E-05	Sf3b6
ENSMUSG00000026319.13	1262.870515	-0.430773353	5.36E-06	3.22E-05	RP24-353D23.1
ENSMUSG00000010307.7	691.836706	0.558624391	5.37E-06	3.23E-05	Tmem86a
ENSMUSG00000007039.12	3664.668748	0.281874336	5.40E-06	3.24E-05	Ddah2
ENSMUSG00000035949.15	2174.063964	0.327559264	5.41E-06	3.25E-05	Fbxw2
ENSMUSG00000115602.1	579.423634	0.599305249	5.42E-06	3.26E-05	RP24-388K7.2
ENSMUSG00000024911.6	893.1449466	0.503101801	5.50E-06	3.30E-05	Fibp
ENSMUSG00000029028.14	2821.248173	0.310100229	5.50E-06	3.30E-05	Lrrc47
ENSMUSG00000031458.8	1502.784154	0.383795529	5.56E-06	3.34E-05	Coprs
ENSMUSG00000018239.9	1586.393672	0.36573553	5.60E-06	3.36E-05	Zcchc10
ENSMUSG00000063785.12	2742.434777	0.296365744	5.64E-06	3.38E-05	Utp14a
ENSMUSG00000025880.11	2184.772645	0.359323763	5.68E-06	3.40E-05	Smad7
ENSMUSG00000027995.10	126.8404785	-1.232211391	5.68E-06	3.41E-05	Tlr2
ENSMUSG00000019726.12	694.1967318	0.535783528	5.69E-06	3.41E-05	Lyst
ENSMUSG00000021832.8	6867.127622	0.219649561	5.72E-06	3.43E-05	Psmc6
ENSMUSG00000004268.11	8139.129131	0.206680573	5.78E-06	3.46E-05	Emg1
ENSMUSG00000028470.10	791.5275668	0.517268534	5.81E-06	3.48E-05	Hint2
ENSMUSG00000032446.14	1365.033327	-0.403477353	5.85E-06	3.50E-05	Eomes
ENSMUSG00000079283.2	332.5171885	0.782178596	5.85E-06	3.50E-05	RP24-214P19.2
ENSMUSG00000021367.8	196.2400294	-0.975836133	5.86E-06	3.51E-05	Edn1
ENSMUSG00000004895.9	4026.496342	0.256853187	5.89E-06	3.52E-05	Prc
ENSMUSG00000090939.1	15.14694516	7.284259293	5.90E-06	3.53E-05	RP23-263D5.2
ENSMUSG000000042682.9	2972.900753	0.2949222	5.91E-06	3.53E-05	Selk
ENSMUSG00000003346.14	2210.753331	0.331410064	5.93E-06	3.55E-05	Abhd17a
ENSMUSG00000011884.13	2211.710801	0.322421029	5.96E-06	3.56E-05	Gltp
ENSMUSG00000015202.13	2086.102952	-0.328353354	5.96E-06	3.56E-05	Cnksr3
ENSMUSG00000036214.14	447.6150032	0.657354808	5.98E-06	3.57E-05	Znrd1as
ENSMUSG00000023118.15	9610.927334	-0.197659117	6.00E-06	3.58E-05	Sympk
ENSMUSG00000041650.15	746.8195061	-0.514107989	6.00E-06	3.58E-05	Pcca
ENSMUSG00000091537.2	6768.539059	0.238840061	6.01E-06	3.58E-05	Tma7

ENSMUSG0000005846.12	10110.86033	0.202279333	6.03E-06	3.60E-05	Rsl1d1
ENSMUSG00000027714.11	1590.723085	0.370199416	6.04E-06	3.60E-05	Exosc9
ENSMUSG00000040102.10	561.8556991	-0.58484483	6.04E-06	3.60E-05	Khlh42
ENSMUSG00000018076.12	3655.815114	0.303627565	6.08E-06	3.62E-05	Med13l
ENSMUSG00000030956.15	625.9893334	-0.551419904	6.09E-06	3.63E-05	Fam53b
ENSMUSG00000031600.10	1537.71875	-0.375003695	6.13E-06	3.65E-05	Vps37a
ENSMUSG00000094595.1	198.2592653	-1.124323324	6.16E-06	3.67E-05	Fsbp
ENSMUSG00000020935.8	7840.547813	0.228832105	6.24E-06	3.72E-05	Dcackd
ENSMUSG00000024436.16	1161.982275	0.420970646	6.29E-06	3.74E-05	Mrps18b
ENSMUSG00000025487.15	6572.275738	0.218400435	6.30E-06	3.75E-05	Psmc13
ENSMUSG00000042428.6	479.5773927	-0.646717079	6.32E-06	3.76E-05	Mgat3
ENSMUSG00000041605.16	1129.797177	-0.43347134	6.33E-06	3.77E-05	AC124550.3
ENSMUSG00000020608.7	4462.738874	-0.256738141	6.35E-06	3.77E-05	Smc6
ENSMUSG00000030780.15	739.4187863	0.557094677	6.40E-06	3.80E-05	AC124566.2
ENSMUSG00000005566.14	38817.00534	0.162603702	6.42E-06	3.81E-05	Trim28
ENSMUSG00000034361.10	423.8101034	-0.662080252	6.42E-06	3.81E-05	Cpne2
ENSMUSG00000027593.15	11875.4914	0.18858693	6.44E-06	3.83E-05	Raly
ENSMUSG00000059474.13	14336.72168	-0.197866243	6.53E-06	3.88E-05	Mbt1
ENSMUSG00000034120.18	13038.45851	-0.216408032	6.55E-06	3.89E-05	Srsf2
ENSMUSG00000097814.5	65.0528848	-1.739740309	6.55E-06	3.89E-05	Panct2
ENSMUSG00000038963.15	1105.093618	-0.439066926	6.59E-06	3.91E-05	Slco4a1
ENSMUSG00000032348.6	4968.352298	-0.274001813	6.68E-06	3.96E-05	Gsta4
ENSMUSG00000008035.12	1487.345497	-0.37807189	6.74E-06	4.00E-05	Mid1ip1
ENSMUSG000000058690.14	1424.971398	0.383015558	6.77E-06	4.02E-05	Ccser2
ENSMUSG00000022765.10	570.2061016	0.59189303	6.81E-06	4.04E-05	Snape29
ENSMUSG00000026029.14	442.9557316	-0.672034049	6.83E-06	4.05E-05	Casp8
ENSMUSG00000029535.4	882.7102023	0.475527649	6.85E-06	4.06E-05	Triap1
ENSMUSG00000031284.16	1806.194449	-0.365895622	6.86E-06	4.06E-05	Pak3
ENSMUSG00000029705.17	2755.633816	0.297719429	6.88E-06	4.07E-05	Cux1
ENSMUSG00000034473.14	1168.949249	0.456293711	6.89E-06	4.08E-05	Sec22a
ENSMUSG00000045071.14	1628.551587	-0.361946313	6.91E-06	4.09E-05	RP23-354A20.1
ENSMUSG00000021745.14	2983.078836	-0.291793486	6.95E-06	4.11E-05	Ptprg
ENSMUSG00000032571.14	3159.025567	0.278425031	6.95E-06	4.11E-05	Pik3r4
ENSMUSG00000025208.8	1838.915067	0.385688892	6.96E-06	4.11E-05	Mrpl43
ENSMUSG00000034858.16	590.8704368	-0.595259098	6.96E-06	4.11E-05	Fam214a
ENSMUSG00000029471.13	926.1466733	-0.485394803	6.97E-06	4.12E-05	Camkk2
ENSMUSG00000066538.5	1341.905492	-0.392530923	6.98E-06	4.12E-05	RP23-18J12.3
ENSMUSG00000046791.8	715.9912188	-0.522178323	7.01E-06	4.14E-05	RP24-185O19.6
ENSMUSG00000024474.6	5391.283535	0.239371041	7.03E-06	4.15E-05	Ik
ENSMUSG00000080801.2	1924.822254	0.338469965	7.04E-06	4.15E-05	RP23-320I18.1
ENSMUSG00000037062.13	2858.519679	-0.296417937	7.08E-06	4.18E-05	Sh3glb1
ENSMUSG00000008496.19	305.1583272	-0.800946223	7.09E-06	4.18E-05	Pou2f2
ENSMUSG00000062300.14	5342.117524	0.259031039	7.09E-06	4.18E-05	Pvrl2
ENSMUSG00000052837.6	288.5875979	0.796184157	7.12E-06	4.19E-05	Junb
ENSMUSG00000028044.6	6114.452652	0.228256029	7.13E-06	4.20E-05	Cks1b
ENSMUSG00000040969.14	14.78746452	7.251048241	7.17E-06	4.23E-05	Arhgef38
ENSMUSG00000013629.16	17049.2196	-0.192611001	7.21E-06	4.25E-05	Cad
ENSMUSG00000031608.13	2644.88391	-0.307359047	7.21E-06	4.25E-05	Galt17
ENSMUSG00000018481.9	5760.103602	-0.241115781	7.22E-06	4.25E-05	Appbp2
ENSMUSG00000027247.16	1825.043921	0.342308654	7.22E-06	4.25E-05	Arhgap1
ENSMUSG00000030499.9	419.8231966	-0.751004797	7.23E-06	4.26E-05	Kctd15
ENSMUSG00000024600.8	136.805588	-1.193388167	7.23E-06	4.26E-05	Slc27a6
ENSMUSG00000092341.2	17486.78143	-0.455632783	7.26E-06	4.27E-05	Malat1
ENSMUSG00000022390.11	4604.531188	-0.242877073	7.28E-06	4.28E-05	Zc3h7b
ENSMUSG00000034863.9	1850.564228	-0.354810563	7.37E-06	4.33E-05	Ano8
ENSMUSG00000027016.17	409.3396185	-0.670553169	7.40E-06	4.35E-05	Zfp385b
ENSMUSG00000067547.6	5344.569315	0.243535472	7.41E-06	4.35E-05	AC158901.1
ENSMUSG00000030590.15	435.7197062	0.649101226	7.45E-06	4.38E-05	Fam98c
ENSMUSG00000038518.15	12335.32236	-0.200570792	7.51E-06	4.41E-05	Jarid2
ENSMUSG00000039968.9	1498.106092	-0.399661367	7.59E-06	4.46E-05	Rsb1l
ENSMUSG00000032386.15	1105.138703	-0.431392987	7.61E-06	4.46E-05	Trip4
ENSMUSG00000104814.1	328.7524385	-0.764346791	7.67E-06	4.50E-05	RP24-161C20.4
ENSMUSG00000038368.16	1683.944645	-0.353843888	7.71E-06	4.52E-05	Focad
ENSMUSG00000050605.17	470.519809	-0.627637389	7.84E-06	4.60E-05	Zfp61
ENSMUSG00000040434.16	1211.02106	-0.405614364	7.90E-06	4.63E-05	Gylt1b
ENSMUSG00000091568.8	249.3796931	-0.869820448	7.91E-06	4.63E-05	RP23-314N18.1
ENSMUSG00000032526.11	451.6690102	0.638485419	7.95E-06	4.66E-05	Ss18l2
ENSMUSG00000017493.12	3235.033832	-0.277552442	7.99E-06	4.68E-05	Igfbp4
ENSMUSG00000042659.15	1964.472358	0.3376367	8.01E-06	4.69E-05	Arrdc4
ENSMUSG00000045316.4	497.2980523	0.622498564	8.01E-06	4.69E-05	Fahd1

ENSMUSG00000040653.6	363.8672865	-0.715049701	8.01E-06	4.69E-05	Ppp1r14c
ENSMUSG00000055991.15	878.0805293	0.482719124	8.01E-06	4.69E-05	Zkscan5
ENSMUSG00000022763.18	268.0251444	-0.858312246	8.02E-06	4.69E-05	Aifm3
ENSMUSG00000090266.10	775.8892906	0.517561481	8.06E-06	4.72E-05	Mettl23
ENSMUSG00000037166.5	308.2765603	-0.80399065	8.07E-06	4.72E-05	Ppp1r14a
ENSMUSG00000036822.6	3233.72578	0.271179801	8.10E-06	4.73E-05	Topors
ENSMUSG00000029145.12	2494.035316	0.311186149	8.12E-06	4.74E-05	Eif2b4
ENSMUSG00000026816.14	1920.329568	0.332966634	8.18E-06	4.78E-05	Gtf3c5
ENSMUSG00000096910.1	715.3302856	0.52053242	8.24E-06	4.81E-05	Zfp955b
ENSMUSG00000061455.13	503.6169731	0.615375216	8.29E-06	4.84E-05	Stx17
ENSMUSG00000048264.16	2328.579344	-0.360248273	8.30E-06	4.85E-05	Dip2c
ENSMUSG00000037815.6	9738.625237	-0.195207224	8.36E-06	4.88E-05	Ctnna1
ENSMUSG00000101431.1	3887.952768	-0.274635195	8.42E-06	4.91E-05	AC118721.1
ENSMUSG00000036790.5	142.6268051	-1.158264832	8.45E-06	4.93E-05	Slitrk2
ENSMUSG00000041372.10	478.161384	-0.63450239	8.51E-06	4.96E-05	B4galnt3
ENSMUSG00000048371.8	2344.054409	0.305353923	8.56E-06	4.99E-05	Pdp2
ENSMUSG00000038121.6	2443.102156	-0.311739851	8.59E-06	5.01E-05	Fam210a
ENSMUSG00000064372.1	659.0707371	-0.555641922	8.66E-06	5.05E-05	mt-Tp
ENSMUSG00000036120.10	547.5173002	0.613191311	8.68E-06	5.05E-05	Rfxank
ENSMUSG00000026519.16	6447.61577	-0.233376242	8.70E-06	5.06E-05	Tmem63a
ENSMUSG00000044229.9	99.81951393	1.373639256	8.70E-06	5.07E-05	Nxpe4
ENSMUSG00000066037.14	7879.57766	-0.217517025	8.73E-06	5.08E-05	Hnrnpr
ENSMUSG00000046671.8	3227.277951	0.277305386	8.76E-06	5.10E-05	Mtfr1l
ENSMUSG00000036835.7	1759.571536	0.355138392	8.76E-06	5.10E-05	Psenen
ENSMUSG00000000194.13	4074.628267	0.250481799	8.77E-06	5.10E-05	Gpr107
ENSMUSG00000021965.3	1463.997108	0.370548425	8.78E-06	5.11E-05	Ska3
ENSMUSG0000004270.13	8861.206973	0.198559916	8.79E-06	5.11E-05	Lpcat3
ENSMUSG00000021124.13	1378.7873	0.390207234	8.83E-06	5.13E-05	Vti1b
ENSMUSG00000048351.14	1517.470055	0.368234049	8.83E-06	5.13E-05	Coa7
ENSMUSG00000039623.13	722.5203681	0.513586537	8.95E-06	5.20E-05	Ap5z1
ENSMUSG00000021597.16	819.0547079	-0.485193256	9.01E-06	5.23E-05	Sif1
ENSMUSG00000023967.9	1793.598048	0.338728065	9.03E-06	5.24E-05	Mrps18a
ENSMUSG00000044066.14	3420.664393	-0.276672634	9.05E-06	5.25E-05	Cep68
ENSMUSG00000027968.11	11138.65952	-0.209775424	9.08E-06	5.27E-05	Larp7
ENSMUSG00000034570.12	81.89754227	-1.531765117	9.08E-06	5.27E-05	Inpp5j
ENSMUSG00000031903.7	1652.829726	0.361300204	9.13E-06	5.30E-05	Pla2g15
ENSMUSG00000060073.9	9131.212063	0.199983039	9.17E-06	5.31E-05	Psma3
ENSMUSG00000057722.17	99.23539086	1.367202639	9.18E-06	5.32E-05	Lepr
ENSMUSG00000053338.9	65.50021507	1.738623139	9.22E-06	5.34E-05	Tarm1
ENSMUSG00000031428.11	1076.032155	-0.421498557	9.24E-06	5.35E-05	Zcchc18
ENSMUSG00000036941.2	512.9974662	0.604978105	9.24E-06	5.35E-05	Elac1
ENSMUSG00000032463.10	1194.077711	0.414671513	9.25E-06	5.35E-05	Faim
ENSMUSG00000032252.14	2304.668032	-0.317194661	9.26E-06	5.36E-05	Glce
ENSMUSG00000020610.16	2365.94953	0.309453018	9.30E-06	5.38E-05	Amz2
ENSMUSG00000054321.6	846.2162966	0.475396536	9.37E-06	5.42E-05	Taf4b
ENSMUSG00000022297.15	1567.402082	-0.356876223	9.38E-06	5.42E-05	Fzd6
ENSMUSG00000030562.17	131.7492754	-1.174043425	9.39E-06	5.43E-05	Nox4
ENSMUSG00000048920.8	2178.160257	-0.344263263	9.40E-06	5.43E-05	Fkrp
ENSMUSG00000069520.6	946.6760949	0.476402718	9.42E-06	5.44E-05	Tmem19
ENSMUSG00000024261.5	122.2005683	-1.241580526	9.48E-06	5.48E-05	Syt4
ENSMUSG00000058966.13	799.4656158	-0.488727184	9.54E-06	5.51E-05	Fam57b
ENSMUSG00000032420.8	202.6281415	-0.933768982	9.54E-06	5.51E-05	Nt5e
ENSMUSG00000052102.14	1575.131794	0.358831564	9.58E-06	5.53E-05	Gnpda1
ENSMUSG00000026024.14	2698.675283	0.301064692	9.62E-06	5.55E-05	Als2
ENSMUSG00000022587.14	6014.394027	-0.227497303	9.62E-06	5.55E-05	Lyp6e
ENSMUSG00000083364.4	1710.043412	0.365104912	9.65E-06	5.57E-05	Llph-ps2
ENSMUSG00000030877.11	19.77695834	4.586923945	9.68E-06	5.58E-05	AC122248.4
ENSMUSG0000004221.16	1451.561827	0.382415687	9.73E-06	5.61E-05	Ikbkg
ENSMUSG00000025583.15	5451.869217	0.23760669	9.77E-06	5.63E-05	Rptor
ENSMUSG00000040482.16	1062.767006	0.423262709	9.78E-06	5.63E-05	Dxo
ENSMUSG00000072946.12	998.788427	0.451861349	9.84E-06	5.66E-05	Ptgr2
ENSMUSG00000037509.20	389.796337	-0.679993477	9.84E-06	5.67E-05	Arhgef4
ENSMUSG00000055763.9	1106.37729	0.420138979	1.01E-05	5.79E-05	RP23-239E13.3
ENSMUSG00000042032.13	4706.500187	-0.235893008	1.01E-05	5.80E-05	Mat2b
ENSMUSG00000021224.15	2051.056702	-0.324345839	1.02E-05	5.86E-05	Numb
ENSMUSG00000033554.17	838.328121	0.479637335	1.02E-05	5.87E-05	Dph5
ENSMUSG00000040151.9	3353.257005	0.264219065	1.02E-05	5.88E-05	Hs2st1
ENSMUSG00000086040.8	280.9181708	-0.800035384	1.03E-05	5.93E-05	Wipf3
ENSMUSG00000018449.12	804.4034383	0.489274595	1.03E-05	5.94E-05	Rpain
ENSMUSG00000043987.18	4088.108352	0.264005913	1.04E-05	5.95E-05	Cep164

ENSMUSG00000074141.13	27.31711612	2.924992722	1.04E-05	5.95E-05	Il4i1
ENSMUSG00000008393.9	4779.770041	0.24801113	1.04E-05	5.95E-05	Carhsp1
ENSMUSG000000034781.5	3280.819557	0.276519633	1.04E-05	5.97E-05	Gna11
ENSMUSG000000062762.16	1771.702566	0.34354854	1.04E-05	5.98E-05	Ei24
ENSMUSG000000084159.1	1965.392298	0.330064348	1.04E-05	5.99E-05	RP23-238I12.2
ENSMUSG000000042436.12	369.3378649	-0.700163231	1.05E-05	6.01E-05	Mfap4
ENSMUSG000000058638.14	2068.615199	-0.325935917	1.06E-05	6.06E-05	Zfp110
ENSMUSG000000036180.15	7120.457376	0.215693338	1.06E-05	6.06E-05	Gatad2a
ENSMUSG000000033364.13	3669.538765	0.27889246	1.06E-05	6.08E-05	Usp37
ENSMUSG000000053929.17	4613.850845	0.254255579	1.06E-05	6.09E-05	Cyhr1
ENSMUSG000000037720.16	3533.717201	0.284401831	1.07E-05	6.12E-05	Tmem33
ENSMUSG000000090658.7	13.76947736	7.146444281	1.07E-05	6.15E-05	Prss47
ENSMUSG000000022351.14	13830.76562	0.178842537	1.07E-05	6.15E-05	Sqle
ENSMUSG000000039163.10	638.9349722	0.541430637	1.08E-05	6.16E-05	Cmc1
ENSMUSG000000081603.1	17254.41454	0.19080211	1.08E-05	6.17E-05	RP23-152G20.2
ENSMUSG000000029003.11	1963.052679	0.325199301	1.08E-05	6.19E-05	Mad2l2
ENSMUSG000000056629.15	2181.23848	0.338402742	1.08E-05	6.19E-05	Fkbp2
ENSMUSG000000018166.8	1398.829756	-0.379081896	1.08E-05	6.19E-05	Frbp3
ENSMUSG000000049092.11	110.1374745	-1.29616193	1.09E-05	6.23E-05	Gpr137c
ENSMUSG000000082264.1	478.0104064	-0.615838256	1.09E-05	6.23E-05	RP23-149D11.8
ENSMUSG000000044224.16	3364.736332	-0.266937128	1.10E-05	6.26E-05	Dnajc21
ENSMUSG000000039653.9	37.98367631	2.32249359	1.10E-05	6.27E-05	Baat
ENSMUSG000000036206.12	4445.301303	-0.261161315	1.10E-05	6.27E-05	Sh3bp4
ENSMUSG000000086965.1	199.3533882	-0.934947584	1.10E-05	6.27E-05	RP23-432E14.2
ENSMUSG000000017764.2	967.9816726	0.442350408	1.10E-05	6.29E-05	Zswim1
ENSMUSG000000022403.15	15975.8697	0.177757904	1.11E-05	6.32E-05	St13
ENSMUSG000000023286.16	5124.267248	0.229063111	1.11E-05	6.33E-05	Ube2j2
ENSMUSG000000019699.16	2999.866756	-0.306706518	1.12E-05	6.36E-05	Akt3
ENSMUSG000000022203.7	1050.486649	-0.431770665	1.12E-05	6.38E-05	Efs
ENSMUSG000000048787.13	884.8624787	0.471134087	1.12E-05	6.38E-05	Dcun1d3
ENSMUSG000000033671.18	2139.998841	0.325266842	1.12E-05	6.39E-05	Cep350
ENSMUSG000000025235.8	942.2286492	0.452095871	1.13E-05	6.43E-05	Bbs4
ENSMUSG000000034064.14	2373.364778	0.322076865	1.13E-05	6.43E-05	Poglut1
ENSMUSG000000036403.15	1361.443095	-0.386441723	1.13E-05	6.44E-05	Cep135
ENSMUSG000000007946.11	247.5093299	-0.837543266	1.14E-05	6.51E-05	Phox2a
ENSMUSG000000041649.13	1186.756484	-0.422169707	1.15E-05	6.54E-05	Klf8
ENSMUSG000000019338.13	3345.425278	-0.287858844	1.15E-05	6.56E-05	Zfp687
ENSMUSG000000035545.13	6444.344965	-0.212072646	1.16E-05	6.61E-05	Leng8
ENSMUSG000000028101.18	635.2376948	-0.539703649	1.17E-05	6.64E-05	Pias3
ENSMUSG000000029199.11	1861.788217	0.350916407	1.18E-05	6.73E-05	Lias
ENSMUSG000000024312.9	5010.448535	0.25324798	1.18E-05	6.73E-05	Wdr46
ENSMUSG000000073968.4	711.0588439	0.508611655	1.19E-05	6.75E-05	Trim68
ENSMUSG000000035274.13	807.6429992	-0.491638436	1.20E-05	6.79E-05	Tpbp
ENSMUSG000000031078.15	7682.156027	0.204473538	1.20E-05	6.81E-05	Ctn
ENSMUSG000000002307.15	2686.026369	0.291760718	1.20E-05	6.84E-05	Daxx
ENSMUSG000000099966.1	228.5387133	0.884902465	1.21E-05	6.86E-05	RP24-155O13.4
ENSMUSG000000050410.15	751.4221285	0.500955118	1.21E-05	6.88E-05	Tcf19
ENSMUSG0000000029178.14	733.6157396	-0.50939956	1.21E-05	6.88E-05	Klf3
ENSMUSG000000083240.3	1466.752932	0.375021704	1.21E-05	6.88E-05	RP23-154H8.1
ENSMUSG000000046962.16	1875.812453	0.328448318	1.21E-05	6.88E-05	Zbtb21
ENSMUSG000000024483.18	4903.810623	0.257192114	1.21E-05	6.88E-05	Ankhd1
ENSMUSG000000017631.18	3062.637879	-0.274316598	1.22E-05	6.90E-05	Abr
ENSMUSG000000023106.15	6036.640256	0.215560987	1.24E-05	7.00E-05	Denr
ENSMUSG000000015750.15	4750.667452	0.231865706	1.24E-05	7.00E-05	Aph1a
ENSMUSG000000029500.16	1196.802235	0.422207081	1.24E-05	7.01E-05	Pgam5
ENSMUSG000000096981.2	54.50654779	2.118050743	1.24E-05	7.01E-05	RP23-123D6.11
ENSMUSG000000040112.9	2121.825076	-0.331064924	1.24E-05	7.03E-05	Mrps35
ENSMUSG000000045275.15	137.4498307	1.152431394	1.25E-05	7.10E-05	Lca5l
ENSMUSG000000069729.14	2301.481481	-0.325667392	1.26E-05	7.13E-05	Arid1b
ENSMUSG000000021645.16	2190.930428	0.307935754	1.27E-05	7.17E-05	Smn1
ENSMUSG000000020523.14	3095.44212	0.270000607	1.28E-05	7.24E-05	Fam114a2
ENSMUSG000000081205.4	1405.445104	-0.376758001	1.29E-05	7.27E-05	RP23-273C23.1
ENSMUSG0000000068735.14	1250.824963	-0.406020182	1.29E-05	7.28E-05	Trp53i11
ENSMUSG000000032788.15	1267.21088	0.408847497	1.29E-05	7.30E-05	Pdxk
ENSMUSG000000024420.8	694.6001381	-0.505914783	1.30E-05	7.32E-05	Zfp521
ENSMUSG000000024212.8	2271.861765	0.303873955	1.30E-05	7.33E-05	Mlit1
ENSMUSG000000020392.8	4028.88877	0.271380599	1.30E-05	7.34E-05	Cdkn2aipnl
ENSMUSG000000010066.15	484.6751031	-0.603544117	1.30E-05	7.36E-05	Cacna2d2
ENSMUSG000000024259.8	1687.492607	-0.366332061	1.31E-05	7.37E-05	Slc25a46
ENSMUSG000000021917.16	2397.704997	0.338771647	1.31E-05	7.39E-05	Spcs1

ENSMUSG00000025372.16	483.4710097	0.630861996	1.31E-05	7.39E-05	Baiap2
ENSMUSG00000028964.14	6691.593441	0.230874177	1.31E-05	7.41E-05	Park7
ENSMUSG00000033439.12	675.7672897	-0.530076102	1.31E-05	7.41E-05	Trmt13
ENSMUSG00000025812.17	2420.176269	-0.297574646	1.32E-05	7.41E-05	Pard3
ENSMUSG00000075312.4	217.8879071	0.911383389	1.32E-05	7.41E-05	RP23-143P18.2
ENSMUSG00000018543.8	32.32732266	2.726450075	1.32E-05	7.43E-05	RP23-386E10.4
ENSMUSG00000048416.15	398.1088108	0.679369728	1.34E-05	7.53E-05	Mlf1
ENSMUSG00000009739.17	433.8402496	-0.643768995	1.34E-05	7.54E-05	Pou6f1
ENSMUSG00000021257.14	1008.83223	-0.445370035	1.35E-05	7.57E-05	Angel1
ENSMUSG00000085627.2	573.5687297	0.564000953	1.35E-05	7.57E-05	RP23-222K9.1
ENSMUSG00000050973.11	356.9168619	0.705646709	1.36E-05	7.63E-05	Gdpgp1
ENSMUSG00000037936.15	8058.572262	0.214246418	1.37E-05	7.70E-05	Scarb1
ENSMUSG00000083863.1	36774.35299	0.207163713	1.37E-05	7.71E-05	RP23-407K8.4
ENSMUSG00000021763.17	198.230759	-0.974920382	1.37E-05	7.72E-05	RP23-464P12.1
ENSMUSG00000011382.8	707.9558308	-0.506081074	1.38E-05	7.74E-05	Dhdh
ENSMUSG00000078908.10	883.0579064	0.463501838	1.38E-05	7.76E-05	Mon1b
ENSMUSG00000049659.15	2350.984883	-0.302403981	1.39E-05	7.79E-05	Aftph
ENSMUSG00000079507.10	1089.277136	0.422730201	1.40E-05	7.88E-05	H2-Q1
ENSMUSG00000075040.9	926.2894146	0.443448815	1.41E-05	7.92E-05	Zfp408
ENSMUSG00000031628.9	4949.590042	-0.230784513	1.41E-05	7.92E-05	Casp3
ENSMUSG00000037692.14	1580.543087	-0.350331834	1.42E-05	7.99E-05	Ahdc1
ENSMUSG00000028893.8	3435.423775	-0.272254781	1.43E-05	7.99E-05	Sesn2
ENSMUSG00000044573.16	4017.022035	0.245929355	1.43E-05	8.00E-05	Acp1
ENSMUSG00000031434.15	1932.628036	-0.344660817	1.43E-05	8.02E-05	Morc4
ENSMUSG00000047454.12	796.6502678	-0.490396882	1.45E-05	8.12E-05	Gphn
ENSMUSG00000036712.15	1126.693075	-0.417773838	1.46E-05	8.15E-05	Cyld
ENSMUSG00000052812.5	2131.838272	-0.331170627	1.46E-05	8.15E-05	Atad2b
ENSMUSG00000063362.13	2811.196829	0.276385393	1.46E-05	8.15E-05	Alg11
ENSMUSG00000039523.16	1652.954786	0.365073231	1.46E-05	8.16E-05	Cep104
ENSMUSG00000102817.2	27.98331738	2.830421367	1.46E-05	8.19E-05	RP23-16I21.1
ENSMUSG00000037989.15	943.6316989	-0.450566379	1.48E-05	8.29E-05	Wnk2
ENSMUSG00000028653.16	1761.356985	-0.341469257	1.49E-05	8.33E-05	Trit1
ENSMUSG00000028273.15	1237.81602	-0.39432988	1.49E-05	8.34E-05	Pdlim5
ENSMUSG00000040028.10	5746.985935	0.217746751	1.49E-05	8.35E-05	Elavl1
ENSMUSG00000017132.17	498.7595227	0.59052979	1.49E-05	8.35E-05	Cyth1
ENSMUSG00000008976.16	4092.884745	-0.265194752	1.51E-05	8.42E-05	Gabpa
ENSMUSG00000027239.14	22850.74221	0.201159283	1.51E-05	8.43E-05	Mdk
ENSMUSG00000024472.9	4792.713345	-0.254856274	1.51E-05	8.45E-05	Dcp2
ENSMUSG00000035297.14	4235.896928	0.243284708	1.51E-05	8.46E-05	Cosp4
ENSMUSG00000024590.8	10481.72167	-0.189173607	1.52E-05	8.46E-05	Lmbn1
ENSMUSG00000019590.16	511.1109004	-0.601251332	1.52E-05	8.49E-05	Cyb561
ENSMUSG00000022889.7	2761.532535	0.310184953	1.52E-05	8.49E-05	Mrpl39
ENSMUSG00000023443.13	87.92596577	1.408593827	1.53E-05	8.51E-05	Esx1
ENSMUSG00000021650.7	1623.819617	0.3440029	1.53E-05	8.52E-05	Ptcd2
ENSMUSG00000032860.5	161.4158938	-1.058852122	1.53E-05	8.52E-05	P2ry2
ENSMUSG00000024565.8	610.8762746	-0.578442414	1.54E-05	8.59E-05	Sall3
ENSMUSG00000037652.15	1542.101577	-0.382843392	1.54E-05	8.60E-05	Phc3
ENSMUSG00000027411.17	4050.235747	0.257960997	1.56E-05	8.67E-05	Vps16
ENSMUSG00000038170.15	2754.369805	-0.309708279	1.56E-05	8.68E-05	Pde4dip
ENSMUSG00000021488.8	4997.496794	-0.253267403	1.56E-05	8.70E-05	Nsd1
ENSMUSG00000036299.4	3704.419458	0.251556477	1.57E-05	8.76E-05	BC031181
ENSMUSG00000030421.9	3911.330811	-0.250970825	1.58E-05	8.78E-05	Uri1
ENSMUSG00000043398.5	99.15705712	-1.356998275	1.58E-05	8.79E-05	Gpr135
ENSMUSG00000014763.8	760.2387195	0.481210333	1.58E-05	8.80E-05	Fam120b
ENSMUSG00000024190.6	2426.7601	-0.315402104	1.58E-05	8.80E-05	Dusp1
ENSMUSG00000020827.18	4064.309638	-0.247110549	1.58E-05	8.80E-05	Mink1
ENSMUSG00000075327.10	656.6770242	-0.520606295	1.59E-05	8.83E-05	Zbtb2
ENSMUSG00000031617.16	2718.945172	0.281686387	1.59E-05	8.84E-05	Tmem184c
ENSMUSG00000031596.15	180.5169266	-0.970695379	1.59E-05	8.85E-05	Slc7a2
ENSMUSG00000028936.15	20558.25714	-0.182027209	1.60E-05	8.87E-05	Rpl22
ENSMUSG00000028766.10	4472.804376	0.239729808	1.61E-05	8.96E-05	Alpl
ENSMUSG00000032479.15	7277.644026	0.203008137	1.61E-05	8.96E-05	Map4
ENSMUSG00000032519.11	1161.692759	0.397212551	1.62E-05	8.97E-05	Slc25a38
ENSMUSG00000092212.3	55.0784669	1.997466041	1.62E-05	8.98E-05	Slc22a13b-ps
ENSMUSG00000042520.16	7501.197391	-0.214731224	1.63E-05	9.03E-05	Ubpap2l
ENSMUSG00000108461.1	89.46418359	1.457421929	1.63E-05	9.06E-05	RP24-157O12.2
ENSMUSG00000034685.4	3116.592136	-0.271649603	1.64E-05	9.08E-05	Fam171a2
ENSMUSG00000025316.16	1423.075756	-0.373080602	1.65E-05	9.14E-05	Banp
ENSMUSG0000002028.13	7873.603547	-0.234599602	1.65E-05	9.15E-05	Kmt2a
ENSMUSG00000063160.12	1440.210639	0.387837776	1.65E-05	9.16E-05	Numb1

ENSMUSG00000066621.12	1151.85615	0.399237479	1.65E-05	9.16E-05	Tecpr1
ENSMUSG00000001098.15	1072.508382	0.414479846	1.66E-05	9.19E-05	Kctd10
ENSMUSG00000002731.6	1113.167606	-0.40765597	1.66E-05	9.21E-05	Prkra
ENSMUSG00000028962.14	2692.61316	0.280241348	1.66E-05	9.21E-05	Slc4a2
ENSMUSG00000026411.17	4972.014763	0.25404944	1.67E-05	9.22E-05	Tmem9
ENSMUSG00000040760.11	3159.767967	-0.279429942	1.67E-05	9.23E-05	Appl1
ENSMUSG00000033808.16	2737.115642	0.28426228	1.67E-05	9.24E-05	Tmem87a
ENSMUSG00000038615.17	27292.21227	0.159004677	1.67E-05	9.24E-05	Nfe2l1
ENSMUSG00000031293.13	52.62421318	1.939567165	1.68E-05	9.31E-05	Rs1
ENSMUSG00000035759.4	492.4440055	0.593622207	1.69E-05	9.34E-05	Bbs10
ENSMUSG00000022365.6	5371.393967	0.233545551	1.69E-05	9.34E-05	Derl1
ENSMUSG00000020585.4	15637.3542	0.211281954	1.70E-05	9.37E-05	Laptm4a
ENSMUSG00000058351.11	399.7496882	0.684428996	1.71E-05	9.45E-05	Smim4
ENSMUSG00000083176.1	20.6832985	3.591348044	1.73E-05	9.53E-05	RP23-399H5.10
ENSMUSG00000020869.8	16687.23016	0.1758737	1.73E-05	9.54E-05	Lrrc59
ENSMUSG00000000154.16	73.5026011	-1.530624867	1.73E-05	9.55E-05	Slc22a18
ENSMUSG00000020224.15	2612.197833	0.295286635	1.74E-05	9.57E-05	Llph
ENSMUSG00000001018.15	1399.640853	0.38317893	1.75E-05	9.68E-05	Snapin
ENSMUSG00000027580.17	354.2734698	-0.728386624	1.76E-05	9.70E-05	Helz2
ENSMUSG00000001416.13	20397.2155	0.174867928	1.79E-05	9.87E-05	Cct3
ENSMUSG00000029778.12	205.4467674	-0.921547116	1.80E-05	9.94E-05	Adcyap1r1
ENSMUSG00000071176.10	1229.679567	0.405454344	1.81E-05	9.95E-05	Arhgef10
ENSMUSG00000033777.4	13.34434135	7.10590118	1.82E-05	0.000100297	Tlr13
ENSMUSG00000032119.5	2104.025992	0.308170568	1.82E-05	0.000100392	Hinfp
ENSMUSG00000020289.15	1603.403795	0.344288012	1.82E-05	0.000100461	Nprl3
ENSMUSG00000058407.12	2617.909572	0.287490947	1.83E-05	0.000100487	Txndc9
ENSMUSG00000025613.13	28710.52477	0.160123287	1.83E-05	0.000100505	Cct8
ENSMUSG00000029152.13	7715.575837	0.203305303	1.84E-05	0.00010133	Ociad1
ENSMUSG00000034738.8	44.5153944	2.087393694	1.85E-05	0.000101948	Nostrin
ENSMUSG00000024187.14	2488.902071	0.290282849	1.86E-05	0.000102115	Fam234a
ENSMUSG00000004446.12	1328.997887	0.39055733	1.86E-05	0.000102386	Bid
ENSMUSG000000053414.8	968.1888624	-0.434914129	1.88E-05	0.000103058	Hunk
ENSMUSG00000050428.7	793.6518668	0.469543641	1.88E-05	0.000103493	Fbxo46
ENSMUSG00000027840.5	96.80896018	1.370239079	1.89E-05	0.000103824	Wnt2b
ENSMUSG00000006345.10	229.5376963	-0.877485155	1.89E-05	0.000104059	Ggt1
ENSMUSG00000048578.11	16361.23712	-0.17363037	1.90E-05	0.000104277	Mlec
ENSMUSG00000072591.10	108.9090071	-1.230741794	1.90E-05	0.000104519	AC122789.1
ENSMUSG00000032407.14	7012.40093	0.210077886	1.93E-05	0.000106133	U2surp
ENSMUSG000000027304.9	3759.817793	0.263199709	1.93E-05	0.000106135	Rtf1
ENSMUSG000000047368.3	1680.85209	-0.342529172	1.94E-05	0.000106571	Abhd17b
ENSMUSG00000020788.15	1304.744112	-0.384852947	1.95E-05	0.000106947	Atp2a3
ENSMUSG00000032320.7	10213.23496	0.205192369	1.95E-05	0.000106947	Rcn2
ENSMUSG00000024097.10	10061.0452	0.18735951	1.95E-05	0.000107116	Srsf7
ENSMUSG00000029607.14	78.10290922	1.50075697	1.96E-05	0.000107423	Ankrd61
ENSMUSG00000047417.17	4390.701242	0.237588677	1.96E-05	0.000107423	Rexo1
ENSMUSG00000052928.8	697.5250052	0.517255667	1.96E-05	0.000107496	Ctif
ENSMUSG00000051329.13	6679.855466	0.214289143	1.97E-05	0.000107598	Nup160
ENSMUSG00000031701.6	7097.713102	0.205555114	1.97E-05	0.000107655	Dnaj2
ENSMUSG00000024856.10	682.7689357	0.52023245	1.97E-05	0.00010799	Cdk2ap2
ENSMUSG00000029263.15	1278.89147	-0.382337159	1.98E-05	0.000108052	Pigg
ENSMUSG00000068394.4	1544.574811	-0.3615119	1.98E-05	0.000108108	Cep152
ENSMUSG00000060038.14	1475.583029	0.356341296	1.98E-05	0.00010828	Dhps
ENSMUSG00000031634.13	1734.368189	0.358113788	1.99E-05	0.000108723	Ufsp2
ENSMUSG00000052544.9	707.9339553	0.490668637	1.99E-05	0.000108732	St6galnac3
ENSMUSG000000070780.11	71.78994671	-1.584197887	1.99E-05	0.000108732	Rbm47
ENSMUSG00000022420.16	979.7304634	0.435121006	1.99E-05	0.000108849	Dnal4
ENSMUSG00000047909.11	1648.266621	-0.336867547	2.00E-05	0.000109087	Ankrd16
ENSMUSG00000025451.15	2474.191904	-0.286059925	2.00E-05	0.0001092	Paip1
ENSMUSG00000116898.1	39.50531048	2.181560671	2.00E-05	0.000109302	RP23-332O12.8
ENSMUSG00000009406.13	1468.662087	-0.369306019	2.00E-05	0.000109393	Elk1
ENSMUSG00000097796.1	127.9924401	-1.162333259	2.02E-05	0.000109941	Gm16702
ENSMUSG00000029328.15	12254.38229	-0.177445621	2.03E-05	0.000110445	Hnrnpdl
ENSMUSG000000046572.10	3468.112231	-0.27400352	2.03E-05	0.000110445	Zfp518b
ENSMUSG00000042622.14	1274.416153	0.395919458	2.03E-05	0.00011085	Maff
ENSMUSG00000000142.15	1219.39937	-0.412137462	2.04E-05	0.000110955	Axin2
ENSMUSG00000018572.10	4039.029926	0.239421824	2.04E-05	0.000111028	Phf23
ENSMUSG00000090363.8	282.4122654	-0.778225664	2.04E-05	0.000111288	RP23-9D13.5
ENSMUSG00000000552.10	1111.470418	0.417870904	2.04E-05	0.000111354	Zfp385a
ENSMUSG00000003731.13	5485.656497	-0.224980547	2.05E-05	0.000111617	Kpna6
ENSMUSG00000034793.15	348.4111066	-0.711542318	2.06E-05	0.000111883	G6pc3

ENSMUSG00000052214.9	1600.6409	0.348676066	2.06E-05	0.000111995	Opa3
ENSMUSG00000036873.13	902.9540829	0.447197369	2.07E-05	0.000112438	AC123684.1
ENSMUSG00000021719.9	201.6995052	-0.904249808	2.07E-05	0.000112848	Rgs7bp
ENSMUSG00000071657.12	1873.87243	0.323575959	2.08E-05	0.000113123	Bscl2
ENSMUSG00000011832.15	440.5802811	0.644432709	2.08E-05	0.000113273	Evi5l
ENSMUSG00000049916.12	1484.577815	-0.364168915	2.09E-05	0.000113816	RP23-153F8.13
ENSMUSG000000108049.1	82.18101477	-1.490540559	2.11E-05	0.000114739	RP23-226O20.9
ENSMUSG00000020439.17	1787.296989	0.333218234	2.11E-05	0.000114855	Smtn
ENSMUSG000000101750.3	18.28280528	4.465011989	2.12E-05	0.000115012	Olf1392
ENSMUSG00000026577.13	1010.317905	0.425676295	2.12E-05	0.000115188	Blzf1
ENSMUSG00000078684.8	3718.383099	0.270435936	2.12E-05	0.000115306	AC134246.2
ENSMUSG00000045007.9	1258.395006	0.388224818	2.15E-05	0.00011691	Tubg2
ENSMUSG00000018669.14	6237.672757	0.220485654	2.16E-05	0.000117091	Cdk5rap3
ENSMUSG00000031381.16	2560.931213	-0.284220064	2.16E-05	0.000117267	Piga
ENSMUSG00000036275.13	4151.22863	0.245880117	2.17E-05	0.00011745	RP23-289H16.2
ENSMUSG00000039501.14	1972.548159	0.31154741	2.18E-05	0.000118222	Znfx1
ENSMUSG00000017009.3	3534.661985	0.264396716	2.18E-05	0.00011832	Sdc4
ENSMUSG00000026873.9	449.9152337	-0.639935362	2.18E-05	0.00011832	Phf19
ENSMUSG00000047379.6	1089.996007	0.415223038	2.18E-05	0.00011832	B4gat1
ENSMUSG00000058441.7	178.1227484	-0.96106601	2.21E-05	0.000119682	Panx2
ENSMUSG00000034075.10	4957.588756	0.24512469	2.22E-05	0.000120025	Zdhhc5
ENSMUSG00000035258.15	35.84234435	2.294774436	2.22E-05	0.000120072	Abi3bp
ENSMUSG00000028488.15	282.9066114	-0.776999376	2.23E-05	0.000120441	Sh3gl2
ENSMUSG00000046675.7	613.0766344	0.522593285	2.23E-05	0.000120627	Tmem251
ENSMUSG00000054640.14	79.74193367	-1.467006124	2.24E-05	0.000121136	Slc8a1
ENSMUSG00000022314.10	13145.87539	-0.188214768	2.25E-05	0.000121771	Rad21
ENSMUSG00000090112.8	2660.798878	-0.295258183	2.25E-05	0.000121842	Shprh
ENSMUSG00000006464.8	591.6345781	-0.537198667	2.27E-05	0.00012267	Bbs1
ENSMUSG00000005980.15	142.9027522	-1.072521777	2.29E-05	0.000123524	Dnase1
ENSMUSG00000031292.14	1405.44026	-0.368671156	2.29E-05	0.000123662	Cdkl5
ENSMUSG00000096574.7	279.5990453	-0.769257704	2.29E-05	0.000123665	RP23-388I12.2
ENSMUSG00000036054.15	2742.621963	0.282076143	2.29E-05	0.000123673	Sugp2
ENSMUSG00000055612.15	6148.387179	-0.216905689	2.30E-05	0.000124068	Cdca7
ENSMUSG00000033510.14	388.5549419	0.648666485	2.31E-05	0.000124895	Otud7a
ENSMUSG00000041638.18	9646.285761	-0.21063402	2.32E-05	0.000125103	Gcn111
ENSMUSG00000042203.7	2249.664797	0.306845484	2.32E-05	0.000125193	Tbc1d22b
ENSMUSG00000039826.13	2796.430974	0.273054767	2.33E-05	0.000125507	Trub2
ENSMUSG00000021061.15	678.521857	-0.575370773	2.34E-05	0.000125909	Sptb
ENSMUSG00000096210.2	6975.54722	-0.216826644	2.34E-05	0.000125909	H1f0
ENSMUSG00000046108.3	17.99938128	4.444501262	2.37E-05	0.000127497	Il17c
ENSMUSG00000020642.13	743.393276	-0.481311759	2.37E-05	0.000127666	Rnf144a
ENSMUSG00000051910.13	454.472005	-0.605290929	2.39E-05	0.000128515	Sox6
ENSMUSG00000025544.13	4643.430038	0.236812209	2.39E-05	0.000128532	Tm9sf2
ENSMUSG00000025898.6	1667.082236	-0.368458512	2.39E-05	0.000128675	Cwf19l2
ENSMUSG00000022360.8	9628.359003	-0.202848567	2.39E-05	0.000128711	Atad2
ENSMUSG00000025764.14	3600.047216	-0.249268789	2.39E-05	0.000128793	Jade1
ENSMUSG00000022748.8	1641.003728	0.342864932	2.40E-05	0.000129125	Cmss1
ENSMUSG00000067586.4	216.6985798	-0.8866101	2.41E-05	0.000129635	S1pr3
ENSMUSG00000032185.15	6362.429019	-0.235690337	2.41E-05	0.000129733	Carm1
ENSMUSG00000053768.13	3645.669418	0.248657446	2.42E-05	0.000130079	Chchd3
ENSMUSG00000039254.16	1404.598807	-0.369311497	2.43E-05	0.000130587	Pomt1
ENSMUSG00000030768.12	1122.959251	0.416763258	2.44E-05	0.000130897	Disp1
ENSMUSG00000024827.9	7597.014026	-0.196168391	2.45E-05	0.000131366	Gldc
ENSMUSG00000042567.20	39.453444	2.182488248	2.45E-05	0.000131515	Nek10
ENSMUSG00000034796.14	336.9071107	-0.70785552	2.46E-05	0.000132329	Cpne7
ENSMUSG00000078452.10	755.1084729	0.472914436	2.48E-05	0.000132928	Raet1d
ENSMUSG00000032718.4	117.5322064	-1.199544448	2.48E-05	0.000133171	Mansc1
ENSMUSG00000025979.13	2250.647056	-0.302665068	2.50E-05	0.000133959	Mob4
ENSMUSG00000064354.1	181012.2055	0.180266743	2.53E-05	0.000135555	mt-Co2
ENSMUSG00000073293.4	489.658531	-0.580892982	2.53E-05	0.000135566	Nudt10
ENSMUSG00000035181.6	3009.13707	-0.275865108	2.53E-05	0.000135794	Heatr5a
ENSMUSG00000018733.10	829.8835575	0.454396599	2.53E-05	0.000135796	Pex12
ENSMUSG00000001506.10	625.7399959	-0.532169586	2.54E-05	0.000135896	Col1a1
ENSMUSG00000037791.15	5077.700242	0.225414561	2.55E-05	0.000136447	Phf12
ENSMUSG00000061032.9	15018.89588	0.167674136	2.55E-05	0.000136447	Rrp1
ENSMUSG00000102070.1	181267.423	0.180294502	2.55E-05	0.000136589	RP23-8J15.2
ENSMUSG00000024817.13	3971.532653	0.256330255	2.55E-05	0.000136666	Uhrf2
ENSMUSG00000073856.11	56.55140291	1.751616662	2.57E-05	0.000137516	Iqck
ENSMUSG00000030353.15	702.546233	-0.498389991	2.57E-05	0.000137552	Tead4
ENSMUSG00000030020.13	2217.498273	0.324066544	2.59E-05	0.000138718	Prickle2

ENSMUSG00000020706.13	11746.85819	0.180162836	2.60E-05	0.00013897	Ftsj3
ENSMUSG00000089857.9	495.6545256	-0.608859316	2.62E-05	0.00014002	Zfp882
ENSMUSG00000042097.17	1019.39767	-0.432028603	2.67E-05	0.000142666	Zfp239
ENSMUSG00000022781.8	3679.908272	0.249086617	2.67E-05	0.000142763	Pak2
ENSMUSG00000045854.4	518.3676013	0.588962417	2.67E-05	0.000142902	Lymr2
ENSMUSG00000021156.17	2618.578908	-0.287185759	2.68E-05	0.000143159	Zmynd11
ENSMUSG00000072847.4	228.4448039	-0.848858663	2.69E-05	0.000143645	RP23-70A15.2
ENSMUSG00000025736.14	419.7478158	0.641944795	2.69E-05	0.00014375	Jmjd8
ENSMUSG00000002345.18	821.6395369	0.46020422	2.70E-05	0.00014414	Borcs8
ENSMUSG00000044966.4	419.7716625	0.626251854	2.70E-05	0.000144233	Fbxo48
ENSMUSG00000037070.10	7463.097888	0.195240427	2.70E-05	0.000144252	Rbmxl1
ENSMUSG00000026609.15	19.30934096	3.775750045	2.73E-05	0.000145482	Ush2a
ENSMUSG00000018697.14	2717.066184	0.286271653	2.74E-05	0.000146324	Aatf
ENSMUSG00000021377.15	10422.19924	-0.215941751	2.75E-05	0.000146466	Dek
ENSMUSG00000083392.1	1813.630599	0.347525162	2.75E-05	0.000146466	RP23-38J11.2
ENSMUSG00000031967.15	5384.553391	0.221081347	2.77E-05	0.000147392	Afg3l1
ENSMUSG000000064016.4	18.22669739	5.059633599	2.77E-05	0.000147392	RP23-105E2.2
ENSMUSG00000022960.13	1068.933732	-0.400336437	2.79E-05	0.000148347	Donson
ENSMUSG00000050212.4	769.5172427	-0.5238432	2.79E-05	0.000148605	Eva1b
ENSMUSG00000046808.17	7594.134621	-0.199546212	2.83E-05	0.00015049	Atp10d
ENSMUSG00000022565.15	9754.399864	0.195997711	2.83E-05	0.000150655	Plec
ENSMUSG00000028602.12	168.7451327	-0.973278995	2.83E-05	0.000150735	Tnfrsf8
ENSMUSG00000029528.18	1477.176919	0.348891845	2.83E-05	0.000150757	Pxn
ENSMUSG000000025491.14	510.516199	-0.568032135	2.84E-05	0.000150767	Ifitm1
ENSMUSG00000022701.18	1074.805756	0.405377159	2.84E-05	0.000150871	Ccdc191
ENSMUSG00000001305.5	3881.891703	0.244675889	2.85E-05	0.000151262	Rrp15
ENSMUSG00000051502.6	152.7284241	1.020888833	2.88E-05	0.000153023	Ufsp1
ENSMUSG00000055013.15	2691.894303	-0.283543693	2.88E-05	0.000153133	Agap1
ENSMUSG00000032413.12	1209.899969	-0.389676234	2.91E-05	0.000154437	Rasa2
ENSMUSG00000034889.8	2737.027598	0.280518238	2.91E-05	0.000154674	Cactin
ENSMUSG00000052253.6	2628.550638	0.293766817	2.92E-05	0.000155031	Zfp622
ENSMUSG00000028614.14	7527.839141	-0.199672046	2.93E-05	0.000155316	Ndc1
ENSMUSG00000027763.13	421.0455613	-0.627004625	2.93E-05	0.000155545	Mbnl1
ENSMUSG00000039252.11	1004.409924	-0.428665056	2.93E-05	0.000155545	Lgi2
ENSMUSG00000051396.15	299.3860486	-0.742699832	2.93E-05	0.000155545	RP23-167G19.12
ENSMUSG00000020262.15	1070.273545	-0.409443254	2.94E-05	0.000155722	Adarb1
ENSMUSG00000000794.9	94.54406776	-1.329305251	2.95E-05	0.000156558	Kcnn3
ENSMUSG00000010057.8	721.9811398	0.476712199	2.95E-05	0.000156558	Nprl2
ENSMUSG000000038740.9	420.1090422	-0.619448621	2.97E-05	0.000157141	Mvb12b
ENSMUSG000000071656.6	30.27576364	2.526476713	2.97E-05	0.000157141	Lrrn4cl
ENSMUSG00000020783.14	2796.582331	0.274387193	2.97E-05	0.000157439	Ncbp3
ENSMUSG00000040820.16	1043.317945	0.412704432	2.98E-05	0.000157583	Hlcs
ENSMUSG00000004054.8	1573.624634	0.360478267	2.98E-05	0.000157741	Map3k11
ENSMUSG00000041199.2	418.8530871	0.617057493	2.99E-05	0.00015811	Rpusd1
ENSMUSG00000037432.15	343.5736857	-0.678843183	2.99E-05	0.000158123	Fer1l5
ENSMUSG00000086917.1	17.90950291	4.4422274	3.00E-05	0.00015877	RP23-386E10.10
ENSMUSG00000010914.10	1372.971046	-0.360363496	3.02E-05	0.000159476	Pdhx
ENSMUSG00000015312.9	291.1594707	0.737085954	3.03E-05	0.000160135	Gadd45b
ENSMUSG00000008540.11	431.8191177	-0.66463941	3.03E-05	0.000160201	Mgst1
ENSMUSG00000034557.14	1113.088651	-0.411214585	3.03E-05	0.000160201	Zfyve9
ENSMUSG00000074793.10	196.8055275	-0.900400564	3.04E-05	0.000160424	Hspa12b
ENSMUSG00000066892.14	1021.737649	0.419749956	3.04E-05	0.000160524	Fbxl12
ENSMUSG00000055850.12	2152.414227	0.310098968	3.05E-05	0.000161179	Rnf181
ENSMUSG00000019845.8	1212.473769	-0.377198305	3.06E-05	0.000161612	Tube1
ENSMUSG00000022433.19	4054.53337	-0.246785878	3.07E-05	0.000161835	Csnk1e
ENSMUSG00000073838.10	5450.96223	0.221111432	3.07E-05	0.000162146	Tufm
ENSMUSG00000079685.10	277.9213968	0.807535282	3.08E-05	0.000162543	Ulbp1
ENSMUSG00000000056.7	5520.506959	0.224976977	3.09E-05	0.000163211	Narf
ENSMUSG00000005233.16	2779.055942	-0.268232619	3.11E-05	0.000164186	Spc25
ENSMUSG00000078941.9	1052.102708	0.402608158	3.12E-05	0.000164252	Ak6
ENSMUSG00000032553.14	3037.485709	0.283633351	3.12E-05	0.00016428	Srprb
ENSMUSG00000040842.17	5708.081751	0.217924053	3.12E-05	0.000164321	Szrd1
ENSMUSG000000090115.7	407.1343053	-0.626747807	3.12E-05	0.000164321	Usp49
ENSMUSG00000038418.7	303.891268	0.747950594	3.12E-05	0.000164436	Egr1
ENSMUSG00000034485.10	3313.26262	0.260826396	3.13E-05	0.00016505	Uaca
ENSMUSG00000018428.15	7160.692564	0.199777521	3.14E-05	0.000165147	Akap1
ENSMUSG00000060600.15	956.4411949	0.421643895	3.14E-05	0.000165181	Eno3
ENSMUSG00000106078.1	44.88596011	-2.145865916	3.16E-05	0.000166155	RP23-446B17.3
ENSMUSG00000038828.13	2988.992926	0.26401785	3.17E-05	0.000166668	Tmem214
ENSMUSG00000079426.13	4993.849547	0.218352343	3.20E-05	0.000168068	Arcp4

ENSMUSG00000027533.10	12905.31949	-0.217818285	3.22E-05	0.000169153	Fabp5
ENSMUSG00000056608.14	5138.884065	-0.252679693	3.23E-05	0.000169571	Chd9
ENSMUSG00000029151.14	232.9354953	-0.82292674	3.23E-05	0.000169696	Slc30a3
ENSMUSG00000085894.1	132.7480523	1.0956996	3.24E-05	0.000170239	AC074336.1
ENSMUSG00000028018.15	2584.620062	-0.27815314	3.25E-05	0.000170811	Gstcd
ENSMUSG00000035245.12	668.1571845	-0.50558193	3.25E-05	0.000170811	Eogt
ENSMUSG00000028668.5	2377.58267	0.296081167	3.26E-05	0.000171108	Eloa
ENSMUSG00000022391.16	12189.31023	0.175582047	3.28E-05	0.000171867	Rangap1
ENSMUSG00000025580.15	11947.47418	0.176040771	3.28E-05	0.000171867	Eif4a3
ENSMUSG00000058927.5	4983.515027	0.220624302	3.29E-05	0.000172507	Gm10053
ENSMUSG00000037531.8	1578.978517	0.354086573	3.29E-05	0.000172764	Mrpl47
ENSMUSG00000040569.13	517.4513517	-0.55775267	3.29E-05	0.000172764	Slc26a7
ENSMUSG00000112003.1	1459.274258	0.357711196	3.30E-05	0.000173194	RP23-258F9.4
ENSMUSG00000022240.10	457.4924855	-0.614167908	3.31E-05	0.000173507	Ctnnd2
ENSMUSG00000036565.7	7816.974586	0.202012823	3.31E-05	0.000173679	Ttyh3
ENSMUSG00000101111.1	105441.6804	0.179110746	3.34E-05	0.000174954	RP23-8J15.4
ENSMUSG00000073988.13	188.9097069	-0.923068128	3.34E-05	0.000175092	Ttpa
ENSMUSG00000060032.6	1028.026052	0.408918459	3.35E-05	0.000175239	H2afj
ENSMUSG00000019850.11	633.4204033	-0.501507353	3.35E-05	0.000175395	Tnfaip3
ENSMUSG00000036427.5	24972.08121	-0.182742615	3.35E-05	0.000175396	Gpi1
ENSMUSG00000017760.16	4417.385505	0.231938937	3.37E-05	0.00017618	Ctsa
ENSMUSG00000090691.3	275.3627547	-0.754035626	3.37E-05	0.000176228	RP23-390C6.1
ENSMUSG00000039740.6	2126.084431	0.307958252	3.37E-05	0.000176392	Alg2
ENSMUSG00000025511.14	1759.581591	0.325478116	3.38E-05	0.000176747	Tspan4
ENSMUSG00000064358.1	104974.4471	0.178564409	3.38E-05	0.000176747	mt-Co3
ENSMUSG00000028416.12	3707.570148	0.239902508	3.39E-05	0.0001772	Bag1
ENSMUSG00000074862.11	83.61760089	1.42642795	3.41E-05	0.000177993	AC153919.1
ENSMUSG00000091264.3	1156.094332	-0.380780293	3.42E-05	0.000178877	Smim13
ENSMUSG00000029363.14	4431.433926	0.229179634	3.43E-05	0.000179019	Rfc5
ENSMUSG00000028889.17	1701.380589	0.327748185	3.44E-05	0.000179756	Yrdc
ENSMUSG00000056737.14	578.6842124	-0.535910049	3.46E-05	0.000180827	Capg
ENSMUSG00000027185.15	4950.43047	0.229353267	3.47E-05	0.00018096	Nat10
ENSMUSG00000111521.1	23.31538209	3.134754287	3.48E-05	0.000181359	RP23-228B2.5
ENSMUSG00000042628.8	1792.170234	0.318360386	3.48E-05	0.000181697	Zfyve1
ENSMUSG00000039046.15	2907.024395	-0.266232595	3.49E-05	0.000181878	Usp6nl
ENSMUSG00000048636.7	91.86729214	-1.316289136	3.49E-05	0.000182184	RP24-193H8.2
ENSMUSG00000004591.16	7357.626493	0.199007017	3.53E-05	0.000183959	Pkn2
ENSMUSG00000024319.17	1950.603892	0.30908559	3.54E-05	0.000184332	Vps52
ENSMUSG00000024437.6	1036.125095	0.409045596	3.54E-05	0.000184413	RP23-408A1.5
ENSMUSG00000042613.9	2156.707895	-0.327898388	3.57E-05	0.000185672	Pbxip1
ENSMUSG00000032667.17	453.8526289	-0.588224125	3.57E-05	0.000185954	Pon2
ENSMUSG00000042744.16	3034.156396	-0.273207602	3.57E-05	0.000185954	AC126938.1
ENSMUSG00000067321.5	1731.431345	0.322246471	3.57E-05	0.000185954	AC117724.1
ENSMUSG00000007097.14	148.8932934	-1.056802016	3.59E-05	0.000186622	Atp1a2
ENSMUSG00000028552.13	2751.320627	-0.265555982	3.59E-05	0.000186672	Eps15
ENSMUSG00000030232.18	5743.051192	-0.207707994	3.59E-05	0.000186828	Aebp2
ENSMUSG00000041939.14	2356.018639	0.283482588	3.60E-05	0.000186963	Mvk
ENSMUSG00000041957.15	2575.518306	-0.286385047	3.61E-05	0.000187629	Pkp2
ENSMUSG00000036913.15	154.5406515	-1.059710067	3.61E-05	0.000187865	Trim67
ENSMUSG00000023247.2	22.37643279	6.386052364	3.62E-05	0.000188207	Guca2a
ENSMUSG00000031026.15	216.7215976	-0.961262217	3.64E-05	0.000188862	Trim66
ENSMUSG00000026615.14	22458.8827	-0.159588647	3.70E-05	0.000191941	Eprs
ENSMUSG00000044786.6	250.2537406	0.811534573	3.73E-05	0.000193572	Zfp36
ENSMUSG00000086501.1	11.2323104	6.852158493	3.73E-05	0.000193832	RP23-103H9.2
ENSMUSG00000029810.15	285.4204717	-0.732743614	3.77E-05	0.00019551	Tmem176b
ENSMUSG00000038417.4	1626.187403	0.333690978	3.77E-05	0.00019551	Fig4
ENSMUSG00000037058.14	7302.387289	-0.196109176	3.78E-05	0.00019595	Paip2
ENSMUSG00000026663.6	3029.47197	0.275059884	3.79E-05	0.000196459	Atf6
ENSMUSG00000037428.14	162.6248307	0.992749728	3.79E-05	0.000196459	Vgf
ENSMUSG00000033114.11	19.72930918	3.786310818	3.79E-05	0.000196624	Slc35d2
ENSMUSG00000035125.10	1206.755643	0.393296547	3.82E-05	0.000197715	Gcfc2
ENSMUSG00000028454.16	2287.983487	-0.308038233	3.82E-05	0.00019775	Pigo
ENSMUSG00000039308.6	1172.264469	-0.380194759	3.82E-05	0.00019775	Ndst2
ENSMUSG00000064080.12	1394.510516	-0.35476787	3.82E-05	0.000197976	Fbln2
ENSMUSG00000033032.15	437.4319946	-0.595211745	3.83E-05	0.00019818	Afap111
ENSMUSG00000043241.14	2663.907172	0.26819759	3.84E-05	0.000198608	Upf2
ENSMUSG00000039313.14	216.3827337	-0.952656927	3.85E-05	0.000199199	RP23-407B23.1
ENSMUSG00000053553.11	1998.517823	0.308361439	3.86E-05	0.000199561	3110082I17Rik
ENSMUSG00000040048.14	2266.588437	0.29351718	3.88E-05	0.000200659	Ndufb10
ENSMUSG00000097527.2	17.21818511	4.371776682	3.90E-05	0.000201785	RP23-413C19.5

ENSMUSG00000104904.1	17.96044301	3.995051426	3.91E-05	0.000202293	RP24-317M4.2
ENSMUSG00000021147.17	1573.460699	0.38426949	3.92E-05	0.000202492	Wdr37
ENSMUSG00000082678.1	692.8251838	0.481415115	3.92E-05	0.000202628	RP23-219O14.3
ENSMUSG00000038886.10	2955.265502	-0.265208096	3.94E-05	0.000203314	Man2a2
ENSMUSG00000040586.8	1919.02739	0.320050415	3.94E-05	0.000203721	Ofd1
ENSMUSG00000005442.13	4517.710245	-0.22659095	3.96E-05	0.000204533	Cic
ENSMUSG00000005897.14	456.1794488	-0.600046775	3.96E-05	0.000204533	Nr2c1
ENSMUSG00000041774.16	890.1936104	-0.429230355	3.97E-05	0.000204836	Ydjc
ENSMUSG00000043602.5	177.8537267	0.969049753	3.98E-05	0.000205124	Zfp3
ENSMUSG00000021096.11	6047.659589	-0.21007996	3.99E-05	0.000205652	Ppm1a
ENSMUSG00000026748.13	577.2060158	-0.521162538	4.00E-05	0.000206144	Plxdc2
ENSMUSG00000095681.7	278.2037906	-0.750158238	4.02E-05	0.000207103	RP24-576O9.2
ENSMUSG00000113361.1	72.85001272	1.520598393	4.04E-05	0.000208401	RP23-60K23.7
ENSMUSG00000073062.3	544.2869392	-0.56897388	4.05E-05	0.000208726	Zxdb
ENSMUSG00000038305.15	311.1176284	-0.711192854	4.05E-05	0.000208837	Spats2l
ENSMUSG00000033467.12	460.0982195	-0.580072679	4.06E-05	0.000208944	Crf2
ENSMUSG00000033228.8	9056.485668	-0.193595882	4.06E-05	0.000208974	Scaf11
ENSMUSG00000025932.14	396.0156376	-0.622745018	4.07E-05	0.000209757	Eya1
ENSMUSG00000021495.9	5907.668876	-0.207789402	4.08E-05	0.000210154	Fam193b
ENSMUSG00000027315.13	2313.550956	-0.296564565	4.08E-05	0.000210157	Spint1
ENSMUSG00000057672.16	1028.561337	0.399501927	4.09E-05	0.000210171	Pkn1
ENSMUSG00000071662.3	2085.865433	0.348876103	4.09E-05	0.000210171	Polr2g
ENSMUSG00000114780.1	32.86820935	-2.277949197	4.09E-05	0.000210368	RP23-157D19.1
ENSMUSG00000033809.15	1610.220111	-0.341466414	4.14E-05	0.000213046	Alg3
ENSMUSG00000067049.7	74.94826687	-1.443480918	4.17E-05	0.000214333	Unc93a
ENSMUSG00000025410.10	4889.071421	0.227520187	4.18E-05	0.000214494	Dctn2
ENSMUSG00000035941.15	3712.382054	-0.24784269	4.18E-05	0.000214494	Ibtk
ENSMUSG00000049090.2	162.6042354	-0.99730052	4.18E-05	0.000214494	Zadh2
ENSMUSG00000043870.9	639.8680542	0.496557455	4.18E-05	0.000214897	RP23-50H13.3
ENSMUSG00000028191.11	2024.660126	0.297745539	4.19E-05	0.000215023	Bcl10
ENSMUSG00000034290.9	6013.607028	0.204459341	4.19E-05	0.000215101	Nek9
ENSMUSG00000026571.12	713.2848229	0.474461683	4.21E-05	0.00021614	Dcaf6
ENSMUSG00000071655.11	5307.089052	0.227759826	4.22E-05	0.00021631	Ubxn1
ENSMUSG00000066800.11	371.2540964	-0.641702998	4.22E-05	0.000216439	Rnasel
ENSMUSG00000025817.12	2993.643166	-0.255511642	4.23E-05	0.000216617	Nudt5
ENSMUSG00000028309.14	2509.158195	-0.274180331	4.23E-05	0.000216617	Rnf20
ENSMUSG00000041961.14	2706.280379	0.296614748	4.23E-05	0.000216617	Znrf3
ENSMUSG00000073295.4	881.5254997	-0.424714407	4.23E-05	0.000216617	Nudt11
ENSMUSG00000031703.8	2643.585989	0.278723002	4.23E-05	0.000216679	Iffg1
ENSMUSG000000059208.14	21486.87776	0.163421219	4.24E-05	0.000217062	Hnrnpm
ENSMUSG00000020656.16	88.75617671	1.321470537	4.24E-05	0.00021715	Ghrh1
ENSMUSG00000053747.9	87.74489051	-1.344766119	4.24E-05	0.000217173	Sox14
ENSMUSG00000018574.14	850.9546014	0.434012374	4.25E-05	0.000217385	Acadvl
ENSMUSG00000030982.19	2505.992343	0.274856502	4.25E-05	0.000217461	AC165086.3
ENSMUSG00000032501.9	1419.960148	-0.348001344	4.26E-05	0.000217776	Trib1
ENSMUSG00000031523.16	2006.476236	-0.320044407	4.26E-05	0.000217942	Dlc1
ENSMUSG00000075705.12	685.9663414	0.492624921	4.26E-05	0.000217957	Msrb1
ENSMUSG00000032783.9	1726.16394	0.319816687	4.27E-05	0.000218216	Troap
ENSMUSG00000083382.1	4806.611614	0.227186118	4.27E-05	0.000218469	AC138601.1
ENSMUSG00000042041.6	10.97911376	6.819569047	4.28E-05	0.000218842	2010003K11Rik
ENSMUSG00000021062.15	399.8130744	-0.625098638	4.29E-05	0.000218967	Rab15
ENSMUSG00000020427.11	2088.053196	-0.301683243	4.29E-05	0.000219292	Igfbp3
ENSMUSG00000056268.15	936.9633362	-0.434111922	4.31E-05	0.000219891	Dennd1b
ENSMUSG00000030000.10	310.84814	-0.702438208	4.32E-05	0.000220685	Add2
ENSMUSG00000039103.12	213.3425693	-0.890476743	4.32E-05	0.000220742	Nexn
ENSMUSG00000029168.14	4515.227076	-0.22087706	4.35E-05	0.000222168	Dpysl5
ENSMUSG00000054871.5	386.7706085	-0.655109831	4.35E-05	0.000222168	Tmem158
ENSMUSG00000047496.6	272.4347879	-0.807618027	4.37E-05	0.000222884	Rnf152
ENSMUSG00000026490.18	1952.573611	-0.313243795	4.38E-05	0.00022353	Cdc42bpa
ENSMUSG00000025192.13	578.053035	0.543335452	4.39E-05	0.000223818	Entpd7
ENSMUSG00000054405.14	8151.484249	0.218344169	4.42E-05	0.000225369	Dnajc8
ENSMUSG00000037049.9	1470.860114	0.343928251	4.43E-05	0.000225489	Smpd1
ENSMUSG00000022742.6	2286.009211	-0.296027915	4.43E-05	0.000225672	Cpox
ENSMUSG00000035437.15	2581.423276	0.275018902	4.43E-05	0.000225812	Rabgap1
ENSMUSG00000085156.7	683.2563146	-0.484609982	4.44E-05	0.000226015	RP23-69P8.2
ENSMUSG00000063882.12	3843.452167	0.262831472	4.44E-05	0.000226105	Uqcrh
ENSMUSG00000024052.17	1285.093017	0.360382256	4.45E-05	0.000226307	Lpin2
ENSMUSG00000074529.10	202.5976575	0.891204574	4.48E-05	0.00022816	RP23-275N21.6
ENSMUSG00000068206.13	675.6889107	-0.483353907	4.50E-05	0.000228688	Pick1
ENSMUSG00000047485.6	114.3959326	-1.154133913	4.50E-05	0.000228746	Khl34

ENSMUSG00000057110.15	3212.897268	-0.250753392	4.51E-05	0.00022954	Cntrl
ENSMUSG00000050668.9	728.6121325	0.504863238	4.54E-05	0.000230741	Gpatch11
ENSMUSG00000098234.7	1287.660855	-0.364614866	4.54E-05	0.000230794	Shhg6
ENSMUSG00000115801.1	1376.736803	-0.356246863	4.55E-05	0.000231011	RP23-48M16.13
ENSMUSG00000024666.5	652.4081814	-0.498754259	4.55E-05	0.000231325	Tmem138
ENSMUSG00000002881.14	959.9915516	-0.430611041	4.56E-05	0.000231344	Nab1
ENSMUSG00000028211.11	1941.982588	0.308202215	4.58E-05	0.000232759	Trp53inp1
ENSMUSG00000034105.9	527.2836636	0.57174387	4.59E-05	0.000232837	Tldc1
ENSMUSG00000043090.18	1641.117766	-0.330296768	4.60E-05	0.000233541	Zfp866
ENSMUSG00000020495.13	2924.935644	0.263231916	4.62E-05	0.000234302	Smg8
ENSMUSG00000034390.16	2273.842417	0.281965802	4.62E-05	0.000234328	Cmip
ENSMUSG00000033669.8	1873.208012	-0.305703326	4.63E-05	0.000234644	Zfp7
ENSMUSG00000034522.10	1371.489555	-0.365573214	4.64E-05	0.000235035	Zfp395
ENSMUSG00000109511.1	7852.096275	0.187629422	4.66E-05	0.000236444	Nup62
ENSMUSG00000022131.3	878.4072912	0.42433713	4.67E-05	0.000236492	Gpr180
ENSMUSG00000032383.7	4287.614466	0.227586387	4.68E-05	0.000237211	Ppib
ENSMUSG00000021676.9	4404.915934	-0.246464385	4.69E-05	0.000237351	Iqgap2
ENSMUSG00000024294.13	7305.685828	-0.211993543	4.69E-05	0.000237351	Mib1
ENSMUSG00000105402.4	174.0203838	-0.929710377	4.71E-05	0.000238272	RP24-448C16.7
ENSMUSG00000078503.9	1717.268623	-0.356686497	4.71E-05	0.000238579	RP23-282N17.7
ENSMUSG00000017765.17	1762.471727	0.317523858	4.74E-05	0.000239716	Slc12a4
ENSMUSG00000057156.10	544.1386381	0.558792857	4.75E-05	0.000240269	Homez
ENSMUSG00000041515.10	289.2101751	0.738575756	4.75E-05	0.000240501	Irf8
ENSMUSG00000106641.1	125.4989399	-1.127013174	4.76E-05	0.000240665	RP23-40J7.9
ENSMUSG00000024594.8	2514.979366	-0.272724843	4.86E-05	0.000245639	Prrc1
ENSMUSG00000002102.15	7281.556155	0.195955039	4.86E-05	0.000245678	Psmc3
ENSMUSG00000022704.15	1750.476061	-0.333185317	4.87E-05	0.000246211	Qtrtd1
ENSMUSG00000031697.12	3638.489166	0.249291431	4.89E-05	0.000246983	Orc6
ENSMUSG00000019312.10	396.0735826	-0.620328331	4.89E-05	0.000247213	Grb7
ENSMUSG00000070003.7	287.6049436	-0.718648519	4.93E-05	0.000249054	Ssbp4
ENSMUSG00000097062.1	233.4401165	0.806349057	4.94E-05	0.000249306	Gm17586
ENSMUSG00000009030.14	2364.931883	0.301442424	4.94E-05	0.000249459	Pdcl
ENSMUSG000000339031.16	448.3458756	-0.593174804	4.94E-05	0.000249459	Arhgap18
ENSMUSG00000063632.6	7685.079234	-0.215478546	4.95E-05	0.000249569	Sox11
ENSMUSG00000029924.12	3141.879311	0.248421282	4.96E-05	0.000250116	Slc37a3
ENSMUSG00000023972.9	13328.43005	-0.171186002	4.97E-05	0.000250658	Ptk7
ENSMUSG00000042284.10	1428.400974	-0.351341288	4.98E-05	0.000251169	Itga1
ENSMUSG00000020167.14	8182.967225	-0.196197434	5.03E-05	0.000253392	Tcf3
ENSMUSG00000049717.9	790.4118095	0.448805992	5.03E-05	0.000253501	Lig4
ENSMUSG00000019080.8	384.3840477	0.649255713	5.05E-05	0.000254675	Mfsd3
ENSMUSG00000047126.17	31117.62249	0.164115179	5.06E-05	0.00025491	Cltc
ENSMUSG00000001175.14	8489.164341	0.185351042	5.07E-05	0.000255133	Calm1
ENSMUSG00000020130.9	3618.10634	0.237604149	5.07E-05	0.00025551	Tbc1d15
ENSMUSG00000006673.14	5153.09005	-0.2112051	5.09E-05	0.000256167	Qrich1
ENSMUSG00000048967.16	218.2887265	0.870574943	5.10E-05	0.000256514	Yjefn3
ENSMUSG00000022507.6	1978.659814	0.298272277	5.13E-05	0.000257959	RP23-74O4.1
ENSMUSG00000030157.5	133.5953282	-1.061643497	5.14E-05	0.000258541	Clec2d
ENSMUSG00000003062.13	1550.802685	0.354963741	5.14E-05	0.000258614	Stard3nl
ENSMUSG00000036977.8	593.0441455	0.506636947	5.15E-05	0.000258928	Anapc10
ENSMUSG00000005469.10	4668.397009	0.218302755	5.19E-05	0.000260657	Prkaca
ENSMUSG00000037857.16	11827.05906	0.197127482	5.20E-05	0.000261204	Nufip2
ENSMUSG00000030042.15	2134.08813	0.307435849	5.21E-05	0.000261927	Pole4
ENSMUSG00000031808.7	1788.673426	0.344418659	5.22E-05	0.000262152	Slc27a1
ENSMUSG00000030858.10	21.79358555	3.031331228	5.26E-05	0.000264227	RP23-78N8.1
ENSMUSG00000036086.16	1865.541603	-0.310907522	5.28E-05	0.000265341	Zranb3
ENSMUSG00000031512.15	10.6852885	6.777646061	5.29E-05	0.000265794	Tex29
ENSMUSG00000114442.1	55.0482823	-1.723638663	5.32E-05	0.000267123	RP23-463F7.13
ENSMUSG00000038721.8	10.7207165	6.781892827	5.33E-05	0.000267284	Hoxb7
ENSMUSG00000050248.11	845.5975692	-0.429980133	5.33E-05	0.000267529	Evc2
ENSMUSG00000059142.15	1217.254557	-0.415074403	5.33E-05	0.000267572	Zfp945
ENSMUSG00000031948.14	24005.69719	0.14945871	5.34E-05	0.000267743	Kars
ENSMUSG00000004626.14	971.5408674	-0.401149167	5.35E-05	0.000268128	Stxbp2
ENSMUSG00000074092.5	559.6561903	0.526032461	5.35E-05	0.000268128	AC110559.1
ENSMUSG00000019998.6	2060.685732	-0.302237801	5.36E-05	0.000268608	Stx7
ENSMUSG00000039563.6	21.86964218	3.038610366	5.36E-05	0.000268648	AC131803.2
ENSMUSG00000028619.15	866.6509539	0.436413124	5.38E-05	0.000269283	Tceanc2
ENSMUSG00000041375.18	3343.163902	0.270006513	5.38E-05	0.000269309	Ccdc9
ENSMUSG00000026664.7	884.0521459	-0.421930821	5.38E-05	0.000269445	Phyh
ENSMUSG00000026856.14	2493.201599	0.276036005	5.39E-05	0.000269639	Dolpp1
ENSMUSG00000034292.13	1248.506787	0.359122997	5.39E-05	0.000269865	Traf3ip1

ENSMUSG00000042029.7	5421.141758	0.208364019	5.40E-05	0.000270224	Ncapg2
ENSMUSG00000031093.14	2788.165448	-0.262457732	5.41E-05	0.000270379	Dock11
ENSMUSG00000034799.16	914.2087546	-0.418924192	5.42E-05	0.000270946	Unc13a
ENSMUSG00000026554.15	5079.987606	-0.209641117	5.44E-05	0.000272096	Dcaf8
ENSMUSG00000029001.15	542.155689	-0.558361379	5.46E-05	0.000272751	Fbxo44
ENSMUSG00000028832.11	27841.68743	-0.160482383	5.49E-05	0.000274567	Stmn1
ENSMUSG00000062929.8	1472.781893	0.357237928	5.50E-05	0.000274995	Cf12
ENSMUSG00000067995.4	955.3287047	0.410397614	5.60E-05	0.000279568	Gtf2f2
ENSMUSG00000062901.3	4140.780049	-0.234279889	5.62E-05	0.000280803	Klhl24
ENSMUSG00000045009.9	148.1988784	-0.988355054	5.63E-05	0.000280831	Prrt3
ENSMUSG00000033685.13	2608.414835	-0.269771141	5.64E-05	0.000281533	Ucp2
ENSMUSG00000028917.14	381.9356847	-0.639948685	5.67E-05	0.000282765	Plekhn2
ENSMUSG00000044037.15	597.8027324	-0.51787521	5.67E-05	0.000283004	Als2cl
ENSMUSG00000049649.8	76.83343298	1.42435874	5.67E-05	0.000283004	Gpr3
ENSMUSG00000041718.15	11534.95522	-0.177614733	5.68E-05	0.000283163	Alg13
ENSMUSG00000018932.9	1917.502984	0.301935424	5.68E-05	0.000283286	Map2k3
ENSMUSG00000085208.3	2779.564984	-0.258320128	5.69E-05	0.000283373	Brip1os
ENSMUSG00000045140.8	793.4742828	-0.448007649	5.71E-05	0.000284404	Pigw
ENSMUSG00000049382.10	886.6356596	-0.420485533	5.71E-05	0.000284404	Krt8
ENSMUSG00000056427.10	1686.885574	-0.388999404	5.75E-05	0.000286321	Slit3
ENSMUSG00000032342.13	901.2513183	-0.419706439	5.75E-05	0.000286473	Mto1
ENSMUSG00000039781.14	3290.235383	0.247965699	5.79E-05	0.00028846	Cep131
ENSMUSG0000002688.8	458.7020854	-0.565449423	5.80E-05	0.000288478	Prkd1
ENSMUSG00000026667.14	3876.189332	0.238491247	5.83E-05	0.000290104	Uhmk1
ENSMUSG00000035203.16	5625.14414	0.204943739	5.89E-05	0.000292895	Epn1
ENSMUSG00000038126.17	1336.021923	-0.355429348	5.91E-05	0.000294116	Mphosph9
ENSMUSG00000042485.7	19.14251244	3.466090022	5.91E-05	0.000294116	Mustn1
ENSMUSG00000045078.12	2290.295911	0.277594301	5.97E-05	0.000296702	Rnf216
ENSMUSG00000017485.11	6017.174286	-0.203053731	5.98E-05	0.000297012	Top2b
ENSMUSG00000049939.6	126.7148211	-1.088014993	6.01E-05	0.000298512	Lrrc4
ENSMUSG0000006134.4	4264.346763	0.247095472	6.03E-05	0.000299358	Crkl
ENSMUSG00000041390.18	237.1480087	-0.780145186	6.03E-05	0.000299607	Mdfic
ENSMUSG00000023089.12	1779.206896	0.336255878	6.07E-05	0.00030156	Ndufa5
ENSMUSG00000097204.2	85.18419489	1.399296105	6.12E-05	0.000304081	RP23-261M19.4
ENSMUSG00000031285.14	298.2968559	-0.704764512	6.13E-05	0.000304131	Dcx
ENSMUSG00000020648.3	514.1309573	0.596686309	6.14E-05	0.000304464	Dus4l
ENSMUSG00000029149.14	566.0588728	-0.555056134	6.14E-05	0.000304526	Krtcap3
ENSMUSG00000019139.10	7199.522302	-0.201305439	6.16E-05	0.000305507	Isyna1
ENSMUSG00000031148.14	903.2962506	0.417177289	6.16E-05	0.000305532	Gpkow
ENSMUSG00000006800.14	2787.901769	-0.279230086	6.17E-05	0.000306134	Sulf2
ENSMUSG00000060988.12	70.24642639	1.507056164	6.20E-05	0.00030712	Galnt13
ENSMUSG00000062647.16	46832.18062	0.151542793	6.21E-05	0.00030795	Rpl7a
ENSMUSG00000082016.3	18579.62276	-0.183794233	6.22E-05	0.00030795	Pgam1-ps2
ENSMUSG00000049643.15	1439.37518	0.336534347	6.26E-05	0.000310215	RP23-311C19.1
ENSMUSG00000067199.4	466.2770419	-0.589431576	6.27E-05	0.000310582	Frat1
ENSMUSG00000062661.6	1267.067193	-0.353165101	6.29E-05	0.000311519	Ncs1
ENSMUSG00000045455.8	3573.867227	0.237407965	6.30E-05	0.00031173	RP24-512D20.3
ENSMUSG00000029591.14	3660.33967	-0.232136461	6.31E-05	0.000312486	Ung
ENSMUSG00000048406.5	94.3106104	1.288280742	6.32E-05	0.000312817	B330016D10Rik
ENSMUSG00000042670.5	718.6135395	0.472045535	6.35E-05	0.00031394	Immp1l
ENSMUSG00000020572.8	10843.43992	-0.176750542	6.36E-05	0.000314374	Mampt
ENSMUSG00000024800.7	1351.941831	-0.350106424	6.36E-05	0.000314374	Rpp30
ENSMUSG00000024966.8	20998.05391	0.151885923	6.36E-05	0.000314374	Stip1
ENSMUSG00000023908.7	1226.662436	-0.358325689	6.39E-05	0.00031606	Pkmyt1
ENSMUSG00000048701.13	4085.831689	-0.226669863	6.40E-05	0.000316073	Ccdc6
ENSMUSG00000038496.16	144.025333	-1.026895626	6.40E-05	0.000316278	Slc19a3
ENSMUSG00000040596.15	729.3461389	0.460130133	6.41E-05	0.000316563	Pogk
ENSMUSG00000093726.1	143.0964189	-1.036767485	6.43E-05	0.000317291	RP23-358B23.3
ENSMUSG00000062991.7	102.2058608	-1.21221199	6.43E-05	0.000317385	Nrg1
ENSMUSG00000020577.17	4464.623636	0.233971383	6.47E-05	0.000319174	Tspan13
ENSMUSG00000037579.7	100.0241508	-1.202734884	6.53E-05	0.000322226	Kcnh3
ENSMUSG00000036352.16	3073.667512	0.253360793	6.54E-05	0.000322867	Ubac1
ENSMUSG00000086290.9	1302.313378	-0.351197138	6.55E-05	0.000323282	Snhg12
ENSMUSG00000071266.13	1333.879968	-0.355964159	6.58E-05	0.000324687	Zfp946
ENSMUSG00000099032.2	120.7718977	-1.093014455	6.60E-05	0.000325456	Tcf24
ENSMUSG0000001767.5	2532.806635	0.272718984	6.61E-05	0.000326008	Crnk1l
ENSMUSG00000096755.2	137.8201518	1.055014355	6.62E-05	0.000326008	CH25-11N3.1
ENSMUSG00000090114.1	836.961876	0.443105834	6.62E-05	0.000326265	AC123798.1
ENSMUSG00000024806.3	10.21952386	6.717126094	6.63E-05	0.000326266	Mlana
ENSMUSG00000027363.15	2768.344322	-0.264956721	6.62E-05	0.000326266	Usp8

ENSMUSG00000030069.15	66.55322026	-1.495566618	6.63E-05	0.000326391	Prok2
ENSMUSG00000046441.5	514.1275887	0.545533169	6.63E-05	0.000326391	Cmtr2
ENSMUSG00000035441.14	404.5604802	0.655670192	6.64E-05	0.000326964	Myo1d
ENSMUSG00000038387.9	1624.791183	0.362037777	6.66E-05	0.000327425	Rras
ENSMUSG00000027716.13	363.3662969	-0.630100658	6.67E-05	0.000328299	Trpc3
ENSMUSG00000025602.13	339.9362196	0.682962627	6.71E-05	0.000330185	Zfp202
ENSMUSG00000062014.13	4751.106891	-0.227978848	6.76E-05	0.000332285	Gmfb
ENSMUSG00000060288.13	2194.81564	0.299459522	6.78E-05	0.000333337	Ppih
ENSMUSG00000026223.15	5110.937853	-0.216008683	6.78E-05	0.000333431	Itm2c
ENSMUSG00000030007.8	30363.44473	0.153581922	6.79E-05	0.000333545	Cct7
ENSMUSG00000096255.2	11457.28048	-0.174315957	6.80E-05	0.000333876	Dynl1b
ENSMUSG00000060257.2	90.50908168	-1.290286076	6.81E-05	0.000334376	Scrt2
ENSMUSG00000020658.10	1240.150967	0.372262347	6.82E-05	0.000334618	Efr3b
ENSMUSG00000031951.8	1546.562089	-0.330722743	6.85E-05	0.000336132	Tmem231
ENSMUSG00000034422.14	109.6782912	-1.14241683	6.86E-05	0.000336711	Parp14
ENSMUSG00000033036.9	885.5633067	0.413563764	6.87E-05	0.00033685	AC164004.4
ENSMUSG00000042472.11	1742.543755	0.312542232	6.91E-05	0.000339006	Zfp410
ENSMUSG00000059423.13	869.0520824	0.441163002	6.92E-05	0.00033944	Zfp933
ENSMUSG00000048022.11	150.7383943	-0.971515415	6.92E-05	0.000339449	Tmem229a
ENSMUSG00000030924.16	398.9553354	-0.608156369	6.93E-05	0.000339892	AC122423.2
ENSMUSG00000024844.14	10009.28074	0.189147393	6.94E-05	0.000340005	Banf1
ENSMUSG00000021587.5	447.5336312	-0.596099816	6.94E-05	0.000340162	Pcsk1
ENSMUSG00000020692.14	4960.290798	-0.213307584	6.95E-05	0.000340424	Nle1
ENSMUSG00000048706.3	423.8248741	-0.650209577	6.95E-05	0.000340577	Lurap11
ENSMUSG00000004207.14	18750.40318	0.17051396	6.97E-05	0.000341013	Psap
ENSMUSG00000028413.13	2988.831604	-0.263853267	6.96E-05	0.000341013	B4galt1
ENSMUSG00000048826.6	729.989224	-0.47417142	6.98E-05	0.000341585	Dact2
ENSMUSG00000030600.15	1793.701339	-0.313045885	6.98E-05	0.000341591	Lrfn1
ENSMUSG00000050671.12	339.5162495	-0.664531633	7.02E-05	0.000343494	Ism2
ENSMUSG00000099997.1	1071.356335	0.379525208	7.07E-05	0.000345565	Tubb4b-ps2
ENSMUSG00000026000.16	1939.874636	-0.298010016	7.08E-05	0.00034623	Lancl1
ENSMUSG00000021094.10	2786.164197	-0.266930916	7.10E-05	0.000346899	Dhrs7
ENSMUSG00000038319.14	834.5224907	-0.445104774	7.15E-05	0.000349308	Kcnh2
ENSMUSG00000046440.9	6523.026429	0.222312156	7.16E-05	0.000349684	RP24-255F19.1
ENSMUSG00000018923.13	1071.807831	0.392199305	7.18E-05	0.000350604	Med11
ENSMUSG00000019927.6	2171.467676	0.281582868	7.20E-05	0.000351637	Ube2d1
ENSMUSG00000085502.1	53.7188101	1.738882569	7.20E-05	0.000351722	RP23-326P7.11
ENSMUSG00000030094.8	2021.459909	0.291457867	7.24E-05	0.000353601	Xpc
ENSMUSG00000020326.7	1291.340369	-0.373021414	7.26E-05	0.000354201	Ccng1
ENSMUSG00000027620.16	15278.38293	-0.158705246	7.27E-05	0.000354571	Rbm39
ENSMUSG00000033998.9	669.115274	-0.482195574	7.27E-05	0.000354788	Kcnk1
ENSMUSG00000083563.1	98052.1607	0.149179627	7.29E-05	0.000355682	RP23-407K8.3
ENSMUSG00000064181.6	2396.496348	0.292111704	7.35E-05	0.000358238	Rab3ip
ENSMUSG00000033417.15	3582.615271	0.233732805	7.39E-05	0.000360338	Cacul1
ENSMUSG00000066036.14	23209.88728	0.175353963	7.45E-05	0.000363202	Ubr4
ENSMUSG00000049176.14	636.8760319	-0.48603501	7.47E-05	0.000364037	Frmpr4
ENSMUSG00000062296.8	726.1310143	-0.44867661	7.49E-05	0.000364796	Trank1
ENSMUSG000000101800.1	165.3361152	0.940123665	7.50E-05	0.000365178	Rnf170-ps
ENSMUSG00000097901.7	111.880728	-1.138164144	7.50E-05	0.000365492	RP23-368D4.5
ENSMUSG00000021662.10	675.3681734	-0.492584112	7.52E-05	0.000366057	Arhgef28
ENSMUSG00000086542.1	183.4430548	-0.889978584	7.52E-05	0.000366245	RP24-67I3.8
ENSMUSG00000037646.10	2153.864795	-0.320168487	7.53E-05	0.000366401	Vps13b
ENSMUSG00000052605.12	77.0545495	1.380590684	7.56E-05	0.000367812	Isoc2b
ENSMUSG00000031985.9	5972.527815	-0.205943227	7.56E-05	0.000368003	Gnpat
ENSMUSG00000028329.13	249.5309857	0.7617482	7.58E-05	0.000368424	Xpa
ENSMUSG00000062038.5	3277.811315	0.245091583	7.58E-05	0.000368424	RP23-30B3.3
ENSMUSG00000026048.16	977.7577761	0.413326863	7.58E-05	0.000368439	Erc5
ENSMUSG00000027203.15	8577.5411	-0.183435653	7.58E-05	0.000368564	Dut
ENSMUSG00000028199.18	900.3479197	-0.406820587	7.58E-05	0.000368564	Cryz
ENSMUSG00000039633.6	1431.443311	-0.336725027	7.59E-05	0.000368702	Lonrf1
ENSMUSG00000061143.15	886.4260416	-0.409422653	7.61E-05	0.000369579	Maml3
ENSMUSG0000003308.15	775.3346177	-0.463807908	7.66E-05	0.000372046	Keap1
ENSMUSG00000021831.9	13855.12754	-0.500161212	7.68E-05	0.000372633	Ero1l
ENSMUSG00000022706.16	1801.196473	0.315128969	7.68E-05	0.000373018	Mrpl40
ENSMUSG00000014329.14	289.7040936	0.713669063	7.70E-05	0.000373619	Bicc1
ENSMUSG00000072258.10	732.5076774	0.452010003	7.72E-05	0.000374672	Taf1a
ENSMUSG00000017446.14	444.9633078	-0.590188458	7.73E-05	0.000374854	C1qtnf1
ENSMUSG000000110148.1	51.69328792	-1.699356622	7.73E-05	0.000375022	RP23-106I21.5
ENSMUSG00000005362.14	2122.015855	-0.291163678	7.74E-05	0.000375204	Crbn
ENSMUSG00000054717.7	20852.03328	-0.150472459	7.75E-05	0.000375794	Hmgb2

ENSMUSG00000034021.15	4090.325422	-0.228002038	7.77E-05	0.000376538	Pds5b
ENSMUSG00000028017.7	185.3735525	0.909777049	7.79E-05	0.000377221	Egf
ENSMUSG00000042453.14	342.0679594	-0.643661064	7.79E-05	0.000377402	Reln
ENSMUSG00000038593.18	565.759758	-0.517652105	7.82E-05	0.000378809	Tctn1
ENSMUSG00000042901.10	1396.29808	0.336688681	7.84E-05	0.000379378	Aida
ENSMUSG00000031340.8	379.1164557	-0.61789395	7.84E-05	0.000379409	Gabre
ENSMUSG00000049878.13	3245.665683	0.238717354	7.89E-05	0.000382081	Rlf
ENSMUSG00000032246.14	19.29224393	6.167421867	7.90E-05	0.000382376	Calml4
ENSMUSG00000071064.13	542.8668756	-0.543006059	7.95E-05	0.000384511	Zfp827
ENSMUSG00000005299.6	3257.476893	0.240581042	7.96E-05	0.000384932	Letm1
ENSMUSG00000003873.11	3917.358497	0.229676695	7.99E-05	0.000386313	Bax
ENSMUSG00000024218.12	1587.355101	0.324480245	7.99E-05	0.000386313	Taf11
ENSMUSG00000025289.15	13527.02292	0.19323978	7.99E-05	0.000386313	Prdx4
ENSMUSG00000022516.10	945.1254889	0.408184872	8.02E-05	0.000387388	Nudt1611
ENSMUSG00000029440.15	1636.371808	0.332873991	8.11E-05	0.000391953	Psmd9
ENSMUSG00000024038.16	3292.325679	0.248528969	8.14E-05	0.000393208	Ndufv3
ENSMUSG000000116908.1	209.7516048	-0.887123977	8.22E-05	0.000396877	RP24-340J3.3
ENSMUSG00000030209.14	62.86722532	-1.504834113	8.24E-05	0.000397798	Grin2b
ENSMUSG00000045594.10	1023.775477	0.402696546	8.27E-05	0.000398982	Glb1
ENSMUSG00000027067.16	16341.66962	0.156549229	8.28E-05	0.00039965	Ssrp1
ENSMUSG00000022614.8	2618.263548	0.272527578	8.29E-05	0.00039989	Lmf2
ENSMUSG0000000402.2	185.7933563	-0.87878322	8.30E-05	0.000400188	Egfl6
ENSMUSG00000009733.9	1043.17354	0.390349837	8.30E-05	0.000400188	Tfcp2
ENSMUSG00000030751.18	7604.386063	0.194779716	8.32E-05	0.000400992	Psma1
ENSMUSG000000107300.1	39.74543218	2.114396619	8.33E-05	0.000401687	RP23-472J13.3
ENSMUSG00000073436.11	158.8528657	0.966312398	8.34E-05	0.000401979	Eme2
ENSMUSG00000039307.16	1369.507058	-0.337394032	8.37E-05	0.000403402	Hexdc
ENSMUSG000000103206.1	169.6297507	0.91320912	8.45E-05	0.000406897	RP23-245M20.4
ENSMUSG00000024063.12	1896.47041	-0.292300879	8.46E-05	0.000407492	Lbh
ENSMUSG00000038331.15	122.8309657	1.153426581	8.48E-05	0.000408482	Satb2
ENSMUSG00000080977.1	2342.232514	0.275720094	8.51E-05	0.000409533	RP23-322I11.4
ENSMUSG00000044751.5	1943.017921	0.293345219	8.52E-05	0.000409987	RP23-173F16.2
ENSMUSG00000054728.16	637.5681962	-0.484906204	8.52E-05	0.000410113	Phactr1
ENSMUSG00000091563.8	270.5131095	-0.714297911	8.59E-05	0.000413086	RP23-45E20.8
ENSMUSG00000029561.17	116.4473449	-1.094656663	8.64E-05	0.00041566	Oasl2
ENSMUSG00000015536.14	1084.781408	0.39390744	8.67E-05	0.000417121	Mocs2
ENSMUSG00000048916.7	204.6895571	-0.830572146	8.75E-05	0.000420461	AC113279.4
ENSMUSG00000028792.14	7883.408646	0.180189989	8.77E-05	0.000421691	Ak2
ENSMUSG00000030697.7	6222.771837	0.195047326	8.82E-05	0.00042384	Ppp4c
ENSMUSG000000090207.2	26.70343988	2.526593212	8.90E-05	0.000427591	RP23-201C3.1
ENSMUSG00000022106.14	428.3415909	-0.570532286	8.91E-05	0.000427852	Rcbtb2
ENSMUSG00000021611.9	834.4173681	-0.434346078	8.94E-05	0.00042928	Tert
ENSMUSG00000040276.15	171.1293911	-0.909232281	8.95E-05	0.000429705	Pacsin1
ENSMUSG00000020918.14	7249.354475	-0.184112921	9.02E-05	0.000433217	Kat2a
ENSMUSG00000050730.17	638.7328432	-0.530396132	9.06E-05	0.000435025	Arhgap42
ENSMUSG00000057329.7	331.5606556	-0.684865559	9.12E-05	0.000437747	Bcl2
ENSMUSG00000030275.6	10904.41506	0.211092262	9.13E-05	0.000438138	Etnk1
ENSMUSG00000038545.13	4216.71395	-0.219407967	9.16E-05	0.000439402	Cul7
ENSMUSG00000030753.15	2438.208544	0.302136225	9.18E-05	0.00044004	Thap12
ENSMUSG00000025154.14	5671.186228	-0.202919407	9.21E-05	0.000441664	Arhgap19
ENSMUSG00000045104.8	338.4821245	-0.65159134	9.25E-05	0.000443531	Gm5514
ENSMUSG00000040850.17	15369.52386	-0.163416233	9.30E-05	0.000445476	Psme4
ENSMUSG00000043384.15	9231.934474	-0.176112175	9.37E-05	0.000448955	Gprasp1
ENSMUSG00000045438.12	683.9983232	0.468668413	9.37E-05	0.000448955	Cox19
ENSMUSG00000068264.11	364.1467994	0.634297345	9.39E-05	0.000449776	Ap5s1
ENSMUSG00000020840.10	8430.758402	0.181630924	9.48E-05	0.000453704	Blmh
ENSMUSG00000036819.14	2437.769877	0.28214242	9.50E-05	0.00045452	Jmjd4
ENSMUSG00000095276.2	15.34645542	4.808523022	9.50E-05	0.000454605	Gfy
ENSMUSG00000032673.5	925.4910697	0.411424866	9.56E-05	0.000457516	Prorsd1
ENSMUSG00000026097.9	1002.255506	0.404887744	9.58E-05	0.000458064	Ormdl1
ENSMUSG00000049504.12	2932.11664	0.260621561	9.63E-05	0.000460552	Proser1
ENSMUSG00000061755.10	7228.097758	-0.242427691	9.73E-05	0.000464998	Bod1l
ENSMUSG00000060475.12	5071.793173	-0.207512877	9.77E-05	0.000466995	Wtap
ENSMUSG00000053395.15	343.0003581	-0.634894916	9.78E-05	0.000467446	Cacng8
ENSMUSG00000062619.5	514.1142146	0.522120047	9.90E-05	0.000472851	2310039H08Rik
ENSMUSG00000026987.16	1888.005339	-0.31279325	9.92E-05	0.000473687	Baz2b
ENSMUSG00000041135.15	600.0365574	0.516898235	9.95E-05	0.00047522	Ripk2
ENSMUSG00000044548.11	318.5971519	-0.681009686	9.95E-05	0.00047522	Dact1
ENSMUSG00000045573.9	729.3908617	-0.466421173	9.95E-05	0.00047522	Penk
ENSMUSG00000034210.13	3086.266818	-0.245642332	9.97E-05	0.000475769	Efcab14

ENSMUSG00000068259.4	15.84933843	4.235308439	0.000100912	0.000481529	Olfra461
ENSMUSG00000038252.13	15263.79305	-0.15538732	0.000101836	0.000485831	Ncapd2
ENSMUSG000000100691.1	247.2981193	0.745704046	0.000102009	0.000486548	RP23-410L16.1
ENSMUSG00000014859.9	6427.900061	0.189326835	0.000103383	0.000492994	E2f4
ENSMUSG00000000605.9	1873.011399	0.290972759	0.000103485	0.000493375	Clcn4
ENSMUSG000000037280.12	267.1842826	-0.779103769	0.000103767	0.000494607	Galnt6
ENSMUSG000000081121.1	503.6181885	0.524574148	0.00010405	0.000495847	RP23-27H11.2
ENSMUSG00000068196.5	388.7333027	-0.636991506	0.000104077	0.000495868	Col8a1
ENSMUSG000000061119.7	1736.521765	-0.300356872	0.000104222	0.000496448	Prcp
ENSMUSG000000024360.7	15866.56479	0.153766581	0.000104345	0.000496928	Etf1
ENSMUSG000000041797.7	51.12820133	-1.677109646	0.000104781	0.000498892	Abca9
ENSMUSG00000028246.13	212.0168806	-0.810898635	0.000104993	0.000499794	Faxc
ENSMUSG00000028282.12	3442.80697	0.269882565	0.000105301	0.000501149	Casp8ap2
ENSMUSG000000032294.17	154809.4993	-0.127430475	0.000105551	0.000502228	Pkm
ENSMUSG000000030591.17	6213.613202	0.192150693	0.00010571	0.000502878	Psmid8
ENSMUSG00000001380.6	4414.296651	0.211729604	0.000106256	0.000505361	Hars
ENSMUSG000000039497.8	2730.811461	-0.253602256	0.000107107	0.0005093	Dse
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ENSMUSG00000020894.16	2138.750146	0.281643349	0.000107644	0.000511517	Vamp2
ENSMUSG000000029404.15	1817.431542	-0.312012205	0.000108473	0.000515342	Arl6ip4
ENSMUSG000000032637.15	17156.25826	0.154848713	0.000109176	0.000518569	Atxn2l
ENSMUSG000000073130.9	27.78273557	2.489666428	0.000109295	0.000519022	Gm1141
ENSMUSG000000069072.9	280.1025935	-0.69244684	0.000109467	0.000519724	Slc7a14
ENSMUSG000000056185.4	233.4515652	0.83199451	0.000109647	0.000520465	Snx32
ENSMUSG000000029048.3	4541.997026	0.213007384	0.00010977	0.000520932	Rer1
ENSMUSG000000045875.13	115.7410995	-1.181539461	0.000109836	0.00052113	Adra1a
ENSMUSG000000061393.14	3468.560061	-0.256192748	0.0001099	0.000521321	Acvr2b
ENSMUSG000000107877.1	255.2974978	-0.765520717	0.000111431	0.000528467	RP23-207N15.7
ENSMUSG000000114533.1	1590.692994	0.327428455	0.000111634	0.000529317	RP23-189B14.1
ENSMUSG000000024165.8	8689.656816	0.18618444	0.000111677	0.000529403	Jpt2
ENSMUSG000000022808.5	2475.80456	0.272742148	0.000111972	0.000530685	Snx4
ENSMUSG000000063787.4	2915.569959	0.253453904	0.000112507	0.000533105	Chchd1
ENSMUSG00000006398.15	8678.567089	0.174226822	0.000112617	0.00053351	Cdc20
ENSMUSG000000028334.10	3476.770437	0.231272912	0.000113046	0.000535367	Nans
ENSMUSG000000047344.9	135.2284454	-1.032540337	0.000113058	0.000535367	Lancl3
ENSMUSG000000032478.14	1466.445354	0.33851413	0.000113106	0.000535478	Nme6
ENSMUSG000000020811.16	155.2869309	-0.927195989	0.000113175	0.000535688	Wscd1
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ENSMUSG000000034342.9	6806.878409	-0.234714837	0.000113909	0.000538924	Cbl
ENSMUSG000000031144.15	355.316662	0.635976077	0.000113967	0.000539081	Syp
ENSMUSG000000021874.12	35.9545032	2.07488437	0.000113996	0.000539102	Slmapos1
ENSMUSG000000027774.16	4510.906134	0.218614511	0.000114045	0.000539182	Gfm1
ENSMUSG000000029267.17	5386.925015	-0.210419182	0.000114062	0.000539182	Mtf2
ENSMUSG00000001552.14	1804.914947	0.293507982	0.00011445	0.000540897	Jup
ENSMUSG000000029797.13	193.536874	-0.87960873	0.000114679	0.000541858	Sspo
ENSMUSG000000018293.4	38665.23331	0.150228315	0.000114728	0.000541971	Pfn1
ENSMUSG000000046380.3	329.0829579	-0.639088008	0.000114856	0.000542459	Jrk
ENSMUSG000000029053.16	1573.576571	0.328423188	0.000114883	0.00054247	Prkcz
ENSMUSG000000055874.6	209.2548745	-0.879627885	0.000114915	0.000542502	Foxi3
ENSMUSG000000025656.17	185.2269757	-0.93345892	0.000114965	0.000542623	Arhgef9
ENSMUSG000000081752.3	9192.604169	-0.172340135	0.000115547	0.000545251	RP23-160B4.1
ENSMUSG000000069806.5	3237.399581	0.241420851	0.000116041	0.00054746	Cacng7
ENSMUSG000000080840.1	613.7220525	0.474370595	0.000116212	0.000548147	RP23-313I15.1
ENSMUSG000000022707.16	639.0431851	-0.528510376	0.000116304	0.000548464	Gbe1
ENSMUSG000000033578.7	1044.344919	-0.413500804	0.000116627	0.000549866	Tmem35
ENSMUSG000000047787.7	124.1971636	-1.045659196	0.000117081	0.000551767	Flrt1
ENSMUSG000000047986.12	562.7851038	-0.503296889	0.00011707	0.000551767	Palm3
ENSMUSG000000021254.9	884.7187697	0.40478806	0.000117321	0.000552779	Gpatch2l
ENSMUSG000000107476.2	2260.456786	-0.287452008	0.000118032	0.000556008	Zfp862-ps
ENSMUSG000000053877.12	335.6449353	-0.681077478	0.000118212	0.000556735	Srcap
ENSMUSG000000022545.13	794.3049667	-0.43935897	0.000118629	0.000558578	Erccl
ENSMUSG000000028514.15	4839.739349	-0.232829767	0.000118827	0.000559391	Usp24
ENSMUSG000000032504.15	4226.751829	0.214904496	0.000119371	0.000561826	Pdcd6ip
ENSMUSG000000040322.10	615.276388	-0.480034399	0.000119559	0.000562591	Slc25a24
ENSMUSG000000024370.16	5110.247061	0.201501671	0.000119594	0.000562632	Cdc23
ENSMUSG000000033653.18	1215.354096	0.348399582	0.000120259	0.000565641	Vps8
ENSMUSG000000111904.1	387.3073645	0.590994462	0.000121053	0.00056925	RP23-212M22.4
ENSMUSG000000059316.2	1389.06018	0.33180394	0.000121506	0.000571256	Slc27a4
ENSMUSG000000029213.11	2378.418457	0.2640287	0.000121634	0.000571735	Commdd8

ENSMUSG00000026883.17	2822.452371	-0.253399998	0.000121795	0.000572369	Dab2ip
ENSMUSG00000090100.7	1171.116822	-0.358254737	0.000122509	0.0005756	Ttbk2
ENSMUSG000000031099.16	1193.587358	-0.347695571	0.000122882	0.000577224	Smarca1
ENSMUSG00000029290.12	1964.552857	-0.292436407	0.000123257	0.000578861	Zfp326
ENSMUSG00000028062.15	2210.769721	0.281767489	0.000123589	0.000580183	Lamtor2
ENSMUSG00000039754.10	582.7792638	0.485997192	0.000123592	0.000580183	Alkbh4
ENSMUSG00000015943.11	1134.226474	0.401193866	0.000123717	0.000580519	Bola1
ENSMUSG00000035575.11	5949.095489	0.207530556	0.000123714	0.000580519	Utp6
ENSMUSG00000005370.3	7922.607682	-0.180204417	0.000124164	0.000582492	Msh6
ENSMUSG00000028019.9	195.256737	-0.827014518	0.000124305	0.000583029	Pdgfc
ENSMUSG00000091625.8	2374.332572	0.267540593	0.000124369	0.000583204	Lsm5
ENSMUSG00000021302.10	1678.940982	-0.303803095	0.00012475	0.000584862	Ggps1
ENSMUSG00000081157.1	746.9695428	0.432459513	0.000124847	0.000585192	RP23-114N20.1
ENSMUSG00000009995.17	1385.809698	-0.330678234	0.000125085	0.00058618	Taz
ENSMUSG00000071757.10	292.0145871	-0.674901172	0.00012517	0.000586451	Zhx2
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ENSMUSG00000043059.9	5075.688525	-0.208431004	0.000125486	0.000587678	Tpmf1
ENSMUSG00000038780.14	2193.768926	0.271811996	0.000126112	0.000590483	Smurf1
ENSMUSG00000028398.8	1848.284202	0.293106045	0.000126295	0.000591211	Tmem261
ENSMUSG00000008429.8	1866.513436	0.288972099	0.000126372	0.000591318	Herpud2
ENSMUSG00000024613.16	11070.55293	0.168478424	0.000126348	0.000591318	Tcof1
ENSMUSG00000038845.11	15183.32215	0.163463553	0.000127563	0.000596761	Phb
ENSMUSG00000032913.13	2056.46039	-0.276119501	0.000127778	0.000597637	Lrig2
ENSMUSG000000064284.12	460.5083327	0.551127331	0.000128094	0.000598986	Cdpf1
ENSMUSG00000043059.16	867.5071668	0.405859375	0.000128224	0.000599406	Zfp513
ENSMUSG00000057594.12	759.7275827	0.427176807	0.000128239	0.000599406	Arl16
ENSMUSG00000035914.11	4024.849977	-0.216735273	0.000128937	0.00060254	Cd276
ENSMUSG00000052676.16	49.01191936	1.724556666	0.000129452	0.000604817	Zmat1
ENSMUSG00000026755.14	2272.473337	0.264861475	0.000129482	0.000604825	Arpc5l
ENSMUSG00000061028.7	3342.213744	0.22976358	0.000130049	0.000607345	Clasrp
ENSMUSG00000030689.15	2091.65184	0.274226401	0.000130146	0.000607667	Ino80e
ENSMUSG000000087094.1	15.99532469	3.811767725	0.000130392	0.000608682	RP23-123I20.3
ENSMUSG00000027680.15	9048.720426	0.178036321	0.000131147	0.000612078	Fxr1
ENSMUSG00000063663.11	2959.905339	-0.304443356	0.00013119	0.000612146	Brwd3
ENSMUSG00000106918.3	1523.509105	0.327849261	0.000131343	0.000612726	Mrpl33
ENSMUSG00000059263.9	6229.361799	0.18909125	0.000131503	0.000613341	Usp47
ENSMUSG00000022477.13	13567.0526	0.170547538	0.000131756	0.000614388	Aco2
ENSMUSG00000022421.19	993.9325118	-0.396396357	0.000131887	0.000614868	Nptxr
ENSMUSG00000025352.6	216.1234797	0.780049425	0.00013216	0.000616008	Gdf11
ENSMUSG00000027784.10	1248.515089	-0.347259788	0.000132247	0.00061628	Ppm1l
ENSMUSG00000037325.10	455.6070582	0.543315577	0.000132629	0.000617928	Bbs7
ENSMUSG00000055452.6	652.3524646	0.457460898	0.000133491	0.000621813	RP24-364D22.5
ENSMUSG00000000411.7	16.47065399	3.883201519	0.000133858	0.000623386	Tssk3
ENSMUSG00000089640.1	964.2784807	-0.393978515	0.000133972	0.000623784	AL592433.1
ENSMUSG00000098702.1	280.9100599	0.692545507	0.000134332	0.000625327	RP24-390G17.1
ENSMUSG00000029482.4	3958.801085	0.223056391	0.000134385	0.000625438	Aacs
ENSMUSG00000066551.12	13957.95626	-0.161612	0.00013461	0.00062635	Hmgb1
ENSMUSG00000028370.7	78.00035997	-1.300705112	0.000134972	0.0006279	Pappa
ENSMUSG00000025507.13	1269.433725	0.34704903	0.000135079	0.000628267	Pidd1
ENSMUSG00000020697.16	5108.362583	0.219273914	0.000135378	0.000629519	Lig3
ENSMUSG00000052914.4	348.9261375	-0.631881983	0.000135552	0.000630194	Cyp2j6
ENSMUSG00000047067.7	231.8343664	0.763779896	0.00013606	0.00063242	Dusp28
ENSMUSG00000071796.13	18331.54094	-0.163964879	0.000136135	0.000632632	AC152164.3
ENSMUSG00000032776.9	260.7008187	-0.722643841	0.000136363	0.000633557	Mctp2
ENSMUSG00000026614.6	217.3743072	-0.890776516	0.00013643	0.000633733	Slc30a10
ENSMUSG00000035597.19	4343.532591	-0.217183178	0.000136606	0.000634417	Prpf39
ENSMUSG00000050379.15	1870.299438	-0.310643647	0.000136687	0.000634655	06. Sep
ENSMUSG00000059864.2	15.23062394	4.199298226	0.0001368	0.000635044	Olf1393
ENSMUSG00000074211.4	133.1505277	1.029435984	0.000137011	0.00063589	Sdhaf1
ENSMUSG00000021223.13	23.5019072	2.810450327	0.000137247	0.000636847	Papln
ENSMUSG00000037553.14	2265.379426	-0.287130643	0.000138177	0.000641027	Zdhhc18
ENSMUSG00000048807.2	680.3220472	0.450106954	0.000138674	0.000643195	Slc35e4
ENSMUSG00000073775.4	606.1570957	0.479629888	0.000139259	0.00064577	Kti12
ENSMUSG00000041115.16	336.0676754	-0.663120477	0.000139328	0.00064595	Iqsec2
ENSMUSG00000026616.15	101.3220104	-1.16884935	0.000139488	0.000646524	Cr2
ENSMUSG00000034902.17	2606.270325	0.273027428	0.000139511	0.000646524	Pip5k1c
ENSMUSG00000111128.1	199.1796112	-0.81024758	0.0001396	0.000646798	RP23-3F1.8
ENSMUSG00000046341.5	12109.68513	-0.163773488	0.000140561	0.000651112	RP23-222K9.2
ENSMUSG0000005034.15	3930.65615	-0.234414773	0.000141916	0.000657106	Prkacb
ENSMUSG00000016346.17	269.8781033	-0.708124412	0.000141892	0.000657106	Kcnq2

ENSMUSG00000115505.1	862.7723662	-0.434650675	0.000142416	0.00065928	RP23-216H22.6
ENSMUSG00000023027.13	1980.342673	-0.291218682	0.000143113	0.000662367	Atf1
ENSMUSG00000025485.13	1935.706383	0.287787408	0.000143474	0.000663846	Ric8
ENSMUSG00000074220.10	456.4332768	0.557682788	0.000143494	0.000663846	Zfp382
ENSMUSG00000027406.12	5831.875948	0.197738602	0.000143576	0.000664085	Idh3b
ENSMUSG000000112683.1	920.3967286	0.39574748	0.000143761	0.000664798	RP23-360L4.4
ENSMUSG00000095912.1	280.0560174	-0.685165185	0.000144322	0.000667251	RP24-576O9.5
ENSMUSG00000060803.5	836.5943278	-0.42745583	0.000144947	0.000669998	Gstp1
ENSMUSG00000035011.15	1039.086701	0.369442886	0.000145137	0.000670733	Zbtb7a
ENSMUSG00000030417.15	1882.601742	0.311418848	0.000145252	0.000671123	Pdcd5
ENSMUSG00000044636.6	585.5065444	0.503220681	0.000145292	0.000671165	Csrnp2
ENSMUSG00000015843.10	133.7822678	-0.986593828	0.000145612	0.000672357	Rxrg
ENSMUSG00000094410.7	407.385978	-0.599186103	0.0001456	0.000672357	RP24-200D3.4
ENSMUSG00000039108.14	3879.15125	-0.218240481	0.000146217	0.000675004	Lsm14b
ENSMUSG00000021905.14	897.609174	0.398326871	0.000147117	0.000679016	Dph3
ENSMUSG00000027011.14	2126.913386	-0.269339419	0.00014735	0.000679948	Ube2e3
ENSMUSG00000001986.16	680.556202	-0.443789279	0.00014748	0.000680404	Gria3
ENSMUSG00000037016.11	9537.787127	-0.194018929	0.000148431	0.000684644	Frem2
ENSMUSG00000053094.15	4548.670985	0.208290169	0.000148616	0.000685353	Tmem248
ENSMUSG00000042444.10	1367.503371	-0.333129711	0.000149688	0.00069	Fam63b
ENSMUSG00000052160.7	365.1870693	-0.609579758	0.000149669	0.00069	Plid4
ENSMUSG00000022337.7	2006.355858	0.299377736	0.000149884	0.000690548	Emc2
ENSMUSG00000030335.6	4446.901	0.220397886	0.000149881	0.000690548	Mrpl51
ENSMUSG00000036959.15	1677.00335	0.300680481	0.000149902	0.000690548	Bcor1
ENSMUSG00000052337.15	7707.039308	0.181577917	0.000150944	0.000695199	Immt
ENSMUSG00000091512.5	1622.942347	0.305726114	0.000151204	0.000696251	Lamtor3
ENSMUSG00000038215.15	1189.973129	-0.344215272	0.000151613	0.000697984	Cep44
ENSMUSG00000055917.15	1902.688842	0.283929099	0.000151655	0.000698031	Zfp277
ENSMUSG00000023938.7	2033.905985	0.27475831	0.000151911	0.000699061	Aars2
ENSMUSG00000056215.13	209.1915746	-0.783130863	0.000152012	0.000699378	Lrguk
ENSMUSG0000009905.5	2256.530903	0.272449349	0.000152773	0.000702728	Kdsr
ENSMUSG00000038416.15	3449.191004	0.226944461	0.00015294	0.000703347	Cdc16
ENSMUSG00000029147.11	16248.92536	0.15109105	0.00015308	0.000703842	Ppm1g
ENSMUSG00000037949.8	2464.927642	0.261554824	0.000153307	0.000704738	Ano10
ENSMUSG00000022895.15	615.7878085	-0.494641559	0.000153408	0.000705052	Ets2
ENSMUSG00000023072.14	1121.48662	-0.366837054	0.000153888	0.000707111	Cep89
ENSMUSG00000000617.14	52.71549086	-1.622265063	0.0001542	0.000708242	Grm6
ENSMUSG00000041057.9	8863.775674	-0.169816882	0.000154199	0.000708242	Wdr43
ENSMUSG00000028577.13	6796.781304	0.181983933	0.000154466	0.000709313	Plaa
ENSMUSG000000028417.3	29.20150621	2.267681613	0.000154917	0.000711234	Tal2
ENSMUSG00000031168.14	1795.670042	0.291748965	0.000155171	0.000712252	Ebp
ENSMUSG00000023151.9	14.33366889	4.707346593	0.000155538	0.000713785	Lrrc69
ENSMUSG00000058979.7	1322.905168	0.33385764	0.000155866	0.000715137	Cecr5
ENSMUSG00000059901.12	126.8662586	-1.019770515	0.000156607	0.000718388	Adamts14
ENSMUSG00000031990.15	2737.146891	0.247607652	0.000156727	0.000718785	Jam3
ENSMUSG00000042225.3	4613.535435	-0.224956074	0.000157851	0.000723788	Ammecr1
ENSMUSG00000020441.6	1161.855902	0.346501906	0.000157981	0.000724231	RP23-192P17.3
ENSMUSG00000054675.5	174.3324346	-0.903539544	0.00015849	0.00072641	Tmem119
ENSMUSG00000027520.15	1563.930923	-0.338812153	0.000158868	0.00072799	Zdbf2
ENSMUSG00000027171.10	621.7598897	-0.459915625	0.000160075	0.000733363	Prrg4
ENSMUSG00000031024.13	1185.289733	-0.364718813	0.000160116	0.0007334	St5
ENSMUSG00000000884.17	621.5703947	0.466472616	0.000160642	0.00073565	Gnb1l
ENSMUSG00000021413.9	8398.106744	-0.203295287	0.00016107	0.000737458	Prpf4b
ENSMUSG00000020088.10	4799.432269	0.210099499	0.000161517	0.000739348	Sar1a
ENSMUSG00000031483.8	3548.657688	-0.221448108	0.000163696	0.000749162	Erlin2
ENSMUSG00000035365.15	785.8348781	-0.426500537	0.00016424	0.000751335	Parppb
ENSMUSG00000040648.14	5658.500117	-0.205558754	0.00016424	0.000751335	Ppip5k2
ENSMUSG00000036820.11	636.7135655	0.463872969	0.000164313	0.000751513	Amdhd2
ENSMUSG00000002395.14	1411.637536	0.322180073	0.000165148	0.000755012	Use1
ENSMUSG00000002910.11	728.8582114	0.429573724	0.000165141	0.000755012	Arrdc2
ENSMUSG00000115041.1	21.61635577	2.832770193	0.000165992	0.00075871	RP23-337O1.7
ENSMUSG00000014470.4	780.8818974	0.418986861	0.000166078	0.000758946	Rnf166
ENSMUSG00000078201.5	270.0553825	0.698896818	0.00016669	0.000761578	Tmem203
ENSMUSG00000037846.18	652.7413835	-0.473862978	0.00016707	0.000763156	Rtkn2
ENSMUSG00000026766.16	2892.513839	0.238050463	0.000167194	0.000763559	Mmadhc
ENSMUSG00000032878.16	800.3330175	-0.418848303	0.000169386	0.000773411	Ccdc85a
ENSMUSG00000039828.7	2173.540853	0.271570463	0.000169537	0.000773938	Wdr70
ENSMUSG00000026740.12	1637.976436	0.318906363	0.000170232	0.000776944	Dnajc1
ENSMUSG00000021806.4	15194.28778	-0.152194403	0.000170583	0.000778219	Nid2
ENSMUSG00000030695.16	51159.82289	-0.157007698	0.000170583	0.000778219	Aldoa

ENSMUSG00000019767.12	24.74786904	2.505898131	0.000170877	0.000779397	Ccdc170
ENSMUSG000000031861.15	2703.917783	0.248036093	0.000171104	0.000780268	Lpar2
ENSMUSG000000045576.16	885.4081412	0.393559137	0.000172382	0.00078593	St7l
ENSMUSG000000048154.17	7976.121866	-0.192217832	0.000172454	0.000786096	Kmt2d
ENSMUSG000000029616.9	3549.90561	0.25263627	0.000172666	0.000786894	Erp29
ENSMUSG000000063605.5	394.9038482	-0.605077546	0.000173325	0.000789731	Ccdc102a
ENSMUSG000000021711.16	3084.42008	0.235237037	0.0001738	0.00079173	Trappc13
ENSMUSG000000022619.5	3045.43837	0.242049396	0.000174092	0.000792896	Mapk8ip2
ENSMUSG000000021260.8	121.4625412	-1.019768753	0.00017416	0.000793038	Hhip1l
ENSMUSG000000054099.11	1462.138057	-0.337764407	0.000176969	0.000805659	Slc25a40
ENSMUSG000000037608.16	8958.758589	-0.195784246	0.000177796	0.000809256	Bclaf1
ENSMUSG00000015522.18	5295.373376	-0.193200151	0.000178137	0.000810373	Arnt
ENSMUSG000000030515.9	618.298053	0.467771211	0.000178145	0.000810373	Tarsl2
ENSMUSG000000070699.5	912.4109116	-0.382680335	0.000178154	0.000810373	Sars2
ENSMUSG000000025025.13	1593.791827	-0.299938318	0.00017829	0.000810823	Mxi1
ENSMUSG000000034450.8	259.225266	-0.696135681	0.000178369	0.000811011	Gulo
ENSMUSG000000053070.5	421.7832965	0.555695826	0.000178913	0.000813316	RP23-349N15.3
ENSMUSG000000026121.13	1911.648085	-0.288540351	0.000179199	0.000814447	Sema4c
ENSMUSG000000028626.5	392.3154286	-0.57546496	0.000180456	0.000819985	Col9a2
ENSMUSG000000037805.14	38650.63297	-0.153585688	0.000180823	0.000821482	Rpl10a
ENSMUSG000000020843.15	1620.310781	0.301149847	0.000181172	0.000822895	Timm22
ENSMUSG000000034110.8	262.5809114	0.696313759	0.000181219	0.000822935	Kctd7
ENSMUSG000000028232.13	672.1207077	0.440679244	0.000181597	0.000824482	Tmem68
ENSMUSG000000024805.16	642.5128456	-0.463265986	0.000181872	0.000825555	Pcgf5
ENSMUSG000000026669.14	4621.432332	-0.202879412	0.000182013	0.000825883	Mcm10
ENSMUSG000000027639.16	2362.842032	-0.264068773	0.00018202	0.000825883	Samhd1
ENSMUSG000000107066.2	205.1573077	0.798096893	0.000182076	0.000825965	RP23-46L17.4
ENSMUSG000000048550.17	900.6212219	-0.419615557	0.000182574	0.000828052	Thns1
ENSMUSG000000032279.11	7867.2692	0.175250486	0.000182715	0.000828517	Idh3a
ENSMUSG000000041180.13	200.4980296	-0.827779306	0.000182901	0.000829186	Hectd2
ENSMUSG000000092086.1	785.0546209	-0.422117702	0.000183462	0.000831557	Gm6793
ENSMUSG00000000173.8	56.62887605	-1.516193909	0.000183616	0.00083208	Fbxw10
ENSMUSG000000003161.15	1308.00732	-0.337479868	0.000183709	0.000832328	Sri
ENSMUSG000000024528.7	1530.608235	0.308082839	0.000184589	0.00083614	Srfbp1
ENSMUSG000000030986.13	2311.174278	0.261273928	0.000184801	0.000836926	Dhx32
ENSMUSG000000027667.13	1661.679752	-0.299563364	0.000186514	0.000844506	Zfp639
ENSMUSG000000046169.10	221.9572053	-0.761763585	0.000186579	0.000844628	Adams6
ENSMUSG000000000374.8	1514.748139	0.337589041	0.000186653	0.000844786	Trappc10
ENSMUSG000000018770.9	10688.17425	0.166577978	0.000187358	0.000847799	Atp5g3
ENSMUSG0000000049354.8	4625.025221	0.201343689	0.000187582	0.000848636	Dcaf7
ENSMUSG000000045095.16	5514.331659	0.212345617	0.000188007	0.000850203	Magi1
ENSMUSG000000089810.1	289.8269156	-0.668811169	0.000188003	0.000850203	RP23-3F1.4
ENSMUSG000000053024.14	499.6031339	-0.512373786	0.000188792	0.000853577	Cntn2
ENSMUSG000000046589.7	109.1503386	-1.133141117	0.000188974	0.000854222	Lrrc8e
ENSMUSG000000090553.8	5089.977787	0.205014402	0.000189756	0.000857578	Snrpe
ENSMUSG000000019461.12	1091.453944	0.352990264	0.000189865	0.000857889	Plscr3
ENSMUSG000000002329.7	1177.119595	0.375081084	0.000191527	0.000865218	Mdp1
ENSMUSG000000033177.13	8.477374798	6.445106664	0.000192779	0.000870694	Trmprs7
ENSMUSG000000031488.14	4105.055528	0.209746437	0.00019288	0.00087097	Rab11fip1
ENSMUSG000000024841.7	2833.903318	0.254849786	0.000193257	0.000872418	Eif1ad
ENSMUSG000000041609.16	766.3246345	0.414334432	0.000193281	0.000872418	Bicd1
ENSMUSG000000091896.7	6871.86936	-0.187995312	0.000193353	0.000872563	Ube2d2a
ENSMUSG000000041238.15	2034.7931	0.269909383	0.000194243	0.000876395	Rbbp8
ENSMUSG000000024742.15	380.9011618	0.612904952	0.000195147	0.000880291	Fen1
ENSMUSG000000100954.4	84.96899814	-1.236275322	0.000195274	0.00088068	RP24-167M10.2
ENSMUSG000000022339.9	1799.318703	0.289403862	0.000195679	0.000882322	Ebag9
ENSMUSG000000035151.12	1182.523001	0.34329636	0.000195828	0.000882813	Elmod2
ENSMUSG000000020516.15	3771.807743	-0.213401933	0.00019615	0.000884082	Rps6kb1
ENSMUSG000000043535.13	10550.38093	-0.217177404	0.000196418	0.000885106	Setx
ENSMUSG000000015053.14	167.5020781	0.864185945	0.000196983	0.000887467	Gata2
ENSMUSG000000037573.5	851.9489866	0.393778071	0.000197033	0.000887507	Tob1
ENSMUSG000000031860.17	339.1925545	-0.637354649	0.000197104	0.000887645	Pbx4
ENSMUSG000000020358.17	44745.87506	0.136634384	0.000197326	0.000888457	Hnrrnpab
ENSMUSG000000056698.11	420.7406486	0.575119384	0.000197474	0.000888941	Elmod3
ENSMUSG000000004897.16	23335.43957	-0.143539611	0.000198599	0.000893633	Hdgf
ENSMUSG000000034818.16	580.3175368	-0.469499179	0.00019859	0.000893633	Celf5
ENSMUSG000000054469.13	1311.682788	0.33767923	0.000199002	0.000895262	Lclat1
ENSMUSG000000020566.19	18.94191343	2.988111769	0.000199664	0.000897867	Atp6v1c2
ENSMUSG000000027778.15	1830.434544	-0.310609963	0.000199646	0.000897867	Ift80
ENSMUSG00000018841.17	3677.983584	0.215152603	0.000200074	0.000899525	Rad51d

ENSMUSG00000027940.18	17615.26717	0.147570375	0.0002007	0.000901967	Tpm3
ENSMUSG00000038765.13	125.9766189	1.002457164	0.000200694	0.000901967	Lmx1b
ENSMUSG00000032977.9	1531.673155	0.316523235	0.000200767	0.000902079	Fam207a
ENSMUSG00000028517.8	424.1657807	-0.560400488	0.000200987	0.000902719	Plpp3
ENSMUSG00000059183.12	754.5760974	0.429567434	0.000200992	0.000902719	Mtfmt
ENSMUSG00000032110.4	16.08794932	5.904709087	0.000202262	0.000908232	Acrv1
ENSMUSG00000032135.15	927.0534998	-0.379663626	0.000202949	0.000911128	Mcsm
ENSMUSG00000024563.15	1828.511217	0.293150708	0.000203118	0.000911511	Smad2
ENSMUSG00000038965.17	4890.690308	0.199186577	0.000203113	0.000911511	Ube2l3
ENSMUSG00000075316.11	146.5305665	-0.947304362	0.000203493	0.000913003	Scn9a
ENSMUSG00000020024.7	3527.146385	0.226916702	0.00020396	0.000914912	Cep83
ENSMUSG00000115057.1	1126.343852	0.352580038	0.000204277	0.000916145	RP24-273F21.2
ENSMUSG00000044807.13	2033.745062	-0.306807267	0.000204394	0.000916481	Zfp354c
ENSMUSG00000039887.11	596.8211338	0.462832297	0.000205312	0.000920405	Alg14
ENSMUSG00000019689.4	707.828439	0.44350146	0.000205356	0.000920414	RP23-155A10.1
ENSMUSG00000014602.15	15859.38283	0.149104529	0.00020556	0.000921138	Kif1a
ENSMUSG00000018427.7	557.762279	0.487425706	0.000206567	0.000925458	Ypel2
ENSMUSG00000022685.9	2631.484376	0.24765101	0.000207238	0.00092827	Parn
ENSMUSG00000037085.8	333.663981	0.618146255	0.000207297	0.000928343	Trmt12
ENSMUSG00000030410.16	4264.811103	0.209836042	0.000207585	0.000929443	Dmwd
ENSMUSG00000058402.14	760.3794337	-0.429915853	0.000207806	0.000930242	Zfp420
ENSMUSG00000058581.7	1110.725479	0.347644843	0.000207943	0.000930664	RP23-207D1.1
ENSMUSG00000041506.15	3866.484832	0.210864354	0.000208536	0.000933124	Rrp9
ENSMUSG00000044393.15	2521.706073	-0.251452918	0.00021174	0.000947265	Dsg2
ENSMUSG00000009535.13	5586.763723	-0.187590042	0.000212699	0.00095136	Rnmt
ENSMUSG00000116707.1	33.9584107	2.0595079	0.000213521	0.00095484	RP24-529I3.4
ENSMUSG00000019947.10	715.5550771	-0.437752284	0.000214199	0.000957671	Arid5b
ENSMUSG00000025260.10	4222.649832	-0.217771215	0.000214269	0.000957787	Hsd17b10
ENSMUSG00000021314.12	702.2824202	-0.432227991	0.000215746	0.000964192	Amph
ENSMUSG00000024387.13	3907.873349	0.220303823	0.000217126	0.000970162	Csnk2b
ENSMUSG00000029016.13	11349.95823	0.163896445	0.000217328	0.000970864	Clcn6
ENSMUSG00000020150.13	187.2141405	-0.820599848	0.000217648	0.000972046	Gamt
ENSMUSG00000085030.1	119.7642243	1.130248405	0.000217682	0.000972046	AC147266.3
ENSMUSG00000024260.13	3950.327058	0.216538404	0.000218203	0.000974171	Sap130
ENSMUSG00000022364.14	2268.423891	-0.281493945	0.000218799	0.000976632	Tbc1d31
ENSMUSG00000079871.4	15.08540167	3.733622585	0.000219682	0.000980372	RP24-392J24.3
ENSMUSG00000034430.16	847.5397515	0.407490505	0.000220578	0.000984164	Zxdc
ENSMUSG00000025269.16	1573.688113	-0.304470025	0.000220984	0.000985775	Apex2
ENSMUSG00000028630.9	1879.761322	-0.290182598	0.000221143	0.000986284	Dyrk2
ENSMUSG000000021747.12	518.1395394	0.492943954	0.000221832	0.000988895	RP23-466M3.1
ENSMUSG00000094622.2	535.0170075	0.500433134	0.000221826	0.000988895	RP24-258O12.2
ENSMUSG00000025782.12	1540.761529	0.312465722	0.000221887	0.000988988	Taf3
ENSMUSG00000037533.19	3838.949606	0.238982069	0.000221943	0.000989035	Rapgef6
ENSMUSG00000000915.15	4641.543937	-0.202591654	0.00022263	0.000991894	Hip1r
ENSMUSG00000022247.12	4650.033085	0.218346454	0.00022307	0.000993652	Brix1
ENSMUSG00000075419.4	734.2515058	0.446479027	0.00022448	0.000999724	Dolk
ENSMUSG00000020474.11	822.0586272	-0.402625617	0.000225178	0.001002627	Polm
ENSMUSG00000036093.7	2347.789854	-0.254445919	0.000226159	0.001006789	Arl5a
ENSMUSG00000030519.14	273.1799469	-0.674490441	0.00022649	0.001008056	Apba2
ENSMUSG00000025337.10	2387.310871	0.253824348	0.000226697	0.001008774	Sbds
ENSMUSG00000094929.1	272.5258044	-0.682130677	0.000226898	0.001009458	RP24-80K11.2
ENSMUSG00000040466.16	1229.445705	0.34940636	0.000227053	0.001009943	Blvrb
ENSMUSG00000015126.9	1443.46905	0.312067895	0.00022751	0.001011768	Tsr3
ENSMUSG00000041712.7	10690.73356	-0.164272755	0.00022767	0.001012272	Ubr7
ENSMUSG00000023034.7	492.8806803	-0.515268116	0.000227743	0.001012387	Nr4a1
ENSMUSG00000042873.11	982.6130691	-0.370003275	0.000228054	0.001013564	Lhfp14
ENSMUSG00000034729.16	2868.93368	0.235883076	0.000228236	0.001014165	Mrps10
ENSMUSG00000024487.4	2451.960373	0.250827264	0.000228968	0.001017209	Yipf5
ENSMUSG00000048482.14	131.2530775	-0.999115389	0.00022931	0.001018382	Bdnf
ENSMUSG00000091002.2	290.4603766	-0.650358442	0.000229326	0.001018382	Tcerg11
ENSMUSG00000028837.8	5125.476941	0.201240991	0.00023023	0.001022187	Psmb2
ENSMUSG00000071665.10	304.8443811	-0.652387457	0.000230921	0.001025046	Foxr2
ENSMUSG00000070106.1	92.12424966	-1.174120827	0.00023122	0.001026164	Mir363
ENSMUSG00000002812.4	3809.606612	-0.211811171	0.000231456	0.001027001	Flii
ENSMUSG00000056870.9	538.1328122	-0.488881433	0.000231928	0.001028885	Gulp1
ENSMUSG00000106133.1	948.9827114	0.375124275	0.000232405	0.00103079	RP23-451E8.2
ENSMUSG00000092074.2	10014.21966	-0.164145108	0.000233554	0.001035675	Dynl1a
ENSMUSG00000025742.5	10441.15298	-0.16447982	0.000233712	0.001036165	Prps2
ENSMUSG00000059003.12	251.8289649	-0.696296019	0.000233921	0.001036879	Grin2a
ENSMUSG00000031673.6	434.4586866	-0.536930637	0.000234768	0.001040209	Cdh11

ENSMUSG00000106755.1	3381.897999	-0.22396717	0.00023475	0.001040209	Tpi-rs11
ENSMUSG00000034612.7	1539.452502	-0.29960039	0.000234827	0.001040255	Chst11
ENSMUSG00000027820.12	1951.311477	-0.300962757	0.0002354	0.001042584	Mme
ENSMUSG00000021518.4	2023.489685	0.274460529	0.000236092	0.001045433	Ptdss1
ENSMUSG00000112375.1	20.65976691	2.777903412	0.000236193	0.001045667	RP23-402A24.3
ENSMUSG00000032038.7	442.983697	-0.526487708	0.000236682	0.001047407	St3gal4
ENSMUSG00000038503.15	5831.919842	0.20428307	0.000236659	0.001047407	Mesdc2
ENSMUSG00000018537.16	4082.125018	-0.206711024	0.000236998	0.001048588	Pcgf7
ENSMUSG00000014850.15	1949.694781	0.298586391	0.000237541	0.001050778	Msh3
ENSMUSG00000042104.18	859.5369311	-0.387872511	0.000237819	0.001051793	Uggt2
ENSMUSG00000037111.9	5245.444648	-0.19766442	0.000238298	0.001053698	Setd7
ENSMUSG00000025529.14	552.3416674	-0.47994503	0.000238657	0.001054853	Zfp711
ENSMUSG00000062859.14	136.7262555	-0.937538226	0.000238653	0.001054853	Tcp11
ENSMUSG00000040506.16	2619.172143	0.25140476	0.00023875	0.001055049	Ambra1
ENSMUSG00000053046.16	549.2494753	0.539451439	0.000239605	0.001058611	Brsk2
ENSMUSG00000093826.1	1401.692733	0.326465958	0.0002399	0.001059701	RP23-14E14.3
ENSMUSG000000105481.1	14.9246673	3.723157474	0.000240027	0.001060046	RP23-335E20.3
ENSMUSG00000022672.8	2817.508604	-0.256058305	0.000240293	0.001060787	Prkdc
ENSMUSG00000050244.9	7753.169032	0.176369601	0.000240292	0.001060787	Heatr1
ENSMUSG00000037600.16	154.9118484	-0.941272341	0.000240901	0.001063258	Kdf1
ENSMUSG00000036009.16	222.8775139	-0.750619409	0.000240969	0.001063339	Mettl25
ENSMUSG00000027465.13	1758.911472	0.284486163	0.000242734	0.001070914	Tbc1d20
ENSMUSG00000026764.15	4285.221484	-0.209311443	0.00024303	0.001071998	Kif5c
ENSMUSG00000034880.7	2568.171221	0.275050225	0.000243292	0.001072935	Mrpl34
ENSMUSG00000038855.10	954.3985772	-0.374192183	0.000243522	0.001073735	Itpkb
ENSMUSG00000026435.15	361.9559258	0.59771946	0.000244088	0.001076009	Slc45a3
ENSMUSG00000031145.15	187.2108339	-0.798552542	0.000244327	0.001076843	Prickle3
ENSMUSG00000027488.12	649.7143237	-0.443525515	0.000245153	0.001080266	Snta1
ENSMUSG00000022526.8	767.0255378	-0.405551707	0.000246184	0.001084587	Zfp251
ENSMUSG00000022848.8	1575.351697	0.298781422	0.000246253	0.001084671	Dirc2
ENSMUSG00000051652.4	657.8957533	0.457347023	0.000246829	0.001086991	Lrrc3
ENSMUSG00000070972.13	407.1334058	0.548919471	0.000247326	0.001088955	Dnajc25
ENSMUSG00000002341.8	2449.521876	-0.252787279	0.00024821	0.001092626	Ncan
ENSMUSG00000079480.3	1115.034942	0.354288555	0.00024832	0.001092668	Pin4
ENSMUSG00000080720.2	18.51416069	2.960236048	0.00024827	0.001092668	AC131919.2
ENSMUSG00000021418.15	1076.788179	0.358198052	0.000248624	0.001093786	Rpp40
ENSMUSG00000039244.10	1828.825282	0.282804222	0.000248737	0.001094061	AC123686.4
ENSMUSG00000048280.18	671.3035078	-0.451092299	0.000248893	0.001094525	Zfp738
ENSMUSG00000042380.8	1399.075105	0.31372368	0.000249134	0.001095361	Smim12
ENSMUSG00000019792.8	942.7269904	0.381625329	0.00024957	0.001097058	Trmt11
ENSMUSG00000040843.10	2211.506413	0.264415215	0.000249972	0.001098603	Tipr1
ENSMUSG00000027326.13	2763.32419	-0.279321107	0.00025031	0.001099863	Casc5
ENSMUSG00000039100.10	10838.78167	-0.161835687	0.000250372	0.001099915	06. Mrz
ENSMUSG00000003752.9	436.0689195	0.530841923	0.000251094	0.001102861	Itpkc
ENSMUSG00000042369.8	1897.107406	0.278461174	0.000251905	0.001106201	Rbm45
ENSMUSG00000031706.7	1643.970302	-0.30670213	0.000252727	0.001109585	Rfx1
ENSMUSG00000096169.3	13.39173835	4.605468832	0.000252819	0.001109766	Olf1564
ENSMUSG00000041225.16	2585.209598	-0.253322459	0.000253267	0.001111506	Arhgap12
ENSMUSG00000024538.7	837.2660021	0.405968225	0.000253574	0.00111263	Ppic
ENSMUSG00000055003.14	401.4815151	-0.563427422	0.00025456	0.001116731	Lrtm2
ENSMUSG00000056004.16	130.6190874	-0.954176643	0.000254641	0.001116857	AC157555.1
ENSMUSG00000055200.7	527.8551975	0.485507425	0.000254722	0.00111699	Sertad3
ENSMUSG00000039958.17	1262.176772	-0.326305572	0.00025526	0.001119122	Mettl20
ENSMUSG00000100680.1	128.2465482	0.984745978	0.000255653	0.001120618	RP23-190H11.5
ENSMUSG00000039738.16	1484.899277	0.316942892	0.000256377	0.001123565	Slx4
ENSMUSG00000046947.12	300.7937775	-0.640279429	0.000256647	0.001124522	Adck2
ENSMUSG00000017670.16	2794.974587	0.236949284	0.000256737	0.001124689	Elmo2
ENSMUSG00000085581.1	52.40355395	-1.650318906	0.000257216	0.001126559	RP23-97J2.2
ENSMUSG00000015668.13	949.5301707	0.389878977	0.000257441	0.001127319	Pdzd11
ENSMUSG00000058355.8	11959.65652	0.157779503	0.000257593	0.001127756	Abce1
ENSMUSG00000059586.10	1646.142275	0.321501538	0.000257844	0.001128628	Nsmce2
ENSMUSG00000063802.5	2143.823314	0.271942175	0.000258151	0.001129742	Hspbp1
ENSMUSG000000106391.1	54.91271899	1.5099928	0.000258319	0.001130249	RP23-325M7.4
ENSMUSG00000032652.13	549.29077	0.486373064	0.000258794	0.0011321	Crebl1
ENSMUSG00000036957.8	453.7014257	-0.530321766	0.000259446	0.001134721	Lrfr3
ENSMUSG00000037649.9	316.6292972	0.618754942	0.00025954	0.001134904	H2-DMa
ENSMUSG00000029512.11	2035.981347	-0.285717287	0.000260469	0.001138741	Ulk1
ENSMUSG00000040667.11	9040.665049	0.167785203	0.000260825	0.001140067	Nup88
ENSMUSG00000039116.6	466.3904639	-0.509198471	0.000261132	0.001141176	Adgrg6
ENSMUSG00000007589.9	3037.631278	0.231397174	0.000261564	0.001142836	Tinf2

ENSMUSG00000011752.6	41862.77123	-0.143507636	0.000261983	0.001144308	Pgam1
ENSMUSG00000044405.4	8.112693534	6.379487556	0.000262007	0.001144308	Adig
ENSMUSG00000037313.16	5962.83686	0.185290122	0.000262228	0.001145043	Tacc3
ENSMUSG00000001998.15	1187.566365	0.340026084	0.000262494	0.001145974	Ap4e1
ENSMUSG00000040938.16	247.2286516	-0.710657068	0.000262932	0.001147426	Slc16a11
ENSMUSG00000048562.7	140.962522	-0.97257732	0.000262887	0.001147426	Sp8
ENSMUSG00000039230.14	4177.161466	0.202832556	0.000263001	0.001147496	Tbcd
ENSMUSG00000038587.9	26284.46911	-0.134839111	0.000263062	0.001147532	Akap12
ENSMUSG00000096433.1	456.0361422	0.524974987	0.000263116	0.001147539	Zfp994
ENSMUSG00000041423.16	74.62543251	-1.286965149	0.000263703	0.001149865	Paqr6
ENSMUSG00000073018.5	8.006409532	6.362644998	0.000264532	0.001153249	AC115777.3
ENSMUSG00000022801.13	796.6523528	-0.409088455	0.000264684	0.001153679	Lrch3
ENSMUSG00000031176.8	865.3057368	0.384903136	0.000265421	0.00115666	Dynlt3
ENSMUSG00000059422.5	1773.793347	-0.281942229	0.000266272	0.001160137	RP24-70H20.2
ENSMUSG00000067203.7	508.9844783	0.494548887	0.0002671	0.001163511	H2-K2
ENSMUSG00000039929.14	3323.191797	0.222017245	0.000268665	0.001170093	Urb1
ENSMUSG00000097574.1	30.22804189	2.157018599	0.000269443	0.001173244	RP23-99D11.4
ENSMUSG00000040818.10	3193.948156	0.232933929	0.00026956	0.001173518	Dennd6a
ENSMUSG000000101892.1	755.4673984	0.443331164	0.00026965	0.001173676	RP23-418M3.5
ENSMUSG00000000579.14	13559.32202	-0.153156234	0.000270265	0.001176115	Dynlt1c
ENSMUSG00000028896.13	5137.383501	0.189508871	0.000270971	0.001178953	Rcc1
ENSMUSG00000024037.12	3042.694326	0.228026906	0.00027105	0.001179057	Wdr4
ENSMUSG00000096926.1	46.49782149	-1.703598906	0.000271447	0.001180549	Gm26823
ENSMUSG00000031467.10	4431.983078	0.204296908	0.000272111	0.0011832	Agpat5
ENSMUSG00000046613.19	227.903629	-0.753857338	0.000272318	0.001183863	Vwa5b2
ENSMUSG00000049097.9	200.4861175	-0.800355364	0.000272434	0.001184131	Ankrd34a
ENSMUSG00000020023.18	569.4779322	-0.469206713	0.000273207	0.001187251	Tmcc3
ENSMUSG00000053774.9	6411.022417	-0.194658453	0.000273572	0.001188602	Ubxn7
ENSMUSG00000086126.1	44.02756101	-1.702366344	0.000274408	0.001191994	Evx1os
ENSMUSG00000038069.6	1081.44005	0.349173087	0.000274527	0.001192271	Cdkn2aip
ENSMUSG00000050697.9	2224.83512	0.272957629	0.000274665	0.001192635	Prkaa1
ENSMUSG00000044645.7	2632.073825	-0.250718325	0.000274981	0.001193766	Gm7334
ENSMUSG000000022110.13	1480.7935	0.30201339	0.000276257	0.001199064	Sucla2
ENSMUSG00000052125.16	233.7189713	-0.722468941	0.000276669	0.001200612	RP24-112H7.1
ENSMUSG00000097113.7	207.950696	0.754325638	0.000277646	0.001204615	RP23-302C16.2
ENSMUSG00000033083.16	332.9638551	-0.60023123	0.000278236	0.00120693	Tbc1d4
ENSMUSG00000021361.7	3319.527407	0.222162671	0.000281267	0.001219834	Tmem14c
ENSMUSG00000037126.16	141.7063328	0.913565194	0.000281635	0.001221189	Psd
ENSMUSG00000029026.16	296.7768389	-0.632140703	0.000281974	0.001222411	Trp73
ENSMUSG000000112160.1	427.1761092	0.560955281	0.000282259	0.001223402	RP24-406I15.3
ENSMUSG000000105206.1	852.4516644	0.389026706	0.000282657	0.001224883	RP23-158A20.2
ENSMUSG00000038668.14	279.8030088	-0.67170662	0.000283737	0.001229318	Lpar1
ENSMUSG00000019178.17	15.75418684	3.45709437	0.000283868	0.00122964	Styx11
ENSMUSG00000036879.15	1789.437018	0.301596965	0.000286296	0.001239911	Phkb
ENSMUSG00000031432.3	15407.70595	0.145356101	0.000287051	0.001242932	Prps1
ENSMUSG00000027091.14	8183.773653	0.174288687	0.000287124	0.001242999	Zc3h15
ENSMUSG000000060733.13	2739.57096	-0.239478873	0.000287206	0.001243109	Ipmk
ENSMUSG00000019494.14	6739.731656	0.175779732	0.000288489	0.001248411	Cops6
ENSMUSG00000067148.15	5417.979036	-0.197416378	0.000288649	0.001248858	Polr1c
ENSMUSG00000022052.9	5989.377858	0.180925626	0.000289489	0.001252239	Ppp2r2a
ENSMUSG00000068547.6	213.2114046	-0.742051048	0.00029079	0.001257618	C1ca4a
ENSMUSG00000026277.14	2860.952557	-0.229202395	0.000291451	0.001260223	Stk25
ENSMUSG00000078773.11	1315.190682	-0.32415902	0.000291657	0.001260864	Rad54b
ENSMUSG00000054792.15	488.9932091	0.514075404	0.000292254	0.001263193	Klhl18
ENSMUSG00000009647.13	702.684219	0.440997787	0.000292317	0.001263216	Mcu
ENSMUSG00000037366.14	1268.687147	0.333518877	0.000293436	0.001267799	Pafah2
ENSMUSG00000022456.16	2718.218123	0.236158613	0.000293702	0.001268442	03. Sep
ENSMUSG00000083220.1	1582.59225	0.29277332	0.0002937	0.001268442	RP23-144K18.4
ENSMUSG00000066224.13	252.0519013	-0.693765698	0.000293865	0.001268894	Arid3c
ENSMUSG00000028729.15	7848.351744	0.170415494	0.00029413	0.001269786	Ebna1bp2
ENSMUSG000000115961.1	23.49838129	2.559512245	0.000294432	0.001270834	RP24-334F11.4
ENSMUSG00000019782.10	2675.798252	0.240828154	0.000294814	0.00127223	Rwdd1
ENSMUSG00000041747.3	3745.64012	0.226229272	0.000295246	0.001273843	Utp15
ENSMUSG00000014873.15	1906.210471	0.27658245	0.000295764	0.001275735	Surf2
ENSMUSG00000042821.7	66.70676872	1.354975955	0.000295802	0.001275735	Snai1
ENSMUSG00000042903.8	2702.75491	-0.234811556	0.000295959	0.001276158	Foxo4
ENSMUSG00000035187.10	52.09405335	1.555269582	0.000296619	0.001278748	Nkx6-1
ENSMUSG00000079008.2	690.5084082	0.442377813	0.000296738	0.001279007	RP23-91K11.4
ENSMUSG00000024346.5	3227.04101	0.226965252	0.000297049	0.001280093	Pfdn1
ENSMUSG00000055725.11	617.2479288	0.45534602	0.000298526	0.001285947	Paqr3

ENSMUSG00000082481.1	1093.469203	0.375014931	0.000298487	0.001285947	Rps12-ps19
ENSMUSG00000105681.1	44.07335897	-1.738587579	0.000298649	0.001286225	RP24-349N15.5
ENSMUSG00000116589.1	14.97407942	5.804376399	0.000299542	0.001289816	RP23-115D20.4
ENSMUSG00000038116.16	5386.491128	0.207364123	0.000299924	0.001291203	Phf20
ENSMUSG00000058317.12	821.392923	-0.387163376	0.000300335	0.001292715	Ube2e2
ENSMUSG00000022244.7	501.3831603	0.492363859	0.000300086	0.001294717	Amacr
ENSMUSG00000043411.15	13269.05132	0.150386227	0.000301117	0.001295566	Usp48
ENSMUSG00000028456.18	1855.584452	-0.276892072	0.000301245	0.001295862	Unc13b
ENSMUSG00000058756.13	672.3345601	-0.451172704	0.000301368	0.001296133	Thra
ENSMUSG00000044628.4	197.6971674	-0.769448755	0.000301518	0.001296523	Rnf208
ENSMUSG00000032440.13	340.6419796	-0.58938888	0.000302028	0.001298456	Tgfb2
ENSMUSG00000036501.6	1138.738725	0.341029692	0.000303957	0.001306491	Fam13b
ENSMUSG00000021994.15	287.4758642	-0.653492424	0.00030458	0.001308908	Wnt5a
ENSMUSG00000022054.11	1167.046977	-0.345607452	0.000305834	0.001314037	Nefm
ENSMUSG00000110386.1	104.3837356	1.062558475	0.000306136	0.001315075	RP23-359B23.11
ENSMUSG00000030256.11	552.4932153	-0.513685764	0.00030693	0.001318225	Bhlhe41
ENSMUSG00000040734.14	1081.039967	0.370158337	0.000307287	0.001319496	Ppp1r13l
ENSMUSG00000024248.13	5682.744945	0.213697412	0.000307904	0.001321888	Cox7a2l
ENSMUSG00000023015.14	7687.357592	0.169577518	0.000308889	0.001325591	Racgap1
ENSMUSG00000038292.14	86.04598163	1.174185236	0.000308857	0.001325591	Ccdc155
ENSMUSG00000019359.14	83.45356356	-1.194685314	0.000309931	0.001329714	Gdpd2
ENSMUSG00000051853.10	5579.83261	0.182639998	0.000309973	0.001329714	Arf3
ENSMUSG00000019256.17	508.0347698	-0.502551326	0.000310276	0.001330753	Ahr
ENSMUSG00000027624.19	688.3291993	-0.45575293	0.000310396	0.001331004	Epb41l1
ENSMUSG00000095195.7	228.4189055	-0.720699932	0.000311159	0.001334014	RP24-547N23.4
ENSMUSG00000041629.7	2702.299818	0.235290825	0.000311654	0.001335871	Fam104a
ENSMUSG00000058126.7	8463.312467	0.163848632	0.000313845	0.001344997	Tpm3-rs7
ENSMUSG00000035517.17	1296.933209	-0.324531053	0.000314383	0.001347039	Tdrd7
ENSMUSG00000060798.7	1244.891115	-0.325658567	0.000315513	0.001351613	Intu
ENSMUSG00000069713.2	21.9317147	2.570550946	0.00031603	0.001353557	RP23-158C15.8
ENSMUSG00000006373.10	5926.017852	0.202021792	0.000316367	0.001354737	Pgrmc1
ENSMUSG00000049305.6	1720.505421	0.280541803	0.000316684	0.001355823	Ccdc71
ENSMUSG00000003344.14	4405.396438	0.197320333	0.000317554	0.001359282	Btbd2
ENSMUSG00000039697.16	363.0731781	-0.574181232	0.000317921	0.001360586	Ncoa7
ENSMUSG00000028698.13	390.1730783	0.554204712	0.000318106	0.001361107	Pik3r3
ENSMUSG00000028070.7	985.5003817	-0.357435842	0.000318424	0.001362199	Apoa1bp
ENSMUSG00000021218.10	20284.82443	0.141114971	0.000318571	0.00136256	Gdi2
ENSMUSG00000023809.10	5761.900167	0.187708848	0.000319114	0.001364344	Rps6ka2
ENSMUSG00000033020.7	3224.435741	0.239808903	0.000319061	0.001364344	Polr2f
ENSMUSG00000000317.11	332.3660241	-0.593850153	0.000320251	0.001368938	Bcl6b
ENSMUSG00000039801.7	2214.381107	-0.256472992	0.000320884	0.001371373	AC158971.1
ENSMUSG00000037339.17	1723.868371	-0.284605244	0.000321416	0.001373105	Fam53a
ENSMUSG00000042978.10	3085.08304	-0.228482405	0.000321354	0.001373105	Sbk1
ENSMUSG00000026718.17	2352.445064	-0.247923579	0.000321622	0.001373715	Stam
ENSMUSG00000030435.16	14205.60884	-0.14897851	0.000321755	0.001374013	U2af2
ENSMUSG00000057969.15	310.9207912	-0.610118189	0.000322091	0.001375176	Sema3b
ENSMUSG00000022718.12	2509.989734	-0.255997191	0.000322943	0.001378543	Dgcr8
ENSMUSG00000048279.19	2183.922935	0.308511903	0.000324804	0.001386212	Sacs
ENSMUSG00000084128.10	126.688517	-0.954829442	0.000324921	0.001386441	Esrp2
ENSMUSG00000027828.12	15256.17707	-0.142293687	0.000325536	0.001388791	Ssr3
ENSMUSG00000028367.5	11570.16649	0.174702385	0.00032629	0.001391734	Txn1
ENSMUSG00000031242.7	698.6206739	-0.427694094	0.000326571	0.001392659	RP23-284F8.1
ENSMUSG00000057531.14	1605.627288	0.294347453	0.000326993	0.001394186	Dtnbp1
ENSMUSG00000010048.10	4207.26462	0.198697741	0.000327346	0.001395101	lfrd2
ENSMUSG00000019987.9	36.87468229	1.872511308	0.000327401	0.001395101	Arg1
ENSMUSG00000078554.2	7.793841527	6.328380559	0.000327351	0.001395101	Fam229a
ENSMUSG00000040725.13	10392.06971	-0.154857163	0.000329936	0.001405627	Hnrnpul1
ENSMUSG00000020057.2	89.03800531	-1.140880425	0.000330855	0.001409267	Dram1
ENSMUSG00000029581.14	13775.53614	0.147885032	0.000332026	0.001413979	Fscn1
ENSMUSG00000031438.11	2420.969936	-0.273042677	0.000332398	0.001415283	Rnf128
ENSMUSG00000024544.8	53.09496153	-1.521794383	0.000333421	0.00141936	Ldlrad4
ENSMUSG00000015452.14	51.57038502	1.542764278	0.000334035	0.001421694	Ager
ENSMUSG00000032741.9	3354.687231	0.217317069	0.000337332	0.001435449	Tpcn1
ENSMUSG00000081251.1	113.8095659	1.122856427	0.000337514	0.001435942	RP23-298M7.2
ENSMUSG00000032014.6	219.1846196	-0.737393714	0.000337664	0.001436297	Oaf
ENSMUSG00000068856.3	4553.407414	0.192783484	0.00033775	0.001436382	Sf3b4
ENSMUSG000000113611.1	1330.981311	0.342155426	0.000338101	0.001437594	RP24-65E6.4
ENSMUSG00000037211.12	894.8844998	-0.401237786	0.000338602	0.001439438	Spry1
ENSMUSG00000030612.6	1459.061675	0.300154785	0.000340349	0.001446584	Mrpl46
ENSMUSG00000030739.18	1149.656563	0.344460215	0.000341169	0.001449784	Myh14

ENSMUSG00000035829.13	419.8864112	-0.529250808	0.000341372	0.001450363	Ppp1r26
ENSMUSG00000028655.11	633.7042897	-0.438498896	0.000345391	0.001467152	Mfsd2a
ENSMUSG00000003934.5	420.4273248	-0.534462415	0.000349785	0.001485524	Efnb3
ENSMUSG00000034645.14	197.4783726	-0.787536026	0.000350237	0.001487156	Zyg11a
ENSMUSG00000036053.17	5453.338141	-0.187759301	0.00035079	0.00148921	Fmn12
ENSMUSG00000000948.16	12849.40351	-0.814116598	0.000351196	0.001490643	RP24-177J9.4
ENSMUSG00000024240.13	1053.299081	0.342254866	0.000351647	0.001492264	Epc1
ENSMUSG00000035382.9	1092.781716	0.343971571	0.000351728	0.001492315	Pcsk7
ENSMUSG00000039047.17	1794.227312	0.280011031	0.000352706	0.001496175	Pigk
ENSMUSG00000028943.18	443.2281721	-0.597817956	0.000353023	0.001496934	Espn
ENSMUSG00000056708.5	767.1456155	0.417339764	0.000352975	0.001496934	Ier5
ENSMUSG00000066838.7	321.4853028	0.60012731	0.000353406	0.001498266	Zfp772
ENSMUSG00000063684.9	619.4915016	0.465773036	0.000353761	0.001499475	RP23-405K7.2
ENSMUSG00000006585.3	4631.719153	-0.205057007	0.000354118	0.001500696	Cdt1
ENSMUSG00000055602.16	18.21171432	2.939449783	0.000355205	0.001505009	Tcp10b
ENSMUSG00000029201.14	3252.230813	-0.227494429	0.000356257	0.001508933	Ugdh
ENSMUSG00000030201.15	13203.31358	-0.156255899	0.00035627	0.001508933	Lrp6
ENSMUSG00000035726.8	15712.95998	0.158774372	0.000357321	0.001513088	Supt16
ENSMUSG00000028854.9	2779.072108	-0.233379306	0.000359121	0.001520413	Slc9a1
ENSMUSG00000020128.15	4238.95018	-0.200928858	0.000359707	0.00152226	Vps54
ENSMUSG00000033039.10	417.3305466	-0.527785468	0.000360354	0.001525041	Micall1
ENSMUSG00000019738.15	1088.015901	0.352628174	0.000361249	0.001528528	Polr2i
ENSMUSG00000024524.16	364.8492815	0.563641585	0.000361798	0.001530553	Gnal
ENSMUSG00000024451.8	848.8520862	-0.381139576	0.000361949	0.001530895	Arap3
ENSMUSG00000093594.1	358.8367548	-0.564196063	0.000362131	0.001531366	RP23-406N5.8
ENSMUSG00000023020.2	1363.824494	0.307166007	0.000362355	0.001532013	Cox14
ENSMUSG00000046240.8	27.64169778	2.170785602	0.000363139	0.001535029	Hepacam
ENSMUSG00000084904.1	76.34422653	1.343287565	0.000363311	0.001535457	RP23-272D10.4
ENSMUSG00000079067.5	1867.251745	0.268874302	0.000364396	0.001539444	Hmgn2-ps1
ENSMUSG00000097837.1	140.865151	-0.90598782	0.000364352	0.001539444	Gm26794
ENSMUSG00000023800.15	223.3546944	-0.715937379	0.000366945	0.001549909	Tiam2
ENSMUSG00000056145.5	421.5766055	-0.524244696	0.000367532	0.001552086	RP23-469H5.1
ENSMUSG00000029072.3	39.38571658	1.80545244	0.000368216	0.001554674	Tas1r3
ENSMUSG00000038991.17	12995.33942	0.149716462	0.000368471	0.001555448	Txndc5
ENSMUSG00000026817.14	245.1801364	-0.679891388	0.000368552	0.001555486	Ak1
ENSMUSG00000063281.9	1082.096783	0.350648703	0.000371633	0.001568184	Zfp35
ENSMUSG00000014077.13	3010.060725	0.241506997	0.00037201	0.00156947	Chp1
ENSMUSG00000073423.9	491.3221643	-0.501604665	0.000372239	0.001570133	Zfp414
ENSMUSG00000032235.15	1532.257592	-0.293726654	0.000373154	0.001573686	Ice2
ENSMUSG00000038843.17	1049.318566	-0.352126911	0.000373644	0.001575446	Gcnt1
ENSMUSG00000052566.8	1148.037062	0.333127638	0.000373778	0.001575705	Hook2
ENSMUSG00000046372.4	95.74283828	1.107487796	0.000373985	0.00157627	RP23-9C7.1
ENSMUSG00000101054.1	106.5283152	-1.032935539	0.000375307	0.001581536	RP23-289H3.1
ENSMUSG00000020251.13	39.59830177	1.772207941	0.000375699	0.001582883	Glt8d2
ENSMUSG00000101236.1	1856.145812	0.270784715	0.000378171	0.001592987	RP23-429J21.2
ENSMUSG00000095677.2	12949.39392	-0.150491201	0.00037922	0.001597094	Dynl1f
ENSMUSG00000048330.14	845.3816368	0.38260893	0.000383281	0.001613884	Ric3
ENSMUSG00000030655.15	9623.493814	-0.201511805	0.000384211	0.001617175	Smg1
ENSMUSG00000091994.2	241.5404497	-0.713431655	0.000384168	0.001617175	RP23-13B8.9
ENSMUSG00000085628.4	27.74974474	2.260433914	0.000384297	0.001617224	Appbp2os
ENSMUSG00000093989.1	48.40428034	1.573102325	0.000384571	0.00161806	Rnasek
ENSMUSG00000017210.14	6683.723198	-0.173341294	0.000385055	0.001619785	Med24
ENSMUSG00000039686.14	1309.567193	-0.312075217	0.000386012	0.001623496	Zer1
ENSMUSG00000024039.14	944.8027839	-0.363651516	0.000386244	0.001624156	Cbs
ENSMUSG00000021982.14	756.511834	0.402779242	0.000386647	0.001624908	Cdad1
ENSMUSG00000028289.12	1027.437318	-0.343385384	0.000386632	0.001624908	Epha7
ENSMUSG00000046727.12	446.4144517	0.512336895	0.000386613	0.001624908	Cystm1
ENSMUSG00000023048.13	438.9839265	-0.523614964	0.000387702	0.001629026	Prr13
ENSMUSG00000036473.15	956.0298606	0.363284027	0.000388905	0.001633761	Tbc1d24
ENSMUSG00000051671.7	712.6276387	0.410228722	0.000389078	0.001634172	Coa6
ENSMUSG00000026774.11	14.02694825	5.705870045	0.000389188	0.001634319	RP23-54E16.2
ENSMUSG00000023266.11	245.083396	0.735587256	0.000389344	0.001634656	Frs3
ENSMUSG00000078817.4	222.0638	-0.726770766	0.000389681	0.001635758	Nlrp12
ENSMUSG00000038807.18	560.569419	-0.465756912	0.000390497	0.001638864	Rap1gap2
ENSMUSG00000018599.5	795.6839051	0.388181945	0.000392104	0.001645289	Mief2
ENSMUSG00000042010.16	892.5706175	0.367665153	0.000394263	0.001654028	Acacb
ENSMUSG00000065952.13	297.5623976	-0.614855174	0.000395868	0.001660444	AC170806.6
ENSMUSG00000024206.14	182.5656617	0.838773321	0.000396738	0.001663449	Rfx2
ENSMUSG00000092035.8	20690.23806	-0.160782314	0.000396734	0.001663449	Peg10
ENSMUSG00000097445.1	48.37321638	1.579460568	0.000396918	0.001663882	RP24-243A3.6

ENSMUSG0000002007.5	7.429160263	6.257138906	0.000397914	0.001667736	Srpk3
ENSMUSG00000014769.10	8376.004	0.165800374	0.000398221	0.001668697	Psemb1
ENSMUSG00000027131.3	2450.967618	0.250048769	0.000399249	0.001672685	Emc4
ENSMUSG00000043496.7	113.1245602	-0.994811709	0.00040034	0.00167662	Tril
ENSMUSG00000109509.1	1555.647585	0.290602184	0.000400343	0.00167662	RP24-471H15.4
ENSMUSG00000035615.12	104.1020469	-1.038297116	0.000401221	0.001679971	Frmpd1
ENSMUSG00000022887.9	211.0306069	-0.736976102	0.000401323	0.001680076	Masp1
ENSMUSG00000031486.15	110.7871969	-1.04238231	0.000403011	0.001686817	Adgra2
ENSMUSG00000029005.4	121.5914461	-0.966799991	0.00040311	0.001686908	Draxin
ENSMUSG000000256608.13	4295.972603	-0.198813522	0.000403796	0.001689452	Kctd3
ENSMUSG00000035864.14	318.4932934	-0.629679244	0.000404785	0.001693263	Syt1
ENSMUSG00000063239.17	283.9715457	-0.628622114	0.000405607	0.001696374	Grm4
ENSMUSG00000051116.6	384.707709	0.561949038	0.000406566	0.001700058	AC119899.1
ENSMUSG00000024735.13	7630.121084	0.16407437	0.000406674	0.001700179	Prpf19
ENSMUSG00000020287.15	738.681277	0.399755554	0.000406916	0.001700867	Mpg
ENSMUSG00000009394.13	152.9949897	0.90750438	0.000408462	0.001701707	Syn2
ENSMUSG00000035824.7	782.3070594	0.390909458	0.000409497	0.001710993	Tk2
ENSMUSG00000102602.1	504.7798255	-0.499925377	0.000411817	0.001720357	RP23-13A13.6
ENSMUSG00000026672.11	1915.768045	0.263449255	0.000412784	0.001724063	Optn
ENSMUSG00000026921.18	983.846426	0.362524888	0.000413527	0.001726834	Egfl7
ENSMUSG00000081402.4	425.0940231	-0.5324546	0.000414827	0.001731933	AC163668.5
ENSMUSG00000096718.2	536.3898606	0.48986618	0.000415814	0.001735718	Zfp781
ENSMUSG00000030606.8	67.85395722	-1.298382363	0.000416148	0.001736444	Hapln3
ENSMUSG00000109115.1	117.6676199	-1.013932027	0.000416068	0.001736444	RP24-78M9.2
ENSMUSG00000025195.9	1392.939532	-0.301452007	0.0004173	0.001740915	Dnmbp
ENSMUSG00000096472.2	632.8651161	0.469533984	0.000417493	0.001741386	Cdkn2d
ENSMUSG00000063586.1	1433.209951	0.299036123	0.00041869	0.001746044	Gm5513
ENSMUSG00000025575.14	3857.916199	0.200355605	0.000422448	0.001761376	Cant1
ENSMUSG00000027505.2	13.11600909	3.951891498	0.000423291	0.001764554	Fam209
ENSMUSG00000030339.7	593.3291096	-0.444087192	0.000424151	0.001767781	Ltbr
ENSMUSG00000045521.7	15.10349767	3.382990016	0.000424228	0.001767781	Tssk2
ENSMUSG00000033542.13	145.2373372	-0.890425664	0.000424412	0.001768207	Arhgef5
ENSMUSG00000073102.7	20.53095028	2.605277559	0.000425867	0.001773929	Drc1
ENSMUSG00000097537.2	171.5798374	0.875263908	0.00042692	0.001777972	RP23-230D17.7
ENSMUSG00000027715.9	5920.092046	-0.175676608	0.000427178	0.001778707	Ccna2
ENSMUSG00000037544.14	5201.375128	0.182682137	0.000428981	0.001785872	Dlgap5
ENSMUSG00000029135.10	430.0723925	-0.572074241	0.000430531	0.001791982	Fosl2
ENSMUSG00000003234.16	2097.3041	0.253574576	0.000430913	0.001793227	Abcf3
ENSMUSG00000033487.14	1347.962993	-0.339280403	0.000431062	0.001793504	Fndc3a
ENSMUSG00000031885.14	2023.654422	-0.26100703	0.000431348	0.001794349	Cbfb
ENSMUSG00000027499.12	554.8770029	-0.464382901	0.000432179	0.00179746	Pkia
ENSMUSG00000057113.13	159826.3181	0.120068095	0.000432581	0.001798789	Npm1
ENSMUSG00000026111.15	1902.308691	0.269830699	0.000432886	0.00179971	Unc50
ENSMUSG00000084792.1	23.97094714	2.332420565	0.000435534	0.001810372	RP24-83P13.2
ENSMUSG00000096006.1	4855.175624	-0.198441391	0.000436058	0.001812203	Gm21596
ENSMUSG00000043556.10	129.6114446	-0.99895174	0.000436779	0.001814852	Fbxl7
ENSMUSG00000006717.7	991.409825	0.36252839	0.00043758	0.001817833	Acot13
ENSMUSG00000053441.4	292.9828127	-0.62625198	0.000440572	0.001829913	Adamts19
ENSMUSG00000036918.15	1200.635821	0.319478991	0.000442219	0.001836401	Ttc7
ENSMUSG00000031109.16	808.0229459	0.383531807	0.000442379	0.001836714	Enox2
ENSMUSG00000034083.16	1234.360268	0.324077641	0.000442581	0.001837202	Ccdc174
ENSMUSG00000020444.19	3276.510324	0.216720319	0.000444113	0.001842855	Guk1
ENSMUSG00000043079.17	34.54903424	-1.869653907	0.000444063	0.001842855	Synpo
ENSMUSG00000094132.7	184.6289734	-0.801667781	0.000444545	0.001844296	RP24-19211.1
ENSMUSG00000027678.17	3256.704185	0.224472535	0.000445634	0.00184846	Ncoa3
ENSMUSG00000019471.10	11034.3277	0.156141533	0.000446208	0.00185049	Cdc37
ENSMUSG00000061482.7	63.50347307	1.340471608	0.000448109	0.001858019	Hist1h4d
ENSMUSG00000061882.12	194.1217778	0.761164337	0.000449221	0.001862273	Ccdc62
ENSMUSG00000073012.2	418.1066319	-0.516673735	0.000451284	0.001870468	Fnd3c2
ENSMUSG00000054942.13	4922.128902	-0.198863632	0.000453061	0.001877472	Fam73a
ENSMUSG00000036104.12	2535.955293	0.233764064	0.000453189	0.001877645	Rab3gap1
ENSMUSG00000066839.12	1239.340544	0.313919122	0.000453807	0.001879846	Ecsit
ENSMUSG00000021127.7	962.6603374	-0.360822652	0.000453912	0.001879923	Zfp361
ENSMUSG00000058267.13	1545.48385	0.297899569	0.000454505	0.00188202	Mrps14
ENSMUSG00000026640.12	636.6607139	-0.448138926	0.000456868	0.001891445	Plxna2
ENSMUSG00000036330.12	194.2419149	0.77308482	0.000460258	0.001905116	Slc18a1
ENSMUSG00000034883.9	516.0001102	0.490248115	0.000460391	0.001905302	Lrr1
ENSMUSG00000048249.14	1626.742591	-0.290769829	0.000460858	0.00190687	Crebrf
ENSMUSG00000027852.14	5805.451527	-0.182987164	0.000461296	0.00190832	Nras
ENSMUSG00000025245.14	559.3498809	-0.482056594	0.00046144	0.001908551	Lztlf1

ENSMUSG00000027584.16	154.780114	-0.844326323	0.000462479	0.001912483	Opr1
ENSMUSG00000062352.14	614.564415	0.459587944	0.000463695	0.001917149	Itgb1bp1
ENSMUSG00000047446.18	1139.847443	-0.328298057	0.000464285	0.001919221	Arl4a
ENSMUSG00000114689.1	19.61155237	2.693072939	0.000464627	0.001920271	RP23-293B11.8
ENSMUSG00000032002.10	2995.529738	0.220558483	0.000465007	0.001921429	Dcun1d5
ENSMUSG00000037370.13	184.4442525	-0.773533775	0.000465085	0.001921429	Enpp1
ENSMUSG00000015461.15	4463.282527	0.194000904	0.000466533	0.001927047	Atf6b
ENSMUSG00000115219.2	418.8793943	0.570649865	0.000467437	0.001930412	Eef1akmt4
ENSMUSG00000048573.9	16.68047573	3.00230975	0.000468961	0.001936336	Cypt3
ENSMUSG00000021737.4	6397.584311	0.176298997	0.000469919	0.001939925	Psm6
ENSMUSG00000028121.8	910.9185693	-0.357266114	0.000470167	0.001940581	Bcar3
ENSMUSG00000068749.9	7196.011528	0.190606734	0.000470462	0.001941429	Psma5
ENSMUSG00000106831.1	2769.453047	0.228857011	0.000471416	0.001944995	Ube2n-ps1
ENSMUSG00000097080.7	63.65826001	1.382420966	0.000471619	0.001945462	1700086O06Rik
ENSMUSG00000025862.14	6539.153253	-0.187632514	0.000471711	0.00194547	Stag2
ENSMUSG00000018395.19	2512.08393	0.24087033	0.000471864	0.001945732	Kif3a
ENSMUSG00000027452.11	395.9889925	-0.544346878	0.000472014	0.001945982	Acss1
ENSMUSG00000030766.15	1688.546282	0.279712422	0.000473112	0.001950138	Arhgap17
ENSMUSG00000081888.1	261.1167679	0.648122474	0.000473886	0.001952958	Spcs2-ps
ENSMUSG00000038344.14	5664.991267	-0.194209761	0.000474134	0.001953608	Txlng
ENSMUSG00000097835.1	56.50086231	1.426724794	0.000474351	0.001954133	Gm26910
ENSMUSG00000044221.14	5351.533767	-0.190493542	0.000476173	0.001961264	Grsf1
ENSMUSG00000063714.15	85.57101144	1.25746398	0.000477021	0.001964385	Sp3os
ENSMUSG00000039515.11	5145.56438	0.200803717	0.000477341	0.001965329	Ppp2r4
ENSMUSG00000002227.15	841.3921392	-0.371389145	0.000477627	0.001966136	Mov10
ENSMUSG00000024642.16	2314.688654	-0.240035081	0.000477959	0.001967128	Tle4
ENSMUSG00000021916.16	1194.994088	0.333192584	0.000478145	0.001967522	Glt8d1
ENSMUSG00000031295.13	2342.090967	0.248025848	0.000478778	0.00196975	Phka2
ENSMUSG00000055670.14	2102.08668	0.270075413	0.000479439	0.001972097	Zzef1
ENSMUSG00000059923.13	5262.784679	0.179639051	0.000480804	0.001977335	Grb2
ENSMUSG00000056133.5	45.76871111	-1.594976888	0.000485291	0.00199541	RP24-147H15.5
ENSMUSG00000032988.4	43.5920889	1.639603717	0.000485426	0.001995589	Slc16a8
ENSMUSG00000032536.11	1480.220041	-0.295484011	0.000485647	0.001996119	Trak1
ENSMUSG00000022016.16	2598.245286	-0.239137864	0.000486071	0.001997484	Akap11
ENSMUSG00000074269.10	33.40535158	2.03647869	0.000486248	0.001997834	Rec114
ENSMUSG00000030222.13	427.1335818	-0.508609806	0.000486643	0.001999079	Rerg
ENSMUSG00000005836.9	96.32452782	-1.11579174	0.000487691	0.002003005	Gata6
ENSMUSG00000042505.6	375.3979638	0.550470955	0.000488067	0.002003791	Sdhaf3
ENSMUSG00000111933.1	29.51157474	2.026409025	0.000488013	0.002003791	RP23-179D3.2
ENSMUSG00000086894.2	65.66801188	1.317382215	0.000488417	0.002004849	AC139636.2
ENSMUSG00000038002.8	2748.893535	0.224084051	0.000488948	0.002006649	Cramp1l
ENSMUSG00000097377.1	24.70634688	2.376103349	0.000489172	0.002007188	Gm10822
ENSMUSG00000032435.9	6519.827875	0.17580627	0.000489811	0.002009427	Dync1li1
ENSMUSG00000039206.13	785.2133795	0.432626052	0.000490111	0.002010278	Daglb
ENSMUSG00000041654.15	640.0549581	0.421925818	0.000491169	0.00201424	Slc39a11
ENSMUSG00000022540.16	729.8369699	0.415110868	0.000491997	0.002016548	Rogdi
ENSMUSG00000022560.9	1967.40381	0.263479687	0.000491896	0.002016548	Slc52a2
ENSMUSG00000035064.17	896.8108488	-0.361051783	0.000492011	0.002016548	Eef2k
ENSMUSG00000046822.12	350.7164219	0.576543487	0.000492483	0.002017722	Slc39a3
ENSMUSG00000113188.1	392.4732847	0.555461364	0.000492448	0.002017722	RP24-85L11.3
ENSMUSG00000031642.9	944.3831373	-0.351143229	0.000495165	0.002028328	Sh3rf1
ENSMUSG00000038764.14	1164.110473	-0.327691871	0.000496051	0.002031573	Ptpn3
ENSMUSG00000083679.1	1135.172185	0.343142843	0.000496717	0.002033916	RP23-346N8.2
ENSMUSG00000018750.14	251.0194323	-0.677170877	0.000497071	0.002034981	Zbtb4
ENSMUSG00000020870.7	826.8553651	0.37671813	0.00049723	0.002035248	Cdc34b
ENSMUSG00000029047.13	885.7960712	0.362696579	0.000497897	0.002037595	Pex10
ENSMUSG00000028212.16	759.4750555	-0.411764956	0.000498144	0.002038222	Ccne2
ENSMUSG00000056770.15	4220.200959	0.195526449	0.000498851	0.00204073	Setd3
ENSMUSG00000081441.3	1006.493364	-0.360115411	0.000500596	0.002047483	AC103620.1
ENSMUSG00000022216.17	2091.589807	-0.253582831	0.000501442	0.002050554	Psme1
ENSMUSG00000022335.17	529.7330207	-0.456886842	0.000501949	0.002052011	Zfat
ENSMUSG00000046999.2	121.1179695	-0.958056663	0.000501987	0.002052011	RP24-399B3.5
ENSMUSG00000022537.18	181.1036643	-0.796691949	0.000503516	0.002057874	Tmem44
ENSMUSG00000113973.1	12.65117082	4.513669144	0.000503768	0.002058516	RP23-149C6.6
ENSMUSG00000030177.14	3294.191532	-0.21033225	0.000507069	0.002071615	Ccdc77
ENSMUSG00000091712.2	61.91609376	1.347669079	0.000507343	0.002072342	Sec14l5
ENSMUSG00000036989.16	1176.225988	0.32955859	0.000508588	0.002076647	Trim3
ENSMUSG00000098506.2	451.6289703	0.49675521	0.000508556	0.002076647	Phf20-ps
ENSMUSG00000031221.7	3201.55529	-0.22380631	0.000509277	0.002079068	Igfbp1
ENSMUSG00000006412.10	3748.788236	0.2066433	0.000510243	0.002082072	Pfndn2

ENSMUSG00000044350.14	190.8202604	-0.754641468	0.0005103	0.002082072	Lacc1
ENSMUSG00000109448.1	439.1198247	0.584138292	0.000510297	0.002082072	RP24-137M22.3
ENSMUSG00000054737.11	243.9194521	-0.687673604	0.000511002	0.00208454	Zfp182
ENSMUSG00000060301.6	885.580379	-0.366667601	0.000513474	0.002094232	RP24-372E.1
ENSMUSG00000073409.12	495.0519071	0.495813787	0.000513756	0.002094989	H2-Q6
ENSMUSG00000042747.12	4418.609665	0.215518644	0.000514056	0.002095817	Krtcap2
ENSMUSG00000027552.14	1382.299638	-0.296697233	0.000514293	0.002095997	E2f5
ENSMUSG00000081884.1	285.5296981	0.618605841	0.000514227	0.002095997	RP23-322G9.2
ENSMUSG00000054920.12	872.4153684	0.386361299	0.000514753	0.002097479	Khlf5
ENSMUSG00000100580.6	20.99840528	2.490389833	0.00051488	0.002097601	RP23-118K4.1
ENSMUSG00000041765.6	1491.221286	0.286752102	0.000515257	0.002098743	Ubac2
ENSMUSG00000017707.9	8416.285448	0.15867555	0.000516535	0.002103556	Serinc3
ENSMUSG00000020601.8	441.2932161	-0.543908642	0.000516866	0.002104506	Trib2
ENSMUSG00000059022.14	435.0449417	-0.514139826	0.000519061	0.002113048	Kcp
ENSMUSG00000112229.1	143.5190131	0.87016846	0.000519736	0.002115401	RP23-55A6.4
ENSMUSG00000002524.17	6608.588541	-0.183028774	0.00052047	0.002117992	Puf60
ENSMUSG000000061536.13	878.6707521	0.363027498	0.000521537	0.002121934	Sec22c
ENSMUSG00000038085.13	63.55972769	1.383001607	0.000523384	0.002129049	Cnbd2
ENSMUSG00000084416.3	22332.03176	-0.157245467	0.000524559	0.002133429	Rpl10a-ps1
ENSMUSG00000029381.16	4083.863514	-0.194876643	0.000524723	0.002133699	Shroom3
ENSMUSG00000031774.8	2131.113012	0.273651481	0.000528014	0.002146675	Fam192a
ENSMUSG00000026781.17	1590.980116	0.279578593	0.000528198	0.002147021	Acbd5
ENSMUSG00000027361.15	1890.047672	-0.277334367	0.000528772	0.002148954	Gabpb1
ENSMUSG00000015968.17	44.28516298	-1.626248374	0.000528886	0.002149013	Cacna1d
ENSMUSG00000045394.8	10316.12067	-0.151055929	0.000532594	0.002163674	Epcam
ENSMUSG00000038335.13	5570.718552	0.179527545	0.000533458	0.00216678	Tsr1
ENSMUSG00000025188.15	1160.094838	0.321176367	0.00053499	0.002172595	Hps1
ENSMUSG00000004415.15	77.1226779	-1.202382174	0.000535228	0.002173156	Col26a1
ENSMUSG00000021180.9	921.9269393	-0.35301465	0.000535703	0.002174676	Rps6ka5
ENSMUSG00000003378.9	2892.898952	-0.220448691	0.000537244	0.002179712	Grik5
ENSMUSG00000027676.11	301.5000612	-0.598665664	0.000537139	0.002179712	Ccdc39
ENSMUSG000000029695.13	1758.902659	-0.276305426	0.000537151	0.002179712	Aass
ENSMUSG00000027955.16	443.9376748	-0.515540197	0.000539073	0.002186721	Fam198b
ENSMUSG00000018068.13	4899.635654	-0.21071355	0.000540206	0.002190909	Ints2
ENSMUSG00000005054.7	1447.442746	0.304908861	0.000540899	0.00219331	Cstb
ENSMUSG00000048534.7	144.6256433	-0.881231586	0.000541433	0.002195064	Amica1
ENSMUSG00000082746.1	1270.386598	0.357028239	0.000543138	0.002201566	Rps12-ps1
ENSMUSG00000029291.11	1099.365218	-0.327706913	0.000546474	0.002214675	Rufy3
ENSMUSG00000043668.13	413.8068538	-0.529321635	0.000547202	0.002217211	Tox3
ENSMUSG00000078502.10	2474.640335	-0.268350929	0.000550129	0.002228655	RP23-285N14.1
ENSMUSG00000039814.15	1157.110892	-0.344801675	0.000550934	0.0022315	Xkr5
ENSMUSG00000050423.11	136.3789788	-0.915549296	0.000551212	0.002232207	Ppp1r3g
ENSMUSG00000025340.14	836.8510299	0.36985363	0.00055143	0.002232673	Rabgef1
ENSMUSG00000015002.18	7002.439729	-0.173076754	0.000553035	0.002238755	Efr3a
ENSMUSG00000022321.15	1100.182686	-0.325223561	0.000553485	0.00223974	Cdh10
ENSMUSG00000024276.7	1794.748744	-0.266187761	0.000553462	0.00223974	Zfp397
ENSMUSG00000035093.16	2036.099499	0.258074085	0.000554082	0.002241739	Secisbp2l
ENSMUSG00000093816.1	114.6731584	0.966966151	0.000554706	0.002243845	Gm26445
ENSMUSG00000012422.14	3589.258128	0.216393254	0.00056056	0.002267101	Tmem167
ENSMUSG00000042831.13	724.6943023	0.402750372	0.000564587	0.002282667	Alkbh6
ENSMUSG00000061887.14	6934.924242	-0.167800523	0.000564619	0.002282667	Ssbp3
ENSMUSG00000018809.2	1149.481869	-0.325306342	0.000565965	0.002287684	Smyd4
ENSMUSG00000030602.13	2726.666103	0.224826339	0.000567745	0.00229445	Pak4
ENSMUSG00000027628.10	1477.256791	0.284843538	0.000569299	0.002300303	Aar2
ENSMUSG00000020514.8	2011.383933	0.250971728	0.000569645	0.002301274	Mrlp22
ENSMUSG00000044098.14	1458.507281	-0.318420126	0.000570158	0.002302915	Rsbm1
ENSMUSG00000026810.12	802.2977357	0.389435471	0.000570404	0.002303482	Dpm2
ENSMUSG00000050174.15	92.12397821	1.122714461	0.000570621	0.002303927	Nudt6
ENSMUSG00000033106.6	2299.243854	0.246827912	0.000571437	0.002306796	Slc7a6os
ENSMUSG00000100615.1	4007.529555	0.205014814	0.000572436	0.002310398	RP23-32C18.4
ENSMUSG00000083139.1	236.254522	-0.670324881	0.000573696	0.002315052	RP23-354A24.2
ENSMUSG00000029646.3	31.50847089	-1.914183577	0.00057496	0.002319721	Cdx2
ENSMUSG00000021189.11	2067.920889	0.253810319	0.000580277	0.00234043	Atxn3
ENSMUSG00000073554.3	205.5991704	-0.727616479	0.000580309	0.00234043	Gm6960
ENSMUSG00000020792.15	2345.396486	0.238223561	0.000580599	0.00234073	Exoc7
ENSMUSG00000021510.11	1273.47329	-0.310457142	0.000580588	0.00234073	Zfp729a
ENSMUSG00000091882.8	324.4107049	-0.581364563	0.000582519	0.002348035	RP24-152K24.4
ENSMUSG00000022892.11	6138.974509	0.180084844	0.000582673	0.002348221	App
ENSMUSG00000059248.13	7547.524101	-0.167572858	0.000583717	0.002351991	09_Sep
ENSMUSG00000028741.13	7615.360972	0.162346352	0.000584529	0.002354825	Mrto4

ENSMUSG00000009630.10	5682.348107	0.17384683	0.000587522	0.002366445	PPP2cb
ENSMUSG00000002076.11	18.98588995	2.629062836	0.000589438	0.002373721	Hsf2bp
ENSMUSG000000023953.8	923.4326451	0.351844153	0.00059166	0.002382225	Pohl
ENSMUSG000000015804.14	1461.018083	0.285018229	0.000595878	0.002398767	Med28
ENSMUSG000000079654.3	116.859115	-0.963546431	0.000597769	0.002405932	Prrt4
ENSMUSG000000031149.7	578.5027697	-0.440535644	0.00059896	0.002409922	Praf2
ENSMUSG000000034345.14	1724.012189	0.269766509	0.000598982	0.002409922	Gtf2h5
ENSMUSG000000081565.1	1171.164698	0.360759092	0.000600349	0.002414971	Rps12-ps5
ENSMUSG000000020464.15	4820.428045	-0.188038243	0.000601121	0.002417628	Npnt1
ENSMUSG000000027618.17	1732.04702	0.268061889	0.000601952	0.002420521	Nfs1
ENSMUSG000000062933.7	57056.03584	0.126327846	0.00060328	0.002425414	RP23-128A11.5
ENSMUSG000000075609.3	2394.215648	0.233100983	0.000603423	0.002425538	RP24-91E8.1
ENSMUSG000000003435.9	9341.864359	0.154991815	0.000603841	0.002426769	Supt5
ENSMUSG000000036721.14	635.4372558	0.419171773	0.000608733	0.002445977	Zscan12
ENSMUSG0000000110221.1	105.8595734	1.040518895	0.000609752	0.002449618	RP23-414I24.11
ENSMUSG000000001323.17	472.5458114	0.487849778	0.000610793	0.002453347	Srr
ENSMUSG0000000025262.8	426.6621742	0.514774519	0.00061136	0.002454261	Fam120c
ENSMUSG000000057778.14	373.7421416	0.532902972	0.000611255	0.002454261	Cyb5d2
ENSMUSG0000000110377.1	17.07965863	2.823646329	0.000611268	0.002454261	RP24-225A21.2
ENSMUSG000000029563.16	120.4665577	-0.943887927	0.000612499	0.002458378	Foxp2
ENSMUSG000000024959.13	453.8928436	0.501411164	0.000612951	0.002459284	Bad
ENSMUSG000000037221.13	749.2962976	0.386643019	0.00061289	0.002459284	Mospd3
ENSMUSG000000034674.18	11577.86376	0.156494061	0.000613679	0.002461749	Tdg
ENSMUSG000000070643.11	1507.714864	-0.291065738	0.000615415	0.002468256	Sox13
ENSMUSG0000000058835.14	1160.105041	0.320513642	0.000616291	0.002471312	Abi1
ENSMUSG000000006527.16	1369.74815	0.296961227	0.000618169	0.002478387	Sfmbt1
ENSMUSG000000097278.7	90.41456239	-1.080232596	0.000621631	0.002491344	RP23-71L2.6
ENSMUSG00000009927.1	8163.842776	0.170312336	0.000621621	0.002491344	RP23-58N8.1
ENSMUSG000000084230.1	556.5654606	0.441612341	0.000621771	0.002491448	AC123837.1
ENSMUSG000000018425.18	2999.520451	-0.212596682	0.000623678	0.002498628	Dhx40
ENSMUSG000000096054.3	518.3109819	-0.458423003	0.000631233	0.002528428	Syne1
ENSMUSG000000006058.10	2457.911605	0.241770709	0.000635381	0.002544573	Snf8
ENSMUSG000000021701.8	108.7532638	0.989428423	0.000636778	0.002549698	PIK2
ENSMUSG000000008167.14	393.266208	0.52507387	0.000636984	0.002550052	Fbxw9
ENSMUSG000000003458.12	4395.26299	0.193743975	0.000644227	0.00257834	Ncstn
ENSMUSG000000023021.15	3310.025009	-0.206252112	0.000644505	0.00257834	Cers5
ENSMUSG000000027601.13	3508.953233	0.201669886	0.000644525	0.00257834	Mtfr1
ENSMUSG000000029120.10	403.0709806	-0.52468019	0.000644301	0.00257834	Ppp2r2c
ENSMUSG000000020701.12	471.7824713	-0.488083271	0.000644844	0.002579139	Tmem132e
ENSMUSG0000000067147.7	8164.633285	0.169836162	0.00064798	0.002591205	Rpl7a-ps11
ENSMUSG000000025577.7	5442.624557	0.179740434	0.000648377	0.002592312	Cbx2
ENSMUSG000000029254.16	17.26978378	2.852934673	0.000649171	0.002595008	Stap1
ENSMUSG000000042148.8	2276.391793	0.240058402	0.000649979	0.002597763	Cox10
ENSMUSG000000042766.17	430.923586	-0.493905457	0.000651217	0.00260223	Trim46
ENSMUSG000000023906.2	2061.369453	-0.262492352	0.000651751	0.002603883	Cldn6
ENSMUSG00000001576.14	7951.164175	0.167218556	0.000653175	0.002609095	Ergic1
ENSMUSG000000051703.14	147.7987684	0.843521242	0.000653346	0.002609298	Tmem198
ENSMUSG000000022255.16	18125.04719	-0.134874821	0.000655586	0.002617417	Mtdh
ENSMUSG000000033478.4	2374.665624	-0.234135771	0.000655621	0.002617417	Fam160b1
ENSMUSG000000028033.16	139.3662118	-0.863668855	0.000656311	0.002619693	Kcnq5
ENSMUSG000000079575.3	1456.307588	0.297830127	0.00065679	0.00262112	Rbpsuh-rs3
ENSMUSG000000008690.15	9470.531596	0.166364147	0.00066281	0.002644661	Ncaph2
ENSMUSG000000055762.16	10563.93529	0.158553675	0.00066315	0.002645531	Eef1d
ENSMUSG000000061778.10	2740.879512	0.22939432	0.000665563	0.002654667	Mospd2
ENSMUSG000000097448.1	169.1297292	-0.789876912	0.000665795	0.002655104	Platr22
ENSMUSG000000034820.3	3790.730611	0.194942384	0.000666607	0.002657854	Cpsf7
ENSMUSG0000000115389.1	11.91660766	4.417067456	0.000667311	0.002660172	RP24-142A23.4
ENSMUSG000000035551.6	975.4328544	-0.340234035	0.000667794	0.002661611	Igfbp1
ENSMUSG000000042308.14	2296.827008	-0.245617035	0.000668018	0.002662013	Setd1a
ENSMUSG000000042195.9	6395.672204	-0.169916682	0.000668354	0.002662865	Slc35f2
ENSMUSG000000067825.11	607.2015403	-0.484681508	0.00066929	0.002666102	Pex26
ENSMUSG000000044340.7	1422.719994	-0.291083973	0.000669492	0.002666418	Phlpp1
ENSMUSG0000000031298.15	118.9156382	-0.928843417	0.000669782	0.002667083	Adgrg2
ENSMUSG000000062743.9	462.4212448	0.481794138	0.000670058	0.002667694	Zfp677
ENSMUSG000000025728.15	2824.531152	-0.219716284	0.000670458	0.002668798	Pigq
ENSMUSG000000023092.16	1941.356989	-0.251285781	0.000673857	0.002681835	Fhl1
ENSMUSG000000053038.8	3371.739318	0.219399425	0.000676025	0.00268997	RP23-81C3.1
ENSMUSG000000028551.14	52.90271497	1.442873261	0.000676804	0.002692045	Cdkn2c
ENSMUSG000000032307.16	1036.447121	-0.335408442	0.000676919	0.002692045	Ube2q2
ENSMUSG000000059659.7	257.1573926	0.636441018	0.000676837	0.002692045	RP23-214M22.2

ENSMUSG00000112932.1	169.0252238	-0.777170286	0.00067845	0.002697639	RP24-92J3.7
ENSMUSG00000078878.9	754.6838812	-0.382017585	0.000679432	0.002701049	RP24-562O19.4
ENSMUSG00000015599.9	248.508799	0.653708738	0.000679751	0.002701825	Ttbk1
ENSMUSG00000030619.9	2637.650975	-0.223602626	0.000680725	0.002705199	Eed
ENSMUSG00000001017.15	7432.518941	0.162997148	0.000681743	0.00270875	Chtop
ENSMUSG00000029649.10	4665.542163	0.183663035	0.000682416	0.002710928	Pomp
ENSMUSG00000029454.15	254.5020452	0.636718364	0.000685241	0.002721651	Mapkapk5
ENSMUSG00000003813.15	2984.195514	0.219115757	0.000685569	0.002721729	Rad23a
ENSMUSG00000058706.5	1925.975614	0.263311194	0.000685637	0.002721729	RP23-60P18.9
ENSMUSG00000092243.8	541.9408645	0.447457217	0.000685503	0.002721729	H2-T9
ENSMUSG00000046186.8	999.9738409	-0.348373089	0.00068612	0.002722651	Cd109
ENSMUSG00000085704.1	53.20174086	1.456407105	0.00068606	0.002722651	RP23-23G3.3
ENSMUSG00000041997.16	4443.617464	-0.184583088	0.00068675	0.002724653	Ttk1
ENSMUSG00000103928.1	277.7148952	-0.621765282	0.000687502	0.002727137	RP24-167M10.4
ENSMUSG00000002365.10	1098.188517	-0.321947211	0.000689376	0.002734073	Snx9
ENSMUSG00000004096.9	3272.555055	0.212014475	0.000690612	0.002737973	Cwc15
ENSMUSG00000024231.14	6377.554698	0.168594504	0.000690511	0.002737973	Cul2
ENSMUSG00000028016.9	1179.207207	0.313367257	0.00069268	0.002745671	Ints12
ENSMUSG00000074781.5	7124.600357	0.166778303	0.000693625	0.002748915	Ube2n
ENSMUSG00000021024.14	8067.077807	0.166636753	0.000694965	0.002753722	Psma6
ENSMUSG00000086454.7	516.2310182	0.454022068	0.000696793	0.00276046	Platr14
ENSMUSG00000009073.16	10461.14466	0.151450105	0.000697151	0.002761118	Nf2
ENSMUSG00000018412.16	3927.620353	-0.202585192	0.000697341	0.002761118	Kansl1
ENSMUSG00000081544.1	350.9009319	0.544844648	0.000697336	0.002761118	RP23-284C20.4
ENSMUSG00000029179.14	1227.161129	-0.310802649	0.000699256	0.00276769	Zcchc4
ENSMUSG00000030350.8	221.5067485	-0.679623809	0.000699157	0.00276769	Prmt8
ENSMUSG00000052435.7	12.39628382	5.524179361	0.000700446	0.002771895	Cebpe
ENSMUSG00000007564.15	15799.40301	0.133882374	0.000702723	0.002780401	Ppp2r1a
ENSMUSG00000087373.7	19.88888222	2.541160551	0.000704586	0.002787264	RP23-199A2.7
ENSMUSG00000037349.9	414.4077087	0.511359823	0.000704754	0.002787419	Nudt22
ENSMUSG00000011263.16	165.2743047	-0.788301457	0.000708244	0.002800712	Exoc3l2
ENSMUSG00000084349.3	43346.11317	-0.127817175	0.000709216	0.002803534	Rpl3-ps1
ENSMUSG00000100801.1	244.3680992	0.654465161	0.000709127	0.002803534	AC092404.2
ENSMUSG00000024947.16	4774.110071	-0.184618821	0.000710395	0.002807685	Men1
ENSMUSG00000085218.7	179.3077564	0.772533262	0.000710812	0.002808819	RP23-300H23.1
ENSMUSG00000041205.8	73.61244775	1.234386705	0.000712976	0.002816858	Map6d1
ENSMUSG00000074766.10	144.1047854	-0.840890483	0.000716817	0.002831519	Ism1
ENSMUSG00000026988.15	493.6861989	0.466341088	0.000720782	0.002846661	Wdsu1
ENSMUSG00000113600.1	543.0781808	0.44937452	0.000720964	0.002846864	RP23-17K9.14
ENSMUSG00000028057.14	701.6568176	0.399281645	0.000722756	0.002853419	Rit1
ENSMUSG00000028051.10	652.3429169	-0.431804678	0.000723346	0.00285523	Hcn3
ENSMUSG00000039737.11	1231.087498	0.325676682	0.00072609	0.002865539	Prkrip1
ENSMUSG00000021993.10	1990.274679	-0.247294973	0.000728097	0.00287294	Mipep
ENSMUSG00000047766.15	300.3873213	-0.586095687	0.000728526	0.00287411	Lrrc49
ENSMUSG00000104392.1	25.74586771	2.244931122	0.000728955	0.002875278	WI1-198119.2
ENSMUSG00000060212.13	54.07232006	-1.423453005	0.000729671	0.002877581	Pcnxl2
ENSMUSG00000010054.4	844.897249	0.365903322	0.000731606	0.002884686	Tusc2
ENSMUSG00000021906.14	625.0399484	-0.415179383	0.00073246	0.002887527	Oxnad1
ENSMUSG00000039713.16	1495.914335	0.287887896	0.000732832	0.002888469	Plekhg5
ENSMUSG00000024007.14	3944.802837	0.198146289	0.000735832	0.002899768	Ppil1
ENSMUSG00000033382.14	2955.145221	0.21336452	0.000740799	0.002918812	Trappc8
ENSMUSG00000015092.9	3583.739464	0.203827444	0.000744247	0.002931866	Edf1
ENSMUSG00000022376.8	36.86474428	-1.747891581	0.000744673	0.002933012	Adcy8
ENSMUSG00000037818.16	640.1092032	-0.409379283	0.000745986	0.002937649	RP23-200C3.1
ENSMUSG00000033444.14	2723.383581	0.242150635	0.000746392	0.002938716	Specc1l
ENSMUSG00000015697.14	5836.906275	0.181361799	0.000748476	0.002946387	Setdb1
ENSMUSG00000034801.13	1112.880395	-0.342935619	0.000749368	0.002949362	Sos2
ENSMUSG00000032625.14	1546.210664	-0.275097886	0.000751752	0.002958207	Thsd7a
ENSMUSG00000033701.13	2157.107937	-0.249059617	0.00075407	0.002966794	Acbd6
ENSMUSG00000057236.10	14774.723	0.140899548	0.00075486	0.002969363	Rbbp4
ENSMUSG00000027309.18	1118.032829	0.319010054	0.000755581	0.00297166	RP23-175J8.3
ENSMUSG00000001366.14	774.9367261	0.373516503	0.000758053	0.0029803	Fbxo9
ENSMUSG00000022881.15	2733.387036	0.217238754	0.000757919	0.0029803	Rfc4
ENSMUSG00000085582.7	6.770653736	6.116608309	0.000758493	0.002981491	RP23-158F12.1
ENSMUSG00000048930.12	1735.060621	0.2637533	0.000759318	0.002983925	Tada3
ENSMUSG00000097784.1	69.40185119	1.29800259	0.000759387	0.002983925	RP23-67H24.1
ENSMUSG00000057157.3	346.4708278	0.548386239	0.000761043	0.002989892	RP24-544J6.2
ENSMUSG00000021559.14	2030.034358	-0.264482082	0.000761515	0.002991204	Dapk1
ENSMUSG00000054843.8	3870.675884	-0.193890331	0.000761738	0.002991538	Atrnl1
ENSMUSG00000019214.13	3244.71399	-0.208591011	0.000762028	0.002992135	Chtf18

ENSMUSG00000054934.10	58.20860038	-1.339710692	0.00076265	0.002994037	Kcnmb4
ENSMUSG00000060572.17	671.5040326	-0.421490962	0.000764477	0.003000665	Mfap2
ENSMUSG00000058173.12	507.055561	-0.471090974	0.000767131	0.003010539	Smco4
ENSMUSG00000051346.9	963.8214996	0.344288958	0.00076959	0.003019644	Spryd4
ENSMUSG00000048458.8	19.55359174	2.523609769	0.000770601	0.003023062	Fam212b
ENSMUSG00000047963.7	439.9397045	-0.516497749	0.000775393	0.003041313	Stbd1
ENSMUSG000000103509.1	439.7711986	-1.290948696	0.00078063	0.003061301	WI1-817D1.2
ENSMUSG00000028136.15	6270.594211	-0.176843602	0.000781231	0.003062551	Snx27
ENSMUSG00000056598.16	53.04611734	1.410615334	0.000781124	0.003062551	Drc3
ENSMUSG00000036983.7	1035.463871	0.325899172	0.000784608	0.003075233	Tfb1m
ENSMUSG00000001999.15	358.9160942	0.533096987	0.000785622	0.003078651	Blvra
ENSMUSG00000039329.8	81.17841345	1.15921521	0.000786961	0.00308334	Tex19.1
ENSMUSG000000108456.1	69.48449058	-1.23076038	0.000788563	0.003089059	RP24-143K11.2
ENSMUSG00000095098.1	509.9653906	0.449137383	0.000793094	0.003106248	Ccdc85b
ENSMUSG00000049686.14	391.65698	-0.514749738	0.000794868	0.003112634	Orai1
ENSMUSG00000055839.5	6317.628641	0.183331565	0.000799353	0.003129632	Elob
ENSMUSG00000035275.14	1706.884881	-0.270815741	0.000799547	0.003129828	Raver2
ENSMUSG00000090626.9	1105.848285	-0.325876583	0.000801166	0.003135599	Tex9
ENSMUSG00000051790.15	3006.621208	-0.212366818	0.000802622	0.003140732	Nlgn2
ENSMUSG00000063358.17	11848.76909	0.146703701	0.000804637	0.00314805	Mapk1
ENSMUSG00000023008.18	1357.19269	-0.291653441	0.000807282	0.00315783	Fmn13
ENSMUSG00000031310.16	927.977147	0.355798665	0.000807892	0.003159647	Zmym3
ENSMUSG00000020315.18	27086.20101	-0.137796388	0.000808513	0.003161504	Sptbn1
ENSMUSG00000039536.16	2168.7624	0.236119445	0.000808681	0.003161593	Stau1
ENSMUSG00000020684.14	205.2361367	-0.737509141	0.000809113	0.003162712	Ras110b
ENSMUSG00000029148.15	2741.853456	-0.224138119	0.000811343	0.003170854	Nrbp1
ENSMUSG00000033589.4	1277.143918	0.304623091	0.000813629	0.003179219	Reep4
ENSMUSG00000027765.6	189.7566533	-0.736192628	0.000818147	0.003196294	P2ry1
ENSMUSG00000030759.16	4208.004437	-0.191537638	0.000818909	0.003198698	Far1
ENSMUSG00000059058.7	1592.186032	0.283961314	0.000824248	0.003218972	Tma7-ps
ENSMUSG00000052949.14	755.0719448	0.389049455	0.000826025	0.003225331	Rnf157
ENSMUSG00000017264.16	5118.960374	0.175775936	0.000826204	0.00322545	Exosc10
ENSMUSG00000020696.18	936.6933273	0.337892508	0.000826459	0.003225867	Rffl
ENSMUSG00000083734.1	1656.409762	0.268157666	0.000828356	0.003232687	AC123868.4
ENSMUSG00000022913.15	2958.909852	0.213595507	0.000830712	0.003241299	Psmg1
ENSMUSG00000032327.14	107.7017464	-1.008300187	0.000832612	0.003248131	Stra6
ENSMUSG00000030243.16	1756.635317	0.268688869	0.000832892	0.003248638	Recql
ENSMUSG00000032186.15	1444.105386	-0.282821914	0.000833698	0.003251199	Tmod2
ENSMUSG00000039725.6	1569.091656	0.270304981	0.000836549	0.00326173	Trp53rka
ENSMUSG00000029467.15	26341.22891	0.126192531	0.000838779	0.003269837	Atp2a2
ENSMUSG00000042055.13	2617.214719	-0.224726797	0.000839221	0.003270973	Wdr11
ENSMUSG0000000266.11	375.5400392	-0.543154285	0.00084002	0.003273497	Mid2
ENSMUSG00000008892.12	4640.352315	0.183037953	0.000840296	0.003273988	Vdac3
ENSMUSG00000010086.17	60.06718255	-1.313485053	0.000840783	0.003275295	Rnf112
ENSMUSG000000100555.1	160.8688778	0.789766686	0.000845063	0.003291379	RP23-192E10.1
ENSMUSG00000038268.4	200.062653	0.787301999	0.000846649	0.003296962	Ovca2
ENSMUSG00000087672.1	142.093165	0.846532434	0.000850247	0.003310381	RP24-488O12.5
ENSMUSG00000008435.15	1224.658399	0.304868979	0.00085607	0.003332446	Rdh13
ENSMUSG00000020196.10	4247.11948	-0.199803182	0.000856221	0.003332446	Cabin1
ENSMUSG00000029657.15	5056.354347	0.175687924	0.000858711	0.003341538	Hsph1
ENSMUSG00000087174.7	451.3794313	-0.483775135	0.000861009	0.003349877	RP23-250A14.2
ENSMUSG00000049871.14	23.76523729	2.213336948	0.000862452	0.003354891	Nlrc3
ENSMUSG00000032375.15	701.313001	-0.395968567	0.000864285	0.003361418	Aph1b
ENSMUSG00000026592.13	21.89185007	2.298436071	0.000866315	0.00336871	Tex35
ENSMUSG00000026568.6	314.5543762	0.594711082	0.000867493	0.003372687	Mpc2
ENSMUSG00000005493.15	23.58031276	2.19502181	0.000869107	0.003378355	Msh4
ENSMUSG00000032394.6	1068.807077	-0.335861055	0.000870775	0.003384235	Igdcc3
ENSMUSG00000040957.15	444.4411703	-0.481116931	0.000872365	0.003389806	Cables1
ENSMUSG00000025272.16	9261.866609	0.162408485	0.000872598	0.003390103	Tro
ENSMUSG00000017176.17	52.97273438	1.450547588	0.000872819	0.003390356	Nt5c3b
ENSMUSG00000029059.9	457.3292294	0.482851492	0.000874374	0.003395788	Fam213b
ENSMUSG00000051246.3	16.73399973	2.786151356	0.000875491	0.003399516	Msantd1
ENSMUSG00000016664.16	3304.27618	0.205633928	0.000875942	0.003400659	Pacsin2
ENSMUSG00000028274.17	2144.695838	0.274187519	0.000881587	0.003421966	Rngtt
ENSMUSG00000063902.13	3927.211282	-0.197964412	0.00088175	0.003421983	RP23-21B1.2
ENSMUSG00000024871.10	123.2197893	0.91882219	0.000882066	0.0034226	Doc2g
ENSMUSG00000001988.9	269.7914785	0.648156647	0.000883687	0.003428275	Npas1
ENSMUSG00000050578.10	6.375745099	6.033611741	0.000887405	0.003442085	Mmp13
ENSMUSG00000051989.11	668.197763	0.397307671	0.00088822	0.00344463	Smim11
ENSMUSG00000029348.11	553.9402367	0.431914585	0.000891419	0.003456417	Asphd2

ENSMUSG00000019810.15	345.5998744	0.553703892	0.000893413	0.003462475	Fuca2
ENSMUSG00000021725.9	333.4022597	-0.56844063	0.000893593	0.003462475	Parp8
ENSMUSG00000028826.14	6490.187991	0.160785729	0.000893266	0.003462475	Tmem57
ENSMUSG00000038267.15	1654.027887	-0.26228768	0.000893619	0.003462475	Slc22a23
ENSMUSG00000109145.1	20.32869375	2.433504999	0.000894704	0.003466061	RP23-341H2.2
ENSMUSG00000018882.12	6279.012265	0.171072984	0.000896481	0.003472323	Mrpl45
ENSMUSG00000041119.11	714.3648712	0.392209108	0.000899669	0.00348405	Pde9a
ENSMUSG00000047635.6	633.6102254	0.403143761	0.000899938	0.003484468	AC127339.2
ENSMUSG00000028759.13	2669.962981	-0.21978509	0.000900153	0.003484681	Hp1bp3
ENSMUSG00000029993.16	1454.374534	0.289042443	0.000901476	0.003488557	Nfu1
ENSMUSG00000033543.17	2209.829561	0.235727476	0.000901333	0.003488557	Gtf2a2
ENSMUSG00000032698.15	147.9248389	-0.830024984	0.000902606	0.00349231	Lmo2
ENSMUSG00000106237.1	258.7670644	-0.618053769	0.000906037	0.003504957	RP23-45G4.3
ENSMUSG00000082329.1	1050.776701	0.339499239	0.000906989	0.003508016	RP23-169M4.3
ENSMUSG00000030282.14	6939.866918	0.166434338	0.000907287	0.003508542	Cmas
ENSMUSG00000081459.3	803.3538417	0.393967503	0.000908496	0.003512593	Llph-ps1
ENSMUSG00000040875.12	250.3449916	-0.631985979	0.000911768	0.003524614	Osbpl10
ENSMUSG00000050192.8	1630.195782	0.2667678	0.000913726	0.003531554	Eif5a2
ENSMUSG00000021457.14	440.4258239	-0.483196791	0.000916827	0.00354228	Syk
ENSMUSG00000102697.1	87.36264165	-1.141164973	0.00091681	0.00354228	Pcdhac2
ENSMUSG00000062753.14	396.9710141	0.553149239	0.000917812	0.003545453	RP23-189L19.6
ENSMUSG00000083657.1	2291.590647	-0.237655137	0.000917983	0.003545483	RP23-292J9.1
ENSMUSG00000024317.14	1708.455428	-0.265054578	0.000919222	0.003549638	Rnf138
ENSMUSG00000012535.14	8441.057463	0.154470297	0.000922552	0.00356186	Tnp3
ENSMUSG00000022744.12	3923.893517	0.195291731	0.000923834	0.003566177	Cldnd1
ENSMUSG0000005204.12	10513.64842	0.141247756	0.000927028	0.003577234	Senp3
ENSMUSG00000033917.15	1906.883373	0.249926712	0.000926939	0.003577234	Gde1
ENSMUSG00000024122.16	3554.719452	0.231197907	0.000929328	0.003585473	Pdpk1
ENSMUSG00000025494.8	267.2167807	-0.605210151	0.000929497	0.003585486	Sigirr
ENSMUSG00000027630.13	3470.814553	-0.19712026	0.000931526	0.003592674	Tbl1xr1
ENSMUSG00000021215.15	2923.804308	-0.215156148	0.000933615	0.00359945	Net1
ENSMUSG00000056234.15	2249.680824	0.235733738	0.000933463	0.00359945	Ncoa4
ENSMUSG00000056412.6	611.6886501	0.415421743	0.000933888	0.003599863	RP23-135L5.5
ENSMUSG00000028957.12	1712.506939	-0.264362061	0.000934117	0.003600106	Per3
ENSMUSG00000067722.3	1471.281153	0.27678573	0.000935809	0.003605989	BC003965
ENSMUSG00000025917.9	4167.688991	0.186138958	0.000936136	0.003606461	Cops5
ENSMUSG00000028820.13	17886.16776	-0.158341685	0.000936264	0.003606461	Sfpq
ENSMUSG00000066798.3	1118.63266	0.322737218	0.000940102	0.003620604	Zbtb6
ENSMUSG00000031592.10	5022.524478	-0.220480489	0.000940397	0.003621096	Pcm1
ENSMUSG000000028753.12	35.89527417	-1.734423063	0.00094317	0.003631131	Vwa5b1
ENSMUSG00000115868.1	637.0872565	-0.424565262	0.000946601	0.003643691	RP23-104H10.1
ENSMUSG00000064999.1	28.26821398	2.134323753	0.000949524	0.003654296	Gm26035
ENSMUSG00000002279.18	1331.564928	-0.307626186	0.000950959	0.003659168	Lmf1
ENSMUSG00000043631.8	39.39686618	1.660610969	0.000951754	0.003661577	Ecm2
ENSMUSG00000044006.8	143.6269876	-0.844724928	0.000952813	0.003665004	Cilp2
ENSMUSG00000041642.18	3846.397343	-0.219694929	0.000956309	0.003677798	Kif21b
ENSMUSG00000001962.8	2437.828883	0.2342868	0.000957212	0.003680618	Fam50a
ENSMUSG000000071322.12	15.4663262	2.882065819	0.000959181	0.003687535	Tcp10a
ENSMUSG00000027569.15	1151.464594	0.304974266	0.00096061	0.003692376	Mrgbp
ENSMUSG00000086606.1	161.8004086	0.788439894	0.000961412	0.003694806	RP23-23015.2
ENSMUSG00000069910.2	1872.933843	0.253344064	0.000962094	0.003696771	Spdl1
ENSMUSG00000039361.11	5716.230406	0.177034527	0.000964587	0.003705401	Picalm
ENSMUSG00000108314.1	437.9907446	0.479238893	0.000964681	0.003705401	RP23-73F23.5
ENSMUSG00000020386.5	2795.623537	0.210945052	0.000966563	0.003711973	Sar1b
ENSMUSG00000052031.8	1395.020799	-0.288917284	0.00096932	0.003721902	Tagap1
ENSMUSG00000030611.10	1028.363858	0.330250017	0.000972719	0.003734289	Mrps11
ENSMUSG00000031107.6	1034.229018	0.322596769	0.000974821	0.003741699	Rbmx2
ENSMUSG00000076031.1	113.4114495	0.928579013	0.000976453	0.003745976	Gm22751
ENSMUSG00000076038.1	113.4114495	0.928579013	0.000976453	0.003745976	Gm22774
ENSMUSG00000094403.1	113.4114495	0.928579013	0.000976453	0.003745976	Mir692-2
ENSMUSG00000046463.5	147.1387113	0.850209447	0.000976771	0.003746055	RP24-113L10.2
ENSMUSG00000084401.1	86.91602436	1.136582685	0.000976819	0.003746055	RP23-342H16.3
ENSMUSG00000031711.7	2631.008613	0.230090334	0.000977587	0.003748337	Zfp330
ENSMUSG00000054385.14	143.4953421	-0.907057717	0.000979488	0.003754964	Ceacam2
ENSMUSG00000040205.8	11.52520929	5.415858796	0.000982961	0.003767613	Cuzd1
ENSMUSG00000027075.16	563.4863486	-0.42696082	0.000983276	0.003767793	Slc43a1
ENSMUSG00000047347.7	5838.91302	0.163997218	0.000983355	0.003767793	Tdg-ps
ENSMUSG00000021065.16	1197.67686	-0.303257525	0.000987494	0.003782981	Fut8
ENSMUSG00000019948.4	1086.486762	0.319012792	0.000989843	0.003791313	Actr6
ENSMUSG00000038141.11	3768.516406	0.209380278	0.000991558	0.00379721	Tmem181a

ENSMUSG00000099891.1	146.8396697	0.837185779	0.000993128	0.003802551	RP23-451E8.1
ENSMUSG00000034486.8	26.8017044	2.030553918	0.000994539	0.003807281	Gbx2
ENSMUSG00000039917.10	1383.075906	-0.29324225	0.000995019	0.003808448	Rhbdd2
ENSMUSG00000025403.5	10985.94369	-0.142295114	0.000995422	0.003809319	Shmt2
ENSMUSG00000032324.11	6594.082016	-0.166027411	0.000995982	0.003810789	Tspan3
ENSMUSG00000025505.16	350.0254596	-0.528952387	0.000996167	0.003810828	Tmem80
ENSMUSG00000025915.14	421.8093244	-0.500963192	0.001000543	0.003826892	Sgk3
ENSMUSG00000039850.16	1269.988664	0.291701475	0.001000801	0.003827203	Endov
ENSMUSG00000116912.1	2226.595743	-0.231718234	0.001001067	0.003827546	RP24-85G10.1
ENSMUSG00000034595.17	810.8986862	0.356528211	0.001001865	0.003829922	Ppp1r18
ENSMUSG00000022553.16	3410.835087	-0.198689163	0.001004792	0.003840438	Maf1
ENSMUSG00000024219.15	2161.498858	0.235041383	0.001005234	0.003841451	Anks1
ENSMUSG00000029449.11	207.9260187	0.682122156	0.001007176	0.003848193	Rhof
ENSMUSG00000028597.11	657.7170722	-0.416285988	0.001009993	0.003858276	Gpx7
ENSMUSG00000029136.9	168.7545336	0.76513945	0.001011924	0.003864972	Rbks
ENSMUSG00000008333.12	3624.080968	0.207956781	0.001014395	0.00387373	Snrbp2
ENSMUSG00000023903.7	895.9025001	-0.338823891	0.001016086	0.003879503	Mmp25
ENSMUSG00000041133.11	15540.69811	-0.130775023	0.001017796	0.00388535	Smc1a
ENSMUSG00000040612.13	457.6537542	-0.462948964	0.001019219	0.003890096	Ildr2
ENSMUSG00000043065.12	1215.846718	-0.300276297	0.001020865	0.003895696	Spice1
ENSMUSG00000021149.8	8545.261569	0.14887917	0.001022144	0.003899889	Gtpbp4
ENSMUSG00000036112.15	14504.28808	0.134138471	0.001022951	0.003902282	Metap2
ENSMUSG00000029569.9	1877.241867	-0.255450189	0.001024166	0.003906231	Tmem168
ENSMUSG00000029177.9	6974.814556	-0.16568109	0.001026017	0.003912603	Cenpa
ENSMUSG00000031731.16	3918.384885	0.212366106	0.001029877	0.003926632	Ap1g1
ENSMUSG00000054160.2	78.29619881	-1.132623694	0.001030364	0.003927798	Nkx2-4
ENSMUSG00000097772.7	900.8872714	-0.363930298	0.001032015	0.003933402	RP23-325M7.3
ENSMUSG00000053007.9	139.143348	-0.847758517	0.001033744	0.003939301	Creb5
ENSMUSG00000024083.15	2220.685763	0.232573208	0.00103858	0.003957033	Pja2
ENSMUSG00000026235.14	2191.773402	-0.236889517	0.001039262	0.003958937	Epha4
ENSMUSG00000025217.15	2204.33466	0.232159135	0.001041186	0.003964875	Btrc
ENSMUSG00000052406.14	2486.757106	-0.229397947	0.001041177	0.003964875	Rexo4
ENSMUSG00000069274.3	62.14326468	1.270904074	0.001042727	0.003970044	Hist1h4f
ENSMUSG00000039860.19	182.050043	-0.77321022	0.001047212	0.003986424	Srrm3
ENSMUSG00000033400.14	1384.665924	0.281855077	0.001048612	0.003991051	Agl
ENSMUSG00000101939.1	11897.40527	0.182409673	0.001049673	0.003994389	RP23-8J15.5
ENSMUSG00000078706.4	265.8100104	-0.610833421	0.00105047	0.003996721	RP23-85A17.4
ENSMUSG00000024878.8	1170.442635	0.309845027	0.001051342	0.003999337	Cbwd1
ENSMUSG00000010175.13	747.3024905	-0.370398317	0.001052124	0.004001613	Prox1
ENSMUSG00000052962.3	1166.546886	0.337039208	0.001052493	0.004002313	Mrp135
ENSMUSG00000021243.14	2437.604802	0.240370839	0.001053465	0.004005307	Fcf1
ENSMUSG00000040451.17	1549.958617	-0.265942381	0.001053741	0.004005654	Sgms1
ENSMUSG00000024096.16	4868.709703	0.17691844	0.001057318	0.004018549	Ralbp1
ENSMUSG00000043003.14	132.799389	-0.868534894	0.001057882	0.004019989	Rasef
ENSMUSG00000031681.16	1368.243783	-0.279553049	0.001061609	0.004032741	Smad1
ENSMUSG00000048960.13	12542.75794	-0.157043144	0.001061531	0.004032741	Prex2
ENSMUSG00000025428.15	41671.84466	0.115091196	0.001062692	0.004036148	Atp5a1
ENSMUSG00000028085.12	947.2638198	0.338741399	0.001064398	0.00404121	Gatb
ENSMUSG00000028148.11	63.9537765	-1.235990134	0.00106431	0.00404121	Them5
ENSMUSG00000032737.13	8912.683162	-0.148304125	0.001067784	0.004053359	Inpp1
ENSMUSG00000026353.9	4146.91667	0.193177369	0.001068724	0.004056219	Ubxn4
ENSMUSG00000039349.5	244.951617	-0.622465456	0.001070389	0.004061827	AC131992.1
ENSMUSG00000022475.19	722.2513827	-0.376230599	0.001072659	0.004069729	Hdac7
ENSMUSG00000020621.6	574.3694435	-0.416046366	0.001077948	0.004089079	Rdh14
ENSMUSG00000029334.14	103.517305	-0.965337636	0.001079016	0.004092293	Prkg2
ENSMUSG00000032834.11	3513.506206	0.198311581	0.001079172	0.004092293	Pwp2
ENSMUSG00000009734.18	33.23059863	-1.76066524	0.001079708	0.00409361	Pou6f2
ENSMUSG00000004360.9	586.7009751	-0.432521468	0.001080824	0.004097125	RP23-331E5.6
ENSMUSG00000031828.9	304.025952	0.567962079	0.001081578	0.004099269	Khl36
ENSMUSG00000105081.1	714.4386558	0.402604986	0.001084911	0.004111183	RP24-86E4.1
ENSMUSG00000005378.17	2897.246379	0.210175511	0.001086331	0.004115844	Wbscr22
ENSMUSG00000055322.15	797.001963	-0.360959668	0.001087618	0.004119999	Tns1
ENSMUSG00000023977.15	6338.034856	-0.16540333	0.001088521	0.004122702	Ubr2
ENSMUSG00000047409.13	429.3399378	-0.484730955	0.001090992	0.00413134	Ctdspl
ENSMUSG00000030138.8	12062.9519	0.138805531	0.001092377	0.004135861	Bms1
ENSMUSG00000079555.2	1280.368072	0.290903708	0.001092606	0.004136007	Haus3
ENSMUSG00000040713.12	1143.956884	0.310220209	0.001094445	0.004141524	Creg1
ENSMUSG00000061510.3	45.41089622	1.490478678	0.001094287	0.004141524	RP23-337O1.3
ENSMUSG00000021070.6	98.59586037	1.014065139	0.001095302	0.004144044	Bdkrb2
ENSMUSG00000036672.5	1253.167512	0.292424461	0.001101322	0.004166096	Cenpt

ENSMUSG00000082045.4	580.6895071	0.418626782	0.001102422	0.004169532	RP23-398F7.12
ENSMUSG00000026389.16	1400.63684	-0.278647378	0.001103303	0.004172134	Steap3
ENSMUSG00000040852.5	652.6599529	-0.403322585	0.001104454	0.00417576	Plekhh2
ENSMUSG00000028651.12	2404.573892	0.235594827	0.001106802	0.00418318	Ppie
ENSMUSG00000084067.3	1287.752272	0.287174876	0.001106795	0.00418318	RP23-321D1.4
ENSMUSG00000046324.12	3580.19521	-0.191264222	0.001113614	0.004208194	Ermp1
ENSMUSG00000002733.8	1199.472386	-0.302840528	0.001114826	0.00421204	Plekha3
ENSMUSG00000095427.2	16330.58153	0.129502884	0.001115978	0.004215658	RP24-98A17.1
ENSMUSG00000060671.12	4526.455235	-0.181212306	0.001120057	0.004230332	Atp8b2
ENSMUSG00000032602.6	614.1684424	0.408414708	0.001123859	0.004243951	Slc25a20
ENSMUSG00000096146.2	94.25865087	-1.100150771	0.001126705	0.004253959	Kcnj11
ENSMUSG00000071649.5	2228.492394	0.229585166	0.001129253	0.004262835	B3gat3
ENSMUSG00000021687.14	5468.460078	-0.177227413	0.001130106	0.004264587	Scamp1
ENSMUSG00000038692.8	16.38230362	2.763426552	0.00113011	0.004264587	Hoxb4
ENSMUSG00000104344.1	125.4213149	-0.867686089	0.001132882	0.004274214	RP23-44416.3
ENSMUSG00000106188.1	11.89927566	3.792576553	0.001133055	0.004274214	RP23-60E24.5
ENSMUSG00000029156.11	1016.584629	0.327762797	0.001133742	0.004276062	Sgcb
ENSMUSG00000032560.14	5753.742086	0.172444444	0.001135616	0.004282386	Dnajc13
ENSMUSG00000004347.16	260.9083394	-0.60077598	0.001136239	0.00428399	Pde1c
ENSMUSG00000001288.15	1080.554254	-0.310971126	0.001138683	0.00429246	Rarg
ENSMUSG00000033099.10	1461.071886	0.270918797	0.001138923	0.00429262	Nol12
ENSMUSG00000049606.16	2900.448482	-0.238545513	0.00113955	0.004294237	Zfp644
ENSMUSG00000030869.11	3325.920154	0.21354425	0.001150267	0.004333872	Ndufab1
ENSMUSG00000006711.15	13.39157598	3.185616124	0.001151288	0.004336966	RP23-92G13.7
ENSMUSG00000019802.13	7158.304984	0.168436907	0.001159702	0.004367901	Sec63
ENSMUSG00000105156.1	456.1374173	0.469356032	0.001169281	0.004403215	RP23-258C13.1
ENSMUSG00000070287.3	31.85234436	1.798799206	0.001172685	0.004415267	Slc35g2
ENSMUSG00000026466.16	1353.362072	0.289343407	0.001174218	0.004420275	Tor1a1p1
ENSMUSG00000042787.14	1083.601552	0.313484376	0.001174484	0.00442051	Exog
ENSMUSG00000020387.15	1017.866919	-0.316316677	0.001175077	0.004421974	Jade2
ENSMUSG00000028633.7	6691.317019	0.15838573	0.001176302	0.004425815	Ctps
ENSMUSG000000083798.1	366.1830099	0.524754664	0.001176755	0.004426754	RP23-66H6.5
ENSMUSG00000039438.7	11.08967202	5.358491439	0.001177151	0.004427474	Ttc36
ENSMUSG00000010760.5	1872.288071	-0.244357799	0.001179083	0.004433973	Phlda2
ENSMUSG00000040124.5	415.7812204	0.482825379	0.001179668	0.004435406	Gorab
ENSMUSG00000097422.1	11.43609492	3.749504436	0.001180733	0.004438641	Gm26521
ENSMUSG00000116766.1	11.02829091	4.327740197	0.001181521	0.004440831	RP23-441H20.3
ENSMUSG00000059743.12	1925.724397	0.243728923	0.001183184	0.004446313	Fdps
ENSMUSG00000068921.14	4636.935802	0.191387898	0.001185003	0.004452377	Dap3
ENSMUSG00000071613.11	169.9239988	-0.746639004	0.001188357	0.004464205	RP23-338C22.3
ENSMUSG00000036138.16	930.9780554	0.32959743	0.001192236	0.004478005	Acaa1a
ENSMUSG00000020863.15	13317.80273	-0.141726146	0.001193572	0.004482245	Luc7l3
ENSMUSG00000035394.11	11.50695092	3.757899894	0.001194844	0.004486247	Cfap53
ENSMUSG00000027395.15	3343.170271	-0.201306053	0.001195431	0.004487673	Poir1b
ENSMUSG00000042429.8	144.3467755	-0.819911357	0.00119601	0.00448907	Adora1
ENSMUSG00000028789.16	278.5545997	0.606190318	0.001197579	0.004494181	Azin2
ENSMUSG00000055137.7	43.62651794	1.50606277	0.001199797	0.00450173	Sugct
ENSMUSG00000000693.10	456.7109573	-0.477223456	0.001206501	0.004526099	Loxl3
ENSMUSG00000048327.6	2105.439858	0.250033988	0.001207761	0.004530042	Ckap2l
ENSMUSG00000023066.9	1101.537927	-0.311861882	0.001208716	0.00453284	Rttn
ENSMUSG00000073131.12	1525.461488	-0.266313134	0.001210391	0.004538338	Vma21
ENSMUSG00000044763.8	1327.412489	0.295598328	0.001211311	0.004541005	Trmt10c
ENSMUSG00000039620.17	287.1292955	-0.5736209	0.00121634	0.004559068	AC168051.1
ENSMUSG00000035547.14	788.4653305	0.354738371	0.001217838	0.004563896	Capn5
ENSMUSG00000051864.10	1071.882792	0.313590997	0.001220369	0.004572591	Tbc1d22a
ENSMUSG00000034066.13	173.0618582	0.739780321	0.001230101	0.00460826	Farp2
ENSMUSG00000025373.14	1845.064583	0.263620226	0.001230933	0.004610582	Rnf41
ENSMUSG00000027254.13	423.5626215	-0.491237562	0.001233382	0.004618159	Map1a
ENSMUSG00000049672.14	1143.381751	-0.31780665	0.001233173	0.004618159	Zbtb14
ENSMUSG00000017188.3	2772.265352	0.214335231	0.001234498	0.004620999	Coa3
ENSMUSG00000072407.4	576.256923	0.428136734	0.001234566	0.004620999	RP23-184A3.2
ENSMUSG00000021877.12	4904.473644	0.170815421	0.001237763	0.004632167	Arf4
ENSMUSG00000078578.9	13482.2601	0.143403569	0.001239886	0.004639311	Ube2d3
ENSMUSG00000025876.15	1243.197328	-0.289688895	0.001241138	0.004643197	Unc5a
ENSMUSG00000027889.17	3517.662813	-0.197775543	0.001243367	0.004650732	Ampd2
ENSMUSG00000030714.14	775.5870366	0.356016914	0.001245241	0.004656939	Sgf29
ENSMUSG00000002210.11	1226.212419	0.289565486	0.001248564	0.004668564	Smg9
ENSMUSG00000051224.13	1441.363016	0.271775015	0.001252677	0.004683136	Tceanc
ENSMUSG00000025271.13	1034.35685	-0.313325064	0.001252982	0.004683467	Pfkfb1
ENSMUSG00000049038.3	338.3991102	0.53073099	0.001254493	0.004688307	Mterf2

ENSMUSG00000042323.17	10307.30775	-0.15265658	0.001256645	0.004695542	Pbrm1
ENSMUSG00000031910.14	165.3168586	-0.74681753	0.001256864	0.004695554	Has3
ENSMUSG00000020101.14	337.227894	-0.526821479	0.001260096	0.004706671	Vsir
ENSMUSG00000061242.6	18.86227395	2.456680796	0.001260274	0.004706671	RP24-86D16.4
ENSMUSG00000038540.14	66.10527321	-1.203896244	0.001261255	0.004709524	Tmc3
ENSMUSG00000006442.10	10559.19628	0.142034538	0.001262207	0.004712267	Srm
ENSMUSG00000053574.4	102.2731062	-0.952707907	0.001264131	0.004718641	RP23-207N15.6
ENSMUSG00000043940.15	3648.958881	-0.189276916	0.00126482	0.004720399	Wdfy3
ENSMUSG00000028849.17	5395.367731	0.168050968	0.00126623	0.004724848	Map7d1
ENSMUSG00000030180.15	7723.472641	0.162463897	0.001267378	0.00472832	Kdm5a
ENSMUSG00000104061.1	28.65775961	1.900798379	0.001270332	0.004738525	RP24-308L17.1
ENSMUSG00000057375.13	650.5547373	0.396439039	0.001272267	0.004744928	Yipf1
ENSMUSG00000028438.16	1152.105159	-0.302455274	0.001277162	0.004762367	Kif24
ENSMUSG00000106294.1	373.9872305	0.503062615	0.001277902	0.004764307	RP23-6C10.4
ENSMUSG00000021716.14	589.4217213	-0.405076812	0.001279484	0.004769384	Srek1ip1
ENSMUSG00000038084.16	4322.786385	-0.191380336	0.001280137	0.004770998	Opal
ENSMUSG00000057706.7	419.6151723	0.491197154	0.001282829	0.004780212	Mex3b
ENSMUSG00000016984.7	2858.356823	0.215479175	0.001284538	0.004785758	Etaa1
ENSMUSG00000078622.8	10391.67969	0.145301883	0.001284985	0.004786603	Ccdc47
ENSMUSG00000112544.1	10.90733139	5.333153996	0.001285894	0.004789165	RP23-193A14.2
ENSMUSG00000037542.13	10.95658113	5.332309683	0.001287947	0.004795988	Aldh8a1
ENSMUSG00000043872.14	1027.178559	0.315700091	0.001289643	0.004801483	Zmym1
ENSMUSG00000000902.13	3849.494011	-0.206354637	0.001290386	0.004802599	Smarcb1
ENSMUSG00000032398.7	642.0150403	0.393807314	0.001290169	0.004802599	Snapc5
ENSMUSG000000008318.10	1049.730379	0.32059583	0.001297323	0.00482759	Relt
ENSMUSG00000052560.15	144.0945152	-0.823742376	0.001299149	0.004833556	Cpne8
ENSMUSG00000094437.2	672.6802141	0.379072665	0.001301562	0.004841704	RP24-175C20.20
ENSMUSG00000085666.3	5850.263754	0.177559822	0.001303073	0.004846495	RP23-40C8.1
ENSMUSG00000110331.1	4778.402445	0.192447449	0.001305878	0.004856094	RP23-45713.2
ENSMUSG00000027425.18	2038.442854	-0.235702106	0.001307064	0.004859672	Csrp2bp
ENSMUSG00000078139.3	1185.440763	0.292501488	0.001309366	0.004867396	Hbld2
ENSMUSG00000040084.9	6653.393739	-0.154765146	0.001311072	0.004872903	Bub1b
ENSMUSG00000036242.15	2357.600613	-0.219542228	0.001313112	0.004879649	RP24-179D17.1
ENSMUSG00000036985.12	1513.129541	0.279520757	0.001314498	0.004883963	Zdhc9
ENSMUSG00000021743.6	13.04569335	-3.046050289	0.001317374	0.004893812	Fezf2
ENSMUSG00000033458.17	330.1345254	-0.550432382	0.001318232	0.004896163	Fan1
ENSMUSG00000032491.14	747.725205	-0.362483269	0.001321304	0.00490673	Nradd
ENSMUSG00000033526.16	604.7265694	0.412133582	0.001322196	0.004909203	Ppip5k1
ENSMUSG00000075028.11	400.5283674	-0.498069524	0.001322469	0.004909379	Prdm11
ENSMUSG00000043168.12	65.76403529	-1.18514448	0.001328673	0.004931565	AC140283.1
ENSMUSG00000029126.7	371.0630665	-0.501905534	0.001329261	0.004932905	Nsg1
ENSMUSG00000030826.19	1265.505428	-0.305526163	0.001330684	0.004937342	Bcat2
ENSMUSG00000044708.5	192.178226	0.722020451	0.001333869	0.004947465	Kcnj10
ENSMUSG00000090602.3	10781.20771	0.14215322	0.001333769	0.004947465	RP23-192E11.1
ENSMUSG00000089659.2	1268.261666	-0.282745602	0.001334389	0.004948551	AC141896.2
ENSMUSG00000036850.4	942.0825931	0.332676014	0.001334806	0.004949249	Mrpl11
ENSMUSG00000035861.6	579.4062961	-0.407876939	0.001341807	0.00497436	Tmprss11b
ENSMUSG00000016552.13	1810.338642	0.247091022	0.001343332	0.004979161	Foxred2
ENSMUSG00000025496.5	42.90281929	-1.525999263	0.001344278	0.004981816	Drd4
ENSMUSG00000050538.8	364.4347182	0.505331211	0.001344912	0.004983317	RP23-386E10.7
ENSMUSG00000016481.15	1732.917247	-0.26443432	0.001348076	0.004994185	Cr1l
ENSMUSG00000054766.13	49778.03689	0.114276393	0.001349581	0.004998908	Set
ENSMUSG00000042042.14	661.8881333	0.397618528	0.001351094	0.005003657	Csgalnact2
ENSMUSG00000020268.13	876.5719687	0.36021056	0.001352832	0.00500924	Lym7
ENSMUSG00000006906.10	243.7657763	0.636754855	0.001355447	0.005018066	Stambp
ENSMUSG00000029580.14	73069.77017	0.115148913	0.001356056	0.005019464	Actb
ENSMUSG00000030538.15	636.4751423	0.38664464	0.001357728	0.005024799	Cib1
ENSMUSG00000042854.9	795.4504882	0.35078891	0.00135954	0.005030646	Trp53rkb
ENSMUSG00000068417.8	1167.523181	0.293628738	0.001360539	0.005033485	Pnp2
ENSMUSG00000015812.8	28.95416877	1.924326121	0.001364286	0.005046485	Gnrh1
ENSMUSG00000020664.10	5321.427236	0.165709453	0.001366229	0.00505281	Dld
ENSMUSG00000022389.15	1478.250408	0.267957674	0.001369265	0.005063178	Tef
ENSMUSG00000050105.5	81.6969583	-1.192596365	0.001371492	0.005070547	Grrp1
ENSMUSG00000103475.1	1065.324316	-0.30709553	0.001372733	0.005074273	RP23-201A19.2
ENSMUSG00000074238.6	2570.114299	0.215034026	0.001373469	0.005076126	Ap1ar
ENSMUSG00000022790.14	107.9939882	-0.963391091	0.001377198	0.005089043	Igsf11
ENSMUSG00000110867.1	148.4701119	-0.805393376	0.001379443	0.005096471	RP23-311C13.3
ENSMUSG00000031782.15	1312.335966	0.278608609	0.001379897	0.005097281	Coq9
ENSMUSG00000030800.10	158.7698321	-0.773869972	0.001380658	0.005099223	Prss8
ENSMUSG00000017390.15	3837.851029	-0.466669278	0.001383198	0.005107736	Aldoc

ENSMUSG00000087903.1	102.3117923	-1.009813177	0.001386637	0.005119562	Gm22039
ENSMUSG00000041258.17	1809.338897	-0.270394611	0.001387215	0.005120826	Zfp236
ENSMUSG00000044442.11	452.4374486	-0.464793999	0.001387894	0.005122462	N6amt1
ENSMUSG00000030610.13	531.9680295	0.420987037	0.001388487	0.005123781	Det1
ENSMUSG00000007656.13	4478.888433	-0.176771321	0.0013888	0.005124064	Arpp19
ENSMUSG00000020019.4	106.5311084	-0.952748174	0.001398043	0.00515729	Ntn4
ENSMUSG00000032507.15	255.0556731	0.609296506	0.00139923	0.00516079	Fbxl2
ENSMUSG00000038070.15	190.7894306	0.695463427	0.001399938	0.005161649	Cntln
ENSMUSG00000085342.1	8178.500911	0.160467889	0.001399745	0.005161649	RP23-465K20.11
ENSMUSG00000052301.14	416.9873243	-0.477283735	0.001406054	0.005183316	Doc2a
ENSMUSG00000026799.15	505.2091619	0.429667844	0.001407318	0.005187095	Med27
ENSMUSG00000112347.1	23.7185145	2.091985882	0.001413151	0.005207711	RP24-255E8.3
ENSMUSG00000022863.15	2899.249309	-0.217253923	0.001417367	0.005222359	Btg3
ENSMUSG00000027351.14	3975.812824	-0.18942802	0.001419084	0.005227029	Spred1
ENSMUSG00000082491.1	1827.888505	0.251476334	0.001419116	0.005227029	AC163438.1
ENSMUSG00000066235.7	1050.302127	0.327395138	0.001420772	0.005232241	Pomgmt2
ENSMUSG00000029165.17	698.3530887	-0.372014931	0.001422097	0.005236232	Aglb5
ENSMUSG00000031312.5	72.85792894	1.139101786	0.001424392	0.005243605	ltgb1bp2
ENSMUSG00000097340.1	144.1765662	-0.815433385	0.001424583	0.005243605	Gm26617
ENSMUSG00000030541.16	3545.04087	-0.188376354	0.001428021	0.005255368	Idh2
ENSMUSG00000039062.15	553.2215461	-0.413219501	0.001428344	0.005255667	Anpep
ENSMUSG00000084289.1	974.4168252	0.337870232	0.00142876	0.005256306	RP23-203J4.1
ENSMUSG00000050148.9	7522.483604	-0.153306601	0.001430019	0.005260046	Ubqln2
ENSMUSG00000038936.13	1112.88962	-0.305174989	0.001431446	0.005264402	Sccpdh
ENSMUSG00000091655.3	3061.386638	0.197128167	0.001435651	0.005278971	RP23-331E12.5
ENSMUSG00000100506.1	97.9312627	-0.9596707	0.001441131	0.005298224	Nanog-ps1
ENSMUSG00000020124.10	4997.682559	0.169927263	0.001443162	0.005303896	Usp15
ENSMUSG00000046691.13	5033.378195	0.180088382	0.001442926	0.005303896	Chtf8
ENSMUSG00000019039.14	1061.7592	0.314229295	0.00144527	0.005310742	Dalrd3
ENSMUSG00000034891.13	811.4295017	-0.350591967	0.001448555	0.005321913	Sncb
ENSMUSG00000030344.11	26.12468509	-1.994248875	0.001451431	0.005331577	Akap3
ENSMUSG00000005320.9	126.3537256	0.863626169	0.001452632	0.005335085	Fgfr4
ENSMUSG00000021592.17	360.9039498	-0.537290653	0.001453393	0.005336975	Arsk
ENSMUSG00000023025.16	12456.71683	0.138158398	0.001453973	0.005338204	Larp4
ENSMUSG00000026238.14	118393.3702	0.106238959	0.001455263	0.005342037	Ptma
ENSMUSG00000016262.14	355.861452	-0.527599939	0.00145588	0.005343398	Sertad4
ENSMUSG00000110462.1	99.28163017	-0.98969712	0.00145699	0.005346566	RP24-129F24.1
ENSMUSG00000049235.8	5143.589374	0.165213125	0.001459571	0.005354228	RP23-299A24.2
ENSMUSG00000099098.4	48.90961771	1.426987905	0.001459472	0.005354228	RP23-96N11.4
ENSMUSG00000044387.5	48.85263371	-1.480131107	0.001463816	0.005368891	AC121973.1
ENSMUSG00000031174.17	726.0689493	-0.372916332	0.001470819	0.00539326	Rpgr
ENSMUSG00000040365.14	3325.937652	0.196937293	0.001470957	0.00539326	Trim41
ENSMUSG00000044864.16	3307.717508	0.196894496	0.001471347	0.005393781	Ankrd50
ENSMUSG00000078716.10	149.2354898	0.777843592	0.001475058	0.005406471	Tmem8b
ENSMUSG00000039607.15	49.57246287	-1.372362722	0.001478367	0.005417685	Rbms3
ENSMUSG00000032679.12	12839.36052	-0.144375431	0.001480832	0.005425799	Cd59a
ENSMUSG00000090307.7	34.12580637	-1.662404044	0.001481611	0.005427737	RP23-96A14.2
ENSMUSG00000037112.16	838.3459072	-0.348306702	0.001483817	0.005434901	Sik2
ENSMUSG00000017740.17	320.2100632	-0.550546064	0.001484707	0.005437246	Slc12a5
ENSMUSG00000026749.11	1117.968373	0.301345893	0.001485622	0.005439676	Nek6
ENSMUSG00000073639.5	3388.535359	0.196119322	0.001490339	0.005456027	Rab18
ENSMUSG00000021012.16	6300.705556	0.156311373	0.001491271	0.005458519	Zc3h14
ENSMUSG00000035407.8	82.21385672	-1.092483814	0.001492631	0.005462576	Kank4
ENSMUSG00000104148.5	49.81436472	-1.389541561	0.001496947	0.005477447	Pcdha2
ENSMUSG00000057716.6	69.44995611	-1.213231841	0.001499252	0.005484957	Tmem178b
ENSMUSG00000073877.10	185.5557758	0.718495381	0.001500872	0.00548996	RP23-388P16.4
ENSMUSG00000062995.12	520.4430242	-0.432551003	0.001502525	0.005495079	Ica1
ENSMUSG00000002546.16	2026.159632	0.245642445	0.001503384	0.005496369	Golga2
ENSMUSG00000096687.7	626.4484934	0.401515916	0.001503143	0.005496369	RP24-170A20.3
ENSMUSG00000036155.13	992.4914831	-0.32834142	0.001505563	0.005502479	Mgat5
ENSMUSG00000039680.10	450.713368	0.461833843	0.0015055	0.005502479	Mrps6
ENSMUSG00000049551.2	299.5036005	-0.556232505	0.001508463	0.005512152	Fzd9
ENSMUSG00000040813.16	676.438655	-0.375275175	0.001508896	0.005512806	Tex264
ENSMUSG00000042229.9	957.1104014	0.322255512	0.001511068	0.00551981	Rabif
ENSMUSG00000030871.11	1057.443682	0.307540794	0.001512643	0.005524634	Ears2
ENSMUSG00000042249.11	2170.878348	-0.235765469	0.001519492	0.005548714	Adrbk2
ENSMUSG00000047735.14	36.03278604	-1.612328154	0.001525118	0.005568321	Samd9l
ENSMUSG00000045319.13	360.7073382	-0.499982268	0.001526322	0.00557178	Proser2
ENSMUSG00000025875.14	649.454635	0.387332874	0.001527367	0.005573721	Tspan17
ENSMUSG00000026977.17	3692.184507	-0.210249201	0.00152726	0.005573721	07. Mrz

ENSMUSG00000027985.14	417.0225799	-0.485697591	0.001533529	0.005595267	Lef1
ENSMUSG00000083283.3	1305.407586	0.297650287	0.001535376	0.005601065	RP23-15J3.4
ENSMUSG00000039191.12	3868.169517	0.188787645	0.001536046	0.005602568	Rbpj
ENSMUSG00000112433.1	18.33685831	2.410492273	0.00153756	0.005607144	RP23-380K24.3
ENSMUSG00000030747.5	912.8768427	0.342242284	0.001541068	0.005618993	Dgat2
ENSMUSG00000022151.16	693.0870347	-0.389350049	0.001546687	0.005638537	Ttc33
ENSMUSG00000040794.5	106.5476452	-0.925311448	0.001550005	0.005649683	C1qtnf4
ENSMUSG00000029414.11	5324.718104	0.162976079	0.00156189	0.005692047	Kntc1
ENSMUSG00000063445.14	1661.350243	-0.258165762	0.001562367	0.00569283	Nmral1
ENSMUSG00000020844.6	2870.01572	0.201023254	0.001562766	0.005693328	Nxn
ENSMUSG00000050106.17	193.2995136	-0.698168164	0.001567431	0.005709363	Tmc8
ENSMUSG00000020180.10	8922.408384	0.162190065	0.001567849	0.005709927	Snrpd3
ENSMUSG00000068262.4	20546.10188	-0.146594601	0.001568475	0.005711251	RP23-4F16.9
ENSMUSG00000025066.9	9040.645605	0.154900214	0.001569658	0.005714598	Sfr1
ENSMUSG00000025907.14	2022.448477	0.240959578	0.00157156	0.005720563	Rb1cc1
ENSMUSG00000029193.7	10.36199986	4.206573212	0.001573516	0.005726723	Cckar
ENSMUSG000000087547.1	47.28504743	1.403189364	0.001579524	0.005747623	Platr27
ENSMUSG00000061576.15	514.1957681	0.432318906	0.001581327	0.00575322	Dpp6
ENSMUSG00000056656.6	17.42608152	2.48323939	0.001581626	0.005753345	Apol8
ENSMUSG00000028545.13	140.0102052	-0.798260288	0.001585291	0.005765708	Bend5
ENSMUSG00000022905.12	3723.234364	0.193466805	0.001589059	0.005778443	Kpna1
ENSMUSG00000055240.16	1140.246385	-0.330870316	0.001590334	0.005782112	Zfp101
ENSMUSG00000033068.16	3286.567551	0.207784335	0.001591692	0.005786079	Entpd6
ENSMUSG00000093898.2	326.986843	-0.54697987	0.001593522	0.005791761	RP23-368D4.2
ENSMUSG00000074553.4	643.1667113	0.3889668	0.001594698	0.005795068	RP23-137A20.1
ENSMUSG00000025204.10	3610.091761	0.184094187	0.001598871	0.005808284	Ndufb8
ENSMUSG00000029426.8	3132.283961	-0.194927034	0.001598693	0.005808284	Scarb2
ENSMUSG00000003438.17	5190.728311	0.171969642	0.001599466	0.005809474	Timm50
ENSMUSG00000028809.16	19309.57758	0.122706146	0.001600571	0.005812515	Srrm1
ENSMUSG00000072772.3	630.7865778	-0.384720186	0.001604484	0.005825749	Grcc10
ENSMUSG00000027305.9	661.6837092	0.373446571	0.001605965	0.005829276	Ndufaf1
ENSMUSG00000114424.1	77.21130368	1.12591296	0.001605992	0.005829276	RP23-25A7.4
ENSMUSG00000096917.2	336.3942156	-0.52006576	0.001607795	0.005834844	RP24-445L16.3
ENSMUSG00000057244.6	11507.94865	0.165029805	0.001617752	0.005869997	RP24-161C20.2
ENSMUSG00000031723.8	328.8206464	0.523548915	0.001621142	0.005881314	Txnl4b
ENSMUSG00000026655.15	997.8052282	0.31949409	0.001625175	0.005894962	Fam107b
ENSMUSG00000038208.13	513.1742761	0.433055414	0.001625497	0.005895142	Pgap3
ENSMUSG00000015027.11	617.823104	0.389787045	0.00162675	0.005898703	Gals
ENSMUSG00000025894.11	2696.291413	0.20976036	0.001636536	0.005933194	Aasdhppt
ENSMUSG00000027339.15	1133.922677	-0.300231015	0.001638624	0.005939771	Rassf2
ENSMUSG00000024271.7	8016.268398	0.147581123	0.001639242	0.005941021	Elp2
ENSMUSG00000040699.13	4888.722056	-0.16816322	0.001639536	0.005941095	Limd2
ENSMUSG00000010067.13	518.5893226	0.41826136	0.001641197	0.00594612	Rassf1
ENSMUSG00000040018.9	2231.450351	0.220988284	0.001642026	0.005948132	Cox15
ENSMUSG00000059179.6	501.5252725	-0.428093852	0.001643479	0.005952398	RP24-388A6.2
ENSMUSG00000027792.11	549.7679624	-0.408831431	0.001644329	0.005954484	Bche
ENSMUSG00000073016.3	436.9212814	-0.469663405	0.001646891	0.005962766	Uprt
ENSMUSG00000070394.10	2517.976029	0.216004787	0.001647941	0.005965575	Tmem256
ENSMUSG00000045294.11	2898.092003	0.205131462	0.001657324	0.005998539	Insig1
ENSMUSG00000028455.15	5350.760998	0.176771881	0.001663074	0.006018349	Stoml2
ENSMUSG00000056836.8	756.4977038	0.35743472	0.001666922	0.006031268	AC108424.1
ENSMUSG00000040860.16	4377.499999	-0.180731381	0.001672357	0.006049923	Crocc
ENSMUSG00000038598.9	27.72279267	1.914158639	0.001673431	0.0060528	RP23-211P15.6
ENSMUSG00000022521.10	5857.191754	-0.162067539	0.001674663	0.006056247	Crebbp
ENSMUSG00000047881.14	3199.699862	-0.190814812	0.001675495	0.006058247	Rel1
ENSMUSG00000113651.1	284.1786675	-0.556824391	0.001677227	0.006063499	RP23-288O24.3
ENSMUSG0000007035.15	334.3457378	0.530594909	0.001678053	0.006065474	Msh5
ENSMUSG00000030527.15	225.6193161	-0.714507782	0.00167921	0.006068647	Crtc3
ENSMUSG00000023043.7	722.8829559	-0.384398812	0.00168149	0.006073851	Krt18
ENSMUSG00000025555.14	428.9660382	0.467815782	0.001681474	0.006073851	Farp1
ENSMUSG00000028360.9	51.90803187	-1.321760095	0.001681457	0.006073851	Slc44a5
ENSMUSG00000005078.16	2791.851804	0.20067267	0.001684884	0.006085098	Jkamp
ENSMUSG00000031377.11	55.78851601	-1.283769011	0.001685396	0.006085934	Bmx
ENSMUSG00000027009.18	156.666737	-0.757593739	0.00168702	0.006090784	Itga4
ENSMUSG00000020698.11	69.32980102	1.141868987	0.001688704	0.006094836	Cct6b
ENSMUSG00000020794.13	4084.035797	-0.183454196	0.001688464	0.006094836	Ube2g1
ENSMUSG00000056209.7	3801.278412	-0.18065817	0.001690148	0.006099035	Npm3
ENSMUSG00000060550.15	649.081247	0.389425167	0.001691298	0.006102169	H2-Q7
ENSMUSG00000039385.5	87.04152896	-1.007397245	0.001692373	0.006105035	Cdh6
ENSMUSG00000021241.7	1414.572031	0.283203015	0.00169275	0.006105377	Isca2

ENSMUSG00000038482.11	7148.153507	-0.150188529	0.001693238	0.006106124	Tfdp1
ENSMUSG00000025323.10	1548.690342	0.269455154	0.001697756	0.0061214	Sp4
ENSMUSG00000049124.3	4450.718734	0.217826675	0.001703247	0.006140178	Gm8186
ENSMUSG00000044724.8	10.02412549	4.169371662	0.001713904	0.006177568	Gpr152
ENSMUSG00000071866.12	92231.4876	0.113612908	0.001715444	0.006182093	Ppia
ENSMUSG00000034327.17	1406.923188	0.269442339	0.001719315	0.006195016	Kctd9
ENSMUSG00000096156.1	816.5858059	-0.362014588	0.001721449	0.006201675	RP23-5G10.2
ENSMUSG00000025473.16	154.8253102	0.773400385	0.001722176	0.006203262	Adam8
ENSMUSG00000032101.6	1187.087057	0.294686502	0.001726059	0.006216219	Ddx25
ENSMUSG000000103986.1	5158.187927	0.182422441	0.001734541	0.00624573	RP23-174P13.4
ENSMUSG00000037661.14	62.14506893	1.312390346	0.001736632	0.00625222	Gpr160
ENSMUSG00000050891.9	670.1284045	0.37138453	0.001738114	0.006256518	Tatdn1
ENSMUSG00000025484.9	461.7529799	0.462130949	0.0017435	0.006274863	Bet1l
ENSMUSG000000116226.1	94.85001378	-0.966636409	0.00174668	0.006285268	RP24-291F2.3
ENSMUSG00000023009.14	1154.122763	0.288328948	0.001747273	0.00628636	Nckap5l
ENSMUSG000000113216.1	10.14774149	5.227407096	0.00174855	0.006289911	RP23-128M23.2
ENSMUSG00000027466.15	3720.377457	-0.203747639	0.001755883	0.006315241	Rbck1
ENSMUSG00000020493.8	2485.998824	0.23235831	0.001756362	0.00631592	Prr11
ENSMUSG000000107278.1	113.9336192	-0.903557775	0.001758548	0.006322731	RP24-478I22.8
ENSMUSG00000044795.12	1185.63585	0.291573706	0.001762982	0.006337625	Cyb5d1
ENSMUSG00000073982.11	745.8563553	0.356413086	0.001765085	0.006344134	Rhog
ENSMUSG00000059182.7	485.0352998	0.431728132	0.001766978	0.006349885	Skap2
ENSMUSG00000073705.10	1311.032176	0.286181646	0.001769611	0.006358295	Apitd1
ENSMUSG000000107952.1	571.7197112	-0.399919518	0.001771968	0.006365709	RP23-315F23.1
ENSMUSG00000055202.10	912.7317234	0.319242653	0.001773001	0.006368368	Zfp811
ENSMUSG00000023991.16	2611.943496	-0.213139506	0.001778496	0.006387047	Foxp4
ENSMUSG00000031493.10	114.0680307	0.884544288	0.001782641	0.006399814	Ggn
ENSMUSG00000034300.16	2595.837297	0.207611907	0.001782465	0.006399814	Fam53c
ENSMUSG00000039831.16	2449.211225	-0.234550324	0.001785721	0.00640981	Arhgap29
ENSMUSG00000021464.14	2158.519865	-0.222044708	0.001787605	0.006415511	Ror2
ENSMUSG00000042043.6	4691.800953	0.19771674	0.001788132	0.006416344	Tbca
ENSMUSG00000059475.13	991.9074815	0.312199922	0.001791572	0.006427622	Zfp426
ENSMUSG00000004044.9	1294.029402	-0.273007637	0.0017947	0.006437783	Ptrf
ENSMUSG00000021973.9	1245.807238	0.287251399	0.001799209	0.00645289	Micu2
ENSMUSG00000027805.16	1593.987112	-0.252677331	0.001802063	0.006462056	Pfn2
ENSMUSG00000055493.4	73.06522372	1.097769344	0.001814428	0.006505321	Epm2a
ENSMUSG00000018983.9	542.133414	-0.434758801	0.00181562	0.006508522	E2f2
ENSMUSG00000017314.12	1720.079215	-0.259451631	0.00182088	0.006526298	Mpp2
ENSMUSG00000085783.3	2347.54694	0.225013803	0.001823489	0.006534571	RP24-200D20.2
ENSMUSG00000035681.7	91.93991048	-0.976175674	0.001824212	0.006536081	Kcnc2
ENSMUSG00000036622.15	4277.524321	0.177702525	0.001829229	0.006552978	Atp13a2
ENSMUSG00000018844.6	25.39919267	2.009794002	0.001830139	0.006555154	Fndc8
ENSMUSG00000083718.2	171.4577956	-0.719995716	0.001832531	0.006562639	Ccnb2-ps
ENSMUSG00000014503.14	127.4744589	-0.827373755	0.001837659	0.006579917	Pkd2l2
ENSMUSG00000023191.9	459.5177463	-0.4457433	0.001843039	0.00659809	P3h3
ENSMUSG00000032382.14	2172.371804	0.22450434	0.001852247	0.006629962	Snx1
ENSMUSG00000097493.3	71.12799344	-1.176977745	0.001855662	0.006641091	RP23-108H23.2
ENSMUSG000000104986.1	38.10496965	1.651662622	0.00185715	0.006645321	RP23-7E4.9
ENSMUSG00000093445.7	20.67770053	2.200157621	0.001859195	0.00665154	Lrch4
ENSMUSG00000029110.13	5848.183784	0.155132458	0.001864759	0.006670349	Rnf4
ENSMUSG000000100257.1	10.01985123	5.203842626	0.001867996	0.006680827	C4bp-ps1
ENSMUSG00000005103.12	4242.941922	-0.171543349	0.001868385	0.006681115	Wdr1
ENSMUSG00000029415.4	5538.875973	-0.163363804	0.001877786	0.006713626	Sdad1
ENSMUSG00000020640.10	2642.682286	0.212067742	0.001884119	0.006735159	Itsn2
ENSMUSG000000045103.17	1208.502888	-0.279797582	0.001885727	0.006739797	Dmd
ENSMUSG00000039089.15	1434.57665	-0.272462056	0.001887815	0.006746148	L3mbtl3
ENSMUSG00000044211.9	2084.400745	0.230696081	0.00188845	0.006747307	RP24-124B23.7
ENSMUSG00000040254.11	264.4709846	-0.58042148	0.001890766	0.00675359	Sema3d
ENSMUSG00000068267.5	2426.874024	0.217890065	0.001890831	0.00675359	Cenpb
ENSMUSG000000108053.1	222.9552503	-0.628545637	0.001902122	0.006792799	RP24-317F6.7
ENSMUSG00000001964.14	3942.863826	0.195696474	0.001903877	0.006797949	Emd
ENSMUSG00000052423.14	1413.705708	-0.26594424	0.00190433	0.006798449	B4galt3
ENSMUSG00000026502.13	4948.647717	-0.175012398	0.001905664	0.00680209	Desi2
ENSMUSG00000048721.2	149.5227803	-0.758547185	0.001909484	0.006814605	Fndc9
ENSMUSG00000071659.3	9910.200439	-0.135217985	0.001912359	0.006823744	Hnrrnpul2
ENSMUSG00000097540.1	51.13814615	-1.332578474	0.001917238	0.006840029	1700037F24Rik
ENSMUSG00000027193.12	10072.90597	0.13660097	0.001919574	0.006847238	Api5
ENSMUSG00000095362.7	1228.330935	-0.291075673	0.001922258	0.006855685	RP23-275N21.2
ENSMUSG00000027566.15	11048.58027	0.142512218	0.001928754	0.006877722	Psm7
ENSMUSG00000038622.8	1283.617165	0.274187742	0.001933379	0.006893082	Med30

ENSMUSG00000051980.13	22.74717373	-2.037379107	0.001943899	0.00692945	Casr
ENSMUSG00000022009.1	927.6873373	0.318173747	0.001947787	0.006941665	Nufip1
ENSMUSG00000034349.14	8108.40529	-0.152293903	0.001947965	0.006941665	Smc4
ENSMUSG00000058076.12	3721.787803	0.182058055	0.001953297	0.006959521	Sdhc
ENSMUSG00000022671.13	1325.046261	0.271413592	0.001954633	0.00696314	Mzt2
ENSMUSG00000024758.14	16468.26582	-0.125522523	0.00195903	0.006977657	Rtn3
ENSMUSG00000054823.16	2943.991236	0.202912538	0.001965206	0.006998506	Nsd3
ENSMUSG00000029804.17	1295.226985	-0.2749431	0.001966075	0.007000454	Herc3
ENSMUSG00000009621.18	2707.158501	0.205768669	0.001968292	0.007007197	Vav2
ENSMUSG00000087269.1	36.92191692	1.579230668	0.001969512	0.007010389	RP23-32C16.1
ENSMUSG00000025893.8	175.4215776	0.708802374	0.001977928	0.007039191	Kbtbd3
ENSMUSG00000040726.10	114.0631131	-0.962095228	0.001985729	0.007065795	Hesx1
ENSMUSG00000020230.15	901.5979431	0.31766992	0.001997037	0.007104868	Prmt2
ENSMUSG00000035713.15	649.8093615	0.369389862	0.002001032	0.007117913	Usp35
ENSMUSG00000028165.9	2104.980608	-0.223029903	0.002002678	0.007122603	Cisd2
ENSMUSG00000052557.11	1641.518691	0.269194319	0.002003858	0.007125632	Gan
ENSMUSG00000041889.7	128.4161075	-0.885570238	0.002004883	0.007128108	Shisa4
ENSMUSG00000037730.13	1144.544436	0.288590993	0.002006941	0.007134258	Mynn
ENSMUSG00000018378.13	401.7917087	-0.509820256	0.002015097	0.007162076	Cuedc1
ENSMUSG00000029401.8	606.8516018	0.380688111	0.00201838	0.007172571	Rilpl2
ENSMUSG00000017400.10	334.6957363	0.536631728	0.002023606	0.007189964	Stac2
ENSMUSG00000029861.17	639.9959137	-0.372942997	0.002024046	0.007190351	Fam131b
ENSMUSG00000081255.1	29.0668372	-1.765551142	0.002025863	0.007195625	RP23-158L19.6
ENSMUSG00000099471.1	7417.006831	-0.193778959	0.002026505	0.00719673	RP23-323H18.3
ENSMUSG00000072421.4	877.5950288	0.329522862	0.002027939	0.007200644	RP24-491A6.1
ENSMUSG00000003545.3	41.64508376	1.466046457	0.002029395	0.007204634	Fosb
ENSMUSG00000024601.8	2641.093582	-0.203255556	0.002033873	0.007219351	Isoc1
ENSMUSG00000021900.10	416.5295478	-0.466818176	0.002038456	0.007234437	Btd
ENSMUSG00000036875.15	2209.790464	-0.221503618	0.002048989	0.007270627	Dna2
ENSMUSG00000030735.6	2505.093452	0.215920758	0.002058798	0.007304241	RP24-418L21.1
ENSMUSG00000040022.14	302.3276463	-0.529524529	0.002060482	0.007309018	Rab11fip2
ENSMUSG00000047030.15	2047.655477	0.224275501	0.002062043	0.00731336	Spata2
ENSMUSG00000078453.3	1242.359454	-0.282685113	0.002062592	0.007314115	Abracl
ENSMUSG00000027737.10	6350.075852	-0.149867443	0.002064888	0.007319861	Slc7a11
ENSMUSG00000099632.1	81.38396246	1.088554583	0.00206476	0.007319861	RP23-117O11.4
ENSMUSG00000022139.17	542.4952773	-0.401606899	0.002066811	0.007325482	Mbnl2
ENSMUSG00000006191.17	665.3956004	0.363924429	0.002071969	0.007342565	Cdkal1
ENSMUSG00000006276.10	3087.751758	0.202485088	0.002076724	0.007358215	Eps15l1
ENSMUSG00000063065.13	4553.979148	-0.168229136	0.002078898	0.007364713	Mapk3
ENSMUSG00000054910.5	42.07458381	1.491482143	0.002080215	0.007368179	AC127677.1
ENSMUSG00000021067.8	1218.903354	-0.28431795	0.002082868	0.007376372	Sav1
ENSMUSG00000043866.11	3302.340073	0.209341135	0.002085282	0.007383713	Taf10
ENSMUSG00000040663.8	121.0026665	-0.837920807	0.002092341	0.007407501	Clcf1
ENSMUSG00000067713.7	429.7850284	0.452571358	0.002094527	0.007414029	Prkag1
ENSMUSG00000032932.15	2709.862723	0.201798444	0.002101592	0.007437825	Hspa13
ENSMUSG00000102824.1	377.5980226	0.481859377	0.002105036	0.007448801	RP23-411B11.2
ENSMUSG00000027007.16	1165.911197	0.282706015	0.002108831	0.007461011	Ssfa2
ENSMUSG00000087480.1	13.32499424	2.887563788	0.002113521	0.007476388	RP23-455J6.2
ENSMUSG00000003531.15	1818.515714	0.249080801	0.002116076	0.007484206	Dgcr6
ENSMUSG00000039682.12	5854.945442	0.15508828	0.002118949	0.007493145	Lap3
ENSMUSG00000005779.12	9130.035991	0.137029379	0.002124504	0.007511566	Psmb4
ENSMUSG00000085936.7	2098.600931	-0.223349677	0.002132536	0.007538736	RP23-143O13.1
ENSMUSG00000048921.11	318.0268509	-0.524163254	0.002134751	0.007545337	Zfp689
ENSMUSG00000108659.1	19.63041237	2.241332133	0.002138279	0.007556576	RP23-181P23.4
ENSMUSG00000030772.6	251.7347688	-0.582449646	0.002143643	0.007574297	Dkk3
ENSMUSG00000074923.10	193.7067589	-0.662774258	0.002144899	0.007577501	Pak6
ENSMUSG00000022292.16	453.1077758	0.457318707	0.002148385	0.007588582	Rrm2b
ENSMUSG00000028857.16	2181.106557	0.220139266	0.002149409	0.007590965	Tmem222
ENSMUSG00000022490.7	1061.04675	-0.298969126	0.002159634	0.007625835	Ppp1r1a
ENSMUSG00000114133.1	3604.843518	-0.178340908	0.002169137	0.007658143	RP24-202N2.3
ENSMUSG00000032579.14	844.9110216	0.333450144	0.002169988	0.007659901	Hemk1
ENSMUSG00000035314.10	249.0302145	-0.599042401	0.00217121	0.007662969	Gdpd5
ENSMUSG00000021385.10	850.9587611	0.329769295	0.002172756	0.007667178	lppk
ENSMUSG00000026827.12	6211.063643	-0.151446547	0.002179424	0.007689458	Gpd2
ENSMUSG00000040383.16	6168.568139	-0.16930251	0.002181086	0.007694073	Aqr
ENSMUSG00000020677.7	4915.922708	0.164125603	0.002182894	0.007699196	Ddx52
ENSMUSG00000071856.10	430.826383	-0.456839987	0.002186153	0.007709439	Mcc
ENSMUSG00000062169.13	2603.909472	0.230102303	0.002186892	0.007710793	Cnih4
ENSMUSG00000062157.6	120.8892137	-0.88970678	0.002193434	0.007732604	Ifnlr1
ENSMUSG00000042763.9	505.0153657	-0.420769277	0.002197446	0.007745489	Maneal

ENSMUSG00000096996.1	267.5222098	-0.560778869	0.002200088	0.007753541	Gm26792
ENSMUSG00000009487.10	44.00977411	-1.400003611	0.002207473	0.007778306	Otog
ENSMUSG00000038679.16	414.5059627	-0.458756299	0.002214984	0.007803505	Trps1
ENSMUSG00000021699.17	942.254875	-0.321613208	0.002216148	0.007806337	Pde4d
ENSMUSG00000034751.16	1260.953855	0.275110669	0.002221906	0.007825351	Mast4
ENSMUSG00000040029.14	8344.607485	-0.141282435	0.002225015	0.007835028	lpo8
ENSMUSG00000070544.6	7479.574498	-0.145007612	0.002226914	0.007840444	Top1
ENSMUSG00000041769.13	4612.676421	0.163947252	0.002236158	0.007871713	Ppp2r2d
ENSMUSG00000032329.4	2558.43056	-0.203421075	0.002236934	0.007873166	Hmg20a
ENSMUSG00000039834.17	905.0850712	0.343715405	0.002238785	0.007878402	Zfp335
ENSMUSG00000026895.7	2304.887105	0.211014011	0.002240035	0.007881523	Ndufa8
ENSMUSG00000038039.13	1212.014602	-0.33471846	0.002242483	0.007888857	Gcc2
ENSMUSG00000072825.11	3463.445121	-0.182799541	0.002244927	0.007896177	Cep170b
ENSMUSG00000033596.5	8462.530309	0.139599995	0.002249755	0.007911877	Rfwd3
ENSMUSG00000038500.15	1045.934602	0.2967849	0.002252915	0.007921705	Prr3
ENSMUSG00000031226.13	2489.833883	0.211404709	0.002254681	0.007926629	Pbdc1
ENSMUSG00000000416.16	238.2570662	-0.599522422	0.002258357	0.007938269	Cttnbp2
ENSMUSG00000028256.16	1140.89117	-0.284383403	0.002260043	0.007942908	Odf2l
ENSMUSG00000043671.14	1835.039221	0.24643487	0.002268794	0.007972371	Dpy19l3
ENSMUSG00000000861.15	647.3272322	-0.381808434	0.002275599	0.007994989	Bcl11a
ENSMUSG00000036376.3	1629.641746	0.245005982	0.00228084	0.0080116	Abt1
ENSMUSG00000097621.1	47.30788094	-1.34970812	0.002281065	0.0080116	RP23-334N8.2
ENSMUSG00000027575.19	1839.98394	-0.231164761	0.002292752	0.008051344	Arfgap1
ENSMUSG00000057554.13	260.3886101	0.57116143	0.002296393	0.008062825	Lgals8
ENSMUSG00000046934.5	152.9526541	0.744659606	0.002301592	0.008079773	Csl
ENSMUSG00000040128.9	2361.527159	-0.225526073	0.002302557	0.008081853	Pnrc1
ENSMUSG00000030677.8	4804.271378	0.163404086	0.002307656	0.008098439	Kif22
ENSMUSG00000081792.4	2252.384426	-0.212653345	0.002309067	0.00810208	Anp32b-ps1
ENSMUSG00000030498.15	215.058229	0.689644758	0.002317068	0.008127526	Gas2
ENSMUSG00000056771.7	139.1800617	0.807739553	0.002316822	0.008127526	RP24-363O21.4
ENSMUSG00000020114.12	8101.240277	0.14038866	0.002320817	0.00813936	Cand1
ENSMUSG000000101856.1	40.9192315	1.479670411	0.002324131	0.008149668	RP23-405O11.1
ENSMUSG00000054901.7	18.40687773	2.433206089	0.002325082	0.008151684	Arhgef33
ENSMUSG00000026558.13	11677.86679	-0.13339463	0.002332011	0.008174659	Uck2
ENSMUSG00000034412.13	1164.59543	0.285102754	0.00233432	0.00818143	Tbc1d10a
ENSMUSG00000083692.1	850.2676152	0.343318322	0.002339401	0.008197914	RP24-240E9.1
ENSMUSG000000112693.1	491.2101143	0.431697389	0.002343513	0.008210997	RP24-84O13.9
ENSMUSG00000080777.1	1562.321131	0.246713147	0.002344223	0.008212161	RP23-459K15.13
ENSMUSG00000002846.9	1689.028799	0.239136292	0.002349057	0.008227764	Timmdc1
ENSMUSG00000033107.5	148.0487211	-0.748466513	0.002351416	0.008234698	Rnf125
ENSMUSG00000031125.2	841.7511922	0.334776771	0.002353262	0.008239835	RP23-135I10.1
ENSMUSG00000062758.6	4807.914278	0.17254373	0.002354322	0.008242216	RP23-368F23.3
ENSMUSG00000066704.6	59.55156655	-1.189798733	0.002361248	0.008265131	Cyp2b19
ENSMUSG00000046818.7	204.4928494	-0.652511626	0.002368746	0.008290037	Ddit4l
ENSMUSG00000032562.13	16802.88413	0.123093173	0.002372675	0.008299669	Gnai2
ENSMUSG00000033278.10	296.6468832	-0.576957968	0.002371915	0.008299669	Ptprm
ENSMUSG00000036632.9	1139.778362	0.331537913	0.002372954	0.008299669	Alg5
ENSMUSG00000053841.15	6506.932824	0.148914895	0.002373028	0.008299669	Txlna
ENSMUSG000000100514.1	799.4898828	-0.343518523	0.002378762	0.008318384	RP23-342E4.2
ENSMUSG00000038646.13	2178.219264	0.225079329	0.00238933	0.008353995	Fam103a1
ENSMUSG00000027317.8	21.19960591	2.115726568	0.002392276	0.008362947	Ppp1r14d
ENSMUSG000000110060.1	26.88421805	-1.880190442	0.002401221	0.008392866	RP23-64O4.4
ENSMUSG00000031924.4	7968.694129	0.141370925	0.00240695	0.008410181	Cyb5b
ENSMUSG00000048379.9	1798.989412	-0.240327913	0.002406663	0.008410181	Socs4
ENSMUSG00000005505.12	232.6704628	0.595072185	0.002408745	0.008415097	Kbtbd4
ENSMUSG00000005374.13	6622.399756	0.153254548	0.002409804	0.008417442	Tbl2
ENSMUSG00000033845.13	3766.232372	0.175369027	0.002410967	0.00842015	Mrpl15
ENSMUSG00000027597.15	21862.56666	-0.115232004	0.002416817	0.008439223	Ahcy
ENSMUSG00000029191.16	7882.901203	0.144564505	0.00242124	0.008453306	Rfc1
ENSMUSG00000020745.15	13258.56131	-0.131704228	0.002422259	0.008455505	Pafah1b1
ENSMUSG00000024140.9	290.9304598	0.54441059	0.002423741	0.008459318	Epas1
ENSMUSG00000038910.6	468.9113144	-0.430099068	0.002434088	0.008494062	Plcl2
ENSMUSG00000024099.14	4677.275556	0.166549984	0.002438068	0.008505216	Ndufv2
ENSMUSG00000090125.3	1063.339225	-0.323027649	0.002437934	0.008505216	Pou3f1
ENSMUSG00000038859.7	696.22935	0.354387273	0.00243851	0.00850539	Baiap2l1
ENSMUSG00000048040.8	5083.246364	-0.163392873	0.002443754	0.008522314	Arxes2
ENSMUSG00000052726.15	508.8727469	-0.408082913	0.002456203	0.00856435	Kcnt2
ENSMUSG00000029687.16	6101.497997	-0.158986821	0.002459384	0.008574065	Ezh2
ENSMUSG00000038733.13	8264.850477	-0.146071181	0.002473004	0.008620164	Wdr26
ENSMUSG00000081643.1	1840.601705	0.25104232	0.002478711	0.008638668	RP23-388B5.1

ENSMUSG00000047953.7	13.05973882	3.130770878	0.002480313	0.008642865	Gp5
ENSMUSG00000051747.14	220.0013634	0.631389153	0.002482448	0.008648915	Ttn
ENSMUSG00000075054.5	1652.924732	-0.242159252	0.002483762	0.008652102	Yae1d1
ENSMUSG00000022787.10	398.8819978	0.467643328	0.002487927	0.008665221	Wdr53
ENSMUSG00000036111.8	75.91507834	-1.068637059	0.00249262	0.008678782	Lmo1
ENSMUSG00000083179.3	1142.218879	0.280013086	0.002492267	0.008678782	RP23-135A21.1
ENSMUSG00000028607.16	1108.582062	-0.283948562	0.002494815	0.008685031	Cpi2
ENSMUSG00000092593.1	58.68834913	-1.207644714	0.002495369	0.008685564	RP24-341K21.5
ENSMUSG00000031822.20	1526.887057	-0.265018733	0.002499323	0.008697932	Gse1
ENSMUSG00000022109.6	1203.488993	0.273364208	0.002503811	0.008712155	Med4
ENSMUSG00000046487.6	10.29541812	3.58032486	0.002507059	0.008722058	Mospd4
ENSMUSG00000054477.15	159.8101567	-0.770178313	0.002508167	0.008724514	Kcnn2
ENSMUSG00000038383.16	2321.181258	0.221555904	0.002510696	0.00873191	Pigu
ENSMUSG00000025766.14	338.7939448	-0.499259657	0.002511829	0.008734453	D3ErtD751e
ENSMUSG00000040043.16	1579.676816	-0.244766549	0.002516734	0.008750107	Rbms2
ENSMUSG00000048612.16	249.6859873	-0.590558699	0.002519202	0.008757285	Myof
ENSMUSG00000038312.10	1628.876322	0.245783344	0.00252793	0.008784809	Edm2
ENSMUSG00000066042.4	731.4198864	0.34769816	0.002527691	0.008784809	Med18
ENSMUSG00000003555.7	9.317295588	5.103538088	0.002529008	0.00878715	Cyp17a1
ENSMUSG00000020732.13	97.86802583	0.926961784	0.0025371	0.008811744	Rab37
ENSMUSG00000028538.12	821.8079228	0.329547335	0.002536785	0.008811744	St3gal3
ENSMUSG00000040321.3	2039.068053	-0.237367016	0.002537635	0.008811744	Zfp770
ENSMUSG00000062590.13	652.3384207	0.36165297	0.002537711	0.008811744	Armc9
ENSMUSG000000065767.1	41.11708423	1.439763773	0.00253836	0.008812589	Gm23849
ENSMUSG00000009075.2	241.9328792	-0.583947617	0.002543479	0.008828949	Cabp7
ENSMUSG00000025921.7	714.8104747	-0.35287448	0.002544193	0.008830012	Rdh10
ENSMUSG00000026031.15	1527.637862	0.249532536	0.002547934	0.008841583	Cflar
ENSMUSG00000085773.3	208.4162083	-0.680481163	0.002550007	0.008847361	AC115855.2
ENSMUSG00000002010.17	3987.314001	-0.178420679	0.002551348	0.008850599	ldh3g
ENSMUSG00000075514.4	100.7040421	-0.935494479	0.002555635	0.008864053	RP23-177L19.1
ENSMUSG00000021996.16	2578.530589	0.211767688	0.002559525	0.008875117	Esd
ENSMUSG00000047497.10	186.24458	-0.680158826	0.002559642	0.008875117	Adamts12
ENSMUSG00000033837.5	3018.910197	-0.194435266	0.002561164	0.008878975	Foxh1
ENSMUSG00000099021.1	171.0668873	0.764264593	0.002567388	0.008897708	Rn7s1
ENSMUSG00000099250.1	171.0668873	0.764264593	0.002567388	0.008897708	Rn7s2
ENSMUSG00000022686.14	1091.997588	-0.29615684	0.002571752	0.00891141	B3gnt5
ENSMUSG00000043300.2	304.588142	-0.518047154	0.002572889	0.008913928	B3galnt1
ENSMUSG00000023055.10	2857.648265	0.192720419	0.002573813	0.008915703	Calcoco1
ENSMUSG000000031160.4	465.2754042	-0.420704459	0.002580477	0.008937361	Eras
ENSMUSG00000025745.12	4556.606406	0.16388556	0.002580954	0.008937588	Hadha
ENSMUSG00000036833.16	1068.522965	-0.287813624	0.002584447	0.008945661	Pnpla7
ENSMUSG00000041702.7	3841.032571	-0.183205976	0.002584492	0.008945661	Btbd7
ENSMUSG00000081232.3	1171.169209	0.288576744	0.002584522	0.008945661	RP23-317B9.1
ENSMUSG00000054514.3	52.12388339	1.261444613	0.00258833	0.008957412	Atad3aos
ENSMUSG00000044566.15	53.66979749	1.258164745	0.002591385	0.008966556	Cage1
ENSMUSG00000048007.4	5554.011811	0.155661809	0.002596301	0.008982135	Timm8a1
ENSMUSG00000020738.16	20204.45213	0.117031791	0.002597316	0.008984212	Sumo2
ENSMUSG000000062116.10	395.1362949	0.478276487	0.002610449	0.009028203	Zfp954
ENSMUSG00000082776.3	11.09471028	3.247845651	0.002612522	0.00903393	RP23-9K14.3
ENSMUSG00000026436.15	1218.769989	0.295346412	0.002614768	0.009040259	Elk4
ENSMUSG00000031787.8	1815.321479	0.238413056	0.002617278	0.009047494	Katnb1
ENSMUSG00000009092.5	92.02451409	-0.988041331	0.002618785	0.009051262	Derl3
ENSMUSG00000034211.14	2292.578694	0.214502691	0.002623842	0.009067295	Mrps17
ENSMUSG00000004843.7	1766.293735	0.233562135	0.002625061	0.009070064	Chmp2b
ENSMUSG000000083856.1	536.066746	-0.39578602	0.002627457	0.009076898	RP23-189F6.3
ENSMUSG00000030790.15	251.9001228	-0.661582349	0.002631663	0.009087087	Adm
ENSMUSG00000048486.6	695.9930955	-0.348430113	0.002630944	0.009087087	Fitm2
ENSMUSG00000049904.7	429.5814786	-0.445362849	0.002631503	0.009087087	Tmem17
ENSMUSG00000047013.15	163.1947057	-0.769778184	0.002632576	0.009088794	Fbxo41
ENSMUSG00000021298.8	23.03414464	2.054664151	0.002633477	0.009090461	Gpr132
ENSMUSG00000031139.15	557.7509542	0.387485426	0.002638297	0.009105327	Mcf2
ENSMUSG00000043618.9	4377.447922	0.167833159	0.002638869	0.009105327	Eif5a13-ps
ENSMUSG000000091509.7	256.6808167	-0.56818097	0.002639043	0.009105327	RP23-31514.2
ENSMUSG000000105063.1	15.83955598	2.510327996	0.002648637	0.009136976	RP23-137F6.5
ENSMUSG00000027654.2	1252.878936	0.274157939	0.002649174	0.009137378	Fam83d
ENSMUSG00000045482.16	10332.5578	-0.153347879	0.002653344	0.009150305	Trrap
ENSMUSG00000039236.18	19.45065563	2.229694814	0.002655733	0.00915709	lsg20
ENSMUSG00000037822.12	905.2516367	-0.31585774	0.002659329	0.009168031	Smim14
ENSMUSG00000036555.14	728.7576646	-0.34141917	0.002660081	0.009169169	Iqce
ENSMUSG00000040007.8	1368.394676	0.275446948	0.002661276	0.009171831	Bahd1

ENSMUSG00000023367.14	233.3441246	-0.590100512	0.002665201	0.009183898	Tmem176a
ENSMUSG000000082394.1	525.0336793	0.423435734	0.002666473	0.009186822	AC025622.3
ENSMUSG000000048148.18	33.92445902	-1.671736433	0.002669386	0.009195398	Nwd1
ENSMUSG000000037410.13	593.3727636	0.379675582	0.002670991	0.009199468	Tbc1d2b
ENSMUSG00000001143.13	3188.023685	0.194095	0.002675105	0.009212174	Lman2l
ENSMUSG000000021496.12	358.3474535	0.514878215	0.002680026	0.009227658	Pcbd2
ENSMUSG000000101639.1	23.01419211	-1.960905466	0.002681528	0.009231363	RP24-497L5.5
ENSMUSG000000030510.11	24.88583581	1.88855212	0.002683847	0.009237718	Cers3
ENSMUSG000000081787.1	447.7265814	0.428638496	0.002684225	0.009237718	RP23-232J15.1
ENSMUSG000000026623.16	4689.081453	-0.162337855	0.002689009	0.009252715	Lpgat1
ENSMUSG000000099879.1	37.92859364	1.535017287	0.002689581	0.009253216	RP23-99I11.2
ENSMUSG000000034391.11	102.9065344	0.904664744	0.002692869	0.009263048	Fbxo15
ENSMUSG000000092260.7	136.0796865	0.807241579	0.002693292	0.009263048	Zfp963
ENSMUSG000000115338.2	1300.888763	0.262645364	0.002693886	0.00926362	Pnp
ENSMUSG000000025422.9	182.8393938	-0.674733093	0.002696702	0.009271837	Agap2
ENSMUSG000000045799.6	13051.37966	0.141741226	0.002700305	0.009282753	RP23-239P22.2
ENSMUSG000000109147.1	30.8878812	1.669939108	0.002709413	0.009312589	RP24-346B15.3
ENSMUSG00000000594.7	3274.521599	0.186895688	0.002709895	0.009312771	Gm2a
ENSMUSG000000048731.14	343.1659048	0.49123993	0.002717408	0.00933711	Ggnbp1
ENSMUSG000000023224.12	122.354928	-0.82642614	0.002720545	0.009346409	Serping1
ENSMUSG000000044279.15	308.3466661	-0.528735848	0.00273311	0.009388089	Crb3
ENSMUSG000000029283.17	2912.924643	-0.197854943	0.002741736	0.009416228	Cdc7
ENSMUSG000000025578.9	203.3373653	0.636824152	0.002745797	0.009428685	Cbx8
ENSMUSG000000029552.19	1523.319608	-0.244374561	0.002746955	0.009431168	Tes
ENSMUSG000000037348.15	262.4907944	-0.558501323	0.002752568	0.009448793	Paqr7
ENSMUSG000000112758.1	9.223906956	4.039532596	0.002752959	0.009448793	RP23-113B7.3
ENSMUSG000000022962.15	15660.42302	0.119662175	0.002755091	0.009454613	Gart
ENSMUSG000000037824.6	3142.842807	-0.18530841	0.002760673	0.009472271	Tspan14
ENSMUSG000000018570.17	414.5994748	0.448321056	0.002761663	0.009473205	RP23-172M21.16
ENSMUSG000000025738.7	603.7942064	-0.374585593	0.002761818	0.009473205	Fbxl16
ENSMUSG000000028040.7	579.7887308	-0.379043481	0.002769149	0.009496852	Efna4
ENSMUSG000000026837.15	2593.312531	-0.201300595	0.002773186	0.009509193	Col5a1
ENSMUSG000000040323.13	1412.204485	0.252231958	0.002776963	0.009520639	AC133589.1
ENSMUSG000000024174.8	1191.22468	0.288059089	0.002777555	0.009521165	Pot1b
ENSMUSG000000086316.8	697.5871947	-0.351951869	0.002784047	0.009541912	RP23-106P7.2
ENSMUSG000000045534.4	52.97434241	-1.259486152	0.002786197	0.009547772	Kcna5
ENSMUSG000000007837.11	217.9862172	0.609843632	0.002800457	0.009595125	Prrg2
ENSMUSG000000020163.12	3411.419814	0.232716285	0.002809673	0.009624122	Uqcr11
ENSMUSG000000055720.10	1643.586319	0.243296235	0.002809807	0.009624122	Ubl7
ENSMUSG000000043702.9	1086.897823	0.284675765	0.002811659	0.009628944	Pde12
ENSMUSG000000047649.9	1250.103306	0.267211357	0.0028126	0.009630649	Cd3eap
ENSMUSG000000031993.7	2703.670003	0.193411856	0.002813297	0.009631516	Snx19
ENSMUSG00000001228.14	11485.96945	0.125512224	0.0028207	0.009655336	Uhrf1
ENSMUSG000000081669.1	1942.104356	-0.225437612	0.002821459	0.009656411	Npm3-ps1
ENSMUSG000000047583.9	245.7442562	-0.594275381	0.002824733	0.009666093	Tyw3
ENSMUSG000000052534.15	3751.389282	-0.176087057	0.002825303	0.00966652	Pbx1
ENSMUSG000000052248.16	91.05684976	-0.969683823	0.002830208	0.009681773	Zeb2os
ENSMUSG000000000751.13	15008.97832	0.121995514	0.002831201	0.009683645	Rpa1
ENSMUSG000000056394.17	9048.582611	-0.132637724	0.002835852	0.009698023	Lig1
ENSMUSG000000108607.2	12.95169186	2.850317833	0.002846713	0.009733631	RP23-455C13.4
ENSMUSG000000029312.12	651.0407692	-0.359613959	0.002851456	0.009748313	Klhl8
ENSMUSG000000031555.15	3392.30274	-0.193691571	0.002855987	0.009762267	Adam9
ENSMUSG000000017723.11	1124.534838	-0.298115635	0.002857561	0.00976611	Wfdc2
ENSMUSG000000030259.12	965.4644646	-0.299828886	0.00285827	0.009766995	Rassf8
ENSMUSG000000074280.6	9387.131586	-0.141676678	0.002864517	0.009786799	RP23-371B13.4
ENSMUSG000000006456.10	2692.957167	0.193925247	0.002876775	0.009825585	Rbm14
ENSMUSG000000040433.16	359.2456213	-0.473437017	0.002876497	0.009825585	Zbtb38
ENSMUSG000000048142.9	525.4423261	-0.392459835	0.00288755	0.009860837	Nat8l
ENSMUSG000000039048.15	1684.046598	0.238511669	0.002890352	0.009868852	Foxred1
ENSMUSG000000038248.8	444.7269796	-0.428582517	0.002891297	0.009870524	Sobp
ENSMUSG000000027109.16	3467.295331	-0.186447144	0.00289691	0.009888132	Sp3
ENSMUSG000000030987.5	4645.50452	0.163089841	0.002916074	0.009951979	Stim1
ENSMUSG000000048087.6	22455.34008	-0.112167033	0.002925029	0.009980972	RP23-300H4.1
ENSMUSG000000026197.12	596.8065039	0.372996518	0.002927571	0.009987773	Zfand2b
ENSMUSG000000037868.15	231.5364397	-0.592356873	0.002927943	0.009987773	Egr2
ENSMUSG000000045948.8	1253.54671	0.266924636	0.002936549	0.010014264	Mrps12
ENSMUSG000000059146.12	246.6196917	-0.565327815	0.002936631	0.010014264	Ntrk3
ENSMUSG000000103697.1	75.93580519	-1.048293185	0.002944492	0.01003949	RP23-423B1.6
ENSMUSG000000025171.1	427.7118219	0.435129393	0.002947696	0.010048839	Ubt1
ENSMUSG000000029162.15	815.9915247	0.321203878	0.00294864	0.010050476	Khk

ENSMUSG00000054136.6	16.75422093	-2.319119848	0.002952063	0.010060563	Adm2
ENSMUSG00000005682.9	2186.61077	-0.209605834	0.002953525	0.010063966	Pan2
ENSMUSG00000068744.12	1918.804149	-0.221649591	0.002955014	0.01006746	Psrc1
ENSMUSG00000037845.14	149.4356638	-0.721299094	0.002960181	0.010083478	Fdxacb1
ENSMUSG00000054708.17	451.0309791	0.430361789	0.002961597	0.010086719	Ankrd24
ENSMUSG000000110631.1	3840.281697	-0.171905298	0.002968017	0.010106999	RP24-286J21.7
ENSMUSG00000020647.10	1309.710789	-0.262994168	0.002977921	0.010139136	Ncoa1
ENSMUSG00000006369.14	4807.186943	-0.181611085	0.002979968	0.010144511	Fbln1
ENSMUSG00000003436.11	645.4326617	-0.36801165	0.00298061	0.010145106	Dil3
ENSMUSG00000022793.17	249.7578867	-0.581929123	0.002985718	0.010160899	B4galt4
ENSMUSG00000040972.8	107.265023	-0.869380607	0.002987345	0.010164841	Igsf21
ENSMUSG00000084170.1	408.0117042	0.452754294	0.002995885	0.010192304	RP23-81P12.6
ENSMUSG000000110964.1	1279.070836	-0.26596892	0.003001958	0.010211363	RP24-84H10.9
ENSMUSG00000032221.14	980.9701032	-0.297877326	0.003003271	0.010214228	Mns1
ENSMUSG00000020671.9	3906.932808	-0.171923475	0.00301296	0.010245575	Rab10
ENSMUSG00000027809.14	1157.452708	0.279421257	0.003014062	0.010247718	Etfhd
ENSMUSG00000030124.2	243.4294225	-0.589244413	0.003017815	0.010258869	Lag3
ENSMUSG00000038506.13	752.8829587	0.342163902	0.003028306	0.010292922	Dcun1d2
ENSMUSG000000111088.1	99.10561871	0.978787801	0.003038979	0.010327578	RP24-175C20.10
ENSMUSG00000022415.12	912.5761408	-0.31388563	0.003048256	0.010357483	Syngn1
ENSMUSG00000033184.14	7799.089806	-0.136853911	0.003054789	0.010378058	Tmed7
ENSMUSG00000030717.9	28.64177378	-1.702905124	0.003062368	0.010402176	Nupr1
ENSMUSG00000034931.15	5135.108102	0.16613784	0.00306468	0.010408403	Dhx8
ENSMUSG00000044201.9	1074.819002	0.287088664	0.003065347	0.010409038	Cdc25c
ENSMUSG000000014245.8	715.4503023	-0.339793189	0.00307831	0.010449786	Pigl
ENSMUSG00000073888.13	204.3881568	0.635001816	0.003077934	0.010449786	Ccl27a
ENSMUSG000000108414.1	8513.816805	0.155875	0.003081097	0.01045761	Snhg1
ENSMUSG00000057614.6	1558.916787	-0.240126585	0.003089742	0.010484731	Gnai1
ENSMUSG00000088025.1	10.65147827	3.649042994	0.003090053	0.010484731	Rprl3
ENSMUSG00000091408.3	203.2958588	0.633219838	0.003097117	0.010507057	RP23-100O18.2
ENSMUSG00000050138.7	63.60742619	-1.155953479	0.003104274	0.01052969	Kcnk12
ENSMUSG00000026273.13	730.051178	0.346687143	0.003104792	0.010529802	Mterf4
ENSMUSG00000069273.2	86.94421405	0.982837245	0.003105539	0.010530689	Hist1h3e
ENSMUSG00000070345.3	18.36793946	2.272732505	0.00310774	0.010536507	Hsf5
ENSMUSG00000053604.5	768.7344055	0.345928274	0.003114432	0.010557546	Rpia
ENSMUSG00000094627.2	1433.954463	0.256832481	0.003122238	0.010582355	RP23-187B11.15
ENSMUSG00000037541.21	460.1765391	-0.424934713	0.003123937	0.010586459	Shank2
ENSMUSG000000112410.1	9.076994325	4.012973156	0.003130944	0.010608546	RP23-149M9.1
ENSMUSG00000004099.16	15521.08735	-0.124612604	0.003138992	0.010634158	Dnmt1
ENSMUSG000000032468.11	1886.613721	0.229852368	0.003141477	0.010640913	Armc8
ENSMUSG00000020926.16	1186.980274	-0.268787866	0.00315477	0.010684272	Adam11
ENSMUSG00000095078.2	276.383464	0.543026702	0.003162791	0.010709767	RP23-181F22.5
ENSMUSG000000104002.2	89.20299527	0.981667798	0.003168091	0.010726041	RP23-348C6.3
ENSMUSG00000063142.15	337.5083376	-0.488879307	0.003179206	0.010761993	Kcnma1
ENSMUSG000000107023.2	68.14381578	-1.077078387	0.003184783	0.010779188	RP24-159C12.7
ENSMUSG00000085998.8	58.83015091	-1.155241602	0.003195952	0.010815306	RP23-451C8.1
ENSMUSG00000038524.13	337.942456	0.486753311	0.003209105	0.010858121	Fchsd1
ENSMUSG00000015542.17	627.4673621	0.359294615	0.003213708	0.010872002	Nat9
ENSMUSG00000042604.5	27.92463241	-1.704577368	0.003215473	0.010876276	Kcna4
ENSMUSG00000037710.8	1661.801443	0.247130128	0.003222205	0.010897349	Cisd1
ENSMUSG00000027244.14	1810.203433	0.225707474	0.003228757	0.010917808	Atg13
ENSMUSG00000032551.7	363.3837674	0.481782524	0.003231171	0.010924268	RP23-438P19.2
ENSMUSG00000033557.17	2776.083776	0.205549527	0.003232637	0.010927522	Fam20b
ENSMUSG00000074916.5	103.0222035	0.872295872	0.003234563	0.01093233	Chst14
ENSMUSG00000023935.9	35.94112071	1.574496227	0.003235114	0.010932488	Spats1
ENSMUSG00000031578.5	1549.367474	0.240041552	0.003239902	0.010946965	Mak16
ENSMUSG00000033938.5	2579.584891	0.203554656	0.00325648	0.011001265	Ndufb7
ENSMUSG00000007777.9	1069.835187	0.291743638	0.003257961	0.011004557	RP23-79E13.7
ENSMUSG00000046295.13	517.5110932	-0.390794697	0.003269087	0.011040418	Ankle1
ENSMUSG00000019785.14	114.2569234	-0.853919827	0.003269897	0.011041434	Clvs2
ENSMUSG00000084910.1	130.3964377	0.775626956	0.003277184	0.01106432	RP24-535M24.3
ENSMUSG00000021379.2	293.0936053	-0.514228622	0.003288831	0.011101914	Id4
ENSMUSG00000024789.12	491.7920781	-0.400594173	0.003293293	0.0111115246	Jak2
ENSMUSG00000076432.13	14535.83167	0.118141757	0.003294824	0.011118686	Ywhaq
ENSMUSG00000061911.15	74.73226057	-1.032072198	0.003309975	0.011168076	Myt1l
ENSMUSG00000074195.3	80.99750498	-1.002903904	0.003315537	0.011185105	Ciqa4b
ENSMUSG00000028629.9	793.9487333	0.345523325	0.003331764	0.0112381	Exo5
ENSMUSG00000025270.13	41.73045972	-1.398578994	0.003334902	0.011246936	Alas2
ENSMUSG00000017291.13	12517.93491	-0.166244783	0.003343554	0.011274364	Taok1
ENSMUSG00000029869.7	815.7636811	-0.316669143	0.003346488	0.011282505	Ephb6

ENSMUSG00000017776.15	9574.677717	0.137488825	0.003348219	0.011284834	Crk
ENSMUSG00000072294.5	157.6581209	-0.69748472	0.003348129	0.011284834	Klf12
ENSMUSG00000031778.13	2742.985674	-0.190210096	0.003370915	0.011359563	Cx3cl1
ENSMUSG00000045962.16	16269.55953	-0.140812216	0.003373057	0.011365019	Wnk1
ENSMUSG00000028158.14	428.1541932	0.430172224	0.003379598	0.01138529	Mttp
ENSMUSG00000050944.14	22.76703649	1.92067342	0.003381775	0.011390856	Efcab5
ENSMUSG00000025157.8	1390.820055	0.264104211	0.003391242	0.011420969	Zdhhc16
ENSMUSG00000037784.14	1806.15258	-0.226377012	0.003395461	0.011433405	Dzip1l
ENSMUSG00000043639.14	218.7147096	-0.594303276	0.00340363	0.011459135	Rbm20
ENSMUSG00000022978.11	1268.136092	0.268019335	0.003407105	0.011469053	Mis18a
ENSMUSG00000047022.18	487.9929671	0.416433534	0.00340869	0.011472287	Mipol1
ENSMUSG00000067736.2	18026.98061	0.138179868	0.003409123	0.011472287	RP23-8J15.6
ENSMUSG00000039068.16	3624.017685	-0.173143989	0.003418188	0.011501009	Zzz3
ENSMUSG00000033416.15	918.7503202	0.301104829	0.003420962	0.01150856	Gucd1
ENSMUSG00000026208.9	152.6335965	-0.706073301	0.00342885	0.011533309	Des
ENSMUSG00000022756.17	49.60980055	-1.244718292	0.003435423	0.011551834	Slc7a4
ENSMUSG000000115738.1	109.7888771	0.843987565	0.003435118	0.011551834	RP24-279I22.1
ENSMUSG000000104719.1	48.27430237	1.288762398	0.003437256	0.011556209	RP23-431M7.4
ENSMUSG00000067370.3	174.4874003	0.684915166	0.003442487	0.011572002	B3galt4
ENSMUSG00000026849.18	1815.490479	0.23230517	0.003454945	0.011612084	Tor1a
ENSMUSG00000003235.13	6102.268856	0.148623194	0.003456402	0.011614324	Eif2b5
ENSMUSG00000021036.10	5450.425686	0.157214089	0.003456682	0.011614324	Sptlc2
ENSMUSG00000079363.7	113.100076	-0.821076764	0.003468809	0.011653265	Gbp4
ENSMUSG00000085112.1	17.87016731	2.217524497	0.003474527	0.011670668	RP23-378L22.2
ENSMUSG00000020485.14	2551.345366	0.207321497	0.003478936	0.011683669	Supt4a
ENSMUSG00000025779.10	32.87269611	1.586529847	0.003486014	0.011703819	Ly96
ENSMUSG00000027997.9	518.8711564	-0.390292251	0.003485606	0.011703819	Casp6
ENSMUSG00000038022.11	204.1784795	-0.616775536	0.003491915	0.011721817	Fam188b
ENSMUSG00000072476.6	967.8214331	-0.301995366	0.003499356	0.011743355	RP23-472G22.1
ENSMUSG000000102555.1	151.8895015	-0.730451586	0.003499414	0.011743355	RP23-474B13.2
ENSMUSG00000054091.9	2034.579723	0.215634861	0.003507212	0.011767705	AC155158.1
ENSMUSG00000081373.1	334.4509074	0.512275739	0.003518499	0.01180375	RP23-16G8.1
ENSMUSG00000017299.13	1343.299331	0.25437023	0.003519336	0.011803905	Dnttip1
ENSMUSG00000029570.5	277.973309	-0.524987021	0.003519633	0.011803905	Lfg
ENSMUSG00000047248.20	2016.173847	-0.223196304	0.003524278	0.011817659	C2cd3
ENSMUSG00000031732.12	1136.373393	0.287661403	0.003536255	0.011855988	Phlpp2
ENSMUSG00000046364.14	33438.7097	-0.135723825	0.0035424	0.01187292	Rpl27a
ENSMUSG00000075232.5	8264.090593	-0.133475988	0.003542043	0.01187292	Amd1
ENSMUSG00000025198.16	998.2949229	-0.296091701	0.003557421	0.011921424	Erlin1
ENSMUSG00000014592.20	2789.647191	-0.203974844	0.003558319	0.011922593	Camta1
ENSMUSG00000020982.9	3260.074815	0.181776888	0.003569808	0.011959243	Nemf
ENSMUSG00000040152.8	874.5349205	-0.348936382	0.003575891	0.011977774	Thbs1
ENSMUSG00000005447.12	1744.720555	-0.230829528	0.003579591	0.011986466	Pafah1b3
ENSMUSG00000097013.1	30.40309419	1.642416749	0.003579126	0.011986466	Gm26710
ENSMUSG000000104897.1	17.38928411	-2.235397824	0.003587399	0.01201076	RP23-331L5.1
ENSMUSG00000049336.16	180.8790541	-0.646297814	0.003589084	0.012014544	Tenm2
ENSMUSG000000112254.1	27.68098326	-1.687783938	0.003591709	0.01202148	RP24-282K24.4
ENSMUSG00000097259.2	12.64146097	2.804939335	0.003595993	0.012033963	RP23-198A16.1
ENSMUSG00000078866.10	1022.350308	-0.294103218	0.003599304	0.012043185	RP23-67E6.5
ENSMUSG00000029655.17	3093.396377	-0.189011013	0.003602345	0.0120515	N4bp2l2
ENSMUSG00000063480.8	7718.429176	0.138073005	0.003603632	0.01205395	Snu13
ENSMUSG00000052459.13	7154.393694	0.139270415	0.003611405	0.012078088	Atp6v1a
ENSMUSG00000032555.10	10935.71657	-0.132552659	0.003618739	0.012100749	Topbp1
ENSMUSG00000078903.10	1529.144222	-0.273906239	0.003619495	0.012101415	RP23-330D3.3
ENSMUSG00000029999.14	379.2429278	-0.447248914	0.003627828	0.012127405	Tgfa
ENSMUSG00000022204.9	2061.07285	0.220256488	0.003629489	0.012131091	Ngdn
ENSMUSG00000048538.7	7964.60572	-0.137375571	0.00363081	0.012133637	RP23-278C19.3
ENSMUSG00000099858.1	613.7741899	0.361199661	0.003634042	0.012142567	RP23-184B11.2
ENSMUSG00000022993.7	49.68844107	-1.236882407	0.003635167	0.012144458	RP23-204C16.9
ENSMUSG00000090093.8	1388.933916	-0.257805556	0.003636684	0.012147655	RP23-330D3.6
ENSMUSG00000056288.11	23.8515328	1.915624241	0.003640156	0.01215738	RP23-280J3.2
ENSMUSG00000034055.16	576.107114	-0.367881964	0.003642685	0.012163957	Phka1
ENSMUSG00000010406.12	2251.524692	0.20859964	0.003643974	0.012166389	Mrpl52
ENSMUSG00000040771.13	1868.084669	0.222893218	0.003644894	0.01216759	Oard1
ENSMUSG00000098905.2	102.135919	-0.882247759	0.003653399	0.012194105	Zfp953
ENSMUSG00000079508.8	983.1580516	0.291916047	0.003663851	0.01222711	Apoo
ENSMUSG00000020029.6	3021.164755	0.180936578	0.003665038	0.012229191	Nudt4
ENSMUSG00000032083.8	9.060588691	4.003025714	0.003666794	0.012233169	Apoa1
ENSMUSG00000027076.10	676.9136148	0.348226711	0.003690848	0.012311526	Timm10
ENSMUSG00000031626.17	678.3675298	-0.35759716	0.003693624	0.012318893	Sorbs2

ENSMUSG00000026096.14	620.1104721	-0.36383874	0.003700755	0.012340778	Osgepl1
ENSMUSG00000049001.5	46.26502787	-1.291079821	0.00370248	0.012344634	Ndnf
ENSMUSG00000032044.4	1439.298632	0.248277586	0.003704931	0.012350909	Rpusd4
ENSMUSG00000025348.9	120.6098238	0.826480842	0.003706438	0.012354033	Itga7
ENSMUSG00000025465.13	3271.379293	-0.177456914	0.003714551	0.012377275	Echs1
ENSMUSG00000090935.10	1381.44998	-0.246300257	0.003714424	0.012377275	Synj2bp
ENSMUSG00000050373.13	684.1319591	-0.351564472	0.003722652	0.012402362	Snx21
ENSMUSG00000059325.14	172.895939	-0.66147334	0.00372633	0.012412712	Hopx
ENSMUSG00000020329.12	2474.808438	0.199697255	0.003728422	0.012417775	Polrmt
ENSMUSG00000021752.13	651.5213273	-0.347839454	0.003734044	0.01243459	Kctd6
ENSMUSG00000059434.9	42.98957792	1.390882801	0.003739013	0.012449226	Gckr
ENSMUSG00000031256.11	7239.38198	-0.148484308	0.003755262	0.01250141	Cstf2
ENSMUSG00000028521.17	835.580189	-0.313567187	0.003762609	0.012523947	Slc35d1
ENSMUSG00000028468.15	2832.227219	0.186193151	0.003778894	0.012576225	Rgp1
ENSMUSG00000029190.19	2132.823387	0.212358945	0.003785462	0.01259615	AC167815.1
ENSMUSG00000062604.11	2551.283705	-0.193196113	0.003791397	0.012613967	Srpk2
ENSMUSG00000039774.12	690.5148564	-0.349837701	0.003793496	0.012619014	Galnt12
ENSMUSG00000049122.17	158.4320131	-0.758670386	0.003794448	0.012620247	Frmtd3
ENSMUSG00000028779.16	1520.588177	0.25364449	0.003802528	0.012645183	Pef1
ENSMUSG00000026175.12	28.29125845	1.716348256	0.003808015	0.01266149	Vii1
ENSMUSG00000078862.10	1308.093206	-0.263359336	0.003818283	0.012692936	RP24-87L14.1
ENSMUSG000000114951.1	1632.507129	-0.234000026	0.003818643	0.012692936	RP24-482L4.1
ENSMUSG00000036241.3	7481.638011	-0.143066882	0.003823901	0.012706523	Ube2r2
ENSMUSG00000038155.10	500.2694978	-0.400894038	0.003823644	0.012706523	Gstp2
ENSMUSG00000032743.15	933.8562446	0.296614053	0.003825994	0.012711531	AC1271333.1
ENSMUSG00000033335.17	2835.095836	0.184310938	0.003830528	0.012724648	Dnm2
ENSMUSG00000024816.12	2345.000983	0.199444122	0.003848816	0.01278344	Frmtd8
ENSMUSG00000086173.7	28.17004452	-1.657630799	0.003855428	0.012803443	Kis2
ENSMUSG00000037474.13	3983.349543	-0.167536275	0.003859193	0.012813986	Dtl
ENSMUSG00000070476.10	260.6806012	-0.562204958	0.003873299	0.012858854	Fam217b
ENSMUSG000000114938.1	32.34511638	-1.553348265	0.003875753	0.012865033	RP24-264F22.7
ENSMUSG00000031540.13	3783.270598	0.171416078	0.003881589	0.012882435	Kat6a
ENSMUSG00000032497.17	2325.709227	0.203862237	0.003887238	0.012899211	Lrrfip2
ENSMUSG000000114940.1	1632.249658	-0.233576793	0.003900265	0.01294046	RP24-482L4.7
ENSMUSG00000068823.10	12716.5356	0.120651674	0.003901846	0.012943726	Csde1
ENSMUSG00000042514.11	69.7026409	-1.030072918	0.00390687	0.012958412	Kihl14
ENSMUSG00000031816.15	953.2434975	0.291991425	0.003911334	0.012971236	Mthfsd
ENSMUSG00000079386.8	163.9822523	-0.67301429	0.003916649	0.012986877	RP24-218O5.5
ENSMUSG00000014599.10	111.1655113	-0.818777799	0.003925795	0.013013227	Csf1
ENSMUSG00000017057.9	96.88857201	-0.875586531	0.003925464	0.013013227	Il13ra1
ENSMUSG00000097929.9	208.8902874	-0.605554158	0.003930885	0.013028109	Tunar
ENSMUSG00000020275.9	228.3187059	0.569200329	0.003935962	0.013042945	Rel
ENSMUSG00000021032.13	20.36654327	2.047188663	0.003936661	0.01304327	Ngb
ENSMUSG00000021111.15	12287.26674	-0.126502392	0.00394945	0.013083645	Papola
ENSMUSG00000074166.7	568.6484396	0.368459823	0.003950544	0.013085271	AC109227.1
ENSMUSG00000029427.11	3410.458069	-0.17181811	0.003955973	0.013101255	Zcchc8
ENSMUSG00000026705.16	1240.216932	0.278352118	0.003971287	0.013149967	Kih20
ENSMUSG00000052798.13	6213.824808	0.146813611	0.00397756	0.013168729	Nup107
ENSMUSG00000034917.8	368.9847313	-0.450116281	0.003986584	0.013194783	Tjp3
ENSMUSG00000045053.1	182.671053	-0.645845855	0.003986646	0.013194783	Kcng3
ENSMUSG00000109032.1	269.8148326	-0.5238257	0.003988043	0.013197395	RP24-365N15.2
ENSMUSG00000037847.13	148.854299	0.737269231	0.003993121	0.013212182	Nmrk1
ENSMUSG00000052819.6	22.73680911	1.921451057	0.003996548	0.013221505	Best2
ENSMUSG00000020536.12	8849.552783	-0.133156265	0.004009599	0.013260638	Llgl1
ENSMUSG00000053907.10	10857.02474	-0.124899623	0.004009367	0.013260638	Mat2a
ENSMUSG00000084950.7	85.05179688	-0.933796613	0.004018219	0.013287124	RP23-226O20.3
ENSMUSG00000038393.14	3674.175694	0.173347632	0.004019408	0.013289031	Txnip
ENSMUSG00000026696.15	703.2143256	-0.333701688	0.004030987	0.013325282	Vamp4
ENSMUSG00000021010.8	111.7262808	-0.809013462	0.004033037	0.013330029	Npas3
ENSMUSG00000034382.14	176.137117	-0.645477206	0.004038631	0.013346485	RP23-345D6.8-1
ENSMUSG00000029597.14	15.6416463	2.466560737	0.004041928	0.013355348	Sds
ENSMUSG00000048497.11	539.1231374	-0.384329073	0.004048776	0.013375937	Mmgt2
ENSMUSG00000057691.8	519.0889407	-0.386968987	0.004051818	0.01338395	Zfp746
ENSMUSG00000020226.9	57.25065411	1.237945202	0.00405698	0.013398963	Slc5a4b
ENSMUSG000000101225.1	67.33513851	-1.046545745	0.004066448	0.013428188	RP23-4H17.1
ENSMUSG00000032384.16	1915.485247	0.2381701	0.004068782	0.013430866	Csnk1g1
ENSMUSG00000052698.15	2966.984007	-0.183275235	0.004069115	0.013430866	Tln2
ENSMUSG00000083458.1	489.4389495	0.391990307	0.004068986	0.013430866	AC131692.3
ENSMUSG000000113515.1	13.51680976	2.66468885	0.00407616	0.01345207	RP23-213G18.5
ENSMUSG00000020362.13	7991.637548	-0.149157814	0.004085203	0.013476457	Cnot6

ENSMUSG00000024422.14	4168.644121	0.167683861	0.004085412	0.013476457	Dhx16
ENSMUSG00000043923.8	967.4167977	0.28676331	0.004084903	0.013476457	Ccdc84
ENSMUSG00000024830.16	766.3329038	0.326754688	0.004093831	0.013502178	Rps6kb2
ENSMUSG00000028681.11	758.2060793	-0.329694885	0.004094636	0.013502778	Ptch2
ENSMUSG00000061751.16	928.0217402	0.294532842	0.004104856	0.013534423	Kalrn
ENSMUSG00000022665.15	71.74084307	-1.084189994	0.004106398	0.013537451	Ccdc80
ENSMUSG00000082530.1	616.1866777	0.358220064	0.004108904	0.013543655	RP23-248K2.2
ENSMUSG00000105449.1	141.9854675	0.727149126	0.004109691	0.013544192	RP24-372J15.4
ENSMUSG00000060036.14	71096.56583	-0.110228429	0.004115447	0.013561103	Rpl3
ENSMUSG00000028063.15	335.9264717	0.478935446	0.004120385	0.013575313	Lmna
ENSMUSG00000090963.2	208.0896864	0.611755905	0.004124557	0.013586997	RP23-316L10.3
ENSMUSG00000030629.15	3633.750675	-0.167507853	0.004125196	0.013587041	Zfand6
ENSMUSG00000023484.14	312.8082104	-0.494565932	0.004131234	0.013604862	Prph
ENSMUSG00000030761.15	251.8620731	-0.544619726	0.004138689	0.013627343	Myo7a
ENSMUSG00000070692.6	1991.587766	0.256483836	0.004140922	0.013632627	Rps12-ps10
ENSMUSG00000047719.2	1492.200478	0.23702787	0.004150272	0.013661339	Ubiad1
ENSMUSG00000035283.4	115.0321878	-0.79601735	0.004170404	0.013725525	Adrb1
ENSMUSG00000086714.1	21.68170358	1.939477427	0.004175114	0.013738943	RP23-306D20.11
ENSMUSG00000098009.1	3466.418321	0.195373758	0.004177247	0.013743879	RP24-22617.1
ENSMUSG00000079242.2	50.51658817	1.229088806	0.004190464	0.013785274	C730034F03Rik
ENSMUSG00000060548.13	2607.179742	-0.207248886	0.00420255	0.013822939	Tnfrsf19
ENSMUSG00000110993.1	119.4636731	-0.845663316	0.004206252	0.013833016	RP24-325P4.5
ENSMUSG00000073402.11	548.9586647	0.379664806	0.004207028	0.013833474	RP23-108F2.1
ENSMUSG00000048965.9	196.8029907	0.610154419	0.004210009	0.013841179	Mrgpre
ENSMUSG00000024130.15	431.7047131	-0.424623496	0.004216223	0.013859507	Abca3
ENSMUSG00000024033.9	485.9191756	-0.396115287	0.0042175	0.013861607	Rsph1
ENSMUSG00000039059.11	70.44571973	-1.032233117	0.004237919	0.013926608	Hrh3
ENSMUSG00000002820.6	1371.384955	0.244829456	0.004247087	0.013954621	Atg4d
ENSMUSG00000001482.15	1575.367945	0.229877204	0.004251911	0.013968359	Def8
ENSMUSG00000020561.8	2357.736444	-0.197415502	0.004255022	0.013976462	Twistnb
ENSMUSG00000022286.16	220.817769	-0.600091478	0.004258154	0.013982516	Grhl2
ENSMUSG000000102644.5	521.5041566	0.383298392	0.004257706	0.013982516	Thap6
ENSMUSG00000022449.14	751.7474929	-0.320109851	0.004265074	0.014003121	Adamts20
ENSMUSG00000020132.10	1933.693804	0.21635286	0.004266852	0.01400684	Rab21
ENSMUSG00000086166.1	8.722714317	3.959815572	0.004270175	0.014015628	RP23-359C15.4
ENSMUSG00000064360.1	10821.48398	0.160998253	0.004278727	0.014041575	mt-Nd3
ENSMUSG00000023051.11	2468.804833	-0.196877843	0.004286794	0.014065923	Tarbp2
ENSMUSG00000022176.11	245.3351397	0.561572407	0.004291502	0.014079241	Rem2
ENSMUSG00000057054.11	84.43746968	0.978660192	0.004302928	0.014114593	Inca1
ENSMUSG00000012117.13	2227.741959	0.199207478	0.004304517	0.014117671	Dhdds
ENSMUSG00000027173.7	412.617978	0.430862328	0.00430907	0.014130468	Depdc7
ENSMUSG00000025203.5	124716.8781	0.095261385	0.004314377	0.014145734	Scd2
ENSMUSG00000028464.16	1166.018988	-0.268884933	0.004325117	0.014178805	Tpm2
ENSMUSG00000026032.8	2095.803865	0.243352528	0.00432722	0.014183558	Ndufb3
ENSMUSG00000010517.7	3811.706995	0.164983217	0.004333794	0.01420296	Faf1
ENSMUSG00000046985.11	976.3807477	-0.314204817	0.004342317	0.014228742	Tapt1
ENSMUSG00000020264.5	131.452855	-0.742450321	0.004350639	0.014253859	Slc36a2
ENSMUSG000000100261.1	214.8921463	-0.59163071	0.004355239	0.014266777	RP24-172B22.2
ENSMUSG00000081451.1	486.0613969	0.403695705	0.004360245	0.014281019	RP23-273P3.3
ENSMUSG00000026192.13	9898.031488	0.128181731	0.004363948	0.01429099	Atic
ENSMUSG00000006920.14	2236.777026	-0.208158029	0.004385162	0.014356131	Ezh1
ENSMUSG000000112110.1	26.40401666	1.746052767	0.004384712	0.014356131	RP24-406I15.1
ENSMUSG00000027293.13	1831.895598	0.21567129	0.004386933	0.014359761	Ehd4
ENSMUSG00000024426.17	865.3383915	0.313134003	0.004392684	0.014376419	Atat1
ENSMUSG00000043068.6	72.46620582	1.007098635	0.004395932	0.014382712	Fam89a
ENSMUSG00000070336.3	82.97097575	0.950806734	0.004395931	0.014382712	Fbxo47
ENSMUSG00000096872.2	8.157596422	4.906170273	0.004398123	0.01438771	Scgb2a2
ENSMUSG00000045934.15	138.2210978	-0.723670002	0.004399896	0.01439134	Mtmt11
ENSMUSG00000029815.12	966.6876576	0.287552951	0.004401043	0.014391783	Malsu1
ENSMUSG00000037188.7	170.1869037	-0.692390251	0.004401358	0.014391783	Grhl3
ENSMUSG00000082691.6	4694.812689	-0.154137865	0.004420141	0.014451024	Dynlt1-ps1
ENSMUSG00000031813.8	1961.42364	0.210672065	0.004424643	0.014463565	Mvb12a
ENSMUSG00000033066.15	515.16697	-0.389546124	0.004426575	0.0144677	Gas7
ENSMUSG00000024583.2	5104.803812	0.150268159	0.004435766	0.014495557	Txn1l
ENSMUSG00000107976.1	25.78531782	1.770656872	0.004439287	0.014504879	CH25-625A20.2
ENSMUSG00000079523.8	13815.21292	0.143389758	0.004443286	0.014515761	Tmsb10
ENSMUSG00000024424.14	252.038435	-0.540771745	0.004461635	0.014573509	Ttc39c
ENSMUSG00000026509.15	693.2588095	-0.356027354	0.004465926	0.014585281	Capn2
ENSMUSG00000029070.9	1261.506661	-0.257803683	0.004466583	0.014585281	Mxra8
ENSMUSG00000020715.9	1588.382869	0.235164218	0.004484655	0.014642092	Ern1

ENSMUSG00000105600.1	935.7103877	-0.294755159	0.004488788	0.01465338	RP23-424O22.1
ENSMUSG00000049811.16	79.98928614	-0.970710192	0.004492038	0.014661787	Fam161a
ENSMUSG00000027405.16	16550.92572	-0.110928978	0.004496809	0.014675151	Nop56
ENSMUSG00000014177.10	3173.255355	0.190408317	0.004503567	0.014694993	Tvp23b
ENSMUSG00000080198.2	2321.894946	-0.233451488	0.004507866	0.014706812	RP23-10L17.3
ENSMUSG00000022999.15	1629.208649	0.238125594	0.004558177	0.014866479	Lmbr1l
ENSMUSG00000028389.12	722.4893814	-0.322481157	0.00455807	0.014866479	Zfp37
ENSMUSG00000061288.13	3084.076837	-0.183238079	0.004560227	0.014870931	Taok3
ENSMUSG00000037465.10	1572.658435	-0.232823229	0.004564939	0.01488406	Klf10
ENSMUSG00000038384.16	1723.474445	-0.224843244	0.004588085	0.01495728	Setd1b
ENSMUSG00000078881.10	1473.351896	-0.23459498	0.004589435	0.014959436	RP23-442I10.2
ENSMUSG00000034317.14	3522.881117	-0.177782793	0.004595864	0.014978142	Trim59
ENSMUSG00000032096.16	9512.977114	0.138828084	0.004599082	0.014986377	Arcn1
ENSMUSG00000035273.14	43.81544729	-1.315172211	0.004602334	0.014990222	Hpse
ENSMUSG00000037341.14	679.7673393	0.340362546	0.004601371	0.014990222	Slc9a7
ENSMUSG00000066477.13	16.00945173	-2.239295449	0.004602132	0.014990222	RP23-157H17.2
ENSMUSG00000042590.16	3896.783483	0.1610422	0.004611082	0.015016462	Ipo11
ENSMUSG00000059277.12	107.5710523	-0.81673428	0.004626766	0.015065277	AC015800.4
ENSMUSG00000022772.12	1987.300819	0.225800037	0.004639621	0.015104869	Senp5
ENSMUSG00000067206.3	37.30795824	4.52378683	0.004645359	0.01512128	Lrrc66
ENSMUSG00000042293.8	72.54153974	1.071256365	0.004647135	0.015124793	RP23-147I23.2
ENSMUSG00000026471.14	74.35995716	-0.985044694	0.004667344	0.01518829	Mr1
ENSMUSG00000073906.3	9.339665846	3.43833167	0.00467041	0.015195988	Olf692
ENSMUSG00000069890.3	8.046111792	4.882817668	0.004675197	0.015209282	1700024J04Rik
ENSMUSG00000035095.11	85.47869738	-0.920984784	0.004679974	0.01522254	Fam167a
ENSMUSG0000006005.18	10932.94944	-0.355502222	0.004689191	0.015250234	Tpr
ENSMUSG00000092060.4	9171.105923	-0.13661203	0.004691209	0.015254512	Bend4
ENSMUSG00000005142.10	4010.568423	0.173605991	0.004694582	0.015263192	Man2b1
ENSMUSG00000022789.15	5987.211905	-0.151807621	0.004701082	0.015282037	Dnm1l
ENSMUSG00000097127.7	40.66940676	-1.426216142	0.004704537	0.015290977	RP23-51D4.3
ENSMUSG00000031311.17	21317.26163	-0.108748269	0.004706496	0.015295055	Nono
ENSMUSG00000032855.6	1229.447548	-0.262476001	0.00471346	0.015314317	Pkd1
ENSMUSG00000073233.4	796.0862247	0.313871511	0.004713835	0.015314317	RP23-235G12.1
ENSMUSG00000082908.4	1056.880176	0.278980312	0.004715094	0.015316117	RP23-178B19.8
ENSMUSG00000022466.6	2468.333285	0.190636147	0.004719042	0.015326647	Rpap3
ENSMUSG00000116041.1	328.8520942	0.471964154	0.004720939	0.015330513	RP23-23A6.8
ENSMUSG00000019891.15	1166.477076	-0.260542706	0.004724626	0.01534019	Dcbld1
ENSMUSG00000045813.7	100.0173803	-0.856397659	0.004727797	0.01534819	RP23-238L7.1
ENSMUSG00000030225.11	1865.491296	-0.221032522	0.004734712	0.01536834	Dera
ENSMUSG00000034616.16	129.2761832	-0.764855202	0.004742347	0.015390821	Ssh3
ENSMUSG00000037343.8	4395.954108	0.161671012	0.004744357	0.01539504	Taf2
ENSMUSG00000034990.15	11.55696465	2.938015245	0.004765887	0.015460282	Otoa
ENSMUSG00000039840.7	859.0743457	-0.304792028	0.004765663	0.015460282	Epg5
ENSMUSG00000091811.2	147.5149522	-0.704499295	0.004767892	0.015464472	Inafm1
ENSMUSG00000046168.9	16.82026241	2.269263412	0.004774508	0.015483617	Kcnrg
ENSMUSG00000022947.8	343.3841331	-0.468653714	0.004775372	0.015484106	Cbr3
ENSMUSG00000021549.14	2174.175003	-0.200324205	0.004784027	0.015509852	Rasa1
ENSMUSG00000040003.18	622.5588609	-0.345213035	0.004787928	0.015520182	Magi2
ENSMUSG00000055069.3	309.0465276	0.50233503	0.004792857	0.015533839	Rab39
ENSMUSG00000084834.1	96.8427271	-0.893596846	0.004796383	0.015542946	RP24-422J16.3
ENSMUSG00000042626.13	4746.548564	0.15104127	0.004811937	0.015591022	Shc1
ENSMUSG00000022416.15	27.8339331	-1.655940177	0.004814273	0.015595844	Cacna1i
ENSMUSG00000030393.8	1316.66991	0.254137982	0.00481488	0.015595844	Zik1
ENSMUSG00000091022.8	331.3693386	-0.465998854	0.004815582	0.015595844	RP23-45E20.7
ENSMUSG00000099719.1	8.584422797	3.914848266	0.004838942	0.015669161	RP24-285E3.4
ENSMUSG00000027238.17	1100.771409	0.278975392	0.004843315	0.015680982	Frmf5
ENSMUSG00000035845.17	612.8218042	0.347655102	0.004845912	0.015687051	Alg12
ENSMUSG00000038893.12	1265.901515	0.248956988	0.004846765	0.01568747	Fam117a
ENSMUSG00000082292.3	13.25062797	2.614921044	0.004853095	0.015705619	RP24-499A8.3
ENSMUSG00000053985.10	40.46110466	1.351312043	0.004875349	0.015775282	Zfp14
ENSMUSG00000114241.1	35.45626111	1.445076626	0.004887882	0.015813477	RP23-300H21.9
ENSMUSG00000016409.4	1005.692574	-0.278005455	0.004898806	0.015846459	Nkap
ENSMUSG00000019813.16	633.3283663	-0.353482662	0.00490142	0.01585255	Cep57l1
ENSMUSG00000020056.16	1018.153307	0.285582894	0.004910415	0.015879277	Washc3
ENSMUSG00000061414.8	254.0888468	-0.532664179	0.004911929	0.015881805	Cracr2a
ENSMUSG00000030161.8	3332.804236	0.168823851	0.004933006	0.01594758	Gabarapl1
ENSMUSG00000085379.1	228.5260319	0.56684033	0.004962128	0.016039335	RP23-44118.8
ENSMUSG00000016559.14	26405.60086	0.105543836	0.004964259	0.016043834	H3f3b
ENSMUSG00000116921.1	30.38881438	-1.722003109	0.00497711	0.016082972	RP23-353E16.5
ENSMUSG00000027598.16	5282.060504	-0.157064251	0.004981507	0.016094784	Itch

ENSMUSG00000079531.1	25.48199976	-1.759687595	0.004983741	0.016099605	RP23-459K15.9
ENSMUSG00000057036.7	18113.59678	-0.153921663	0.004991093	0.016120956	RP23-328D16.1
ENSMUSG00000034088.15	17036.58265	-0.122833581	0.004995525	0.016132871	Hdlbp
ENSMUSG00000028175.15	1369.201076	-0.242485443	0.005005843	0.016163576	Depdc1a
ENSMUSG00000045435.9	1010.316869	0.283661597	0.005006523	0.016163576	Tmem60
ENSMUSG00000033983.13	2610.737406	0.198549848	0.005015564	0.016190357	Coil
ENSMUSG00000029050.15	2954.30159	-0.179531261	0.005024872	0.01621558	Ski
ENSMUSG00000040877.16	283.8934231	0.542325757	0.005024719	0.01621558	Wdr25
ENSMUSG00000042938.8	401.5836206	-0.422063865	0.005028672	0.016223508	RP23-185F7.4
ENSMUSG00000085396.7	12890.35776	-0.123398872	0.005028824	0.016223508	Fire
ENSMUSG00000041845.10	336.4241384	0.474324595	0.00504634	0.016277598	Rhod
ENSMUSG00000065947.3	17765.25978	0.132301556	0.005048026	0.016280617	mt-Nd4l
ENSMUSG00000030738.11	18817.52248	-0.107150058	0.005062057	0.016323443	Eif3c
ENSMUSG00000011751.16	587.6150175	-0.352719674	0.005070943	0.016349665	Sptbn4
ENSMUSG00000021287.12	1194.494869	0.257416438	0.005071705	0.016349694	Xrcc3
ENSMUSG00000030669.13	1182.042505	-0.257823324	0.005077186	0.016362502	Calca
ENSMUSG000000103968.1	86.50346857	-0.904907217	0.005077081	0.016362502	RP23-272A7.1
ENSMUSG00000066151.11	971.1528946	0.281758272	0.00507951	0.016367562	Fkbp15
ENSMUSG000000113412.1	114.517008	0.787226516	0.005081107	0.016370276	RP24-64M1.1
ENSMUSG00000053716.9	1084.587463	-0.268203888	0.005082813	0.016373343	Dusp7
ENSMUSG00000000724.10	22.89661711	1.831936949	0.005088737	0.016389993	Cryba1
ENSMUSG00000030850.17	1862.79716	-0.226971127	0.005095054	0.016407905	Ate1
ENSMUSG00000024986.11	133.5456542	-0.741128095	0.005100618	0.016423384	Hhex
ENSMUSG00000018581.15	90.27746351	-0.953894136	0.00510956	0.016449737	Dnah11
ENSMUSG00000024667.11	479.5926135	0.385725324	0.005119442	0.016479105	Tmem216
ENSMUSG00000025757.12	2951.025098	-0.17865147	0.005126244	0.016498554	Hspa4l
ENSMUSG00000011958.17	3286.46889	0.183549244	0.005136872	0.016530308	Bnip2
ENSMUSG000000112808.1	7623.650166	-0.129131695	0.005137682	0.016530463	RP23-356P21.1
ENSMUSG00000008682.13	49040.72911	0.107807728	0.005147337	0.016556619	Rpl10
ENSMUSG00000025854.15	222.5868232	-0.558302428	0.00514697	0.016556619	Fam20c
ENSMUSG000000103609.1	10.17438601	3.118008305	0.005156576	0.016583879	RP23-11K8.4
ENSMUSG00000031201.17	1825.719666	-0.219345068	0.005174702	0.016639706	Brc3
ENSMUSG00000059674.7	540.1768376	-0.364469651	0.005190277	0.016687316	Cdh24
ENSMUSG00000025354.5	2691.93034	0.181014654	0.005196961	0.016706334	Dnajc14
ENSMUSG00000032291.8	200.0923711	-0.632214109	0.005204958	0.016729563	Crabp1
ENSMUSG00000083410.1	10.25044264	3.13341071	0.005212158	0.016750222	RP23-67P9.1
ENSMUSG00000078886.12	1523.143278	-0.227978454	0.005217092	0.016763596	RP23-355G16.8
ENSMUSG00000020914.17	45558.49595	-0.100357983	0.005218387	0.016765276	Top2a
ENSMUSG00000015671.11	7881.362482	0.14644296	0.005221431	0.01677159	Psma2
ENSMUSG00000089906.1	372.1753802	0.445281584	0.005221898	0.01677159	RP23-247A1.1
ENSMUSG00000040722.7	1876.084343	-0.209671975	0.005226133	0.016782707	Scamp5
ENSMUSG00000005371.14	2245.821848	-0.199721038	0.00522945	0.016790874	Fbxo11
ENSMUSG00000025010.13	790.7124976	-0.319308779	0.005237235	0.016813383	Ccnj
ENSMUSG00000097401.1	26.14907272	1.714169591	0.005239079	0.016816817	RP24-361F11.3
ENSMUSG00000020038.10	1761.165828	-0.22151172	0.005239995	0.016817269	Cry1
ENSMUSG00000005656.9	3359.878397	0.168199578	0.005248628	0.016842484	Snx6
ENSMUSG00000021364.16	902.4655952	-0.297709771	0.005253282	0.016852434	Elov12
ENSMUSG000000066877.11	899.8936996	-0.302681184	0.005252689	0.016852434	Nck2
ENSMUSG00000023707.13	357.3886202	0.471411057	0.00525778	0.016864371	Ogfod2
ENSMUSG00000041360.7	6141.022776	0.14086579	0.005260923	0.016871958	Pum3
ENSMUSG00000070282.6	200.218823	0.616959011	0.005264414	0.01688066	RP24-164P4.3
ENSMUSG00000071669.14	103.3547149	0.828396109	0.005265991	0.016883225	Snx29
ENSMUSG00000026889.12	1401.720407	0.244825113	0.005268749	0.016889569	Rbm18
ENSMUSG00000045414.7	2535.200304	-0.188618853	0.005269951	0.016890927	RP23-253N17.1
ENSMUSG00000000037.16	530.7357452	-0.431935087	0.005271499	0.016893396	Scml2
ENSMUSG00000068015.8	64.97628853	-1.034931043	0.005274202	0.016899563	Lrch1
ENSMUSG00000033170.14	1352.953009	-0.246326998	0.005275099	0.016899942	Card10
ENSMUSG00000036186.5	98.01364846	-0.854965688	0.005293763	0.016957231	Fam69b
ENSMUSG00000044469.7	107.8411236	0.817869398	0.005294672	0.016957639	Tnfaip8l1
ENSMUSG00000039637.15	1962.66384	0.214082468	0.005312618	0.017012608	Coro7
ENSMUSG00000021103.12	1933.141401	0.221404791	0.005328491	0.01706092	Mnat1
ENSMUSG00000024697.3	38.52139313	-1.38720658	0.005332425	0.017070996	Gna14
ENSMUSG000000057278.8	5830.667724	0.18279618	0.005334724	0.017075839	Snrpg
ENSMUSG00000025200.6	1104.193327	0.261075408	0.00533992	0.017089948	Cwf19l1
ENSMUSG00000003929.10	1148.10563	-0.271203702	0.005370105	0.017179885	Zfp81
ENSMUSG00000035191.15	9.121897213	3.400868153	0.005370096	0.017179885	Rfpl4
ENSMUSG00000083844.8	270.7121842	0.511006888	0.005370396	0.017179885	Ube2d-ps
ENSMUSG00000039253.7	1088.785739	0.279521258	0.00537787	0.017201257	Fn3krp
ENSMUSG00000052469.8	16.5722664	2.24713656	0.005393524	0.017248785	Tcp10c
ENSMUSG00000041966.18	2185.268221	-0.204506591	0.005399642	0.017265805	Dcaf17

ENSMUSG00000081656.1	167.2521261	0.648254611	0.005404047	0.017277346	RP24-468P16.1
ENSMUSG00000006395.16	155.4687747	-0.670346686	0.005406036	0.017281159	Hyi
ENSMUSG00000073424.9	29.71317951	-1.701288743	0.005439257	0.017384795	Cyp4f15
ENSMUSG00000058729.13	897.8211926	-0.29207938	0.005442075	0.017391157	Lin9
ENSMUSG00000073155.12	1226.018145	0.250483681	0.00544285	0.017391157	RP23-338E5.2
ENSMUSG00000103577.1	51.10639078	-1.184847486	0.005457005	0.017433819	RP23-6F21.3
ENSMUSG00000021774.13	1621.173251	-0.234879515	0.005463803	0.017452966	Ube2e1
ENSMUSG00000100690.1	2582.266854	-0.19443714	0.005466223	0.017458126	RP23-53N22.2
ENSMUSG00000096977.2	67.65576169	1.010384399	0.005470481	0.017469156	RP23-143D12.2
ENSMUSG00000001518.12	3129.522969	-0.170651841	0.005474729	0.017480149	ltfg2
ENSMUSG00000042213.17	109.0118654	0.794735237	0.00547868	0.017490191	Zfand4
ENSMUSG00000049119.14	212.1479436	-0.580743024	0.00549141	0.017528253	Fam110b
ENSMUSG00000029166.14	200.5090071	-0.604252219	0.005494075	0.01753418	Mapre3
ENSMUSG00000115730.1	520.5441629	0.381745282	0.005503936	0.017563066	RP24-402C20.1
ENSMUSG00000018405.7	902.8192834	0.301769142	0.005537461	0.017667449	Mrm1
ENSMUSG00000022043.19	3944.629724	0.156626587	0.005543124	0.017680318	Trim35
ENSMUSG00000022761.12	1704.382131	-0.218545184	0.005542971	0.017680318	Lztr1
ENSMUSG00000039323.18	33091.98998	0.112920688	0.005551248	0.017703627	Igfbp2
ENSMUSG00000032612.14	3044.034494	0.174023386	0.00557374	0.017772746	Usp4
ENSMUSG00000043456.16	106.3726498	-0.802353177	0.005578787	0.017786225	Zfp536
ENSMUSG00000024909.14	656.0640732	-0.335073419	0.005584774	0.017802698	Efemp2
ENSMUSG00000030801.10	1336.430436	-0.243959491	0.005594881	0.017832296	Kat8
ENSMUSG00000078572.3	880.5007146	0.292949905	0.005607077	0.017868544	RP23-37J21.3
ENSMUSG00000009566.12	1933.284725	-0.209388132	0.005611998	0.017881599	Fpgs
ENSMUSG00000001630.13	2592.78839	-0.184525611	0.005617464	0.017896388	Stk38l
ENSMUSG00000041716.7	277.4788749	0.505605637	0.005629182	0.017931089	RP24-234J3.3
ENSMUSG00000030782.16	158.6751561	-0.681620846	0.005630664	0.017933178	Tgfb1i1
ENSMUSG00000024952.12	293.05756	-0.490617414	0.005643165	0.017970356	Rps6ka4
ENSMUSG00000085334.7	1185.133509	-0.256138551	0.005644983	0.017973507	RP23-153M14.4
ENSMUSG00000083670.1	606.0482084	0.345692891	0.005646058	0.017974293	RP23-423L11.4
ENSMUSG00000020668.10	1163.867046	0.262494533	0.005647451	0.017976091	Kif3c
ENSMUSG00000014633.15	525.4937351	0.387246778	0.005661129	0.018016985	Cmc2
ENSMUSG00000022263.10	6785.084493	-0.14973366	0.005662964	0.018017822	Trio
ENSMUSG00000111163.1	21.31963905	1.906544774	0.005663052	0.018017822	RP23-438P19.12
ENSMUSG00000058997.8	416.1726007	-0.410107645	0.005666314	0.018025558	Vwa8
ENSMUSG00000049800.13	2099.52817	0.20108414	0.00566726	0.018025924	Sertad2
ENSMUSG000000041120.6	347.6170476	-0.489584675	0.005676416	0.018052402	Nbl1
ENSMUSG00000029578.15	8296.325441	-0.124886453	0.005680183	0.018061734	Wipi2
ENSMUSG00000024042.6	2767.964755	0.1772382	0.005694253	0.018103819	Sik1
ENSMUSG00000033623.13	2720.695301	-0.195329843	0.005706164	0.018139032	Pcgf3
ENSMUSG00000004069.17	2632.093886	0.182585964	0.005717367	0.018171983	Dnaj3
ENSMUSG00000014959.12	3231.104294	-0.168617228	0.005721762	0.018180626	Gorasp2
ENSMUSG00000040502.5	1096.40416	-0.274329295	0.005721517	0.018180626	09. Mrz
ENSMUSG00000020228.11	2429.391707	-0.204886663	0.005731305	0.018208284	Helb
ENSMUSG00000039357.2	1156.797186	-0.254421982	0.005735457	0.018218807	Fut11
ENSMUSG00000080893.1	2695.852984	0.193106894	0.005744577	0.018245105	AC122339.3
ENSMUSG00000026646.16	1831.704559	-0.219453786	0.005747963	0.018250517	Suv39h2
ENSMUSG00000030306.14	373.3068882	-0.443873929	0.005747334	0.018250517	Tmtc1
ENSMUSG00000079057.4	154.3593399	-0.661625765	0.005751718	0.018259771	Cyp4v3
ENSMUSG00000061273.3	2083.790752	-0.200244127	0.005760523	0.018285048	Mmg1
ENSMUSG00000024013.14	441.1873783	-0.399053865	0.005783958	0.018356749	Fgd2
ENSMUSG00000082160.1	96.37283492	-0.851525452	0.005796361	0.018393423	RP23-17F2.4
ENSMUSG00000024055.14	408.5299611	-0.410968167	0.005798678	0.018397377	Cyp4f13
ENSMUSG00000102018.8	65.25703143	1.031825479	0.005799302	0.018397377	RP23-428I9.3
ENSMUSG000000112639.1	71.99960459	0.998202757	0.005807788	0.018421605	RP24-310D17.9
ENSMUSG00000020538.15	17637.25321	0.116672412	0.005817711	0.018450381	Sreb1
ENSMUSG00000050840.8	129.7213834	-0.725004993	0.005823651	0.018466523	Cdh20
ENSMUSG00000035378.17	1549.912322	-0.224952601	0.005826103	0.018471598	Shq1
ENSMUSG00000019864.14	1093.310281	0.26332915	0.005827217	0.018472431	Rtn4ip1
ENSMUSG00000000732.9	806.3354045	-0.304134552	0.005832988	0.018485324	Icosl
ENSMUSG00000043831.12	260.8224825	-0.533871229	0.005832548	0.018485324	Lysmd4
ENSMUSG00000030557.17	1387.847866	-0.237859136	0.005840364	0.018505996	Mef2a
ENSMUSG00000032301.13	6710.651106	0.136060246	0.005841301	0.018506266	Psm2
ENSMUSG00000083774.1	715.0335405	0.342570916	0.005844898	0.018514957	AC162897.3
ENSMUSG00000049339.16	2941.354516	0.192276067	0.005886215	0.018643118	Fam134a
ENSMUSG00000036992.10	1855.847438	0.207273592	0.005905469	0.018701371	Nxt1
ENSMUSG00000026878.17	4073.891958	-0.155524421	0.005908359	0.018707791	Rab14
ENSMUSG00000024831.13	705.7006453	-0.321953052	0.005909755	0.018709482	Ighmbp2
ENSMUSG00000036023.6	3102.58771	0.17788057	0.005911021	0.018710762	Parp2
ENSMUSG00000115367.1	9.249787477	3.431278428	0.005914005	0.018717477	RP23-100K19.3

ENSMUSG00000028884.14	3738.434724	0.15842516	0.005921058	0.018737066	Rpa2
ENSMUSG000000107455.1	9.899583113	3.065581324	0.005925063	0.018747008	RP24-204J8.6
ENSMUSG000000050213.6	1386.224166	0.233671176	0.005927805	0.018752947	Snip1
ENSMUSG000000021131.14	13226.36782	0.116178055	0.005936003	0.018776146	Erh
ENSMUSG00000006649.17	101.2634632	-0.811933106	0.005937133	0.018776982	Nphs1
ENSMUSG000000013155.10	1379.458145	-0.251322694	0.005947512	0.018807068	Enkd1
ENSMUSG000000108825.1	70.44482467	-1.027994387	0.005953951	0.018824687	RP24-252B21.3
ENSMUSG000000024644.16	2511.499558	0.184173271	0.005956112	0.018828774	Cndp2
ENSMUSG00000005357.9	176.9935317	-0.615266143	0.005965342	0.018855208	Slc1a6
ENSMUSG000000025077.13	472.1703497	-0.383338961	0.005966906	0.018857404	Dclre1a
ENSMUSG000000027951.16	2947.88932	0.175987625	0.005976315	0.018884389	Adar
ENSMUSG000000041779.5	1239.464642	0.262438257	0.006003665	0.018968051	Tram2
ENSMUSG000000018698.15	242.4082712	-0.557669349	0.006018101	0.019008861	Lhx1
ENSMUSG000000072809.2	7.539718524	4.786821691	0.006018334	0.019008861	RP23-19I2.7
ENSMUSG000000049516.9	1915.259768	0.20889853	0.006022777	0.019020125	Spty2d1
ENSMUSG000000027284.16	962.8640703	-0.286295045	0.006026319	0.019028543	Cdan1
ENSMUSG000000001520.12	84.58261935	0.965439962	0.006031891	0.01904279	Nrip2
ENSMUSG000000026495.8	184.8768506	0.615112049	0.006032586	0.01904279	Efcab2
ENSMUSG000000106870.1	218.7781798	0.556299897	0.006035286	0.019048542	RP24-470E5.9
ENSMUSG000000087164.1	64.36801659	-1.050244731	0.006039234	0.019058231	Nr5a1os
ENSMUSG000000062456.3	9741.789256	0.123199919	0.006055166	0.019105729	Rpl9-ps6
ENSMUSG000000075012.4	1245.85428	-0.247718791	0.006064106	0.019131155	Fjx1
ENSMUSG000000090323.2	1048.936575	-0.281782821	0.006070088	0.019147244	RP23-285F13.3
ENSMUSG000000038260.10	414.7815305	-0.405424785	0.006072325	0.019151517	Trpm4
ENSMUSG000000004127.12	945.2567714	-0.287517231	0.00608485	0.019188231	Trmt10a
ENSMUSG000000022144.4	80.50778515	-0.921706407	0.006089905	0.019201382	Gdnf
ENSMUSG000000030145.14	466.4442116	-0.381836526	0.006094088	0.01921178	Zfp248
ENSMUSG000000029782.19	6226.010903	0.143004884	0.006096904	0.019217867	Tmem209
ENSMUSG000000031754.10	9065.29539	-0.126142177	0.006101812	0.019230545	Nudt21
ENSMUSG000000097023.8	45.40864451	-1.386640102	0.006105311	0.019238776	RP23-207N5.1
ENSMUSG000000024456.16	9407.950039	0.131529531	0.006115842	0.019269165	Diaph1
ENSMUSG000000021772.15	387.5014832	0.425734332	0.006122454	0.019287196	Nkiras1
ENSMUSG000000033065.14	4168.324043	-0.153222547	0.006126105	0.019295898	Pfkm
ENSMUSG00000006958.14	163.2583839	-0.640982325	0.00613904	0.019333833	Chrd
ENSMUSG000000033031.13	3300.4257	-0.169039267	0.006156325	0.019385455	RP23-185B14.1
ENSMUSG00000001672.14	222.8719789	-0.558061098	0.006165119	0.019407711	Marveld3
ENSMUSG000000015357.10	1963.450639	0.206868785	0.006165181	0.019407711	Clpx
ENSMUSG000000099061.1	19.19653263	2.075100893	0.00617495	0.019435645	RP24-421H18.1
ENSMUSG000000091931.5	460.7307776	0.403170575	0.006177067	0.019439489	RP24-234J3.2
ENSMUSG000000067928.6	516.4071024	-0.371759872	0.006199288	0.019506591	Zfp760
ENSMUSG000000073482.2	8.18951416	3.845587139	0.006200792	0.019508494	RP23-67I3.2
ENSMUSG000000026915.16	5517.034922	0.140213858	0.006213566	0.019545849	Strbp
ENSMUSG000000087159.7	498.8496657	0.392352747	0.006222538	0.019571235	RP23-37L2.2
ENSMUSG000000108830.1	38.74157801	1.368873533	0.006231135	0.019595433	RP23-17C12.8
ENSMUSG000000028910.12	850.4013557	0.29644195	0.006240424	0.019621802	Mecr
ENSMUSG000000102704.1	19.58192662	1.983991136	0.006242125	0.019624309	RP23-183O12.1
ENSMUSG000000060591.9	3049.134453	-0.180522421	0.006247566	0.019638567	Ifitm2
ENSMUSG000000079492.2	596.6148498	0.342419668	0.006250251	0.019644163	RP23-108F2.19
ENSMUSG000000027977.15	564.3231458	-0.357419933	0.006267429	0.0196953	Ndst3
ENSMUSG00000001349.5	586.9542377	-0.3449471	0.006272249	0.019707592	Cnn1
ENSMUSG000000058050.5	4026.076136	0.156522044	0.006277411	0.019720957	RP23-156N18.3
ENSMUSG000000037706.17	4421.717131	-0.162505138	0.006280806	0.019725913	Cd81
ENSMUSG000000078812.10	79595.2937	0.094561207	0.006280437	0.019725913	Eif5a
ENSMUSG00000010080.15	75.37701795	-0.950186586	0.006294098	0.019764796	Epn3
ENSMUSG000000050490.7	2878.973965	0.175663041	0.006302622	0.0197887	RP23-132J19.2
ENSMUSG000000019189.13	19681.10173	-0.109399938	0.006321713	0.019845773	Rnf145
ENSMUSG000000020007.4	111.4948215	-0.789695632	0.006335426	0.019885943	Il20ra
ENSMUSG000000025255.18	802.8118469	-0.295543333	0.006350085	0.019926525	Zfhx4
ENSMUSG000000036599.10	1423.450345	0.230362368	0.006350191	0.019926525	Chst12
ENSMUSG000000048355.2	4458.757949	-0.148938598	0.006360498	0.019955983	Arxes1
ENSMUSG00000002489.16	2294.08917	-0.201885095	0.006362227	0.019958521	Tiam1
ENSMUSG000000026576.12	11705.65693	-0.117849542	0.006371497	0.019984713	Atp1b1
ENSMUSG000000022856.9	1369.848446	0.23802815	0.006372878	0.019986155	Tmem41a
ENSMUSG000000067377.12	339.4248272	0.450472729	0.006375157	0.019990414	Tspan6
ENSMUSG000000014198.15	95.92609111	-0.84891793	0.006377292	0.019991333	Zfp385c
ENSMUSG000000042660.7	2802.139997	0.176378596	0.006376989	0.019991333	Wdr55
ENSMUSG000000041959.14	1907.102847	-0.211210608	0.006378479	0.019992164	S100a10
ENSMUSG000000020467.15	185.1106155	-0.597462782	0.006380467	0.01999551	Efemp1
ENSMUSG000000097180.5	720.4365725	0.311810348	0.00638805	0.020016382	RP23-354E8.2
ENSMUSG00000001418.13	2841.58187	0.200556621	0.006396466	0.020039861	Glmf

ENSMUSG00000031698.14	9.828727111	3.055598885	0.00641961	0.020109466	Mylk3
ENSMUSG00000031590.8	1503.704624	0.229067793	0.006423013	0.020117223	Frg1
ENSMUSG00000063446.4	28.53730968	-1.586194729	0.006432471	0.020143938	Pppr1
ENSMUSG00000089958.1	637.3589949	0.334972758	0.006435715	0.020151188	AC113106.1
ENSMUSG00000025795.8	1285.964572	-0.242673974	0.006437772	0.02015472	Rassf3
ENSMUSG00000078348.4	3985.606421	0.160744915	0.006460619	0.02022333	Sf3b5
ENSMUSG00000034656.17	758.0147922	-0.30890006	0.006466933	0.020237258	Cacna1a
ENSMUSG00000038291.16	496.1871132	-0.378489324	0.006466085	0.020237258	Snx25
ENSMUSG00000031170.14	292.3965024	-0.497917825	0.006468959	0.02024068	Slc38a5
ENSMUSG00000057606.14	7.558740892	4.786339348	0.006471689	0.020241468	Colq
ENSMUSG00000065360.1	12.73299686	2.564351818	0.006472009	0.020241468	Gm24412
ENSMUSG00000072664.11	7.558740892	4.786339348	0.006471689	0.020241468	Ugt3a1
ENSMUSG00000020173.17	120.8880533	-0.757295283	0.006476306	0.020245535	Cobl
ENSMUSG00000024664.4	431.3206489	0.396780458	0.00647616	0.020245535	Fads3
ENSMUSG00000032400.18	3123.736417	-0.178197901	0.006477041	0.020245535	Zwilch
ENSMUSG00000051177.16	19.68338789	-1.945914113	0.006476686	0.020245535	Plcb1
ENSMUSG00000084941.1	84.87998704	-0.881569705	0.006497951	0.020307969	RP23-191E3.14
ENSMUSG00000096160.2	353.7478604	0.447022843	0.006505407	0.020328345	RP24-68C7.3
ENSMUSG00000061207.11	642.1846817	0.32807733	0.006511573	0.020344681	Stk19
ENSMUSG00000074034.1	7020.280923	0.161140652	0.006527023	0.020390018	RP23-271F18.1
ENSMUSG00000010362.9	782.4025006	0.303028774	0.00653776	0.020420621	Rdm1
ENSMUSG00000027577.14	861.7457352	-0.288236854	0.006566395	0.020507111	Chrna4
ENSMUSG00000106752.1	71.71430399	-0.965776628	0.006571935	0.020518507	RP23-254B9.2
ENSMUSG00000107157.1	71.71430399	-0.965776628	0.006571935	0.020518507	RP23-97D14.6
ENSMUSG00000032380.8	105.5068657	-0.811430626	0.00657347	0.020520345	Dapk2
ENSMUSG00000051984.13	169.1133391	0.653684828	0.006588125	0.020563137	Sec31b
ENSMUSG00000022969.13	100.8323469	-0.804660518	0.006600434	0.020598593	Il10rb
ENSMUSG00000104348.1	21.79767799	-1.911115645	0.006602788	0.020602976	RP23-59N15.4
ENSMUSG00000037466.13	1517.867271	0.221814842	0.006604809	0.020606322	RP24-468O24.4
ENSMUSG00000028327.14	69.87816467	-0.982200453	0.006629703	0.020681014	Stra6l
ENSMUSG00000029726.16	1799.792434	-0.207780515	0.006635654	0.020696603	Mepce
ENSMUSG00000054648.7	770.5644713	0.305516293	0.006640281	0.020708059	Zfp869
ENSMUSG00000000826.16	5698.452801	0.138703829	0.006649347	0.020733352	Dnajc5
ENSMUSG00000024962.13	2617.457176	-0.179078547	0.006656642	0.020753116	Vegfb
ENSMUSG00000035969.15	264.2357538	-0.507282225	0.006665392	0.020777411	Rusc2
ENSMUSG00000021023.14	1009.052521	-0.269181743	0.00666903	0.020779797	RP24-93H15.3
ENSMUSG00000042737.9	887.3070825	0.321454205	0.006668658	0.020779797	Dpm3
ENSMUSG00000090936.2	71.74111755	0.960975573	0.006668996	0.020779797	RP23-115O3.19
ENSMUSG00000070979.5	24.70260165	1.779010884	0.006670133	0.02078025	Act17a
ENSMUSG00000019295.8	1057.234543	0.273615782	0.006674545	0.020791012	Tmem129
ENSMUSG00000033751.5	909.1601633	0.312028269	0.006695457	0.020853158	Gadd45gip1
ENSMUSG00000031023.5	457.6993075	0.387678707	0.006697569	0.020856742	Akip1
ENSMUSG00000069895.4	3526.754261	-0.186444661	0.006701861	0.020867114	Atxn1l
ENSMUSG00000031479.9	2643.148387	-0.182697372	0.006708866	0.020885928	Vps36
ENSMUSG00000040387.16	123.9330846	-0.729062098	0.006723044	0.020924064	Klhl32
ENSMUSG00000078794.4	1465.005273	-0.231952746	0.006722816	0.020924064	Dact3
ENSMUSG00000020455.16	1812.76567	-0.206740809	0.006730703	0.020944898	Trim11
ENSMUSG00000026429.9	1877.630418	-0.233604708	0.006740694	0.020972981	Ube2t
ENSMUSG00000062866.16	758.1092413	-0.304958182	0.00674851	0.020994289	Phactr2
ENSMUSG00000114738.1	3548.041311	0.168759232	0.006749904	0.020995617	RP23-79G18.4
ENSMUSG00000004637.15	649.7565379	0.323928303	0.006755482	0.021009956	Wwox
ENSMUSG00000029521.7	2882.179887	0.176815642	0.006761409	0.021025376	Chek2
ENSMUSG00000020583.4	423.5207493	-0.398685931	0.006767404	0.02103799	Matn3
ENSMUSG00000024067.13	3176.433255	0.181674148	0.006767062	0.02103799	Dpy30
ENSMUSG00000000167.14	263.6214752	0.506629535	0.006772052	0.021046255	Pih1d2
ENSMUSG00000037461.10	4036.662953	-0.15644008	0.006772972	0.021046255	Ints7
ENSMUSG00000092470.1	10.9434508	2.88113188	0.006771563	0.021046255	RP23-372H6.5
ENSMUSG00000017376.15	4699.328134	-0.161155901	0.006776406	0.02105391	Nik
ENSMUSG00000026201.12	1687.640512	0.212600935	0.006780729	0.021064325	Stk16
ENSMUSG00000085376.1	72.16721277	0.995862196	0.006783295	0.021069281	RP23-400O10.6
ENSMUSG00000114500.1	845.688471	-0.295925948	0.006784861	0.021071129	RP23-170I24.7
ENSMUSG00000048911.15	537.4460255	0.355103425	0.006787501	0.021076311	Rnf24
ENSMUSG000000043518.7	148.7091358	-0.682249325	0.006806372	0.021131886	Rai2
ENSMUSG00000031207.16	9303.88924	-0.124460814	0.006808137	0.021134342	Msn
ENSMUSG00000020717.19	40.71599166	1.317107777	0.006837762	0.021223272	Pecam1
ENSMUSG00000037161.14	721.4597231	-0.339572339	0.006842118	0.021233755	Mgarp
ENSMUSG00000078880.10	1431.051779	-0.226992681	0.006843349	0.021234538	RP24-562O19.2
ENSMUSG00000031239.5	1973.872125	-0.210470683	0.006846203	0.021240356	Itm2a
ENSMUSG00000031232.16	3630.396825	0.170341748	0.006857059	0.021270997	Magt1
ENSMUSG00000025878.16	1797.073766	0.210383094	0.006878069	0.021333123	Uimc1

ENSMUSG00000028194.15	1186.108452	-0.24758551	0.00687958	0.021334761	Ddah1
ENSMUSG000000057914.15	427.5281288	-0.403075079	0.006905921	0.021413386	Cacnb2
ENSMUSG000000061079.14	1514.818934	0.223083408	0.006911804	0.021428566	Zfp143
ENSMUSG000000038145.17	838.2063342	0.292784244	0.006923973	0.021463229	Snrk
ENSMUSG000000028195.4	1980.930401	-0.216525442	0.006953616	0.021548962	Cyr61
ENSMUSG000000064032.2	63.24369516	1.041468693	0.006953532	0.021548962	AC132148.3
ENSMUSG000000024853.9	17239.69156	0.108176534	0.006961481	0.021570254	Sf3b2
ENSMUSG00000112117.1	24.66637456	-1.714711538	0.006974704	0.02160814	Rmst
ENSMUSG000000039953.13	15158.19605	-0.110508659	0.006980666	0.021623524	Clstn1
ENSMUSG000000021365.15	110.709398	-0.774439506	0.006991118	0.021652811	Nedd9
ENSMUSG000000034780.6	284.1494846	0.497195719	0.007003566	0.021688271	B3galt1
ENSMUSG000000031255.14	89.72913447	-0.846078507	0.007020198	0.021736672	Sytl4
ENSMUSG000000049107.13	45.61539461	-1.195491149	0.007038889	0.021791437	Ntf3
ENSMUSG000000069495.12	1482.152763	-0.22625432	0.007041308	0.021795814	Epc2
ENSMUSG000000041268.17	2045.436874	-0.214421153	0.007046315	0.021808203	Dmxl2
ENSMUSG00000108900.1	808.3065413	-0.293165667	0.007062045	0.021853772	RP23-457J22.1
ENSMUSG000000026851.9	1417.550118	0.237752209	0.007076259	0.021892015	RP23-221O14.10
ENSMUSG000000030303.15	188.4271849	0.591791917	0.007076421	0.021892015	Far2
ENSMUSG000000090707.8	236.4404934	-0.530489865	0.007085543	0.021917112	RP23-460G24.1
ENSMUSG000000020462.14	1678.459072	0.215238981	0.007098806	0.021955006	Cfap36
ENSMUSG000000069255.13	364.2577475	-0.431837102	0.007103041	0.021964976	Dusp22
ENSMUSG000000031351.15	559.0066149	-0.36619589	0.007113896	0.021993004	Zfp185
ENSMUSG000000067847.13	1064.005224	0.288409308	0.007114132	0.021993004	Romo1
ENSMUSG000000068962.7	247.0286884	-0.520974042	0.007127178	0.022030199	Zfp114
ENSMUSG000000020220.16	2662.046124	-0.182652022	0.007134185	0.022048716	Vps13d
ENSMUSG000000032097.10	12837.10912	-0.117998529	0.007136549	0.022052883	Ddx6
ENSMUSG000000052921.13	153.239236	-0.709380033	0.007143636	0.022071639	Arhgef15
ENSMUSG000000029822.15	888.6772336	-0.278087598	0.007150292	0.022089059	Osbp3
ENSMUSG000000036285.10	2050.280406	0.195700568	0.007156957	0.022106501	Noa1
ENSMUSG000000054894.6	238.8386631	0.522599096	0.007164774	0.022127498	Atp5s
ENSMUSG000000031016.9	2527.364211	-0.185248472	0.007171944	0.022146489	Wee1
ENSMUSG000000057667.7	721.7628667	0.305752347	0.007193701	0.022210513	Bloc1s3
ENSMUSG000000031858.16	4209.43518	0.150266888	0.007197127	0.022217931	Mau2
ENSMUSG000000052632.16	1704.64515	-0.21134192	0.007198823	0.022220005	Asap2
ENSMUSG000000031684.11	881.6383154	-0.284442535	0.007208095	0.022245461	Slc10a7
ENSMUSG000000022972.10	738.2785395	-0.3127705	0.007226822	0.022299484	RP24-100B13.1
ENSMUSG000000029298.15	74.14229396	-0.950346127	0.007227655	0.022299484	Gbp9
ENSMUSG000000035109.14	127.2959673	-0.718932167	0.007245332	0.022350845	Shc4
ENSMUSG000000071722.4	226.2186184	-0.53266277	0.007255236	0.022378218	Spin4
ENSMUSG000000035778.17	607.595678	-0.35937229	0.007272159	0.022427227	Ggta1
ENSMUSG000000026360.9	338.3106251	-0.440899251	0.007283335	0.022458501	Rgs2
ENSMUSG000000026662.13	4791.521075	-0.142083891	0.007298007	0.022500546	Sephs1
ENSMUSG000000037736.18	374.4580701	-0.420068554	0.007311851	0.022540026	Limch1
ENSMUSG000000021143.10	2397.746736	-0.187808687	0.007315602	0.022548388	Pacs2
ENSMUSG000000025140.15	3057.938516	-0.167131886	0.007347435	0.022640073	Pycr1
ENSMUSG000000074028.4	32.48122514	1.513127504	0.00734687	0.022640073	Slc22a13
ENSMUSG000000030905.5	585.3083275	-0.335341589	0.007350811	0.022644835	Crym
ENSMUSG000000049521.2	46.55205192	-1.172590349	0.007351067	0.022644835	Cdc42ep1
ENSMUSG000000028716.15	53.28386778	-1.159010873	0.007362025	0.02267537	Pdzk1ip1
ENSMUSG000000027099.9	2606.192727	0.177592189	0.007383475	0.022734986	Mtx2
ENSMUSG000000083465.1	282.5862642	0.487129144	0.007383095	0.022734986	RP23-35D7.1
ENSMUSG000000015354.8	766.3404976	-0.297351205	0.007387769	0.022743051	Pcolce2
ENSMUSG000000093661.1	659.2362605	-0.321237565	0.007388191	0.022743051	Eif4e3
ENSMUSG000000035585.16	4289.41048	-0.152178849	0.007403858	0.022788048	Tsen34
ENSMUSG000000048047.3	916.0080178	-0.289859986	0.007436047	0.022883876	Zbtb33
ENSMUSG000000032297.11	43.30734119	1.228236683	0.007452573	0.022931482	Celf6
ENSMUSG000000063856.7	1707.466847	0.211612059	0.007461352	0.02295524	Gpx1
ENSMUSG000000059070.16	51758.41159	0.11292974	0.007478152	0.023003664	Rpl18
ENSMUSG000000036840.5	1196.168437	-0.254278338	0.007482003	0.023012248	Siah1a
ENSMUSG000000018387.12	150.3206896	-0.668455388	0.007496325	0.023053032	Shroom1
ENSMUSG000000028568.16	4406.091297	-0.145985562	0.007504928	0.023076217	Btf3l4
ENSMUSG00000110460.1	447.9143098	0.38671123	0.007517923	0.0231129	RP23-478P10.2
ENSMUSG000000036528.15	437.6017355	-0.383930279	0.007521403	0.023120323	Ppflbp2
ENSMUSG00000104414.1	9.695636219	3.021595539	0.007523101	0.023122268	RP24-68C1.3
ENSMUSG000000017146.12	7615.874936	-0.129031827	0.007533265	0.02315023	Brca1
ENSMUSG00000005262.13	2026.463992	0.201743309	0.007541408	0.023168692	Ufd1l
ENSMUSG000000037475.15	3937.741859	-0.162356141	0.00754129	0.023168692	Thoc2
ENSMUSG000000033423.16	1586.051617	-0.216542226	0.007550225	0.023192496	Eri3
ENSMUSG000000029635.15	4646.919248	-0.153316817	0.007554629	0.02320274	Cdk8
ENSMUSG000000021619.6	133.2088969	0.717048425	0.007558395	0.023211021	Atg10

ENSMUSG00000078853.8	165.8731183	-0.616772296	0.00756253	0.023220432	Igtp
ENSMUSG00000078619.10	2971.380188	0.174136631	0.00757009	0.023240358	Smarcd2
ENSMUSG00000049658.13	4550.909689	0.185317384	0.007596086	0.023316869	Bdp1
ENSMUSG00000053536.6	2346.723713	0.185351152	0.007609789	0.023355627	Cstf2t
ENSMUSG00000074088.6	4417.472569	0.147453316	0.00761165	0.023358035	Snrnp40
ENSMUSG00000021294.7	1447.646514	-0.252996129	0.007613921	0.023361701	Kif26a
ENSMUSG00000021226.7	555.5617406	-0.355227541	0.007618882	0.023368203	Acot2
ENSMUSG00000024109.18	292.4753764	-0.464944902	0.00761935	0.023368203	Nrxn1
ENSMUSG00000038756.13	52.7689573	-1.095198844	0.007619705	0.023368203	Ttl6
ENSMUSG00000041881.12	4087.938609	0.187594587	0.007620347	0.023368203	Ndufa7
ENSMUSG00000034587.8	200.9463643	-0.580769982	0.007622162	0.023370468	RP23-17N7.4
ENSMUSG00000004317.14	6668.566992	0.130873034	0.007631416	0.023395536	Clcn5
ENSMUSG00000092490.7	318.8310554	0.452040935	0.007632909	0.023396806	RP24-421K16.1
ENSMUSG00000032064.17	421.5090636	-0.413223962	0.007672181	0.023513863	Dixdc1
ENSMUSG00000025591.6	2487.533392	0.191330111	0.007676965	0.023521883	Tma16
ENSMUSG00000040998.18	991.0747476	-0.264939835	0.007676141	0.023521883	Npnt
ENSMUSG00000083011.1	12420.47914	-0.144548911	0.007699153	0.023586535	RP23-219O14.2
ENSMUSG00000020929.14	14548.38223	0.107607111	0.007709646	0.023615349	Eftud2
ENSMUSG00000100594.1	35.58667833	1.390391637	0.007722693	0.023651972	RP23-370J16.1
ENSMUSG00000005089.15	49.82160456	-1.158543052	0.007731903	0.023676838	Slc1a2
ENSMUSG00000038902.14	5070.948644	0.157339327	0.00775221	0.023735674	Pogz
ENSMUSG00000033847.15	152.3179733	0.650695857	0.007796182	0.02386694	Pla2g4c
ENSMUSG00000044501.17	364.7258078	0.419627024	0.007810249	0.023906632	Zfp758
ENSMUSG00000089628.1	677.1694827	0.31964615	0.007838288	0.023989074	AC134411.3
ENSMUSG00000066553.5	2218.259608	0.187708991	0.007842466	0.023998476	RP23-431C5.1
ENSMUSG00000026701.15	13234.79273	0.109521223	0.007847247	0.024001968	Prdx6
ENSMUSG00000030589.15	470.9227857	-0.371354088	0.007845303	0.024001968	Rasgrp4
ENSMUSG00000084846.1	61.76261704	1.024696282	0.007848031	0.024001968	AC087062.7
ENSMUSG00000097086.1	80.30764864	0.896063276	0.007847251	0.024001968	RP23-193J20.5
ENSMUSG00000038546.9	1703.042585	-0.207177494	0.007863186	0.024044931	Ranbp9
ENSMUSG00000062785.14	1511.835806	-0.229869767	0.007865871	0.024049752	Kcnc3
ENSMUSG00000031667.16	1764.805222	0.205336259	0.007870333	0.024060003	Aktip
ENSMUSG00000027855.13	362.7667031	-0.467299794	0.007875125	0.024071261	Sypc1
ENSMUSG00000025956.10	563.1163672	-0.342274841	0.007883823	0.024094454	Mettl21a
ENSMUSG00000078427.3	4185.801751	0.154076637	0.00790378	0.024152047	Sarnp
ENSMUSG00000045751.16	3286.263883	-0.165457386	0.007917868	0.024191691	Mms22l
ENSMUSG00000042524.14	1270.910969	0.236106304	0.007928079	0.024219479	Sun2
ENSMUSG00000040751.12	40.14565749	1.300759469	0.007932723	0.024230255	Lat2
ENSMUSG00000024391.7	18.3825252	1.992715349	0.007938313	0.024243916	Apom
ENSMUSG00000038812.16	2565.896768	0.181086837	0.007952991	0.024285325	Trmt112
ENSMUSG00000080981.1	671.3110135	0.31527868	0.007957399	0.024295369	RP23-48J15.2
ENSMUSG00000021499.12	19.06254821	1.924922769	0.007966458	0.024319606	Catsper3
ENSMUSG00000028330.8	6977.428259	-0.128305442	0.007996189	0.024406933	Ncbp1
ENSMUSG00000029851.5	388.1959124	0.407548082	0.008004032	0.024427437	Tcaf2
ENSMUSG00000055485.6	766.6083938	-0.295805074	0.008029286	0.024501063	Soga1
ENSMUSG00000022698.17	9699.983568	-0.124352494	0.008033416	0.024510221	Naa50
ENSMUSG00000038578.15	228.980267	-0.521043315	0.008043345	0.024537065	Susd1
ENSMUSG00000027255.14	1390.949478	0.225894412	0.008047295	0.024545665	Arfgap2
ENSMUSG00000020994.5	7929.854959	-0.125377485	0.008059427	0.024579213	Pnn
ENSMUSG00000079197.10	2291.959286	-0.183334397	0.008064945	0.024592587	Psme2
ENSMUSG00000044707.7	531.6427098	-0.349122988	0.008066376	0.024593495	Ccnjl
ENSMUSG00000016756.17	256.7772904	-0.492990749	0.008072263	0.024607986	Cmah
ENSMUSG00000008136.14	350.4889488	-0.425427283	0.008084626	0.024642214	Fhl2
ENSMUSG00000014074.17	2395.66372	-0.194411179	0.008123245	0.024756447	Rnf168
ENSMUSG00000038916.7	291.5075068	-0.471595997	0.008126996	0.024764401	Soga3
ENSMUSG00000033396.13	2166.531391	-0.187615907	0.008152836	0.024839653	Spg11
ENSMUSG00000097258.1	300.1927616	0.472449325	0.008154541	0.02484136	Gm26767
ENSMUSG00000048796.7	264.2126039	-0.487685839	0.008160719	0.024856691	Cyb561d1
ENSMUSG00000026596.13	5413.805617	-0.175551022	0.008180613	0.024913789	Abl2
ENSMUSG00000022893.14	620.3929863	-0.324997088	0.008191716	0.024944103	Adams1
ENSMUSG00000116620.1	9162.917181	0.127448774	0.008193172	0.024945035	RP23-373O10.2
ENSMUSG00000104882.1	275.3434591	0.477024852	0.008195407	0.024948342	RP23-397C5.5
ENSMUSG00000039018.15	1046.269426	0.255015049	0.008218435	0.025014932	Mtg1
ENSMUSG00000021238.11	1139.720627	0.251612622	0.008243689	0.025088283	Aldh6a1
ENSMUSG00000024989.14	1419.934924	0.223999426	0.00825604	0.025122347	Cep55
ENSMUSG00000067916.9	897.28094	-0.271402739	0.00826845	0.025156581	RP23-360J20.1
ENSMUSG00000042305.12	4295.142781	0.145443239	0.008291535	0.025223283	Tmem183a
ENSMUSG00000031843.2	1845.796834	-0.198720369	0.008293986	0.0252234	Mphosph6
ENSMUSG00000078899.9	1430.13958	-0.221569949	0.00829438	0.0252234	RP23-166A1.4
ENSMUSG00000100164.1	151.2870751	0.63864557	0.008295061	0.0252234	RP24-467O4.1

ENSMUSG00000034379.9	57.47156697	1.073328329	0.008298656	0.025230798	Wdr5b
ENSMUSG00000002393.14	592.5134232	-0.350858538	0.008316943	0.025282853	Nr2f6
ENSMUSG000000042523.12	410.6213808	-0.433013273	0.008327079	0.025310122	Dnal1
ENSMUSG000000028180.18	6462.934529	-0.129945742	0.008329653	0.025314399	Zranb2
ENSMUSG00000010290.7	2291.718949	0.195229393	0.008340863	0.025344492	AC161207.1
ENSMUSG000000028773.8	1620.144656	0.211702708	0.008348509	0.025364599	Fabp3
ENSMUSG000000102976.6	788.4975527	-0.298363561	0.008355845	0.025383336	Zc3h11a
ENSMUSG000000020063.16	4022.384171	-0.158232253	0.008360942	0.025395264	Sirt1
ENSMUSG000000021981.10	1550.552468	0.215041454	0.008364378	0.025395442	Cab39l
ENSMUSG000000023764.18	1430.469341	-0.231804079	0.008362796	0.025395442	Sfi1
ENSMUSG000000068290.11	2498.553046	0.182074534	0.008364511	0.025395442	Ddrgk1
ENSMUSG00000000126.11	57.69535717	1.057978825	0.008396155	0.025485578	Wnt9a
ENSMUSG000000116223.1	49.10110848	1.169076925	0.008396548	0.025485578	RP23-278C10.9
ENSMUSG000000022091.6	208.147492	-0.559993659	0.008407219	0.025514398	Sorbs3
ENSMUSG000000051166.10	2824.335126	-0.194117537	0.008433956	0.025591963	Eml5
ENSMUSG000000081778.1	242.9658166	-0.530901773	0.008448288	0.025631866	RP23-199A9.2
ENSMUSG000000004846.10	3365.062066	-0.158545788	0.008459217	0.025661437	Plod3
ENSMUSG000000045273.8	1925.01298	0.197719606	0.008464777	0.025674716	Cenph
ENSMUSG000000041064.13	1513.315125	0.21833254	0.008470632	0.025688883	Pif1
ENSMUSG000000032177.17	346.0510916	-0.428576748	0.008473828	0.025694986	Pde4a
ENSMUSG000000074847.2	24.30414991	1.663014686	0.008481644	0.025715093	RP23-414P13.5
ENSMUSG000000083101.1	4522.966855	0.148370283	0.008486286	0.025725573	RP23-454A14.9
ENSMUSG000000109609.1	403.5614845	-0.410245633	0.008495112	0.025748732	RP23-397L11.5
ENSMUSG000000037296.7	1083.516431	0.251977699	0.008505912	0.025777866	Lsm1
ENSMUSG000000021076.6	2472.030438	0.176983105	0.008519724	0.02581612	Actr10
ENSMUSG000000116083.1	184.7796634	-0.598731225	0.008528899	0.025840313	RP23-283E23.1
ENSMUSG000000089967.1	160.0748125	0.619930301	0.008531465	0.025844481	RP23-187M7.2
ENSMUSG000000025241.16	891.5248761	0.274648488	0.008542078	0.025871157	Fyco1
ENSMUSG000000047866.18	1375.192727	0.256661589	0.008542656	0.025871157	Lonp2
ENSMUSG000000024571.14	4279.48757	0.147255832	0.008549573	0.025888495	AC131065.2
ENSMUSG000000074483.2	8.433163314	3.276514627	0.008561518	0.025921045	Bglap
ENSMUSG000000033918.16	4238.318168	0.14469244	0.008565221	0.025926576	Parl
ENSMUSG000000105852.4	78.93285451	0.883214369	0.008565733	0.025926576	RP23-169H9.3
ENSMUSG000000057378.15	81.20685616	-0.912533986	0.008569566	0.025934558	Ryr3
ENSMUSG000000022844.8	1983.174106	-0.202566087	0.008576062	0.025950598	Pdia5
ENSMUSG000000080824.1	264.2778067	0.548375533	0.008587369	0.025980132	RP23-142G18.1
ENSMUSG000000111977.1	87.29742251	0.898349974	0.008588216	0.025980132	RP24-373J20.5
ENSMUSG000000036181.2	95.30297889	0.80693162	0.008597818	0.026005555	Hist1h1c
ENSMUSG000000025225.14	997.789448	0.263876709	0.008604553	0.026022297	Nfkb2
ENSMUSG000000002679.14	1038.562716	0.255366379	0.008617247	0.026053425	Med6
ENSMUSG000000083337.1	13864.67154	0.128034541	0.00861652	0.026053425	RP23-85A17.3
ENSMUSG000000041679.9	95.16924748	-0.827305821	0.008625853	0.026075812	Lrrc29
ENSMUSG000000109006.2	27.78391937	-1.515929704	0.008639468	0.026113335	RP23-407N2.2
ENSMUSG000000041552.7	314.7917151	-0.4417504	0.008659697	0.026170832	Ptchd1
ENSMUSG000000020848.7	67.74378732	0.961152066	0.008668436	0.02619022	Doc2b
ENSMUSG000000028207.18	5467.99215	-0.141735747	0.008669733	0.02619022	Asph
ENSMUSG000000030872.14	7830.744437	0.123310073	0.008669392	0.02619022	Gga2
ENSMUSG000000056043.5	235.1410645	-0.515588386	0.008699324	0.026275955	Rgs9bp
ENSMUSG000000025232.8	21.8916151	1.756038472	0.008707693	0.026297573	Hexa
ENSMUSG000000089844.7	53.57168713	-1.082961081	0.008711185	0.026304458	AC167036.3
ENSMUSG000000042423.9	1610.476317	-0.211685557	0.008742511	0.026395378	Fbrs
ENSMUSG000000015120.15	18515.95801	0.107234339	0.008744695	0.026398298	Ube2i
ENSMUSG000000021548.10	1997.31546	0.191848447	0.008748377	0.026405742	Ccnh
ENSMUSG000000026443.3	87.98034657	-0.829230465	0.00876099	0.026436456	Lrrn2
ENSMUSG000000081805.1	322.1420889	0.441094043	0.008760849	0.026436456	RP24-179I4.2
ENSMUSG000000084166.1	529.01508	-0.351994632	0.008767656	0.026452896	RP23-105P9.4
ENSMUSG000000020838.12	24.39333462	-1.710349604	0.008781897	0.026492178	Slc6a4
ENSMUSG000000028701.4	163.3758629	-0.633331877	0.008797698	0.026536156	Lurap1
ENSMUSG000000042156.16	838.2690399	-0.289176046	0.008799632	0.026538302	Dzip1
ENSMUSG000000034480.18	744.0455389	0.296476811	0.008815696	0.026583052	Diaph2
ENSMUSG000000052364.4	49.09585773	-1.119873	0.00882325	0.026602136	RP23-245M18.4
ENSMUSG000000013921.15	2464.885188	0.175505599	0.00884314	0.026650995	Clip3
ENSMUSG000000061559.15	2351.051741	0.180389814	0.008842277	0.026650995	Wdr61
ENSMUSG000000063273.11	9053.708702	0.123466091	0.008840694	0.026650995	Naa15
ENSMUSG000000078786.9	389.6147087	0.403522559	0.008845798	0.026655306	AC157561.9
ENSMUSG000000020807.14	1449.840322	-0.22197855	0.008853916	0.026676063	RP23-207N15.3
ENSMUSG00000000120.6	167.3858327	0.620669501	0.00886044	0.02668831	Ngfr
ENSMUSG000000039684.9	2101.799609	0.187144651	0.008860436	0.02668831	RP24-86H7.2
ENSMUSG000000034333.15	3511.998777	0.154420793	0.008872376	0.026718594	Zbed4
ENSMUSG000000082179.1	934.228111	0.276703771	0.008872957	0.026718594	RP23-42C15.1

ENSMUSG00000005417.17	9039.992822	0.117664406	0.008880693	0.026738181	Mprip
ENSMUSG000000044647.16	515.6564656	-0.357407924	0.008905926	0.026810432	Csrnp3
ENSMUSG000000051590.9	6.829378363	4.629094936	0.00891621	0.026837669	Map3k19
ENSMUSG000000103222.1	6.905434993	4.64988775	0.008931215	0.026879105	RP24-188H2.6
ENSMUSG000000055027.17	100.9748618	0.777608245	0.008952143	0.026938352	Smyd1
ENSMUSG000000111080.1	431.643112	-0.383255751	0.008953437	0.026938513	RP23-128C4.4
ENSMUSG00000004951.10	1531.990192	-0.235371243	0.008961745	0.02695977	Hspb1
ENSMUSG000000057411.8	1118.029351	0.245674353	0.008963432	0.026961108	Fam173a
ENSMUSG000000074876.5	369.5032042	0.411096739	0.008976368	0.026996276	Spata5l1
ENSMUSG000000054770.16	739.1678075	0.294245502	0.008986309	0.02702243	Kctd18
ENSMUSG000000020134.13	3701.381377	-0.157250253	0.008992522	0.027037367	Peli1
ENSMUSG000000035513.19	78.7910617	-0.872548348	0.009014956	0.027101064	Ntng2
ENSMUSG000000029603.15	767.5838855	-0.299555302	0.009019085	0.027109721	Dtx1
ENSMUSG000000071052.3	1240.319066	0.253439606	0.009042352	0.027175892	Rpl7a-ps5
ENSMUSG000000049858.8	341.6444164	0.43472995	0.009060051	0.027225233	Suox
ENSMUSG000000107020.1	504.7707266	0.354986072	0.009061278	0.027225233	RP24-445F15.1
ENSMUSG000000097583.2	30.41416967	1.438333807	0.009068719	0.027243817	RP23-200C3.5
ENSMUSG000000068617.5	71.5648957	-0.918087142	0.009072507	0.027251425	Efcab1
ENSMUSG000000025971.6	674.9597575	0.307668525	0.009079709	0.027268987	Maip1
ENSMUSG000000095620.7	52.50735205	1.108681231	0.009080867	0.027268987	RP24-455C11.4
ENSMUSG000000098211.2	22.94235659	1.731871426	0.00908608	0.027280866	RP23-76C13.7
ENSMUSG000000016200.14	1860.045524	0.203607764	0.009108929	0.027345687	Syt14
ENSMUSG000000032281.11	62.09911758	-0.982835682	0.009113702	0.027356232	Acsbg1
ENSMUSG000000027642.15	11357.2613	0.121383919	0.009119304	0.027369261	Rpn2
ENSMUSG000000019731.13	3148.22233	-0.16119256	0.009139601	0.027426385	Slc35e1
ENSMUSG000000078689.8	342.3165952	-0.432041452	0.00915012	0.027454156	Mup6
ENSMUSG000000074918.4	388.4655993	-0.401191865	0.009157347	0.02747204	Inafm2
ENSMUSG000000055172.10	60.35454699	-1.018396069	0.009171488	0.027510661	C1ra
ENSMUSG000000031820.9	2688.500073	0.171883594	0.009175172	0.027517909	Babam1
ENSMUSG000000031549.16	36.7752789	-1.300105038	0.009181977	0.027534512	Ido2
ENSMUSG000000061859.16	981.7923006	-0.257995016	0.009206128	0.027603122	Inadl
ENSMUSG000000020810.5	14.79903619	2.202989635	0.009212358	0.027614171	Cygb
ENSMUSG000000048677.9	916.1771743	0.27342515	0.009211281	0.027614171	Tpcn2
ENSMUSG000000020284.16	577.5520989	0.329150688	0.009213903	0.027614987	RP23-39I3.2
ENSMUSG000000021311.9	4005.173962	0.165808085	0.009222302	0.027636344	Mtr
ENSMUSG000000025144.17	1130.224242	0.246965461	0.009225416	0.027641859	Stra13
ENSMUSG000000021431.15	4557.373471	-0.14182127	0.009235404	0.027667965	Snrnp48
ENSMUSG000000038535.17	1569.754365	-0.213593355	0.009241207	0.027681527	Zfp280d
ENSMUSG000000039157.12	587.8177232	0.341672598	0.009272602	0.027771736	Fam102a
ENSMUSG000000028986.12	1714.355934	-0.205231804	0.009292072	0.027826211	Klhl7
ENSMUSG000000051255.5	3182.652253	0.160120529	0.009306787	0.02786643	Gm6563
ENSMUSG000000024593.15	177.093827	-0.604661855	0.009325794	0.02791949	Megf10
ENSMUSG000000032826.17	2547.879376	-0.17467853	0.009346045	0.027976257	Ank2
ENSMUSG000000001918.17	9926.352755	-0.11851824	0.009384658	0.028080643	Slc1a5
ENSMUSG000000021090.16	261.4697676	0.490749236	0.009386093	0.028080643	Lrrc9
ENSMUSG000000036639.12	663.0692719	0.314088263	0.009385055	0.028080643	Nudt1
ENSMUSG000000071054.12	9030.073612	-0.114937275	0.009383045	0.028080643	Safb
ENSMUSG000000034690.13	100.6369703	0.781381003	0.00939978	0.028117714	Nlrp4c
ENSMUSG000000060227.15	4470.580453	0.143584363	0.009403784	0.028125816	Casc4
ENSMUSG000000023984.17	20.23079589	1.809162016	0.009418162	0.028164938	RP23-345D6.11
ENSMUSG000000019467.15	2755.263546	-0.166827795	0.009430948	0.02819929	Arhgef25
ENSMUSG000000074026.3	52.72925504	-1.065800891	0.009447824	0.028245858	Gm6091
ENSMUSG000000001943.8	12.68720044	2.535421626	0.009495465	0.028384379	Vsig2
ENSMUSG000000086485.2	7.304617889	3.680815349	0.009516775	0.028444161	RP24-535N4.1
ENSMUSG000000024589.16	1283.738553	-0.227408547	0.009551769	0.028544822	Nedd4l
ENSMUSG000000025229.15	16.16864687	2.041499622	0.009563581	0.028576187	Pitx3
ENSMUSG000000054455.4	6806.265221	0.123615887	0.009582626	0.02862915	Vapb
ENSMUSG000000025776.13	67.10956817	-1.055001721	0.009587535	0.028638034	Crispld1
ENSMUSG000000040213.13	655.9190572	-0.321051274	0.009588239	0.028638034	Ccbl2
ENSMUSG000000002249.20	529.5500844	-0.344394477	0.009596842	0.028659787	Tead3
ENSMUSG000000040396.12	2333.31784	-0.18356983	0.009601626	0.028670129	Abhd13
ENSMUSG000000052906.7	1573.963692	-0.208822079	0.009629564	0.028749595	Ubxn8
ENSMUSG000000053198.13	324.7223728	-0.442481679	0.009631666	0.028751915	Prx
ENSMUSG000000106106.2	38808.41059	0.119461323	0.00964994	0.028802504	Rn18s-rs5
ENSMUSG000000003282.9	1328.857346	-0.24736194	0.00965795	0.028822445	Plag1
ENSMUSG000000103735.1	881.6290954	-0.277087331	0.009665991	0.028842478	RP23-187F18.1
ENSMUSG000000106262.1	145.6643723	-0.647757927	0.009676792	0.028870736	RP23-49O17.4
ENSMUSG000000028106.13	2570.134876	0.196334298	0.009692796	0.028914508	Rprd2
ENSMUSG00000000308.14	88.42710603	-0.819976367	0.00969937	0.028930143	Ckmt1
ENSMUSG000000027894.14	83.735978	-0.881184323	0.00973193	0.02902327	Slc6a17

ENSMUSG00000064043.13	1556.542627	-0.222207541	0.009756936	0.029093848	Trerf1
ENSMUSG00000026220.6	73.40790883	-0.912917113	0.009762941	0.029107754	Slc16a14
ENSMUSG00000025592.17	112.7539622	-0.722534869	0.009765205	0.029110504	Dach2
ENSMUSG00000030779.16	6800.172913	0.132009297	0.009769	0.029117819	Rbbp6
ENSMUSG00000029763.17	2497.166935	0.173761389	0.009779968	0.029142505	Exoc4
ENSMUSG00000094090.2	2551.863777	-0.171662303	0.009779869	0.029142505	RP23-21B19.9
ENSMUSG00000084131.1	18442.96049	-0.120091203	0.009789772	0.029167715	Rpl3-ps2
ENSMUSG00000048376.6	2805.458884	-0.171046803	0.009824502	0.029267172	F2r
ENSMUSG00000031939.16	7167.47972	-0.124950286	0.009843866	0.029320833	Taf1d
ENSMUSG00000022184.8	75.43156478	0.906517486	0.009875728	0.0294117	Fbxo4
ENSMUSG00000020273.13	1664.162052	0.204051167	0.009884716	0.029426353	Papolg
ENSMUSG00000027263.12	1154.958817	-0.242734996	0.009884144	0.029426353	Tubgcp4
ENSMUSG00000095847.1	2275.985251	0.185949617	0.009882521	0.029426353	RP24-94N16.2
ENSMUSG00000051355.18	1451.251462	0.227823573	0.009889834	0.02943755	Commd1
ENSMUSG00000022673.5	8778.391229	0.117040736	0.009894354	0.029446964	Mcm4
ENSMUSG00000033961.16	471.3092356	-0.358197741	0.009907275	0.029481376	Zfp446
ENSMUSG00000024242.14	1749.62501	-0.200057774	0.00990947	0.029483865	Map4k3
ENSMUSG00000056214.8	537.5927944	0.341839059	0.009929054	0.029538084	Pard6g
ENSMUSG00000000876.11	590.4475624	0.322717988	0.009932853	0.029541286	Pxmp4
ENSMUSG00000020682.17	36.67417988	-1.332129573	0.009931781	0.029541286	Mmp28
ENSMUSG00000028394.9	1650.289473	0.208811394	0.009946097	0.029576623	Pole3
ENSMUSG000000107756.1	149.8655612	-0.623429042	0.009951978	0.029590057	RP24-359O2.7
ENSMUSG00000028443.6	840.7092439	0.279041739	0.009959363	0.029604315	Nudt2
ENSMUSG00000040524.9	7264.419019	-0.138171145	0.009959502	0.029604315	Zfp609
ENSMUSG00000029769.16	1459.978889	0.222951033	0.009979482	0.029659644	Ccdc136
ENSMUSG00000084838.3	10495.13425	0.116882372	0.009985016	0.029672028	RP24-241C15.1
ENSMUSG00000006205.13	599.946485	0.32633494	0.009988791	0.029679181	Htra1
ENSMUSG00000024580.7	1803.999829	0.202106903	0.009995409	0.029694779	Grpel2
ENSMUSG00000098196.1	46.46484723	-1.133214053	0.010003173	0.029713779	RP23-70A15.5
ENSMUSG00000028703.14	1013.737508	0.257031947	0.01001586	0.029743321	Lrrc41
ENSMUSG00000063060.6	16.19530262	-1.984695408	0.01001528	0.029743321	Sox7
ENSMUSG00000075288.2	241.2985067	0.496235829	0.010022491	0.029758941	RP23-379C1.2
ENSMUSG00000090290.2	1734.130442	-0.200039922	0.010027357	0.029769315	RP23-109A22.2
ENSMUSG00000000365.9	152.3869765	0.629737218	0.01003568	0.02978995	Rnf17
ENSMUSG00000072381.3	612.3438241	0.343635083	0.010045887	0.029812093	RP23-347G20.2
ENSMUSG000000102278.1	36.51378816	1.293012775	0.010045385	0.029812093	RP23-157J4.3
ENSMUSG00000022044.14	16.65259729	2.106949453	0.010047609	0.029813128	Stmn4
ENSMUSG000000108608.1	915.3249381	0.287614816	0.010058101	0.029840179	RP23-412J12.1
ENSMUSG00000035047.9	1279.359765	0.233882293	0.010059994	0.029841716	Kri1
ENSMUSG000000027222.14	557.4492652	0.333907383	0.010072238	0.029873952	Pex16
ENSMUSG00000065552.1	32.69695922	-1.356439935	0.010079714	0.02989204	Mir302a
ENSMUSG00000065613.1	53.73318396	-1.104205024	0.010090562	0.029918698	Mir92-2
ENSMUSG000000112441.1	47.05235103	-1.15874189	0.01009146	0.029918698	RP23-135A22.4
ENSMUSG00000026603.13	1024.377164	-0.251743299	0.010103245	0.029949545	Smyd2
ENSMUSG00000005225.15	2415.065661	-0.183085881	0.01015576	0.030080926	Plekha8
ENSMUSG00000022472.16	2368.378225	0.180843984	0.010151738	0.030080926	Desi1
ENSMUSG00000027242.14	2485.062376	-0.172111744	0.010155882	0.030080926	Wdr76
ENSMUSG00000032396.17	744.3368494	-0.3014123	0.010154574	0.030080926	Dis3l
ENSMUSG00000061130.12	4770.246095	-0.142092532	0.010155614	0.030080926	Ppm1b
ENSMUSG00000081999.3	10072.83983	0.11302376	0.010154751	0.030080926	RP23-328P7.1
ENSMUSG00000070814.15	534.4430173	-0.351285683	0.010161713	0.030094091	AC161792.1
ENSMUSG00000040550.16	3570.681181	0.167370716	0.010163888	0.030096424	Otud6b
ENSMUSG000000102463.1	298.7616831	0.446343817	0.010169468	0.03010884	RP23-463B12.1
ENSMUSG00000070695.4	65.58722003	-1.02729491	0.010174981	0.030121052	Cntnap5a
ENSMUSG00000046449.15	276.3636875	-0.50110624	0.010178438	0.030127177	RP23-35L3.1
ENSMUSG00000020288.13	1314.807917	-0.225664822	0.010180294	0.030128516	Ahsa2
ENSMUSG00000024862.16	2893.504995	0.164524069	0.01018192	0.030128516	Klc2
ENSMUSG00000025579.14	4527.295061	0.140571071	0.010183055	0.030128516	Gaa
ENSMUSG00000057440.7	1274.934173	0.241117072	0.010197822	0.030168094	Mpp7
ENSMUSG00000040690.15	119.6595273	-0.701710276	0.01021705	0.030220855	Col16a1
ENSMUSG00000044338.9	157.9746553	-0.628682307	0.010221152	0.030228869	Aplnr
ENSMUSG00000074634.12	294.175247	0.465373533	0.010231693	0.03025592	Tmem267
ENSMUSG00000040746.15	3730.871025	0.148435576	0.010252393	0.030313	Rnf167
ENSMUSG00000041362.16	165.2874103	-0.597287732	0.010274803	0.030375121	Shtn1
ENSMUSG00000057406.16	8261.963152	-0.127802124	0.01027713	0.030377863	Nsd2
ENSMUSG00000079467.8	24.00606758	1.658105595	0.01028361	0.030392878	AC127556.10
ENSMUSG00000022551.8	8584.899092	0.120451696	0.010285451	0.0303936	Cyc1
ENSMUSG00000037243.17	2217.590519	-0.185972235	0.010286655	0.0303936	Zfp692
ENSMUSG00000039901.9	923.6399361	0.263368769	0.010290277	0.030400163	9130011E15Rik
ENSMUSG00000046952.8	149.8489917	-0.644864364	0.010299322	0.030422742	Gm5815

ENSMUSG00000001555.10	1769.176489	-0.215670342	0.010309693	0.030449231	Fkbp10
ENSMUSG000000078495.10	2208.711835	-0.195136875	0.010312192	0.030452467	RP23-282C23.7
ENSMUSG000000032118.16	613.7503291	-0.315917622	0.010315337	0.030453547	Fez1
ENSMUSG000000034807.9	5786.974701	-0.128112437	0.010315364	0.030453547	Colgalt1
ENSMUSG000000020542.18	128.7468181	-0.690929019	0.010325615	0.030479665	Myocd
ENSMUSG000000038526.14	4377.521616	-0.140388005	0.010344279	0.030530607	Car14
ENSMUSG000000051716.6	24.39226533	1.594499059	0.010347607	0.030536276	Apon
ENSMUSG000000063412.4	10291.14021	0.111734646	0.010353568	0.030549711	RP23-99B10.2
ENSMUSG000000104671.1	26.61560135	1.584942116	0.010396837	0.030673214	RP23-106G24.2
ENSMUSG000000040795.12	556.1928443	-0.333387905	0.010400132	0.030678764	lqcc
ENSMUSG000000059775.5	24214.57355	0.123037144	0.010405784	0.030691263	Rps26-ps1
ENSMUSG000000098912.7	685.219838	0.305329355	0.010408122	0.03069399	RP23-199B2.4
ENSMUSG000000030802.14	3067.776215	0.158871054	0.010414298	0.03070803	Bckdk
ENSMUSG000000114369.1	74.48544155	-0.891109535	0.010436763	0.030770089	RP24-67N17.5
ENSMUSG000000042834.14	1548.425429	-0.220114555	0.010443396	0.030785463	Nrep
ENSMUSG00000007033.4	70.11479997	0.931703533	0.010496162	0.030936806	Hspa1l
ENSMUSG000000083545.2	540.3914861	-0.344241341	0.010516818	0.030993479	RP23-211O3.5
ENSMUSG000000028747.10	93.01358194	-0.78619102	0.010525987	0.031012078	Htr6
ENSMUSG000000038900.17	46482.84336	-0.113468999	0.010525009	0.031012078	Rpl12
ENSMUSG000000048537.16	3273.277464	-0.154807632	0.010536897	0.031040007	Phldb1
ENSMUSG000000100241.1	196.5484599	-0.552731533	0.010578588	0.031158592	Slc18a3
ENSMUSG000000016833.14	709.2711313	0.313171397	0.010592117	0.031194209	Mrps18c
ENSMUSG000000073616.10	1472.283215	0.213312723	0.010599915	0.031212937	Cops9
ENSMUSG000000022307.16	2080.943059	-0.18355482	0.010631048	0.031300366	Oxr1
ENSMUSG000000006390.15	1441.924778	0.216457332	0.010641234	0.031326107	Elov1
ENSMUSG000000055900.14	384.703639	-0.393086555	0.010649054	0.031344876	Tmem69
ENSMUSG000000083736.1	1383.14823	-0.218185471	0.010657237	0.031364708	RP23-153K9.2
ENSMUSG000000032872.16	1841.962051	0.200247157	0.010661762	0.03137377	Cyb5r4
ENSMUSG000000021665.9	1817.554852	0.193405855	0.01066374	0.031375337	Hexb
ENSMUSG000000041189.9	207.8348809	-0.53773629	0.010665279	0.031375613	Chrnbl
ENSMUSG000000058388.14	1025.478885	-0.256359247	0.010671527	0.031389738	Phf1
ENSMUSG000000009596.9	7.353867629	3.675326412	0.010679898	0.031410103	Taf7l
ENSMUSG000000023050.9	801.0004468	0.28222048	0.010775894	0.031688138	Map3k12
ENSMUSG000000024592.15	167.6329211	0.595693857	0.010782272	0.031702597	AC109152.2
ENSMUSG000000030649.18	630.3771622	0.332927115	0.010787703	0.03171427	Anapc15
ENSMUSG000000037098.17	2974.488438	-0.174482483	0.010809487	0.031774006	Rab11fip3
ENSMUSG000000109408.1	93.09909627	-0.789177091	0.010815852	0.031788409	RP23-25M3.6
ENSMUSG000000037887.11	103.9308185	0.756942464	0.010818267	0.031791202	Dusp8
ENSMUSG000000004791.7	1259.077276	-0.225349787	0.010833887	0.031832794	Pgf
ENSMUSG000000112169.1	7.122277257	3.639897396	0.010836631	0.031836547	RP23-149M9.4
ENSMUSG000000075031.4	43.55357424	1.202043146	0.010851351	0.031875475	Hist1h2bb
ENSMUSG000000068250.13	1429.862457	0.221743669	0.010867092	0.031917394	Amn1
ENSMUSG000000058291.14	841.3147482	0.270036373	0.010878173	0.031945617	Zfp68
ENSMUSG000000035697.14	1229.792094	-0.227841646	0.010923926	0.03207564	Arhgap45
ENSMUSG00000006335.16	791.2643708	0.293390022	0.010943219	0.03212794	Tfpt
ENSMUSG000000021754.17	2628.444338	-0.17093992	0.01096834	0.032197337	Map3k1
ENSMUSG000000108702.1	1498.906281	0.214579796	0.010981746	0.03223233	RP24-427A8.1
ENSMUSG000000025016.10	13067.9833	0.108668236	0.011004841	0.032295749	Tm9sf3
ENSMUSG000000027469.16	9832.231343	0.111104989	0.011017796	0.032325024	Tpx2
ENSMUSG000000060950.12	1292.075212	0.225787606	0.011016765	0.032325024	Trmt61a
ENSMUSG000000093460.9	40.49495608	-1.349333011	0.011029552	0.032355142	Six3os1
ENSMUSG000000093671.1	471.1529027	0.367004181	0.011033726	0.032358638	RP23-445D13.2
ENSMUSG000000116494.1	42.16156919	1.250226571	0.011032771	0.032358638	RP23-278C10.10
ENSMUSG000000022305.13	1608.177501	-0.203940375	0.011048341	0.032397122	Lrp12
ENSMUSG000000049233.7	729.6014338	0.288960383	0.011055491	0.032413707	RP23-344D21.3
ENSMUSG000000081614.1	52.0648512	1.060159729	0.011075093	0.032466792	RP23-445C3.2
ENSMUSG000000037262.7	1093.926617	0.244511283	0.011084086	0.032488768	Kin
ENSMUSG000000108700.1	911.3097889	-0.317411422	0.011090288	0.032502555	RP23-212H18.2
ENSMUSG000000047230.6	49.09155216	-1.132376489	0.011103195	0.032535989	Cldn2
ENSMUSG000000031157.10	2255.934395	0.179057067	0.011111065	0.03255344	Pqbp1
ENSMUSG000000033960.5	2070.162987	0.188032355	0.01111254	0.032592257	Jcad
ENSMUSG000000032042.11	6038.021532	0.134273782	0.011129561	0.032600046	Srpr
ENSMUSG000000026480.12	63.36280194	0.965493712	0.011152737	0.032663522	Ncf2
ENSMUSG000000082381.1	226.2117916	-0.516703201	0.011200823	0.032799928	RP23-204N19.1
ENSMUSG000000025231.16	2448.221996	0.175120307	0.011235269	0.032887999	Sufu
ENSMUSG000000025920.19	643.5417306	-0.307330501	0.011235445	0.032887999	Stau2
ENSMUSG000000033966.7	58.31453337	-1.006857737	0.011233566	0.032887999	Cdkl4
ENSMUSG000000019865.9	121.4801389	-0.693428356	0.011244084	0.032904411	Nmbr
ENSMUSG000000039166.16	358.568745	-0.436612255	0.011243329	0.032904411	Akap7
ENSMUSG000000038187.14	1126.573143	-0.246364536	0.011253723	0.032928178	Btdb10

ENSMUSG00000048240.14	166.3817429	0.598721746	0.011256597	0.032932146	Gng7
ENSMUSG00000035171.9	1613.124081	0.225256662	0.011262785	0.032937316	RP23-341M13.1
ENSMUSG00000039678.12	1483.752988	-0.210861136	0.011262917	0.032937316	Tbc1d13
ENSMUSG00000046032.16	2165.293719	0.182476432	0.011261964	0.032937316	Snx12
ENSMUSG00000018217.12	669.6453685	-0.299571376	0.011274259	0.032966043	Pmp22
ENSMUSG00000072066.7	573.4223324	-0.326208596	0.0112857	0.032995051	RP23-26N21.1
ENSMUSG00000031119.4	2559.924424	-0.177348608	0.011291151	0.033006654	Gpc4
ENSMUSG00000067929.3	43.84923659	1.274497746	0.011309337	0.033055251	Gm10226
ENSMUSG00000041491.7	1990.55298	0.188490612	0.011323356	0.033091767	Cep78
ENSMUSG00000000817.10	8.957652579	2.903368237	0.011328603	0.033099298	Fasl
ENSMUSG00000048126.16	34.91754898	-1.324655749	0.011328983	0.033099298	Col6a3
ENSMUSG00000063317.7	6902.139152	-0.128410779	0.011338505	0.033122659	Usp31
ENSMUSG00000026796.16	2155.790827	0.184774144	0.011357431	0.033173481	Fam129b
ENSMUSG00000084193.1	186.1252704	-0.553847722	0.011369345	0.033203812	RP23-403O11.4
ENSMUSG00000106490.1	31.52443727	-1.376069903	0.011383585	0.033240925	RP24-48817.2
ENSMUSG00000036893.17	5417.066235	-0.12992322	0.011394364	0.033267925	Ehmt1
ENSMUSG00000069743.4	483.6759356	0.373463528	0.011403862	0.033290942	Zfp820
ENSMUSG00000074796.10	150.4212042	-0.61089676	0.011405315	0.033290942	Slc4a11
ENSMUSG00000107971.1	65.09646687	-0.984848457	0.011417431	0.033321825	RP23-259J8.5
ENSMUSG00000072919.4	24.9850267	1.553446291	0.011427927	0.033347974	Noxred1
ENSMUSG00000031103.12	342.2813109	-0.411341971	0.011436522	0.033364179	Elf4
ENSMUSG00000046761.12	566.9989703	-0.323073741	0.011436555	0.033364179	Fam83h
ENSMUSG00000059834.12	736.539065	-0.285340889	0.011439823	0.033369226	Scft1
ENSMUSG00000020521.7	2384.986649	0.191013247	0.01146299	0.033432309	Rnft1
ENSMUSG00000034617.7	2316.865553	0.17529425	0.011498808	0.033532267	Mtrr
ENSMUSG00000044216.7	138.4202968	0.721263061	0.011521866	0.033594994	Kcnj4
ENSMUSG00000040659.3	2563.287218	0.17078661	0.011529641	0.033613147	Efh2
ENSMUSG00000090381.2	2584.018787	-0.165992305	0.011547482	0.033660638	RP24-289M23.1
ENSMUSG00000018585.9	2719.673662	0.171414587	0.011549069	0.033660743	Atox1
ENSMUSG00000090877.3	26.48594813	1.508123208	0.011557813	0.033681705	Hspa1b
ENSMUSG00000034903.18	343.8780355	-0.420928713	0.011559482	0.033682045	Cobl1
ENSMUSG00000062963.10	1731.291749	0.202248681	0.011563261	0.03368568	Ufc1
ENSMUSG00000078877.11	1592.569216	-0.213072426	0.011563834	0.03368568	RP23-86F8.3
ENSMUSG00000021962.9	1952.988999	-0.194146769	0.011569421	0.033694587	Dcp1a
ENSMUSG00000113328.1	251.8658909	-0.496471128	0.011569997	0.033694587	RP24-512K3.7
ENSMUSG00000027710.14	1758.803113	0.200455488	0.011577766	0.03371269	Acad9
ENSMUSG00000028874.14	40.15120533	-1.196333834	0.011580266	0.033715446	Fgr
ENSMUSG00000059562.14	11.73923269	2.425558856	0.011584268	0.033722574	Ccdc154
ENSMUSG00000022451.12	1564.806188	0.208039983	0.011606675	0.033783269	Twf1
ENSMUSG00000086682.1	142.1129776	0.631912653	0.011630166	0.033847106	RP23-183D11.8
ENSMUSG00000027490.17	2081.015982	-0.19093055	0.011648519	0.033895973	E2f1
ENSMUSG00000032269.8	382.8399288	-0.385722129	0.011705521	0.034057274	Htr3a
ENSMUSG00000097108.1	37.34298069	-1.273873082	0.011720774	0.034097082	RP23-58L22.8
ENSMUSG00000026587.15	491.2476451	-0.347552064	0.011724437	0.034103166	Astn1
ENSMUSG00000023232.17	220.6914474	-0.507988761	0.011730361	0.034115825	Serinc2
ENSMUSG00000037001.10	587.1327978	0.317246161	0.011732076	0.034116242	Zfp39
ENSMUSG00000054309.9	5122.798305	0.135688833	0.011734165	0.034117744	Cpsf3
ENSMUSG00000041309.17	96.33731628	0.788929402	0.011759621	0.034187178	Nkx6-2
ENSMUSG00000096544.2	18469.3575	0.104783568	0.011791341	0.034274805	RP23-412L13.1
ENSMUSG00000107658.1	41.32190583	-1.230371508	0.011804413	0.034308207	RP24-377D18.5
ENSMUSG00000046580.10	2325.131226	0.185349946	0.011810771	0.034322089	RP24-406J12.2
ENSMUSG00000067367.9	7514.146138	0.117455509	0.011825249	0.03435956	Lyar
ENSMUSG00000040272.14	504.7551833	-0.365900342	0.011831775	0.034373921	Accs
ENSMUSG00000030967.15	2358.099598	-0.181343968	0.011835154	0.034379133	Zranb1
ENSMUSG00000116121.1	16.62228014	1.94516967	0.011840123	0.034388965	RP23-120A4.10
ENSMUSG00000002870.8	15480.28038	-0.105427969	0.011843879	0.034395272	Mcm2
ENSMUSG00000079036.10	1594.449232	-0.217079719	0.011850962	0.034411236	Alkbh1
ENSMUSG00000031595.9	241.9655604	-0.494762439	0.01187003	0.034461991	Pdgfrl
ENSMUSG00000032598.8	373.0119651	-0.39611792	0.011874752	0.034471091	Nckip5d
ENSMUSG00000034936.2	350.312825	-0.416013069	0.011887092	0.034497682	Arl4d
ENSMUSG00000079499.9	67.44165748	-0.919262448	0.011885531	0.034497682	RP23-104G16.1
ENSMUSG00000040263.16	3217.531028	0.155583755	0.011889487	0.034500019	Klhdc4
ENSMUSG00000044408.7	1594.75	-0.202423998	0.011891703	0.034501838	Sptssa
ENSMUSG00000020882.17	748.4344108	-0.295467154	0.011905298	0.034532047	Cacnb1
ENSMUSG00000025815.13	1496.524628	0.206915513	0.011904239	0.034532047	Dhtkd1
ENSMUSG00000028961.15	11702.6161	0.109362128	0.011927087	0.034590623	Pgd
ENSMUSG00000075279.5	2636.544405	0.1926414	0.011935127	0.034609318	Mrpl23-ps1
ENSMUSG00000081967.1	770.6122108	0.279174171	0.011938104	0.034613325	RP23-433P19.14
ENSMUSG00000038880.13	1073.578956	0.238484556	0.011952561	0.034650612	Mrps34
ENSMUSG00000031090.14	536.6058884	0.334461327	0.011957215	0.034659474	Nadsyn1

ENSMUSG0000001642.18	9081.95092	-0.110922657	0.011963778	0.034673865	Akr1b3
ENSMUSG00000059060.15	262.7190533	0.46627171	0.011978959	0.034713228	Rad51b
ENSMUSG00000050677.2	102.7280707	0.756916278	0.012012447	0.034805624	Ccdc96
ENSMUSG00000029386.15	984.174903	-0.249412376	0.012017863	0.034816667	Tctn2
ENSMUSG00000058147.1	88.3409811	0.804715497	0.012027168	0.034838975	Xlr3c
ENSMUSG00000052298.12	3188.651113	0.155896588	0.012041303	0.034875264	Cdc42se2
ENSMUSG00000025314.16	1907.417434	-0.193552194	0.012070401	0.034954877	Ptprj
ENSMUSG00000100481.1	314.8412575	0.424962875	0.012072455	0.03495616	RP23-75G11.2
ENSMUSG00000040424.15	53.09048298	-1.032646789	0.012075663	0.034958108	Hipk4
ENSMUSG00000046500.8	112.5492513	-0.701542127	0.01207635	0.034958108	Fam19a4
ENSMUSG00000032000.17	135.8486297	-0.670041118	0.012086036	0.034981483	Birc3
ENSMUSG00000068154.5	169.6855653	-0.578112826	0.012088932	0.034985199	Insm1
ENSMUSG00000044083.12	9.898656744	2.699180112	0.012098819	0.035004757	Efcab8
ENSMUSG00000100783.1	53.90455773	1.076184795	0.012098916	0.035004757	RP23-408A1.1
ENSMUSG00000049969.3	2186.163615	-0.182942433	0.012101422	0.035007338	Plekhf2
ENSMUSG00000029592.11	1415.017913	0.21539822	0.012106648	0.03501779	Usp30
ENSMUSG00000020954.16	3919.26408	0.148000158	0.012143565	0.035119888	Strn3
ENSMUSG00000065820.1	26.7771895	1.528823323	0.012150115	0.03513415	Gm23b16
ENSMUSG00000024369.16	3393.023736	0.152827347	0.012168837	0.035183599	Nelfe
ENSMUSG00000093505.1	257.2944039	0.476334895	0.012198594	0.035264937	RP24-399B3.1
ENSMUSG00000027954.9	243.3204699	-0.481486846	0.012227442	0.035343627	Efna1
ENSMUSG00000075033.4	552.7345688	-0.340612689	0.012233152	0.035355422	Nxpe3
ENSMUSG00000032114.9	677.0608957	-0.295346313	0.012262909	0.035436705	Slc37a4
ENSMUSG00000021025.8	274.9569171	-0.505696788	0.012288855	0.035506954	Nfkbia
ENSMUSG00000023932.8	3259.568986	0.151696107	0.012345733	0.035666547	Cdc5l
ENSMUSG00000030983.4	4458.22565	0.139439224	0.012348987	0.0356712	Bccip
ENSMUSG00000041040.12	1428.497894	-0.218092494	0.012362486	0.03570544	Fam117b
ENSMUSG00000101335.1	96.84470092	-0.809719969	0.012374678	0.035735897	RP24-286H7.4
ENSMUSG00000036412.5	35.17594624	-1.277874977	0.012380533	0.035748049	Arsi
ENSMUSG00000043857.16	1400.032884	-0.227324137	0.012416621	0.03584748	Mgat5b
ENSMUSG00000026113.17	673.3116728	0.293325487	0.012418406	0.035847864	Inpp4a
ENSMUSG00000071637.5	196.7351458	-0.534435668	0.012428784	0.03586828	Cebp
ENSMUSG00000112825.1	13264.04282	0.108098339	0.012428657	0.03586828	RP23-184H3.5
ENSMUSG00000046402.10	616.5883949	-0.325955075	0.012444178	0.035907932	Rbp1
ENSMUSG00000027245.11	237.0678716	0.48563742	0.012450882	0.035922499	Hypk
ENSMUSG00000097007.3	10.00235685	2.701983212	0.012456611	0.03593425	RP23-158E3.4
ENSMUSG00000006262.15	2095.733022	-0.195497292	0.01247459	0.035980815	Mob1b
ENSMUSG00000066607.5	54.63456	-1.010086846	0.012476068	0.035980815	RP24-78F21.4
ENSMUSG00000024287.7	4301.706233	0.150672698	0.012480159	0.03598783	Thoc1
ENSMUSG00000018559.16	2704.64637	0.162604827	0.012484286	0.035991047	Ctdnep1
ENSMUSG00000022033.9	1725.449378	0.19831016	0.012484591	0.035991047	Pbk
ENSMUSG00000114579.1	1297.895836	-0.233459919	0.012507743	0.036053	RP23-386F19.1
ENSMUSG00000030870.12	6672.124969	0.121187797	0.012550259	0.036170746	Ubfd1
ENSMUSG00000002326.6	363.7302876	0.416827075	0.012559222	0.036191771	Gmpr2
ENSMUSG00000057561.9	5178.586955	-0.13034535	0.012599321	0.036302504	Eif1a
ENSMUSG00000095648.7	1088.205556	-0.256697011	0.012610418	0.036329654	RP23-83O23.2
ENSMUSG00000027401.9	37.64018515	-1.267069281	0.012623999	0.036360096	Tgm3
ENSMUSG00000032350.9	3914.328734	-0.141019273	0.012624335	0.036360096	Gclc
ENSMUSG00000097994.1	106.7709789	-0.793440934	0.012627643	0.036364796	RP23-392K24.4
ENSMUSG00000002580.7	508.6732972	0.368304713	0.012670299	0.036482796	Mien1
ENSMUSG00000100876.1	55.76222918	1.006760405	0.012677293	0.036498091	RP23-45G16.6
ENSMUSG00000031197.11	5752.320323	0.134582123	0.012686852	0.036520766	Vbp1
ENSMUSG00000027399.1	11.62951102	2.638804282	0.012694071	0.036536703	Il1a
ENSMUSG00000060802.8	1410.013311	0.230422419	0.012737224	0.036656045	B2m
ENSMUSG00000030838.18	138.6414064	-0.633802917	0.012741556	0.036663651	Ush1c
ENSMUSG00000101355.1	182.2703384	0.551330731	0.012750655	0.036684967	Hist1h3h
ENSMUSG00000032293.8	8376.335612	-0.131196149	0.012784967	0.036778812	Ireb2
ENSMUSG00000081071.1	4933.981266	0.136792412	0.012787906	0.036782392	AC113055.8
ENSMUSG00000033987.16	369.3874056	0.406661358	0.012798792	0.036803946	Dnah17
ENSMUSG00000044502.16	3130.732052	0.167691324	0.012797881	0.036803946	Bod1
ENSMUSG00000021870.17	3542.898673	-0.151042932	0.012826243	0.036877996	Slmap
ENSMUSG00000073700.3	1945.009725	0.196385168	0.012842286	0.036919232	Kih121
ENSMUSG00000036002.12	351.7279685	0.399511743	0.012846763	0.036927211	Fam214b
ENSMUSG00000034022.8	7799.847551	-0.115113886	0.012858142	0.036955024	Cpsf1
ENSMUSG00000018446.8	15930.98774	0.107553421	0.01286793	0.036973364	C1qbp
ENSMUSG00000039496.8	57.16644692	1.026666164	0.012867301	0.036973364	Cdnf
ENSMUSG00000025813.14	481.5977221	-0.349906975	0.012872163	0.036980632	Homer2
ENSMUSG00000047534.17	2843.582852	-0.172949081	0.012875889	0.036986438	Mis18bp1
ENSMUSG00000032968.4	49.78633893	-1.049903595	0.012890185	0.037022603	Inha
ENSMUSG00000040563.13	828.3482094	0.265623003	0.012952562	0.037196837	Plppr2

ENSMUSG00000062044.15	2451.644015	-0.168791016	0.012957057	0.037204824	Lmtk3
ENSMUSG00000068245.14	26.25177386	1.491000093	0.012959972	0.037208269	Phf11c
ENSMUSG00000055216.3	6.162250725	4.483785843	0.012974735	0.037245728	9430025C20Rik
ENSMUSG00000113789.1	47.05056561	1.128643178	0.012979678	0.037254989	RP23-78M22.3
ENSMUSG00000024654.8	666.4578628	-0.300784067	0.013003268	0.037317763	Asrgl1
ENSMUSG00000064307.13	111.8190326	0.724592751	0.013011664	0.03733692	Lrrc51
ENSMUSG00000045427.13	8296.992504	-0.121790373	0.013014518	0.037340174	Hnrrph2
ENSMUSG00000083477.2	1766.285282	-0.195260665	0.013021147	0.037354255	AC103623.1
ENSMUSG00000057181.15	2000.718316	-0.184836006	0.013056306	0.037450165	RP23-252E4.2
ENSMUSG00000027936.18	1296.528009	-0.21858544	0.013059406	0.037454107	Crtc2
ENSMUSG00000029587.16	1027.962163	-0.250009141	0.013084246	0.03752039	Zfp12
ENSMUSG00000107653.1	81.62526331	0.830691262	0.013140798	0.03767758	RP23-346J12.1
ENSMUSG00000109575.1	6.216701094	4.491466427	0.013146436	0.037688766	RP23-60N8.3
ENSMUSG00000047648.13	2031.808836	-0.181202168	0.013170817	0.037753674	Fbxo30
ENSMUSG00000000125.5	717.2851152	-0.285415503	0.013180633	0.037776821	Wnt3
ENSMUSG00000027835.11	1748.401595	0.204928672	0.013185512	0.037785816	Pdcd10
ENSMUSG00000098292.1	60.8387825	0.963687029	0.013203082	0.037831169	RP23-59B16.8
ENSMUSG00000026833.18	3771.836302	0.142846467	0.013205885	0.037834206	Olfm1
ENSMUSG00000037355.14	934.0500747	0.253855278	0.013232258	0.037904759	Uvssa
ENSMUSG00000031262.12	1497.109803	-0.207786246	0.013239524	0.037920569	Cenpi
ENSMUSG00000043421.8	391.1191952	-0.405012265	0.013273244	0.038012134	Hilpda
ENSMUSG00000014504.16	2989.016797	0.156526218	0.01328636	0.038044674	Srp19
ENSMUSG00000029992.14	2559.181785	-0.174589348	0.013289739	0.038049328	Gfpt1
ENSMUSG00000021492.15	93.89274111	0.782892542	0.013292816	0.038053118	F12
ENSMUSG00000086288.1	84.75323348	0.816527548	0.013295022	0.038054415	AC087062.8
ENSMUSG00000101678.3	43.01344333	1.134893646	0.013309919	0.03809203	RP23-154K6.2
ENSMUSG00000022248.14	1399.228057	-0.210512782	0.013323373	0.03812331	Rad1
ENSMUSG00000082196.3	716.4718586	0.298173467	0.013324362	0.03812331	RP24-482A24.2
ENSMUSG00000039704.7	5159.881535	-0.12975288	0.013331909	0.038139875	Lmbrd2
ENSMUSG00000020075.8	23818.4854	0.0988222	0.013348977	0.038183668	Ddx21
ENSMUSG00000025509.15	1247.622459	-0.223611786	0.013378705	0.038263659	Pnpla2
ENSMUSG00000061894.15	521.9465213	0.329393497	0.013388041	0.038285317	Zscan20
ENSMUSG00000096826.1	69.93338724	0.918517029	0.013394433	0.038298548	Ccl27b
ENSMUSG00000027200.17	365.196266	-0.420485414	0.013403463	0.03831932	Sema6d
ENSMUSG00000032431.6	701.4795086	-0.293341234	0.013432757	0.038398011	Crtap
ENSMUSG00000050967.5	53.7393366	-1.068591467	0.01346135	0.038474675	Creg2
ENSMUSG00000024953.16	2375.271676	0.175394081	0.013466551	0.038484473	Prdx5
ENSMUSG00000014956.15	9621.007353	-0.120742507	0.013471848	0.038494542	Ppp1cb
ENSMUSG00000020271.17	6007.578018	0.130707358	0.013503871	0.038580964	Fbxw11
ENSMUSG00000094989.1	8794.357368	0.115857682	0.013507154	0.038585264	Rpl9-ps4
ENSMUSG00000005161.15	8031.777822	-0.127982613	0.013539609	0.038672887	Prdx2
ENSMUSG00000004561.14	1769.775669	0.207739262	0.013606386	0.038858505	Mettl17
ENSMUSG00000090827.8	33.04865533	-1.312149699	0.013608552	0.038859578	RP23-71L2.3
ENSMUSG00000030310.10	276.8429587	-0.447193241	0.013628186	0.038906486	Slc6a1
ENSMUSG00000060708.4	521.7600391	0.332901049	0.013630357	0.038906486	Bloc1s4
ENSMUSG00000107121.1	34.31040088	1.338430694	0.013629293	0.038906486	RP23-228F6.9
ENSMUSG00000082585.3	4187.19293	-0.169452363	0.013636047	0.038917608	AC118627.1
ENSMUSG00000006782.16	358.4712158	-0.414387223	0.013639907	0.038918551	Cnp
ENSMUSG00000020897.12	6258.066048	0.12205397	0.013641757	0.038918551	Aurkb
ENSMUSG00000030688.15	537.9620338	-0.330837753	0.013640414	0.038918551	Stard10
ENSMUSG00000027709.9	1588.717995	-0.200386597	0.013652145	0.038943065	Mccc1
ENSMUSG00000022855.9	5445.566381	0.129786	0.01366184	0.038965599	Senp2
ENSMUSG00000094649.1	170.7302695	-0.566389818	0.013666134	0.038972725	RP24-318N5.1
ENSMUSG00000020184.15	2827.960504	-0.157351936	0.013684194	0.039019102	Mdm2
ENSMUSG00000023022.14	4463.853566	-0.138503235	0.013688287	0.039025645	Lima1
ENSMUSG00000099583.2	163.1178856	0.574581185	0.013690734	0.039027494	Hist1h3d
ENSMUSG00000017697.3	276.8986926	0.468472508	0.013723002	0.03911434	Ada
ENSMUSG00000000094.12	22.51672905	-1.581045405	0.013735322	0.039139175	Tbx4
ENSMUSG00000063659.11	1763.405677	-0.190980351	0.013734148	0.039139175	Zbtb18
ENSMUSG00000001383.8	4852.62054	0.142499326	0.013761215	0.03919867	Zmat2
ENSMUSG00000002985.16	9527.897025	0.124575514	0.0137606	0.03919867	Apoe
ENSMUSG00000026771.14	2681.026718	0.162004037	0.013761619	0.03919867	Spopl
ENSMUSG000000027562.12	1689.486489	-0.199803314	0.013778227	0.039240824	Car2
ENSMUSG00000048970.9	588.6725708	0.311603411	0.013788105	0.039263805	C1galt1c1
ENSMUSG00000022095.9	497.9959025	0.332970344	0.013806206	0.039310192	Fam160b2
ENSMUSG00000040840.7	411.8476641	-0.364803186	0.013832856	0.039380904	RP23-94B13.2
ENSMUSG00000041594.18	468.3409898	0.35543236	0.013836743	0.039383009	Tmtc4
ENSMUSG00000088708.1	6.069788462	4.45285596	0.013837224	0.039383009	Gm25558
ENSMUSG00000020547.5	7665.187824	0.114063442	0.013858177	0.039437471	Bzw2
ENSMUSG00000031533.4	1537.88101	0.201235116	0.013895911	0.03953967	Mrps31

ENSMUSG00000029610.13	1611.714552	-0.196302041	0.013903512	0.039556113	Aimp2
ENSMUSG000000064105.12	1793.286825	0.188840726	0.013914763	0.039582931	Cnm2
ENSMUSG000000035105.5	1924.430649	-0.240393643	0.0139175	0.039585527	Egln3
ENSMUSG000000037138.17	1051.3184	0.236235016	0.013949966	0.039672673	Aff3
ENSMUSG000000037674.15	2416.777815	-0.167402388	0.013952588	0.03967493	Rfx7
ENSMUSG000000032412.8	8744.081469	0.11719871	0.013968655	0.039715415	Atp1b3
ENSMUSG000000087385.8	60.40686093	1.029453015	0.013978201	0.039737347	RP23-132L14.7
ENSMUSG000000035150.15	16982.65134	0.100981349	0.014004954	0.039808188	Eif2s3x
ENSMUSG000000092574.4	261.1800302	0.456750146	0.014022366	0.03985246	RP23-322O24.4
ENSMUSG000000094483.2	7927.962285	0.130590384	0.014061878	0.039959523	Purb
ENSMUSG000000036853.5	191.8177748	-0.535495841	0.014064841	0.039962711	Mcoln3
ENSMUSG000000025651.14	7891.429522	0.113950371	0.014083863	0.040011518	Uqcrc1
ENSMUSG000000078902.3	183.6545918	0.545614446	0.014099516	0.040050745	RP23-330D3.9
ENSMUSG000000071632.10	498.5248299	0.335225957	0.014117764	0.040097332	RP23-357J7.6
ENSMUSG000000028149.12	2947.489382	-0.153735329	0.014127989	0.040121122	Rap1gds1
ENSMUSG000000029634.15	1709.125552	0.192461622	0.014135589	0.040137452	Rnf6
ENSMUSG000000022066.16	473.4774314	-0.342166734	0.014151212	0.040176556	RP23-103112.10
ENSMUSG000000057963.9	1796.811436	-0.190063285	0.014167661	0.040217996	Itpk1
ENSMUSG000000021748.9	7257.672905	0.119629794	0.014196339	0.040294133	Pdhb
ENSMUSG000000106927.1	25.68407207	1.521215929	0.014209493	0.040326194	RP23-34P11.1
ENSMUSG000000053286.11	1157.78178	-0.240581319	0.01422072	0.04035278	Trmt1l
ENSMUSG000000087701.4	15952.03657	0.114023719	0.014232869	0.040381975	RP23-332K7.1
ENSMUSG000000038685.18	3547.235572	0.144668583	0.014245942	0.040413783	Rtel1
ENSMUSG000000027599.9	2724.079864	0.158232519	0.014252764	0.040427851	Armc1
ENSMUSG000000033813.15	4446.461481	-0.139947089	0.01426559	0.040458943	Tcea1
ENSMUSG000000047996.16	277.045067	-0.44703789	0.014267753	0.040459791	Prrg1
ENSMUSG000000090236.3	8.753705686	2.854530626	0.014304966	0.040560017	Car15
ENSMUSG000000108660.1	75.52822871	0.847176992	0.014308449	0.040564593	RP23-361O12.3
ENSMUSG000000021140.9	2842.730368	-0.161151128	0.014319925	0.040591824	Pcnx
ENSMUSG000000033486.14	104.8449432	0.730722949	0.014349634	0.040670728	Catsper2
ENSMUSG000000083397.1	61.34861344	0.959113448	0.014382838	0.040759513	RP23-409P4.1
ENSMUSG000000051074.4	22.98891701	1.561177779	0.014395534	0.040790166	RP23-307B15.1
ENSMUSG000000042116.3	157.4824514	-0.583300069	0.014400228	0.04079814	Vwa1
ENSMUSG000000089670.1	731.8482632	-0.277860353	0.014408119	0.040815167	RP23-16N14.1
ENSMUSG000000095865.1	5452.73926	-0.125757241	0.014421681	0.040848254	RP23-384D6.4
ENSMUSG000000051243.14	187.9744675	-0.535631174	0.014431691	0.040871272	Islr2
ENSMUSG000000045838.8	28.68691164	-1.4119303	0.014446626	0.040904721	RP23-172B16.4
ENSMUSG000000097303.2	61.56109167	0.932420741	0.014447272	0.040904721	RP24-245C15.2
ENSMUSG000000097441.1	8.010255773	-2.944677004	0.014471	0.04096656	RP23-24N16.1
ENSMUSG000000047193.16	2140.526251	-0.175777306	0.014510659	0.041073474	Dync2h1
ENSMUSG000000051367.8	34.35077356	-1.290444946	0.014517361	0.041087084	Six1
ENSMUSG000000067369.12	708.7656447	0.28409797	0.014522783	0.041097072	Trmt2b
ENSMUSG000000025492.6	116.9819251	-0.688928088	0.01454556	0.04115616	Ifitm3
ENSMUSG000000029034.9	4398.264005	-0.133644652	0.014570936	0.041222585	Ints11
ENSMUSG000000097149.1	19.82778922	-1.684720273	0.01459541	0.041286444	RP24-427N13.10
ENSMUSG000000025525.12	2029.44097	0.17729744	0.014605431	0.041309404	Apool
ENSMUSG000000025086.12	2118.590848	-0.180242278	0.014611345	0.041320745	Trub1
ENSMUSG000000044792.7	1401.547732	0.210698263	0.014613583	0.041321691	Isca1
ENSMUSG000000031934.14	757.380746	-0.272270887	0.014618604	0.041330502	Panx1
ENSMUSG000000045215.16	149.253719	-0.629134237	0.014628775	0.041353873	Asxl3
ENSMUSG000000032940.16	53.78180961	1.077088407	0.014657276	0.041429044	Rbm11
ENSMUSG000000047221.5	927.641203	-0.254852586	0.014663516	0.041440753	Fam185a
ENSMUSG000000105703.2	282.2515841	0.450391813	0.014665238	0.041440753	RP24-378G4.3
ENSMUSG000000054855.13	62.33106717	0.943983566	0.014671807	0.041453919	Rnd1
ENSMUSG000000071014.10	2001.088338	0.181847878	0.014710087	0.041554278	Ndufb6
ENSMUSG000000074886.11	5373.369921	-0.127696057	0.014711157	0.041554278	Grk6
ENSMUSG000000026283.13	2936.554453	-0.160405727	0.014725931	0.041590597	Ing5
ENSMUSG000000111877.1	13463.7072	0.101512925	0.014735498	0.041612202	RP24-389J11.1
ENSMUSG000000050002.14	1210.144558	0.219587825	0.014758546	0.041671867	ldnk
ENSMUSG000000030322.12	2366.344971	-0.172783107	0.014814863	0.041824301	Mbd4
ENSMUSG000000036291.6	1666.14831	-0.207598843	0.014816387	0.041824301	Ap5m1
ENSMUSG000000097006.7	72.35207214	-0.901346266	0.014832176	0.041863426	RP23-20114.11
ENSMUSG000000047434.14	3462.14528	-0.144838056	0.014842848	0.0418881	Xylt1
ENSMUSG000000082575.1	5611.586783	0.132770338	0.014861184	0.041934392	RP23-348F1.1
ENSMUSG000000082345.1	381.1731336	0.380427038	0.014867105	0.041945647	RP23-174C9.3
ENSMUSG000000087442.1	46.84652893	1.073720011	0.014878824	0.041973254	RP23-368M21.4
ENSMUSG000000113606.1	199.4725871	-0.518110284	0.014897805	0.042021337	RP23-360H5.5
ENSMUSG000000035048.13	1009.873702	0.237984692	0.014908759	0.042046768	Anapc13
ENSMUSG000000027167.11	1136.851793	0.228798661	0.014934649	0.042114312	Elp4
ENSMUSG000000036432.8	277.1151621	-0.447135167	0.014939778	0.042123303	Siah2

ENSMUSG00000097889.1	23.68970969	1.541086109	0.014950948	0.04214932	Gm26541
ENSMUSG00000028164.15	1438.867758	0.204056239	0.014960804	0.04217163	Manba
ENSMUSG00000064356.3	23054.98979	0.11528062	0.014992253	0.04225479	mt-Atp8
ENSMUSG00000091957.3	42731.98806	0.086485265	0.015038794	0.042380457	Rps2-ps10
ENSMUSG00000059647.5	1492.289651	-0.200820979	0.015063124	0.042443511	Cbx3-ps7
ENSMUSG00000057132.16	35.65395148	1.240249496	0.015073107	0.042466125	Rpgrip1
ENSMUSG00000082229.1	557.9187742	-0.311711304	0.015088194	0.042503114	Nap1l2
ENSMUSG00000065999.13	860.9075011	-0.257626158	0.015090335	0.042503629	RP23-326E2.4
ENSMUSG00000028882.13	3708.970075	-0.142560471	0.015114317	0.042560129	Ppp1r8
ENSMUSG00000041132.11	136.1849207	-0.639949202	0.015113915	0.042560129	N4bp2l1
ENSMUSG00000052675.11	40.19994548	1.165176809	0.015121244	0.042574111	Zfp112
ENSMUSG00000036602.14	58.87966692	-0.972446469	0.015126776	0.042578637	Alx1
ENSMUSG00000097842.2	121.5650022	0.669192811	0.015126166	0.042578637	RP23-201L15.5
ENSMUSG00000034203.8	2957.289182	0.152300109	0.015137147	0.042602305	Chchd4
ENSMUSG00000049515.12	40.29118567	-1.164306895	0.015152619	0.042640318	Espnl
ENSMUSG00000098113.1	437.8442161	0.433508169	0.015181973	0.042717383	RP24-76E2.5
ENSMUSG00000020461.10	37.9567818	1.219042778	0.01522171	0.042823639	Clhc1
ENSMUSG00000029780.14	1607.758467	0.215081074	0.015239711	0.042868723	Nt5c3
ENSMUSG00000023980.6	1820.932022	-0.18891216	0.015274838	0.042961967	Taf8
ENSMUSG00000028843.8	1364.003586	0.215342808	0.015279036	0.042962639	Sh3bgrl3
ENSMUSG00000036782.13	997.4784622	0.241225288	0.015277963	0.042962639	Klhl13
ENSMUSG00000021680.8	17.92948914	-1.797642729	0.015286604	0.042972782	Crhbp
ENSMUSG00000042942.17	834.0668884	-0.26113553	0.015284657	0.042972782	Greb1l
ENSMUSG00000031489.15	221.4781538	0.512054213	0.015304848	0.043018497	Adrb3
ENSMUSG00000039086.9	520.1284311	0.323388882	0.01532383	0.043066274	Ss18l1
ENSMUSG00000026401.15	39.90757182	-1.15407175	0.01533462	0.043091016	Cd55b
ENSMUSG00000074607.11	105.5417646	-0.704671481	0.015346119	0.043117748	Tox2
ENSMUSG00000041977.18	1542.76215	-0.204861085	0.015368632	0.043175411	Arhgef11
ENSMUSG00000024603.8	1873.510369	0.184541918	0.015412772	0.043293809	Dctn4
ENSMUSG00000031516.11	887.1979209	0.256670407	0.015415482	0.043295817	Dctn6
ENSMUSG00000066807.2	190.9447698	0.531733058	0.01542119	0.043306246	RP23-399A18.7
ENSMUSG00000075297.10	42.54811415	-1.125659991	0.015440929	0.043356068	H60b
ENSMUSG00000026005.15	1780.674604	0.1892103	0.015450791	0.043378146	Rpe
ENSMUSG00000025277.14	605.3501485	0.305588186	0.015462286	0.043404802	Abhd6
ENSMUSG00000073176.4	354.5240431	0.397519877	0.015468406	0.043416365	Zfp449
ENSMUSG00000025759.11	481.7112177	-0.340178641	0.015471763	0.043420174	Mfsd8
ENSMUSG0000004947.15	1398.119051	0.213796147	0.015497164	0.043485835	Dtx2
ENSMUSG00000028161.17	2202.54085	-0.171522808	0.015560343	0.043656826	Ppp3ca
ENSMUSG00000048655.17	10.35749064	2.470710414	0.015562124	0.043656826	Ccdc169
ENSMUSG00000025789.9	670.1829099	-0.298058798	0.015615649	0.043801321	St8sia2
ENSMUSG00000028020.16	113.4427687	-0.674624755	0.015673791	0.043958724	Glrh
ENSMUSG00000027752.15	2573.328853	-0.164628758	0.015677456	0.043963323	Exosc8
ENSMUSG00000037253.8	3566.858679	0.154138871	0.015681636	0.043969361	Mex3c
ENSMUSG00000044860.9	8.677649056	2.835870205	0.015697416	0.044007921	RP24-225E14.3
ENSMUSG00000025911.14	28.87344054	1.412058868	0.015717962	0.044059831	Adhfe1
ENSMUSG00000022841.15	9174.207838	0.111335927	0.015732066	0.04409367	Ap2m1
ENSMUSG00000014748.13	2565.247103	-0.166662002	0.015762791	0.044174083	Tex261
ENSMUSG00000048616.4	109.0576558	-0.68797799	0.015791282	0.044248212	Nog
ENSMUSG00000067925.4	1280.038109	0.212386321	0.01580084	0.044269278	Cxx1a
ENSMUSG00000042743.13	945.5636823	0.24473028	0.015862273	0.044435659	Sgtb
ENSMUSG00000099377.1	1048.757577	-0.231414907	0.015868694	0.044447908	RP23-395H12.1
ENSMUSG00000025582.4	179.079796	-0.542570196	0.015896567	0.044520236	Nptx1
ENSMUSG00000020349.4	16285.72837	0.100433694	0.015925644	0.044595056	Ppp2ca
ENSMUSG00000030757.13	228.1116295	0.503493086	0.015929448	0.044595056	Zkscan2
ENSMUSG00000073733.4	173.2543742	0.54879088	0.015927413	0.044595056	Rsg1
ENSMUSG00000005640.11	58.47365151	-0.946841757	0.015933085	0.044599486	Insr
ENSMUSG00000030075.10	593.7647305	-0.301869562	0.015973055	0.044705601	Cntn3
ENSMUSG00000020758.15	77.99711535	-0.815553205	0.015987518	0.044740312	Itgb4
ENSMUSG00000028497.12	71.47241625	-0.915050841	0.015992065	0.044747267	Hacd4
ENSMUSG00000037705.13	7.878356895	3.139163909	0.016081445	0.04499156	Tecta
ENSMUSG00000045205.16	2173.329151	-0.173561061	0.016086802	0.044994945	Dpy19l4
ENSMUSG00000061904.12	18881.4376	0.092202072	0.016084835	0.044994945	Slc25a3
ENSMUSG00000020513.15	205.886626	0.52130508	0.016095682	0.045013982	Tubd1
ENSMUSG00000021234.9	162.907008	0.562546297	0.016108637	0.045044405	Fam161b
ENSMUSG00000047965.9	6852.900679	0.122327002	0.016127922	0.045086715	Rpl9-ps7
ENSMUSG00000064452.1	9.106721088	-2.715468264	0.016126491	0.045086715	Gm24564
ENSMUSG00000031785.16	341.1642983	-0.400611027	0.016153697	0.045152953	Adgrg1
ENSMUSG000000102504.1	163.5551334	-0.567208981	0.016157603	0.045158055	RP23-411B7.7
ENSMUSG00000026959.13	224.7862156	-0.518835133	0.01616353	0.045168802	Grin1
ENSMUSG00000051730.15	1004.645599	-0.241776892	0.016187311	0.045229435	Mettl5

ENSMUSG00000039521.12	17.48969326	-1.760713901	0.016192779	0.045238888	Foxp3
ENSMUSG00000017667.9	2418.151606	0.169140623	0.016217641	0.045302517	Zfp334
ENSMUSG00000027463.14	65.67731618	-0.886351012	0.016228093	0.045325878	Slc52a3
ENSMUSG00000041801.5	109.4939398	-0.696874303	0.016235063	0.045339511	Phlda3
ENSMUSG00000042579.2	454.8938313	0.341684972	0.016257725	0.045396956	RP24-122I22.2
ENSMUSG00000048592.9	59.62639593	0.943728385	0.016261099	0.045400536	RP23-277K12.3
ENSMUSG00000022602.14	104.2145612	-0.700162101	0.016269199	0.045417308	Arc
ENSMUSG00000020864.13	5015.357971	-0.125435658	0.016309551	0.0455241	Ankrd40
ENSMUSG00000017756.9	3463.340793	0.146253842	0.016316968	0.045538946	Slc12a7
ENSMUSG00000041949.6	1069.653936	0.229376019	0.01634807	0.045619881	Tango6
ENSMUSG00000028108.15	130.9524076	0.638650118	0.01635568	0.045634694	Ecm1
ENSMUSG00000108528.1	2869.305388	-0.188489996	0.016357584	0.045634694	RP24-269P21.1
ENSMUSG00000002308.15	3361.332746	0.158302236	0.016378232	0.045686424	Cd320
ENSMUSG00000025792.9	1382.388656	-0.217600761	0.016434856	0.045838484	Slc25a10
ENSMUSG00000001665.11	267.2681603	-0.468333675	0.016456209	0.045892141	Gstt3
ENSMUSG00000045671.17	5396.105078	-0.126834173	0.016480789	0.045954783	Spred2
ENSMUSG00000032410.13	3789.319837	-0.141518106	0.016494073	0.045985916	Xrn1
ENSMUSG00000054237.5	1163.692069	0.22818167	0.01650653	0.046014734	Fra10ac1
ENSMUSG00000005804.14	1452.498986	0.210479237	0.016552423	0.04612963	Bloc1s6
ENSMUSG00000021850.14	8.472865574	2.822996248	0.016561978	0.04612963	RP24-142A23.1
ENSMUSG00000069303.6	87.81549133	0.780891799	0.016560287	0.04612963	Hist1h2br
ENSMUSG00000069307.6	87.81549133	0.780891799	0.016560287	0.04612963	Hist1h2bq
ENSMUSG00000087445.1	66.42337097	0.901825784	0.016555078	0.04612963	RP23-169M4.4
ENSMUSG00000098061.1	41.18117714	-1.146278271	0.016562624	0.04612963	RP23-204I16.2
ENSMUSG00000107906.1	781.8493695	0.264954973	0.016561188	0.04612963	RP24-228N.1
ENSMUSG00000030125.11	72.63462672	-0.890180472	0.016569428	0.046142658	Lrrc23
ENSMUSG00000002379.6	1885.91893	0.18808955	0.016596858	0.046213114	Ndufa11
ENSMUSG00000110887.1	592.9358251	-0.309291088	0.016612771	0.046251489	RP23-350M23.5
ENSMUSG00000020743.15	1209.723893	0.22002368	0.016631816	0.046298571	Mif4gd
ENSMUSG00000090872.8	199.7308704	-0.530353892	0.016640212	0.046316004	RP24-243P7.3
ENSMUSG00000022637.11	1980.712308	-0.175443902	0.016668511	0.046388821	Cblb
ENSMUSG00000083754.3	7649.41658	0.111320083	0.016685576	0.04643036	RP23-319D11.1
ENSMUSG00000116590.1	44.98534722	1.119061773	0.016704553	0.046477205	RP23-150E.2
ENSMUSG00000021728.8	11839.28597	-0.105153884	0.016707694	0.046479987	Emb
ENSMUSG00000022471.14	2338.308648	0.1793065	0.01671124	0.046483894	Xrcc6
ENSMUSG00000026034.17	5151.891241	-0.127581228	0.016721914	0.046507621	Clk1
ENSMUSG00000030270.11	82.7649255	0.790727861	0.016731273	0.04652769	Cpne9
ENSMUSG00000090659.9	116.5819041	-0.669516542	0.016733393	0.046529115	Zfp493
ENSMUSG00000039748.11	2779.087256	0.156898073	0.016737944	0.046534315	Exo1
ENSMUSG00000038594.9	480.6702367	0.336133599	0.016744028	0.046545266	Cep85l
ENSMUSG00000111390.1	261.54897	0.450739704	0.01675058	0.046557516	RP24-79I19.5
ENSMUSG00000068742.11	1656.979566	0.195619964	0.016777728	0.046627001	Cry2
ENSMUSG00000002055.9	5480.086761	-0.122894543	0.016805896	0.046699303	Spag5
ENSMUSG00000034560.6	3741.461136	0.152653888	0.016808464	0.046700458	RP23-233B6.2
ENSMUSG00000021420.13	438.0256839	-0.343102602	0.016811576	0.046703125	Fars2
ENSMUSG00000021594.11	353.3462751	0.387543774	0.016837477	0.046768811	Srd5a1
ENSMUSG000000085246.1	24.74160871	-1.536373301	0.01683953	0.046768811	RP23-255E6.3
ENSMUSG00000037025.11	67.01555227	-0.95319961	0.016846754	0.046782887	Foxa2
ENSMUSG00000026335.16	1528.068202	-0.203522843	0.01685724	0.046806017	Pam
ENSMUSG00000030223.14	30.34589376	-1.349521753	0.016875502	0.046850729	Ptpro
ENSMUSG00000103355.1	77.20712827	0.818729631	0.016887261	0.046877377	RP23-76C20.3
ENSMUSG00000014294.4	2830.772884	0.156018543	0.01690553	0.046916089	Ndufa2
ENSMUSG00000114681.1	15.71066676	2.003490298	0.016903739	0.046916089	RP24-259F16.2
ENSMUSG00000070834.5	95.45158342	0.771235262	0.01691082	0.046924769	RP23-59L24.7
ENSMUSG00000106917.1	966.7224439	0.241874938	0.016955162	0.047041795	RP23-17D18.3
ENSMUSG00000024268.16	818.6547367	-0.257273998	0.016964362	0.047061305	Celf4
ENSMUSG00000027822.16	1512.068489	-0.194920972	0.017028445	0.047233042	Slc33a1
ENSMUSG00000000538.18	1317.274643	0.213221776	0.017067778	0.047336091	Tom1l2
ENSMUSG00000061118.8	228.2298855	0.472759651	0.017072322	0.047342644	Dnajc30
ENSMUSG00000067194.6	20221.42817	-0.093231812	0.01709282	0.04739343	Eif1ax
ENSMUSG00000096023.1	39.22411114	-1.150696596	0.017106904	0.047415915	RP23-254B9.3
ENSMUSG00000096470.1	39.22411114	-1.150696596	0.017106904	0.047415915	RP23-97D14.4
ENSMUSG00000115969.1	13.8700908	2.104053429	0.017107484	0.047415915	RP24-289J12.3
ENSMUSG00000028328.13	141.8125891	-0.609629759	0.017132979	0.047480514	Tmod1
ENSMUSG00000042208.15	1326.673137	0.206274294	0.017142125	0.047499794	RP23-188K3.6
ENSMUSG00000095463.8	433.7416388	-0.345341074	0.017149703	0.047514727	Entpd4
ENSMUSG00000058740.14	44.95285032	-1.080038419	0.017158423	0.047532818	Kcnt1
ENSMUSG00000044452.10	2008.091918	0.175935936	0.017164165	0.047542655	Zfp507
ENSMUSG00000021357.14	1486.382818	-0.199255612	0.017168124	0.047547552	Exoc2
ENSMUSG00000027479.14	9887.437064	0.105288434	0.01717687	0.047562181	Mapre1

ENSMUSG00000037134.17	1564.882379	0.197354929	0.017177789	0.047562181	Prmt9
ENSMUSG00000047976.4	52.07183725	-0.987287782	0.017195724	0.047605767	Kcna1
ENSMUSG00000037958.13	1733.061113	0.187546534	0.017205794	0.047627568	Nsrp1
ENSMUSG00000103621.1	88.953496	0.763239885	0.017248568	0.047739882	RP23-250G8.9
ENSMUSG00000001119.7	83.38970183	-0.80853317	0.017263624	0.047775461	Col6a1
ENSMUSG00000035642.16	204.4815232	0.508928282	0.017292892	0.047819871	Aamdc
ENSMUSG00000067745.4	13.53825365	2.051238841	0.017283024	0.047819871	RP23-480D17.1
ENSMUSG00000076617.9	8.339774682	2.783561566	0.017290816	0.047819871	Ighm
ENSMUSG00000079003.2	2310.053715	-0.169004269	0.017288937	0.047819871	Samd1
ENSMUSG00000079534.1	25.88310799	-1.440097363	0.017291424	0.047819871	RP23-15J3.10
ENSMUSG00000115188.1	2911.072174	0.161750877	0.017287613	0.047819871	RP23-91M6.2
ENSMUSG00000032582.14	4049.038586	0.133971179	0.017303542	0.047843225	Rbm6
ENSMUSG00000037613.16	320.8869703	0.397971596	0.017336327	0.047927766	Tnfrsf23
ENSMUSG00000035694.15	38.14314228	-1.215289351	0.017339614	0.047930749	Caps2
ENSMUSG00000021714.15	926.5990526	0.254384159	0.017379479	0.048030811	Cenpk
ENSMUSG00000044550.11	411.0690649	-0.382404955	0.01738024	0.048030811	Tceal3
ENSMUSG00000039395.8	457.5119877	0.340165918	0.017390242	0.048052335	Mreg
ENSMUSG00000039601.16	71.77937339	-0.832198323	0.017397951	0.048067516	Rcan2
ENSMUSG00000031403.14	7665.797667	0.113596764	0.017406427	0.048084813	Dkc1
ENSMUSG00000007476.18	683.4082126	0.309891461	0.017411061	0.048091491	Lrrc8a
ENSMUSG00000024620.11	233.4859001	-0.465791945	0.01744508	0.048179325	Pdgfrb
ENSMUSG00000029231.15	308.0772469	-0.42025674	0.017458177	0.048209361	Pdgfra
ENSMUSG00000048174.2	222.9210646	0.509947989	0.017467975	0.04823028	Tmem81
ENSMUSG00000038745.15	7.486032152	3.079733755	0.017499156	0.048310226	Nlrp6
ENSMUSG00000104563.1	145.8753141	-0.616969431	0.017511365	0.048337781	RP24-267O6.1
ENSMUSG00000070002.7	1214.323249	0.216458589	0.017536421	0.048400788	Eil
ENSMUSG00000067924.4	1253.566848	0.210685383	0.017542326	0.04841093	Cxx1b
ENSMUSG00000014496.8	4691.58351	-0.135492444	0.017548066	0.048420614	Ankrd28
ENSMUSG00000114438.1	45.96121588	-1.041812551	0.017557744	0.04844116	RP23-105P19.4
ENSMUSG00000030291.12	1061.513771	0.234292173	0.017590836	0.048526289	Med21
ENSMUSG00000069814.6	337.1516168	-0.393117543	0.017604652	0.048558232	Ccdc92b
ENSMUSG00000096937.1	44.38949539	-1.069012	0.017608034	0.048561388	RP23-91L18.2
ENSMUSG00000021177.16	2060.33302	0.171305108	0.017623043	0.048596606	Tdp1
ENSMUSG00000074461.2	56.78443366	0.981079664	0.017681155	0.048750657	RP24-497H18.4
ENSMUSG00000020308.6	1055.983487	0.231197361	0.017692568	0.048775928	Tpgs1
ENSMUSG00000024309.14	4377.946372	0.135693535	0.017737487	0.048893553	Pfdn6
ENSMUSG00000089651.1	7.499853891	3.069770202	0.017755389	0.048936685	RP23-203P12.2
ENSMUSG00000021866.15	1487.58322	-0.195997337	0.017768509	0.048966628	Anxa11
ENSMUSG00000108985.1	7.806664305	3.170774631	0.017806966	0.049066377	RP23-428N8.4
ENSMUSG00000039982.7	476.965022	-0.331686554	0.017812379	0.049075059	Dtx4
ENSMUSG00000024050.16	13160.51781	-0.10527746	0.01782515	0.049101389	Wiz
ENSMUSG00000040859.14	1527.416617	0.194457462	0.017827474	0.049101389	Bsdc1
ENSMUSG00000070697.4	3206.093334	0.152716279	0.017828723	0.049101389	Utp3
ENSMUSG00000060152.14	2467.743449	0.170263177	0.017834783	0.049111847	Pop5
ENSMUSG00000030741.15	7150.639293	-0.121650188	0.01784161	0.049124412	Spns1
ENSMUSG00000105851.1	37.11768195	1.178513547	0.017861002	0.049171569	RP23-45G4.2
ENSMUSG00000082002.1	81.72969458	0.791351459	0.017879253	0.049215568	RP23-22J3.4
ENSMUSG00000079144.7	359.1023792	-0.38010733	0.01789141	0.049242788	AL365322.1
ENSMUSG00000027634.14	1455.423102	-0.201525925	0.017908689	0.049284096	Ndrp3
ENSMUSG00000090576.2	62.43866513	-0.977338469	0.017932546	0.04934349	RP23-131B11.2
ENSMUSG00000040174.14	258.6345099	0.462579941	0.017944168	0.049369211	Alkbh3
ENSMUSG00000046010.7	2106.628172	0.172905197	0.017959541	0.04940199	Zfp830
ENSMUSG00000065482.1	42.46090946	-1.082999098	0.017960635	0.04940199	Mir302c
ENSMUSG00000024960.8	3189.894061	-0.143886345	0.017963471	0.049403528	Plcb3
ENSMUSG00000068115.13	1885.743275	-0.176649962	0.017985936	0.049459046	Ninl
ENSMUSG00000062202.13	1460.045674	0.205108537	0.017999415	0.049489839	Btbd9
ENSMUSG00000029474.7	1308.64074	0.207505621	0.018032512	0.04957456	Rnf34
ENSMUSG00000074476.6	3255.925363	-0.147505534	0.018043892	0.049599563	Spc24
ENSMUSG00000092805.2	136.3547766	0.649172945	0.018048477	0.049599601	Gm26461
ENSMUSG00000097503.2	34.26533561	1.223018419	0.018047201	0.049599601	RP23-280I2.1
ENSMUSG00000027217.13	261.7850269	-0.435924851	0.01805429	0.049609293	Tspan18
ENSMUSG00000057421.12	4873.581193	-0.124483054	0.018058867	0.04961098	Las1l
ENSMUSG000000101309.1	858.6041589	-0.24928018	0.018059476	0.04961098	RP24-331H14.2
ENSMUSG00000026644.7	33.87218993	1.247154963	0.01807243	0.049640282	Acbd7
ENSMUSG00000024232.1	1367.859595	0.20549223	0.018084946	0.049668375	Bambi
ENSMUSG00000029838.11	579.9491479	-0.307916549	0.018105952	0.049719773	Ptn
ENSMUSG00000035967.15	1638.95383	-0.217087119	0.018121146	0.049748906	Ddx26b
ENSMUSG00000070939.9	898.047016	0.247305064	0.018120615	0.049748906	Tgfbp1
ENSMUSG00000069744.7	11857.25855	0.109170462	0.018127355	0.049759659	Psmb3
ENSMUSG00000021983.16	295.1709131	-0.411034131	0.018159544	0.049841713	Atp8a2

ENSMUSG00000104913.1	26753.7762	-0.086633521	0.018167915	0.049858383	RP24-324L19.3
ENSMUSG00000022452.15	2881.197591	0.151857704	0.018181138	0.049881816	Smdt1
ENSMUSG00000024131.7	15.91193997	1.860998688	0.018180131	0.049881816	Slc3a1
ENSMUSG00000046111.17	2819.663163	-0.174961885	0.018185648	0.049881816	Cep295
ENSMUSG00000107184.1	6.362687356	3.465113325	0.018183591	0.049881816	RP23-253G12.3
ENSMUSG00000024027.7	48.63718621	-1.021143934	0.018188119	0.049882291	Glp1r
ENSMUSG00000005506.16	13061.51559	-0.110072536	0.018204997	0.04992227	Celf1
ENSMUSG00000052033.13	2043.304717	0.17092115	0.018211822	0.049934676	Pfdn4
ENSMUSG00000036932.14	3603.969289	-0.142671534	0.018221045	0.049953654	Aifm1
ENSMUSG00000026622.15	3999.486044	0.132498057	0.018225024	0.04995825	Nek2
ENSMUSG00000021514.18	2168.631185	0.182186999	0.018282505	0.050109489	Zfp369
ENSMUSG00000021417.15	921.5068791	0.245070995	0.018303133	0.050153357	Eci2
ENSMUSG00000023805.17	139.6482127	-0.593981832	0.018300834	0.050153357	Synj2
ENSMUSG00000020681.14	98.04077855	-0.729600258	0.018315124	0.050179878	Ace
ENSMUSG00000015961.8	5844.021872	-0.120564006	0.018322143	0.050192774	Adss
ENSMUSG00000079418.3	359.5165631	0.374022019	0.01833569	0.050223545	Atg4a
ENSMUSG000000101122.1	29.74536885	1.415140832	0.018338811	0.050225754	RP23-16N14.5
ENSMUSG00000020850.14	34608.07159	-0.095187267	0.018412537	0.05042131	Prpf8
ENSMUSG00000029420.12	20.35053118	-1.655155784	0.018425711	0.050447085	Rimbp2
ENSMUSG00000039396.11	611.1884299	-0.304642299	0.018426599	0.050447085	Neil3
ENSMUSG00000029322.12	33.68035497	-1.217640809	0.018463716	0.050539506	Plac8
ENSMUSG00000034579.17	69.6892165	-0.836701147	0.018465014	0.050539506	Pla2g3
ENSMUSG00000013736.16	4332.256897	0.129837038	0.018482256	0.050580317	Trnt1
ENSMUSG00000042079.13	30682.93351	0.090449104	0.018502254	0.050628661	Hnrnpf
ENSMUSG000000069835.10	70.30998057	0.852755941	0.018545127	0.05073958	Sat2
ENSMUSG000000113722.1	71.84281974	0.828405737	0.018556046	0.050763055	RP24-132G6.4
ENSMUSG00000094076.7	360.5465021	0.374836765	0.018575456	0.050809749	RP24-219P17.2
ENSMUSG00000021963.17	6059.359069	0.127527696	0.018610241	0.050892068	Sap18
ENSMUSG00000070605.4	870.5534348	-0.247594039	0.018608825	0.050892068	RP24-320O9.1
ENSMUSG00000038774.9	2051.396411	-0.187864655	0.018637461	0.050960083	Ascc3
ENSMUSG00000040729.7	876.6013717	0.244939277	0.018643532	0.05097026	Cep126
ENSMUSG00000043190.14	380.6471836	0.392716798	0.018661018	0.05101164	Rfisd
ENSMUSG000000024833.14	3449.570218	-0.139351563	0.018701445	0.051115712	Pola2
ENSMUSG00000084370.3	132.6137881	-0.615414423	0.018735084	0.051201207	AC133938.1
ENSMUSG00000109086.1	745.7367682	-0.263155216	0.018740171	0.051208662	RP24-226N16.1
ENSMUSG00000021620.4	6.327259355	3.457555446	0.018746998	0.051220867	Acot12
ENSMUSG00000043284.12	4141.07633	0.135054979	0.018800532	0.051360669	Tmem11
ENSMUSG00000038909.16	6614.366278	0.117550024	0.018819033	0.05140474	Kat7
ENSMUSG00000039670.2	242.4024646	0.449565783	0.018839698	0.05145471	Oxld1
ENSMUSG000000099034.7	195.7741495	0.512137589	0.018931984	0.051700254	RP24-289J12.1
ENSMUSG00000024767.11	3898.945222	0.142854233	0.018971068	0.051799443	Otub1
ENSMUSG00000074580.11	62.54348845	0.885852751	0.01897308	0.051799443	RP23-389J8.4
ENSMUSG00000030726.16	5374.148164	-0.12303173	0.019010628	0.051895426	Pold3
ENSMUSG00000019986.17	472.520067	-0.335079518	0.019013217	0.051895966	Ahi1
ENSMUSG00000028973.18	2417.202076	-0.158091897	0.019060908	0.052019594	Abcb8
ENSMUSG00000090610.3	6019.936253	0.121463113	0.019082714	0.052072559	RP24-446O20.4
ENSMUSG000000115593.1	3513.335981	0.14144535	0.01909278	0.052093478	RP23-376I10.1
ENSMUSG00000020814.13	1711.535058	0.184530974	0.019101294	0.052110155	Mxra7
ENSMUSG00000048521.8	12.63545064	-2.181315473	0.01910479	0.05211314	Cxcr6
ENSMUSG00000031616.7	54.26225658	-0.945864079	0.019111869	0.0521259	Ednra
ENSMUSG00000027651.16	2225.375506	0.16801461	0.019142876	0.052203908	Rprd1b
ENSMUSG00000017781.17	4574.582032	0.12722053	0.019173467	0.052280762	Pitpna
ENSMUSG00000026213.15	1658.905206	0.193702305	0.019184734	0.052304911	Stk11ip
ENSMUSG00000021936.14	2695.467591	-0.156345672	0.01922562	0.052409798	Mapk8
ENSMUSG000000063810.7	2720.571267	-0.162819616	0.019255047	0.052483424	Alms1
ENSMUSG00000080902.1	2044.674107	0.16904872	0.019291217	0.05257541	RP23-402H11.1
ENSMUSG00000094724.8	87.26427828	-0.755017242	0.019298075	0.052587495	Rnaset2b
ENSMUSG00000098979.1	21.77195984	-1.515095295	0.019313638	0.0526233	Gm27544
ENSMUSG00000042570.14	2132.213869	-0.165787767	0.01932342	0.052643341	Mier2
ENSMUSG00000020305.13	660.0419644	-0.303180558	0.019340699	0.052679985	Asb3
ENSMUSG00000044982.6	550.37714	0.306022969	0.019341725	0.052679985	Sft2d3
ENSMUSG00000050312.12	408.6976199	0.374679549	0.019364635	0.052735765	Nsun3
ENSMUSG000000097271.1	12.57044259	2.098441499	0.019403481	0.052834925	RP24-490D10.1
ENSMUSG00000026457.14	7343.578875	-0.123080513	0.019429112	0.052898079	Adipor1
ENSMUSG00000040034.15	3003.598162	0.146717117	0.019443189	0.052924805	Nup43
ENSMUSG00000072419.5	274.4133367	0.431982726	0.019444998	0.052924805	Dppa2
ENSMUSG00000074682.4	3151.915161	-0.146032459	0.019446244	0.052924805	Zcchc3
ENSMUSG00000028066.15	2817.624144	-0.150568837	0.01946811	0.052977671	Pmf1
ENSMUSG00000024209.9	40.85226807	1.102692265	0.019478471	0.052999219	RP23-124G7.3
ENSMUSG00000082319.3	5328.220497	0.120094638	0.019506523	0.053068894	RP23-460M19.1

ENSMUSG00000022489.6	1392.163061	-0.203677306	0.019518102	0.053093739	Pde1b
ENSMUSG00000042750.7	7129.23876	0.136833916	0.019563806	0.053211395	Bex2
ENSMUSG00000054999.2	107.5412948	-0.668439591	0.019576873	0.053240263	Naaladl1
ENSMUSG00000026285.7	127.9772671	-0.623752749	0.019589733	0.05326856	Pdcd1
ENSMUSG00000039519.6	49.45893841	-1.003383715	0.019604292	0.053299398	Cyp7b1
ENSMUSG00000093484.1	453.1758295	0.334269321	0.019605985	0.053299398	RP23-445D13.4
ENSMUSG00000035199.6	4051.002392	-0.136157483	0.019617541	0.053324134	Arl6ip5
ENSMUSG00000026018.12	14.95191344	1.896080603	0.019630977	0.053353973	Ica11
ENSMUSG00000019326.14	126.6129468	-0.621584244	0.019690943	0.053510249	Aoc3
ENSMUSG00000062110.14	172.0479709	-0.551310073	0.01969623	0.053517914	Scfd2
ENSMUSG00000115276.1	116.3253752	-0.64009602	0.019707024	0.053540541	RP23-366I10.5
ENSMUSG00000039178.9	489.1293413	-0.324800253	0.019725864	0.053585016	Tbc1d19
ENSMUSG00000045252.11	1531.678901	0.190588717	0.019746181	0.053626783	Zfp574
ENSMUSG00000099980.1	1559.315699	0.203834905	0.019746181	0.053626783	RP23-58N8.4
ENSMUSG00000020580.10	4021.269985	-0.152204534	0.019788587	0.053728502	Rock2
ENSMUSG00000101519.1	140.3509367	0.603182983	0.019788449	0.053728502	Ska2l-ps
ENSMUSG00000063179.13	840.6126507	-0.248114924	0.019815529	0.053794922	Pstk
ENSMUSG00000056941.17	1029.013561	0.22668092	0.019850697	0.053883654	Commd7
ENSMUSG00000030559.8	161.1936824	-0.551607342	0.019870095	0.05392632	Rab38
ENSMUSG00000051705.13	943.975307	0.23470598	0.019871384	0.05392632	Senp8
ENSMUSG00000093904.2	19343.66148	0.089874038	0.019881369	0.053939926	Tomm20
ENSMUSG00000113170.1	38.66008579	1.129184277	0.019880061	0.053939926	RP24-177A17.5
ENSMUSG00000020152.7	13525.28517	0.098549964	0.019959341	0.054137934	Actr2
ENSMUSG00000089886.1	40.82613314	-1.087795624	0.019957014	0.054137934	AC149085.5
ENSMUSG00000024712.9	1670.591572	0.183372188	0.019963368	0.054142091	Rfk
ENSMUSG00000034254.17	4518.991453	0.125303471	0.020044807	0.054356167	Agpat1
ENSMUSG00000030213.12	4961.792725	-0.122536325	0.020064675	0.054403246	Atf7ip
ENSMUSG00000098146.1	39.07987219	-1.110407275	0.020085416	0.054452679	RP23-72M20.6
ENSMUSG00000032498.9	2405.975783	-0.16476868	0.02012398	0.054550413	Mlh1
ENSMUSG00000052139.18	573.1299993	0.296532843	0.020169751	0.054667659	Bre
ENSMUSG00000095766.2	87.4801357	-0.788214239	0.020176919	0.054680256	RP23-152N9.1
ENSMUSG00000024899.6	73.75852595	0.821639561	0.020186859	0.054700364	Papss2
ENSMUSG00000061488.5	1661.376314	-0.197833315	0.020191559	0.05470627	Rpl27a-ps1
ENSMUSG00000021732.14	48.79883129	-0.988967364	0.020199045	0.054719719	Fgf10
ENSMUSG00000021890.6	3175.954395	0.141895061	0.020203528	0.054725033	Eaf1
ENSMUSG00000049760.5	2067.000207	0.168560562	0.020216569	0.054751636	2410015M20Rik
ENSMUSG00000061175.11	2644.431265	0.156602645	0.020218395	0.054751636	Fnip2
ENSMUSG00000045624.15	2802.416728	0.152654512	0.020236225	0.054793083	Esf1
ENSMUSG00000032527.13	956.5058666	0.252120422	0.020278696	0.054901231	Pccb
ENSMUSG00000020166.15	3883.691637	-0.132022227	0.020281345	0.054901552	Cnot2
ENSMUSG00000103272.1	62.69235926	0.995833381	0.020318424	0.054995065	RP24-308M3.2
ENSMUSG00000055652.14	1106.708827	0.217272459	0.020334498	0.05503171	Klh125
ENSMUSG00000063953.3	6223.483954	-0.113339714	0.020354304	0.055078441	Amd2
ENSMUSG00000091749.7	14.33496191	1.977169245	0.020402568	0.055202161	Tspy-ps
ENSMUSG00000000085.16	718.3517561	-0.266682471	0.020413437	0.055224685	Scmh1
ENSMUSG00000101834.1	205.7344658	0.503935904	0.020435537	0.055277581	RP24-211L16.2
ENSMUSG00000021569.10	2507.803946	0.154268643	0.020464547	0.055349153	Trip13
ENSMUSG000000054893.15	418.1867359	0.353074581	0.020511437	0.05546906	Zfp667
ENSMUSG00000028803.18	1695.520717	-0.180582581	0.020561081	0.055596385	Nipal3
ENSMUSG00000038102.15	3182.278052	0.156021229	0.020587	0.055652601	Trappc11
ENSMUSG00000047187.9	5185.477511	0.119739839	0.020585485	0.055652601	Rab2a
ENSMUSG00000045691.14	147.1209738	0.580468047	0.020593017	0.055661931	Thtpa
ENSMUSG00000037419.9	470.1120943	-0.332579419	0.020610693	0.055702771	Endod1
ENSMUSG00000026176.13	2256.00961	-0.161155463	0.020637232	0.055767552	Ctdsp1
ENSMUSG00000069267.2	168.3247351	0.540075399	0.020648027	0.055789775	Hist1h3b
ENSMUSG00000074136.9	128.5812078	-0.619885546	0.020678688	0.055865664	AC127300.3
ENSMUSG00000035351.16	1977.511099	0.183433843	0.020688875	0.055883555	Nup37
ENSMUSG00000037013.15	4829.943329	-0.12637111	0.02069046	0.055883555	Ss18
ENSMUSG00000074576.4	330.1093202	0.388164614	0.020701301	0.055898921	Mocs3
ENSMUSG00000097755.1	168.7506664	0.538372912	0.020699913	0.055898921	2010110K18Rik
ENSMUSG00000060012.9	1943.116485	0.176393011	0.0207301	0.055969724	Kif13b
ENSMUSG00000031913.9	1054.676835	0.225282697	0.020784229	0.056108886	Vps4a
ENSMUSG00000038299.15	5345.389611	0.120186458	0.020786921	0.056109173	Wdr36
ENSMUSG00000022663.3	1196.173962	0.212917149	0.020800609	0.056139138	Atg3
ENSMUSG00000008090.14	1176.453845	-0.2109496	0.020819575	0.056181887	Fgfr11
ENSMUSG00000107385.3	589.8591439	-0.296670532	0.020821626	0.056181887	RP24-103L16.5
ENSMUSG00000049321.17	902.5915117	-0.242510864	0.020869079	0.056296623	Zfp2
ENSMUSG00000116529.1	878.486899	0.246965479	0.020869336	0.056296623	RP23-246B24.3
ENSMUSG00000032308.9	845.1153924	-0.246716096	0.020882876	0.056326146	Ulk3
ENSMUSG00000074305.9	2272.128575	-0.180971939	0.020890944	0.056333905	Peak1

ENSMUSG00000082286.10	400.4366936	-0.377035934	0.020890603	0.056333905	Pisd-ps1
ENSMUSG00000023348.11	2022.196349	0.183141196	0.020899264	0.056335341	Trip6
ENSMUSG00000046699.14	264.7073927	-0.422544892	0.020895604	0.056335341	Slitrk4
ENSMUSG00000092178.2	420.7288957	0.346011575	0.020897411	0.056335341	RP24-244P2.1
ENSMUSG00000068079.5	203.4250316	-0.486023838	0.020904128	0.056341454	Tcf15
ENSMUSG00000041130.9	5081.21029	-0.1211149	0.02095452	0.056470258	Zfp598
ENSMUSG00000003464.13	3898.977277	-0.135018753	0.020963786	0.0564763	Pex19
ENSMUSG00000034868.8	4935.34104	0.125390086	0.020962377	0.0564763	Myl12b
ENSMUSG00000056124.5	2011.869914	-0.17264049	0.020964569	0.0564763	B4galt6
ENSMUSG000000071711.12	2555.235756	-0.158869979	0.020985765	0.056519991	Mpst
ENSMUSG00000081756.1	50.00074402	-0.980754872	0.020985996	0.056519991	RP23-432G17.1
ENSMUSG00000083907.2	168.960652	0.528971178	0.021014136	0.056588756	Plk-ps1
ENSMUSG00000025395.14	4402.693859	0.134055803	0.021023093	0.056605852	Prim1
ENSMUSG00000026064.15	5458.792412	0.119422666	0.021036114	0.056633885	Ptp4a1
ENSMUSG00000038997.4	7.30369152	3.038504725	0.021057354	0.056684034	Asb17
ENSMUSG00000038607.12	35.79128153	-1.165794727	0.021074872	0.056724156	Gng10
ENSMUSG00000039474.13	1910.167768	0.177833975	0.021090202	0.056758378	Wfs1
ENSMUSG00000037788.14	709.4146491	-0.276085467	0.021103668	0.056787577	Vopp1
ENSMUSG00000031371.14	1088.877584	0.234243455	0.021133355	0.056860411	Haus7
ENSMUSG00000043913.14	40.53320294	-1.133470654	0.021143628	0.056881	Ccdc60
ENSMUSG00000064138.14	400.7374156	0.347528144	0.021168611	0.056934093	Fam172a
ENSMUSG000000110341.1	32.06016818	1.256626557	0.021168216	0.056934093	RP24-140P18.1
ENSMUSG00000082878.1	1605.000241	0.189179491	0.021192662	0.056991717	RP23-243E17.10
ENSMUSG00000021519.11	843.4140343	-0.247409464	0.021228256	0.057080362	Mterf3
ENSMUSG00000053730.15	1714.620982	-0.182260529	0.021237169	0.057097256	Tmem39b
ENSMUSG000000110126.1	1007.623512	-0.231678975	0.021253319	0.057133596	RP24-78F23.1
ENSMUSG00000021738.5	443.8201568	-0.335723344	0.021266115	0.057160914	Atxn7
ENSMUSG00000030839.12	409.5115108	0.356060719	0.021274282	0.057175785	Sergef
ENSMUSG00000024459.18	61.07192333	-0.891658411	0.021293088	0.057219243	H2-M5
ENSMUSG00000018654.17	68.2376174	-0.829143924	0.021314402	0.057264173	Ikzf1
ENSMUSG00000037990.18	54.80038275	0.9370894	0.021315086	0.057264173	Sh3rf3
ENSMUSG00000086915.7	12.91200084	-1.989849001	0.021329045	0.057294582	RP23-427115.4
ENSMUSG00000029922.15	9498.031566	0.10510198	0.021336716	0.057308096	Mkrm1
ENSMUSG00000029455.14	4971.041231	-0.12280806	0.021349951	0.05733175	Aldh2
ENSMUSG00000082070.1	800.1078148	0.251447615	0.021350806	0.05733175	RP23-170L24.3
ENSMUSG00000081325.1	905.4815242	-0.255948035	0.021366763	0.057367498	RP23-311O20.1
ENSMUSG00000034854.8	675.1940891	0.274294406	0.02137915	0.057386654	Mfsd12
ENSMUSG00000052133.16	320.7317877	-0.400089219	0.021379186	0.057386654	Sema5b
ENSMUSG000000114321.1	1150.943557	0.212519895	0.02140885	0.057459171	RP23-204N13.5
ENSMUSG00000042680.7	788.5078432	0.269256207	0.021480223	0.057643601	Garem1
ENSMUSG00000054733.9	288.0917766	0.422333322	0.021527294	0.057762778	Msra
ENSMUSG00000097428.1	7.091123516	2.996998375	0.021548143	0.05781157	RP23-168E14.4
ENSMUSG00000002602.16	915.1535047	-0.236233067	0.021557382	0.05781505	Axl
ENSMUSG00000021607.9	569.56293	0.295543262	0.021556141	0.05781505	Mrpl36
ENSMUSG00000060681.15	1917.96677	-0.180103555	0.021557432	0.05781505	Slc9a6
ENSMUSG00000050896.12	590.4098343	-0.289281479	0.021579855	0.057868036	Rtn4r12
ENSMUSG00000003868.14	11335.08124	0.10179023	0.021620177	0.057969	Ruvbl2
ENSMUSG00000020524.16	14.50356463	-1.883293808	0.02168098	0.058124846	Gria1
ENSMUSG00000061374.14	2311.414882	0.161525395	0.021692556	0.058148698	Fiz1
ENSMUSG00000024921.17	600.1538984	-0.285382276	0.021714904	0.058201415	Smarca2
ENSMUSG00000039200.16	573.4797571	-0.308446557	0.021728907	0.058231755	Atf7ip2
ENSMUSG00000028926.15	625.8337732	-0.29662435	0.02173975	0.058253619	Cdk14
ENSMUSG00000000581.8	3005.66394	0.144584766	0.021746241	0.058256624	C1d
ENSMUSG00000054057.2	175.738639	-0.512752604	0.021744044	0.058256624	RP23-350C1.3
ENSMUSG00000025821.9	755.1523787	-0.267744902	0.021756533	0.058277004	Zfp282
ENSMUSG00000063063.12	249.1448254	0.440436076	0.021797297	0.058378987	Ctnna2
ENSMUSG00000038135.4	47.71098709	-0.987743486	0.021893082	0.058622597	Crygn
ENSMUSG00000081560.1	19.803656	-1.575117819	0.021895671	0.058622597	RP23-119K17.1
ENSMUSG00000087823.1	10.62919184	-2.217824364	0.021896359	0.058622597	Gm22281
ENSMUSG00000014226.10	8297.378067	0.11336621	0.021920311	0.058679487	Cacybp
ENSMUSG000000113078.1	55.38034381	-0.931648626	0.021928378	0.05869384	RP23-204L16.5
ENSMUSG00000027288.16	19321.04116	-0.094503702	0.021940095	0.05871796	Zfp106
ENSMUSG00000033906.5	944.8489577	-0.233333674	0.021967486	0.058784017	Zdhhc15
ENSMUSG00000024902.4	2730.409542	0.150055369	0.021971088	0.058786407	Mrpl11
ENSMUSG00000002031.12	2416.485012	0.157144512	0.021988995	0.058827068	Ift46
ENSMUSG00000084915.2	144.0406115	0.60188318	0.022026254	0.058919483	RP24-460O22.2
ENSMUSG00000027573.11	1367.513372	0.196532625	0.022032131	0.05892794	Gid8
ENSMUSG00000067212.8	770.4387697	0.25344672	0.022061834	0.059000114	H2-T23
ENSMUSG00000030659.14	809.4883949	0.253442826	0.022092381	0.059074527	Nucb2
ENSMUSG00000027286.16	429.9528446	0.33610625	0.022107809	0.059108498	Lrrc57

ENSMUSG00000016520.7	690.1728242	0.272123372	0.022115224	0.059121039	Lnx2
ENSMUSG00000021461.17	858.5065185	0.241829747	0.022121765	0.059131242	Fancc
ENSMUSG00000024400.15	4928.356774	0.123109509	0.022139979	0.059172638	Wdr33
ENSMUSG00000007036.15	752.8635638	-0.262518301	0.022149107	0.059189746	Abhd16a
ENSMUSG00000028100.11	84.14416369	-0.743015733	0.022156799	0.059203011	Nudt17
ENSMUSG00000028756.12	1291.355463	-0.201496747	0.022175149	0.059237455	Pink1
ENSMUSG00000067215.5	703.619739	0.274223132	0.022174752	0.059237455	Usp51
ENSMUSG00000044155.11	2699.278176	-0.152934713	0.022228328	0.059372205	Lsm8
ENSMUSG00000027454.10	1636.774327	0.18753353	0.022234664	0.059381822	Gins1
ENSMUSG00000055809.7	467.6410029	-0.320881572	0.022294373	0.059533959	Dnaaf3
ENSMUSG00000015214.14	589.6840546	0.301874017	0.022317268	0.059587766	Mtmr1
ENSMUSG00000072949.6	192.9767115	-0.506594148	0.022326608	0.05960537	Acot1
ENSMUSG00000035919.16	638.547557	0.276356287	0.022357811	0.059681331	Bbs9
ENSMUSG00000020826.8	15.13082764	-1.930427485	0.022379149	0.059730943	Nos2
ENSMUSG00000031791.8	799.3982755	-0.253194157	0.02239196	0.059757785	Tmem38a
ENSMUSG00000030402.5	188.6131235	-0.518843934	0.02239886	0.05976885	Ppm1n
ENSMUSG0000003070.6	1209.558756	-0.218953759	0.022463128	0.059932972	Efna2
ENSMUSG00000024905.15	104.5622262	0.675960418	0.022478138	0.059965648	Mtl5
ENSMUSG00000018727.19	199.7424415	-0.479245997	0.02248848	0.059978492	Cpsf4l
ENSMUSG00000032077.5	1271.914772	0.20722646	0.022485959	0.059978492	Bud13
ENSMUSG00000097263.1	87.25223515	-0.72686328	0.02251181	0.060033337	Gm26804
ENSMUSG00000009079.16	23605.93142	0.093285406	0.022522632	0.060054817	Ewsr1
ENSMUSG00000004071.13	2598.721999	0.157193279	0.02254125	0.060097076	Cdip1
ENSMUSG00000061724.5	6856.950596	0.111484984	0.022553093	0.060121266	RP23-9C19.3
ENSMUSG00000029335.5	9.310667981	-2.46316048	0.02256402	0.060135622	Bmp3
ENSMUSG00000034457.10	138.4428623	-0.585315903	0.022562724	0.060135622	Eda2r
ENSMUSG00000029755.10	17.01536446	-1.747056688	0.022593558	0.06020695	Dlx5
ENSMUSG00000023987.14	11.13205919	-2.259107097	0.022597666	0.060210504	Pgc
ENSMUSG00000044952.5	230.2304334	0.486257124	0.022613335	0.060244855	Kctd21
ENSMUSG00000027175.10	375.0367359	-0.381281978	0.022619244	0.060253203	Tcp1111
ENSMUSG00000026245.16	4290.111031	0.130174384	0.022674501	0.06038683	Farsb
ENSMUSG00000106590.1	8.956726211	2.53126131	0.022674973	0.06038683	RP23-181P9.3
ENSMUSG00000026491.13	7229.104097	-0.121292615	0.022680797	0.060394926	Ahctf1
ENSMUSG00000032511.17	421.9205225	-0.33625341	0.022686562	0.060402866	Scn5a
ENSMUSG00000036218.16	22.00353457	-1.51902769	0.022701017	0.060430456	Pdzrn4
ENSMUSG00000048833.9	1808.390232	0.174790493	0.022702493	0.060430456	Slc39a9
ENSMUSG00000026309.14	3084.809016	0.155638296	0.022708638	0.06043456	Ilkap
ENSMUSG00000097230.1	158.2282336	-0.549355478	0.022709605	0.06043456	Gm26853
ENSMUSG00000040242.14	2989.1452	0.144870048	0.022725031	0.060468197	Fgfr1op2
ENSMUSG00000032288.9	2529.25878	0.159091607	0.02276781	0.060566246	Imp3
ENSMUSG00000046603.16	346.2876041	-0.370391058	0.022770252	0.060566246	Tcaim
ENSMUSG00000054453.11	56.774129	-0.902652964	0.022768432	0.060566246	Sytl5
ENSMUSG00000040867.12	115.2606324	-0.693868021	0.022806561	0.060652829	Begain
ENSMUSG00000045211.5	144.2737712	0.566858583	0.022808393	0.060652829	Nudt18
ENSMUSG00000085829.1	35.54415721	1.18140287	0.022830187	0.060703347	RP24-285J23.2
ENSMUSG00000066554.6	1409.668609	-0.192279148	0.022847553	0.060740649	AC158301.1
ENSMUSG00000075053.3	1997.892046	0.173753125	0.022849814	0.060740649	Vdac3-ps1
ENSMUSG00000055494.5	21.96230873	-0.476630988	0.022856235	0.060750277	RP23-55C8.3
ENSMUSG00000037855.15	153.1701026	-0.54415095	0.022884019	0.060816677	Zfp365
ENSMUSG00000024792.8	600.213692	0.292188905	0.022893528	0.060834499	Zfp1
ENSMUSG00000079267.9	18.46962446	1.636245846	0.022930247	0.06092461	RP23-455F6.2
ENSMUSG00000032563.16	3608.426736	0.13317181	0.022942991	0.060951009	Mrpl3
ENSMUSG00000028407.4	51.91602889	0.946354147	0.022958623	0.060985071	Toporsos
ENSMUSG00000085054.2	35.15183247	1.161424467	0.022978535	0.061030493	AC118698.3
ENSMUSG00000002771.12	86.8477775	-0.741327974	0.023017289	0.061124781	Grin2d
ENSMUSG00000032381.5	1297.32402	0.208192103	0.023019668	0.061124781	Fam96a
ENSMUSG00000109379.1	48.52277047	0.99855309	0.023037724	0.061165242	RP23-209B2.2
ENSMUSG00000026527.13	32.34528255	1.214929296	0.023044093	0.061174667	Rgs7
ENSMUSG00000026497.7	95.13139642	-0.755562646	0.023051509	0.061186869	Mixl1
ENSMUSG00000030304.11	3801.021793	0.1329249	0.023065693	0.061217032	Ergic2
ENSMUSG00000067786.16	169.9640252	-0.539334229	0.023069723	0.061220242	Nnat
ENSMUSG00000028059.15	7415.234601	-0.109622158	0.023074961	0.061226653	Arhgef2
ENSMUSG00000044641.7	1827.829156	0.190863481	0.023099837	0.061285166	Pard6b
ENSMUSG00000045679.14	461.2576549	0.335007254	0.023120924	0.061333614	Pqlc3
ENSMUSG00000020628.16	1288.967497	0.208791374	0.023139116	0.061370995	Trappc12
ENSMUSG00000030088.15	422.7220937	0.337435937	0.023140671	0.061370995	Aldh111
ENSMUSG00000024064.13	295.4500942	-0.396796482	0.023150777	0.061390293	Galnt14
ENSMUSG00000021193.10	8194.420911	0.111973176	0.02317387	0.061436518	Pitrm1
ENSMUSG00000107868.1	66.28929677	0.840148568	0.023172789	0.061436518	RP23-46L17.6
ENSMUSG00000035637.14	3123.857316	-0.144752466	0.023203332	0.061507111	Grhpr

ENSMUSG00000116657.1	146.5826387	0.570884637	0.023207199	0.061509847	RP23-189L19.10
ENSMUSG00000000134.17	4537.782904	0.122422517	0.023267267	0.061661524	Tfe3
ENSMUSG000000053580.16	752.0459396	0.253627801	0.02327204	0.061666644	Tanc2
ENSMUSG000000024944.5	1444.441427	0.193056375	0.023317863	0.061780523	Arl2
ENSMUSG000000038644.14	7055.953402	-0.108357976	0.023326933	0.06179701	Pold1
ENSMUSG000000039841.14	268.3758333	-0.451656902	0.023343866	0.061834319	Zfp800
ENSMUSG000000028873.16	5430.738707	0.116615509	0.023351164	0.061846103	Cdca8
ENSMUSG000000026269.14	1055.195453	-0.216605337	0.023407361	0.061987377	Rnpepl1
ENSMUSG000000036779.12	3212.903331	-0.143627353	0.023470976	0.062148258	Papd5
ENSMUSG000000045348.16	765.2148001	-0.252139547	0.023513312	0.062252762	Nyap1
ENSMUSG000000038510.12	2174.247574	0.175718834	0.023521719	0.062267424	Rpf2
ENSMUSG000000035139.14	1389.222157	-0.19311604	0.023570559	0.062389104	Secisbp2
ENSMUSG00000113775.1	24.39005932	-1.400514716	0.02358619	0.062422865	RP23-332P8.5
ENSMUSG00000102143.1	55.76836299	-0.913356331	0.023605828	0.062467221	RP23-79K5.3
ENSMUSG000000024743.15	2117.212469	0.163643433	0.023660137	0.062595671	Syt7
ENSMUSG000000037257.8	2147.61916	0.170378586	0.023659493	0.062595671	Aagab
ENSMUSG000000091275.1	263.3231978	-0.42366439	0.023669593	0.062613056	RP23-314N18.4
ENSMUSG000000027010.16	598.2865771	0.282149638	0.023692175	0.062665154	Slc25a12
ENSMUSG000000042675.15	1672.896754	-0.17967888	0.023709984	0.062704615	Ypel3
ENSMUSG000000021690.10	1814.884526	0.177270277	0.023747234	0.062795476	Jmy
ENSMUSG000000002803.14	366.3910635	-0.356023616	0.02377386	0.062858226	Btbd6
ENSMUSG000000049232.3	482.2153487	-0.309873183	0.023777607	0.062860473	Tigd2
ENSMUSG000000030059.15	2961.512235	0.150662016	0.023799773	0.062911411	Tmf1
ENSMUSG000000083090.1	7.224214408	3.0437011	0.023835409	0.062997934	RP23-407I21.6
ENSMUSG000000083518.1	11.33308621	2.387448822	0.02387082	0.063083846	RP23-198C2.8
ENSMUSG000000035673.10	1545.320192	0.190994527	0.023895452	0.063141251	Sbno2
ENSMUSG00000001334.9	164.7579225	-0.555529843	0.023902855	0.063153123	Fndc5
ENSMUSG000000098188.1	761.1035425	0.272495842	0.02390811	0.06315932	Sowahc
ENSMUSG000000032299.10	1249.013927	0.205155922	0.023914491	0.063168486	Commd4
ENSMUSG000000079388.9	148.544761	-0.549398882	0.023922171	0.063181083	RP23-227N11.1
ENSMUSG000000046541.9	464.9553217	0.363097108	0.023946654	0.06323805	Zfp526
ENSMUSG000000024535.15	428.5666644	0.328073963	0.023961671	0.063270007	Snx24
ENSMUSG000000007041.9	2438.866531	-0.152027494	0.023969861	0.063276412	Clic1
ENSMUSG000000030534.13	801.4807336	0.245158122	0.023969928	0.063276412	Vps33b
ENSMUSG00000113835.1	70.19989968	-0.815634572	0.024002269	0.06335408	RP23-394E9.1
ENSMUSG00000106498.1	13.32416888	-1.913145512	0.024024879	0.063406047	RP23-350E1.2
ENSMUSG000000034471.12	1243.993475	0.208721433	0.024049139	0.063462008	Caskin2
ENSMUSG000000075020.6	111.1868392	-0.63736266	0.024051931	0.063462008	RP23-201G13.1
ENSMUSG000000005649.17	6.207153614	3.447799471	0.024059136	0.063468433	Cabp5
ENSMUSG0000000106317.1	12.58367394	-1.975973639	0.024060216	0.063468433	RP24-500I24.6
ENSMUSG00000104642.1	495.1781011	-0.307216687	0.024086739	0.063530677	RP23-404J7.8
ENSMUSG000000035235.13	502.278862	0.308940566	0.024107649	0.063578102	Trim13
ENSMUSG000000027104.18	3046.881073	-0.14152123	0.024117269	0.063588018	Atf2
ENSMUSG000000027834.15	204.1338805	0.475112347	0.024117217	0.063588018	Serpini1
ENSMUSG000000032020.15	180.9213709	-0.497577882	0.024133515	0.063623122	Ubash3b
ENSMUSG000000031954.6	8025.734871	0.106566824	0.024169466	0.063702423	Cfdp1
ENSMUSG000000092558.3	1457.028416	-0.188041257	0.024168006	0.063702423	Med20
ENSMUSG000000036655.8	9.801847629	2.386979934	0.024182172	0.063728173	Colec11
ENSMUSG000000074754.4	254.0320019	0.423285758	0.024195167	0.063754676	RP23-70J9.6
ENSMUSG000000026141.13	10.5462614	-2.206317433	0.024218605	0.063808688	Col19a1
ENSMUSG000000073599.9	162.2254772	-0.545162287	0.02422645	0.063821609	Ecscr
ENSMUSG000000094870.8	1923.124845	-0.170965826	0.024229427	0.063821704	Zfp131
ENSMUSG000000036435.13	1855.562479	0.169886836	0.024254648	0.063880384	Exoc1
ENSMUSG000000071256.3	193.737263	0.492667204	0.024271564	0.063917181	Zfp213
ENSMUSG000000026991.20	5455.365503	-0.116050081	0.024279624	0.063930649	Pkp4
ENSMUSG000000016528.10	23855.6989	0.0882405	0.024293861	0.063953782	Mapkapk2
ENSMUSG000000087347.1	21.91909621	1.467168687	0.024294304	0.063953782	RP23-386K17.3
ENSMUSG000000031889.9	1142.94386	0.209891663	0.024308724	0.063979305	AC124713.2
ENSMUSG000000053141.16	41.68245956	-1.0393056	0.024309895	0.063979305	Ptptr
ENSMUSG000000089808.3	102.3268158	0.664317762	0.024355403	0.064091301	AC160545.4
ENSMUSG00000004798.14	870.749111	-0.235864783	0.024376402	0.064138782	Ulk2
ENSMUSG000000019975.12	686.0781252	-0.263244537	0.024380142	0.064140846	Ikbip
ENSMUSG000000079009.8	649.768388	0.270479568	0.024449951	0.064316708	RP23-11F9.3
ENSMUSG000000033970.15	2339.996461	0.163510092	0.024482123	0.064393531	Rfc3
ENSMUSG000000003153.10	79816.46251	-0.093905721	0.024486098	0.064396184	Slc2a3
ENSMUSG000000048732.5	1041.277669	0.239035782	0.024516061	0.064467172	Khl11
ENSMUSG000000027937.15	1453.853091	0.191097179	0.024545618	0.064537074	Jtb
ENSMUSG000000029468.17	40.90579207	1.061597237	0.024554997	0.064553911	P2rx7
ENSMUSG000000029307.7	23.09397831	-1.4489142	0.024572831	0.064592973	Dmp1
ENSMUSG00000004085.14	548.6286551	-0.290720179	0.0246245	0.064720953	Map3k20

ENSMUSG00000048483.6	6.908782883	2.952989415	0.024637695	0.06474779	Zdhhc22
ENSMUSG000000087042.1	171.5194439	-0.508880788	0.02465742	0.064791781	RP23-157O10.8
ENSMUSG00000000202.9	159.1845834	-0.603468449	0.024691214	0.064866923	Btbd17
ENSMUSG00000114309.1	9.663556108	2.345565086	0.024691994	0.064866923	RP23-180A14.2
ENSMUSG00000102664.1	15.46786542	-1.752699741	0.024701627	0.064884376	RP23-125I14.1
ENSMUSG00000092416.2	1757.859421	0.182648286	0.024712131	0.064904111	Zfp141
ENSMUSG00000058298.9	780.7308416	-0.252338645	0.024716221	0.064906998	Mcm9
ENSMUSG00000070880.10	36.7988105	-1.100390445	0.024732279	0.064941309	Gad1
ENSMUSG00000056919.9	881.790077	-0.23609528	0.02474899	0.064977326	Cep162
ENSMUSG00000033540.18	169.6633746	-0.535008415	0.024754598	0.064984188	Idua
ENSMUSG00000102305.1	71.42692893	-0.787095029	0.024771066	0.065019555	RP24-176F12.12
ENSMUSG00000018363.16	3387.259269	-0.139583051	0.024810763	0.065115876	Smurf2
ENSMUSG00000084522.1	7.279308312	-2.787036342	0.024830766	0.065160493	Gm25819
ENSMUSG00000081453.1	23462.3183	-0.084774475	0.024853395	0.065211992	RP24-201L14.1
ENSMUSG00000027360.5	8.757979945	2.489361515	0.024874457	0.065259364	Hdc
ENSMUSG00000056962.11	4629.623961	0.12172088	0.024890916	0.065294652	Jmjd6
ENSMUSG00000038806.7	3016.429437	0.147915542	0.02493993	0.065415322	Se2
ENSMUSG00000011877.13	7115.685908	0.114015478	0.024964212	0.065471098	Git1
ENSMUSG00000038236.8	8.869464576	2.51401011	0.024972887	0.065485936	Hoxa7
ENSMUSG00000029229.8	1923.693017	-0.167812912	0.025028862	0.065624787	Chic2
ENSMUSG00000037894.13	33028.79543	0.083679734	0.025035053	0.06563309	H2afz
ENSMUSG00000027652.15	4255.422265	0.124412877	0.025049903	0.06566409	Ralgapb
ENSMUSG00000068966.10	2331.388785	0.163461015	0.025071221	0.065712033	Zbtb34
ENSMUSG00000020653.12	1214.854189	0.205984187	0.025100554	0.065780972	Klf11
ENSMUSG00000047423.9	1003.30091	0.219813179	0.025117589	0.065817666	RP23-140G16.1
ENSMUSG00000032739.16	7.854987676	2.695628015	0.025129663	0.065835784	Pram1
ENSMUSG00000033952.14	7878.401723	-0.12087918	0.02513057	0.065835784	Aspm
ENSMUSG00000020027.18	1289.787432	-0.19703279	0.025180588	0.065955413	Socs2
ENSMUSG00000074826.10	263.8549289	0.417712528	0.025182313	0.065955413	RP24-248P14.2
ENSMUSG00000080797.2	156.9230429	0.533144848	0.025190629	0.065969232	RP23-101H1.5
ENSMUSG00000112022.1	529.6269081	0.297829496	0.025239914	0.066090325	RP24-226N22.1
ENSMUSG00000024829.12	2357.091208	0.170202683	0.025286687	0.066204812	Mrpl21
ENSMUSG00000084279.1	4464.505169	-0.122004972	0.025313364	0.066266661	RP23-395N7.1
ENSMUSG00000006784.14	358.2496379	0.357784767	0.025322245	0.066281914	Ttc25
ENSMUSG00000063543.5	2039.92121	0.161702199	0.025332432	0.066300584	RP23-147I23.4
ENSMUSG00000082737.3	86.95476112	0.737873183	0.025339667	0.066311522	RP23-275K20.2
ENSMUSG00000103746.1	25.46103022	1.358643364	0.025345195	0.066317991	RP24-423J19.1
ENSMUSG00000087621.7	7.953487156	2.691419542	0.025369886	0.066374594	AC160535.2
ENSMUSG00000046230.10	1611.326564	-0.194037499	0.025380399	0.066394095	Vps13a
ENSMUSG00000036661.14	545.6234487	-0.292393761	0.025412392	0.066469775	Dennd3
ENSMUSG00000066487.3	12812.06897	0.092601513	0.025445315	0.066547871	RP23-457N11.7
ENSMUSG00000040710.10	270.3644847	-0.409004093	0.025471525	0.066608392	St8sia4
ENSMUSG00000028788.14	8168.277797	-0.107973302	0.025509179	0.066690784	Ptp4a2
ENSMUSG00000040374.13	1525.746576	0.181912183	0.025508528	0.066690784	Pex2
ENSMUSG00000032714.6	557.3097611	-0.304712826	0.025552209	0.066795235	Syde1
ENSMUSG00000030126.17	8067.756534	0.103280339	0.02556339	0.066816415	Tmcc1
ENSMUSG00000097701.1	7.077301776	3.008020561	0.025676197	0.067103182	RP23-62D21.6
ENSMUSG00000037214.12	514.3759873	-0.308665385	0.025692078	0.067136601	Thap1
ENSMUSG00000049940.7	7733.506043	0.108725333	0.025696062	0.067138927	Pgrmc2
ENSMUSG00000067780.3	124.1902044	-0.596711763	0.025709103	0.067164916	Pi15
ENSMUSG00000097150.1	29.24586504	1.408141704	0.025781194	0.067345145	RP23-268C9.3
ENSMUSG00000037993.8	4152.868137	0.129089466	0.025791103	0.067362923	Dhx38
ENSMUSG00000042599.8	3545.001179	-0.134663657	0.0258011	0.067380923	Kdm7a
ENSMUSG00000023572.16	929.2104356	0.22774199	0.025821346	0.067425684	Ccndbp1
ENSMUSG00000083841.1	332.6705354	-0.388022908	0.02584849	0.067480323	RP23-22J3.2
ENSMUSG00000113242.1	120.5308368	-0.609285988	0.025845919	0.067480323	RP23-338N2.3
ENSMUSG00000026078.10	1764.342083	0.201938884	0.0258651	0.067515564	Pdcl3
ENSMUSG00000043131.14	2960.495654	0.150522645	0.025919498	0.067649422	Mob1a
ENSMUSG00000099902.1	592.8631463	0.299154082	0.025922922	0.067650224	RP23-323L8.3
ENSMUSG00000086420.1	723.6684355	-0.267599996	0.025928764	0.067657333	RP24-90K1.4
ENSMUSG00000038024.17	1395.145445	-0.188736893	0.025952887	0.06770678	Dennd4c
ENSMUSG00000091102.1	13.7819028	1.919393746	0.025953954	0.06770678	RP24-330A11.11
ENSMUSG00000031137.17	518.0880378	-0.300133162	0.025959534	0.067713198	Fgf11
ENSMUSG00000027358.6	43.58341766	-1.000253292	0.025968719	0.067729016	Bmp2
ENSMUSG00000114771.1	49.17129708	-0.95139042	0.025976777	0.067741891	RP23-53N20.5
ENSMUSG00000097162.2	68.9005209	0.819351416	0.025996482	0.067785131	RP24-344N22.1
ENSMUSG00000081944.1	88.40123372	0.713727566	0.026015982	0.067827829	RP23-330N10.7
ENSMUSG00000026750.6	7859.179841	0.10474491	0.026069682	0.067959668	Psmb7
ENSMUSG00000032596.14	15.14714945	1.766551252	0.026125344	0.068096592	Uba7
ENSMUSG00000099662.1	712.5955482	0.257884611	0.026144102	0.068137301	Ppp1r2-ps2

ENSMUSG00000026848.14	3492.919399	0.135044423	0.026206744	0.068275961	Tor1b
ENSMUSG00000027843.13	11.19648506	2.110780645	0.026205837	0.068275961	Ptpn22
ENSMUSG000000041477.14	927.3264822	-0.237218386	0.026204506	0.068275961	Dcp1b
ENSMUSG00000027900.15	824.2700543	0.243533017	0.026259448	0.068405058	Dram2
ENSMUSG000000041684.11	1733.084833	-0.171668285	0.026262799	0.068405577	Bivm
ENSMUSG000000040111.16	684.9621144	-0.277872401	0.026279873	0.068441834	Gramd1b
ENSMUSG000000116895.1	920.0053724	0.225971999	0.026307287	0.068505009	RP23-464D14.5
ENSMUSG000000062526.3	191.5865092	-0.488540936	0.02631049	0.068505129	Mppe1
ENSMUSG000000081684.4	22799.58653	0.084177861	0.026317947	0.068516326	Rps2-ps13
ENSMUSG000000086596.2	99.70519781	-0.657619699	0.026322074	0.068518328	Susd5
ENSMUSG000000108358.1	33.82817832	-1.166434286	0.026325031	0.068518328	RP23-181P23.1
ENSMUSG00000020331.9	741.8303238	-0.262425382	0.026340552	0.068534067	Hcn2
ENSMUSG00000022971.18	373.0937408	-0.350669641	0.026335214	0.068534067	lfnar2
ENSMUSG000000110043.1	34.2636258	-1.181239604	0.026338432	0.068534067	RP24-84J11.1
ENSMUSG000000059237.6	692.1505403	0.260900283	0.026360323	0.068577287	Ppp1r2-ps4
ENSMUSG000000031641.14	757.3393211	0.250328173	0.026368159	0.06858123	Cbr4
ENSMUSG000000036114.3	728.2634517	0.271259723	0.026365438	0.06858123	Rpp25l
ENSMUSG000000083971.3	415.7999105	0.339456653	0.026372126	0.06858333	RP23-342J9.2
ENSMUSG000000087574.1	35.95981607	-1.107200616	0.026396596	0.06863874	RP23-393B19.1
ENSMUSG000000048709.6	457.6187009	0.315705747	0.026429539	0.068716169	RP23-252K7.6
ENSMUSG000000109645.1	258.5828911	-0.418411751	0.026453493	0.068770209	RP24-229E19.1
ENSMUSG000000026473.15	6322.532768	0.107860746	0.026471997	0.06880183	Glul
ENSMUSG000000112690.1	524.832975	0.297532508	0.026470213	0.06880183	RP24-226N22.2
ENSMUSG000000018398.18	5210.167974	-0.114715606	0.02650816	0.068887568	08_Sep
ENSMUSG000000057229.11	1938.965537	-0.164940587	0.02652149	0.068913957	Atp5sl
ENSMUSG000000029432.12	1058.225213	0.214929162	0.026526992	0.068920003	Gbas
ENSMUSG000000110275.1	14085.68487	0.108432156	0.026548449	0.068967492	RP23-179K7.3
ENSMUSG000000027938.11	193.5625678	-0.511955891	0.026578992	0.069038574	Creb3l4
ENSMUSG000000034810.7	64.52818064	-0.871108416	0.026603267	0.069086788	Scn7a
ENSMUSG000000091530.2	35.91315023	-1.115111146	0.026603921	0.069086788	RP23-383P18.3
ENSMUSG000000087179.8	752.6168189	-0.248569118	0.026640083	0.069172419	RP24-482A24.3
ENSMUSG0000000089706.7	36.48514193	-1.10664664	0.026658511	0.069211989	RP23-178F20.1
ENSMUSG000000025019.15	437.7442121	0.344911787	0.02666253	0.069214141	Lcor
ENSMUSG000000095217.1	54.94551523	0.937456539	0.026721266	0.069358321	Hist1h2bn
ENSMUSG00000012126.16	255.669868	0.459614394	0.026737437	0.069391996	Ubxn11
ENSMUSG000000048668.16	3070.600217	-0.138046358	0.026767864	0.069462654	Rhno1
ENSMUSG000000044320.14	88.93549722	-0.693621303	0.02679429	0.069522918	RP23-221O14.1
ENSMUSG000000028758.12	71.663827	0.776364843	0.026851961	0.069664228	Kif17
ENSMUSG000000030539.13	2266.797595	0.153570809	0.026862547	0.069681754	Sema4b
ENSMUSG0000000109704.1	23.78897316	1.375760603	0.026865138	0.069681754	RP24-266E2.1
ENSMUSG000000019528.18	1528.376298	0.185418449	0.026900828	0.069765985	Gyg
ENSMUSG000000049960.4	1000.627761	0.225903997	0.026917846	0.069801779	Mrps16
ENSMUSG000000031622.16	5173.488243	-0.114699495	0.026924424	0.069810496	Sin3b
ENSMUSG000000035232.8	1377.927176	-0.188168623	0.026939469	0.06984116	Pdk3
ENSMUSG000000089695.2	37.51335458	1.102683641	0.02694316	0.069842386	RP23-351C7.5
ENSMUSG000000056943.2	572.1584258	0.280179986	0.026963537	0.069886859	RP23-108H19.2
ENSMUSG000000084033.3	78.80679158	-0.78225328	0.026967792	0.069889541	RP23-401M24.5
ENSMUSG000000047085.14	332.7620641	-0.393402096	0.026994988	0.069951668	Lrrc4b
ENSMUSG000000081540.3	100.2391702	0.663657842	0.027024734	0.070020389	RP23-270A19.4
ENSMUSG000000046179.17	1416.834346	0.202618778	0.02704399	0.070061916	E2f8
ENSMUSG000000082110.1	508.3367959	0.300086268	0.027050234	0.070069727	RP23-399H5.12
ENSMUSG000000031827.13	2384.891641	0.15554703	0.027079164	0.070136296	Cotl1
ENSMUSG000000022561.13	2888.776095	0.14008692	0.027100482	0.070183135	Gpaa1
ENSMUSG000000026112.7	3326.146583	-0.135919514	0.027122678	0.070226989	Coa5
ENSMUSG000000027999.15	1962.043841	-0.167345793	0.027127124	0.070226989	Pla2g12a
ENSMUSG000000036615.6	1265.373252	-0.196733669	0.027125096	0.070226989	Rfxap
ENSMUSG00000002477.4	4289.710107	0.129088133	0.02718882	0.070378313	Snrpd1
ENSMUSG000000025809.15	18889.8748	-0.089520064	0.027205124	0.070412117	Itgb1
ENSMUSG000000031409.1	308.9347875	-0.392904447	0.027214007	0.070426709	Tceal6
ENSMUSG000000081152.1	344.8070527	0.363481099	0.027223771	0.070443577	RP23-457P12.2
ENSMUSG000000040009.6	268.2199031	-0.408951521	0.027246009	0.070492715	Gnaz
ENSMUSG000000031922.12	2763.935788	-0.143261337	0.027276861	0.070564123	Cep57
ENSMUSG000000097486.2	30.56204616	-1.21332504	0.027319404	0.070665758	RP23-97D19.2
ENSMUSG000000030880.14	2888.569794	0.145306144	0.027324537	0.070670611	Polr3e
ENSMUSG000000097218.7	20.91486943	-1.454421333	0.027371527	0.070783708	RP24-80K11.4
ENSMUSG000000037885.18	3345.253335	-0.138907135	0.027396151	0.070838946	Stk35
ENSMUSG000000041653.5	281.0461597	-0.396592475	0.027414234	0.070877258	Pnpla3
ENSMUSG000000034640.9	1726.400277	0.178708329	0.02743196	0.070908422	Tiparp
ENSMUSG000000078867.9	866.3189866	-0.233461009	0.027432823	0.070908422	RP23-67E6.3
ENSMUSG000000033429.10	459.1394672	0.31045223	0.027500196	0.071065641	Mcee

ENSMUSG00000035455.12	4668.717754	0.118892487	0.027497155	0.071065641	Figl1
ENSMUSG00000038467.15	4646.344287	0.118283471	0.027514964	0.07109534	Chmp4b
ENSMUSG00000097158.1	93.17797176	-0.700297932	0.02761379	0.071342199	Gm26516
ENSMUSG00000024048.14	7699.642528	0.104774212	0.027620542	0.07135115	Myl12a
ENSMUSG00000033059.7	4693.541119	0.120365306	0.027640719	0.071394773	Pygb
ENSMUSG00000017639.13	8032.772639	-0.101187296	0.027652229	0.071416004	Rab11fip4
ENSMUSG00000096995.2	57.39258605	0.867834891	0.027660111	0.07142786	RP23-3K10.3
ENSMUSG00000070583.1	456.9804805	0.346537096	0.027796814	0.071772332	Fv1
ENSMUSG00000078897.10	1420.67526	-0.187233239	0.027801482	0.071775846	RP23-317N11.7
ENSMUSG00000069874.7	81.00066423	-0.761460107	0.027811169	0.071792315	Irgm2
ENSMUSG00000028133.17	445.1977473	0.326169277	0.027864758	0.071919505	Rwdd3
ENSMUSG00000031391.18	590.1473393	-0.275822314	0.027867068	0.071919505	L1cam
ENSMUSG00000026347.13	84.46994952	-0.757158698	0.027920217	0.072048104	Tmem163
ENSMUSG0000011712.1	7.651040782	2.63967356	0.027924905	0.072051633	RP23-100M12.7
ENSMUSG00000018920.11	17.12166411	-1.640763858	0.027940138	0.072082367	Cxcl16
ENSMUSG00000022015.8	175.0076174	-0.508599095	0.0279623	0.072126205	Tnfsf11
ENSMUSG00000058440.14	2783.879745	0.149906836	0.027963777	0.072126205	Nrf1
ENSMUSG00000022262.8	57.88710538	-0.854351006	0.027996543	0.072202136	Dnah5
ENSMUSG00000039428.11	1397.142493	0.188778281	0.028010891	0.072230557	Tmem135
ENSMUSG00000033768.16	1768.483397	-0.168138146	0.028072627	0.072381152	Nrxn2
ENSMUSG00000091478.2	2511.460975	0.146060996	0.028085963	0.072406934	RP23-392I3.13
ENSMUSG00000106246.1	163.2653273	0.510072641	0.028098989	0.072431911	RP23-1B20.3
ENSMUSG00000054434.14	507.648002	0.300368102	0.028140551	0.072524211	Tmem120b
ENSMUSG00000057191.13	14.30639207	1.824039273	0.028141479	0.072524211	RP23-411N10.2
ENSMUSG00000027722.14	1568.342041	0.180175522	0.028167095	0.072581607	Spata5
ENSMUSG00000028955.3	4060.226106	0.123033885	0.028176599	0.072597477	Vamp3
ENSMUSG00000031840.12	162.8004561	0.513253102	0.028199334	0.072646066	Rab3a
ENSMUSG00000038074.16	438.2504961	0.32643313	0.028202152	0.072646066	Fkbp14
ENSMUSG00000052533.14	7222.697257	0.107012524	0.028215664	0.072663623	Nup188
ENSMUSG00000063334.16	3017.775199	0.1399851	0.028213936	0.072663623	Krr1
ENSMUSG00000016496.7	92.43756659	-0.67408728	0.028226079	0.072681819	Cd274
ENSMUSG00000021585.10	1053.964202	0.20977027	0.02823935	0.072707363	Cast
ENSMUSG00000059851.15	4276.180084	0.123247024	0.02829613	0.072844914	Suv420h2
ENSMUSG00000047044.7	1223.233092	0.202034998	0.028306981	0.072864203	D030056L22Rik
ENSMUSG00000032570.17	4820.109222	0.116463066	0.028354694	0.072978365	Atp2c1
ENSMUSG00000040621.14	1120.052778	-0.207651274	0.02837011	0.073009384	Gemin8
ENSMUSG00000016382.15	11345.71977	0.093271016	0.028380465	0.073027371	Pls3
ENSMUSG00000039084.8	39.46781724	-1.116127416	0.028427087	0.073138665	Chad
ENSMUSG00000027327.16	2456.346033	0.151974962	0.028450067	0.073189113	RP23-32L15.2
ENSMUSG00000034303.7	382.2182928	0.352507353	0.028460196	0.073206492	Ccdc15
ENSMUSG00000038732.15	157.8378927	-0.517704591	0.028504038	0.0733310574	Mboat1
ENSMUSG00000056267.14	779.2756002	0.250766808	0.028528755	0.073365452	Cep70
ENSMUSG00000055320.17	4838.472072	-0.120585542	0.028569908	0.073462577	Tead1
ENSMUSG00000046862.14	1066.063122	0.209779123	0.028593669	0.073514963	Pramef8
ENSMUSG00000093565.1	132.5075858	0.588944603	0.02862666	0.073591065	Rab26os
ENSMUSG00000028431.11	5655.326854	0.115928927	0.028654682	0.073654379	Ikbkap
ENSMUSG00000032122.15	270.2280716	-0.400374478	0.028659112	0.07365704	Slc37a2
ENSMUSG00000041907.9	101.0272006	-0.665205445	0.02866286	0.073657949	Gpr45
ENSMUSG00000053914.9	6.726442251	2.907637245	0.02866629	0.073658041	Kdm4d
ENSMUSG00000081953.1	14175.61938	0.094722399	0.028679071	0.073682158	RP23-178D3.1
ENSMUSG00000104788.1	48.11840413	0.990506357	0.028721846	0.073783322	RP23-117I19.3
ENSMUSG00000082998.3	633.1819116	0.283900501	0.028728682	0.073792148	RP24-313C24.1
ENSMUSG00000038816.14	2239.89846	-0.154739505	0.028733134	0.073794849	Ctnnal1
ENSMUSG00000039234.11	1017.737908	-0.218633686	0.028753826	0.073839253	Sec24d
ENSMUSG00000104342.1	151.1889034	-0.526925172	0.028787118	0.073916	RP23-7E4.2
ENSMUSG00000028530.14	1804.649884	0.165918173	0.028825801	0.074006571	Jak1
ENSMUSG00000059991.7	866.2976797	0.233829818	0.028835229	0.074022017	Nptx2
ENSMUSG0000004356.8	7188.845814	0.114248392	0.028877959	0.074122941	Utp20
ENSMUSG00000034777.2	9.374931474	2.294447369	0.028898621	0.074167202	Vax2
ENSMUSG00000011254.16	2943.160776	0.136803424	0.028911734	0.074192083	Thg1l
ENSMUSG00000032128.15	58.90147684	-0.868645674	0.028917971	0.074199314	Robo3
ENSMUSG00000031637.13	69.90531042	-0.788027705	0.028988785	0.07437222	Lrp2bp
ENSMUSG00000028954.11	2430.646319	0.146980759	0.029010093	0.07441809	Nub1
ENSMUSG00000106746.1	8.192596406	-2.656190649	0.029029859	0.074459994	RP24-82B9.1
ENSMUSG00000055067.15	697.0887708	0.2591672	0.02903401	0.074461838	Smyd3
ENSMUSG00000069308.7	53.85325159	0.896920095	0.029043681	0.074477841	Hist1h2bp
ENSMUSG00000037204.7	1915.305007	0.167258842	0.029080932	0.074564555	Atg101
ENSMUSG00000019718.8	196.8565183	-0.469674924	0.029105745	0.074619361	L3hypdh
ENSMUSG00000022322.8	2506.072031	0.148744106	0.029155043	0.074719266	Shcbp1
ENSMUSG00000032353.9	924.4263152	0.230664423	0.029148865	0.074719266	Tmed3

ENSMUSG00000035649.17	1447.730524	-0.181434301	0.029154289	0.074719266	Zcchc7
ENSMUSG00000031853.5	20.16833727	-1.462643814	0.029169969	0.074748691	Map3k21
ENSMUSG00000021775.11	1630.534584	-0.181636297	0.029175938	0.07475516	Nr1d2
ENSMUSG00000004508.6	135.9560001	0.558908313	0.029230205	0.074885362	Gab2
ENSMUSG00000103050.1	20.4465037	-1.530774888	0.029259458	0.07495146	RP23-446D4.8
ENSMUSG00000024534.15	86.90237459	-0.691442431	0.0292865	0.075011875	Sncaip
ENSMUSG00000034730.17	546.166236	-0.281752177	0.029290295	0.075012742	Adgrb1
ENSMUSG00000037843.6	479.0735183	-0.31939098	0.029319246	0.075078027	Vstm2l
ENSMUSG00000085185.9	6.832726254	2.930070269	0.029325826	0.075086017	RP23-35F19.4
ENSMUSG00000037519.17	4195.77715	0.122629726	0.029333836	0.075097665	Ppfia1
ENSMUSG00000033943.15	9308.261434	0.109270844	0.029370995	0.07517506	Mga
ENSMUSG00000085386.1	29.96487946	-1.302957338	0.029370837	0.07517506	RP23-397A11.1
ENSMUSG00000087006.3	39.22159984	-1.070015774	0.029386597	0.075206124	RP23-375N21.2
ENSMUSG00000096956.2	225.8222094	0.430952194	0.029433198	0.075316503	Snhg18
ENSMUSG00000003199.16	3356.223836	-0.140452953	0.029437352	0.075318253	Mpnd
ENSMUSG00000027357.16	1319.079665	-0.19010482	0.029469705	0.075392141	Crls1
ENSMUSG00000033953.10	5596.117934	0.114705851	0.029512925	0.075493811	Ppp3r1
ENSMUSG00000022503.10	1712.856619	0.172173005	0.02962644	0.0757676	Nubp1
ENSMUSG00000024429.9	3185.036069	0.133746558	0.02962694	0.0757676	Gnl1
ENSMUSG00000075704.16	725.9991867	0.253774263	0.029636309	0.075782629	Txnrd2
ENSMUSG00000004952.13	247.2049499	-0.415065149	0.029668353	0.07585563	Rasa4
ENSMUSG00000044145.2	62.27121251	0.844094954	0.029684784	0.075888701	RP23-206D14.1
ENSMUSG00000041936.18	12823.98456	-0.090233201	0.029688881	0.075890235	Agrr
ENSMUSG00000001655.6	17.82151919	1.570826418	0.029779899	0.07611393	Hoxc13
ENSMUSG00000029436.9	742.4493958	-0.247184676	0.029795799	0.076145599	Mmp17
ENSMUSG00000051401.6	43.43045216	-1.038724721	0.029832436	0.07623025	Kctd16
ENSMUSG00000044080.9	214.9832706	0.450507739	0.029837833	0.076235066	S100a1
ENSMUSG00000059361.6	21.50243017	-1.413902296	0.029843531	0.076240648	Nrsn2
ENSMUSG00000033991.9	2399.255031	0.154953087	0.02985443	0.076259515	Ttc37
ENSMUSG00000097879.1	171.0446734	-0.563592546	0.029871191	0.076293348	Gm26869
ENSMUSG00000021136.13	975.8938703	-0.23618888	0.029925994	0.076424325	Smoc1
ENSMUSG00000017718.15	87.35645532	0.695747088	0.029938546	0.076447386	Afrm1d
ENSMUSG00000025162.17	10556.80499	-0.092767907	0.030018917	0.076643594	Csnk1d
ENSMUSG00000102577.1	86.71653934	-0.707514323	0.03002332	0.076645818	RP23-335C3.9
ENSMUSG00000057396.7	197.1001347	-0.474537374	0.030035947	0.076669033	Zfp759
ENSMUSG00000036885.14	503.2860631	0.298934405	0.030103079	0.076831355	Arhgef26
ENSMUSG00000028383.17	942.8790277	-0.228025566	0.030123867	0.076875372	Hsdl2
ENSMUSG00000068480.6	423.7210099	-0.340034132	0.030130673	0.0768837	RP23-181K4.3
ENSMUSG00000024143.14	1468.032112	-0.193124987	0.030139794	0.076897933	Rhoq
ENSMUSG000000064702.1	27.79836218	1.253240475	0.030169303	0.076955126	Gm24950
ENSMUSG00000065251.1	27.79836218	1.253240475	0.030169303	0.076955126	Gm23971
ENSMUSG00000052368.2	65.5504437	0.820005441	0.03018506	0.076986269	RP23-337P24.5
ENSMUSG00000001741.12	14.16551665	1.788411021	0.030195623	0.077004161	Il16
ENSMUSG00000034435.6	115.9980473	-0.59725555	0.030213421	0.077040497	Tmem30b
ENSMUSG00000055435.6	594.3431708	-0.277303668	0.030232005	0.077076713	Maf
ENSMUSG00000103785.1	35.72639241	1.099947578	0.030234728	0.077076713	RP24-571H12.4
ENSMUSG00000060063.9	142.3182497	-0.560081407	0.03025539	0.077120329	Alox5ap
ENSMUSG00000043753.2	47.71358664	-0.967465386	0.030267222	0.077136651	Dmrt1
ENSMUSG00000105814.1	2477.455366	-0.189574193	0.030268902	0.077136651	Mir703
ENSMUSG00000080859.1	22939.98131	0.091915769	0.030281476	0.077159632	Rpl10-ps1
ENSMUSG00000012076.8	892.4630154	-0.236222676	0.030296517	0.077170776	Brms1l
ENSMUSG00000027394.13	952.2571859	0.225009435	0.030296443	0.077170776	Ttl
ENSMUSG00000045257.10	75.16420601	0.750453949	0.030293646	0.077170776	Morn2
ENSMUSG00000086436.2	6356.914178	0.108861877	0.030302693	0.077177448	RP23-393F9.3
ENSMUSG00000032309.15	2550.253829	0.146976145	0.030368266	0.077335379	Fbxo22
ENSMUSG00000026924.17	3797.058814	-0.125322167	0.030424451	0.077469369	Sec16a
ENSMUSG00000019487.11	3002.585902	0.135028755	0.030560017	0.077805169	Trip10
ENSMUSG00000040657.3	21.30734531	1.505500395	0.030563499	0.077805169	RP23-21F2.2
ENSMUSG00000030917.13	384.666389	-0.329896826	0.030580112	0.077838328	Tmem159
ENSMUSG00000030051.10	459.1990128	0.304744873	0.030614658	0.077917123	Aplf
ENSMUSG00000105676.1	9.495037215	2.304819391	0.030628147	0.077942314	RP24-380C2.2
ENSMUSG00000028459.11	10.94328842	2.070611768	0.030634144	0.077948435	Cd72
ENSMUSG00000020231.15	992.2927028	-0.220285615	0.030668956	0.078018718	Dip2a
ENSMUSG00000071516.2	66.27882292	0.790940295	0.030668191	0.078018718	Hist1h2ai
ENSMUSG00000048175.13	663.4194068	0.273992597	0.030673344	0.078019497	Asb8
ENSMUSG00000061838.7	5571.632686	-0.109299952	0.030676452	0.078019497	Suclg2
ENSMUSG00000055782.9	243.2310943	-0.41912454	0.030683227	0.078027583	Abcd2
ENSMUSG00000020592.14	3309.564709	-0.136101735	0.030696228	0.078051498	Sdc1
ENSMUSG00000024065.7	4003.858828	-0.129123235	0.030737401	0.078147034	Ehd3
ENSMUSG00000025169.6	993.0766407	0.227552338	0.030763604	0.078204491	Ogfod3

ENSMUSG00000020993.9	1605.949115	0.172349595	0.030768238	0.078207109	Trappc6b
ENSMUSG00000091971.3	34.85198564	1.181821858	0.030819901	0.078329253	Hspa1a
ENSMUSG00000043346.8	742.4189885	0.245331572	0.030825165	0.078333458	Gm6741
ENSMUSG00000040560.9	1335.968041	0.18705172	0.030832208	0.078342183	Wdr7
ENSMUSG00000092812.1	7.188593355	-2.805408639	0.030851798	0.078382781	Gm23634
ENSMUSG00000105059.1	12.23632468	-2.017986749	0.030855686	0.078383483	RP24-258A20.1
ENSMUSG00000045031.18	38.70489889	1.035684187	0.030899663	0.078486013	Cetn4
ENSMUSG00000107508.1	289.7501763	-0.470566102	0.030919646	0.078527577	RP23-472N21.2
ENSMUSG00000021730.8	34.02243327	1.187613801	0.030930567	0.07854314	Hcn1
ENSMUSG00000078887.10	1399.562698	-0.199833161	0.030933011	0.07854314	RP23-355G16.5
ENSMUSG00000026617.16	1804.979123	0.164887605	0.030961094	0.078605249	Bpnt1
ENSMUSG00000002372.8	6365.616271	0.105754282	0.030988246	0.078646581	Ranbp3
ENSMUSG00000054046.7	218.8851845	-0.433582198	0.030983778	0.078646581	Klk13
ENSMUSG00000081671.1	4307.228893	-0.119668261	0.030986348	0.078646581	RP23-383I4.6
ENSMUSG00000097450.7	21.89299196	-1.393563065	0.031062735	0.078826412	RP23-274E2.7
ENSMUSG00000031430.8	6.316770478	-3.011908022	0.0310674	0.078829033	Vsig1
ENSMUSG00000041343.19	119.0983342	-0.590937538	0.031084894	0.078864201	Ankrd42
ENSMUSG00000021239.12	125.4224343	-0.581294849	0.031098351	0.078889118	Vsx2
ENSMUSG00000054619.7	1021.15254	0.216131352	0.031105259	0.078897421	Mettl7a1
ENSMUSG00000016624.15	740.6287671	-0.246423303	0.031124473	0.078936929	Phf21b
ENSMUSG00000025733.17	1208.258246	0.195004202	0.031194262	0.079104683	Rhot2
ENSMUSG00000078898.9	1162.664762	-0.233360186	0.031198568	0.079106358	RP23-317N11.1
ENSMUSG00000047592.17	52.14972943	-0.894523448	0.031299261	0.079352402	Nxpe5
ENSMUSG00000107216.1	41.56320606	-1.031607447	0.031307547	0.079364139	RP23-353L10.2
ENSMUSG00000038521.17	330.6326069	-0.365775828	0.031350645	0.079464109	C1s1
ENSMUSG00000020593.15	2872.657287	0.139043525	0.031371848	0.079508565	Lpin1
ENSMUSG00000030731.13	871.1917116	-0.23165077	0.031385013	0.079532642	Syt3
ENSMUSG00000022517.17	2485.287683	0.157594935	0.031393608	0.079545136	Mgrn1
ENSMUSG00000024383.8	1424.249972	0.184096264	0.031405879	0.079550062	Map3k2
ENSMUSG00000031574.8	195.8723101	-0.476547673	0.031406549	0.079550062	Star
ENSMUSG00000095551.1	20.76124978	1.548295067	0.031402768	0.079550062	RP24-553G19.1
ENSMUSG00000024855.9	1343.127696	-0.188100765	0.031424446	0.079586105	Pacs1
ENSMUSG00000068893.5	10.09264379	-2.146979883	0.031436955	0.079608494	Sprr2a2
ENSMUSG00000085498.1	13.98930302	1.928584832	0.031521915	0.079814326	RP23-160G19.7
ENSMUSG00000020871.8	232.3888317	-0.4205067	0.031548556	0.079871543	Dlx4
ENSMUSG00000075307.3	11.81085269	1.988039206	0.031551873	0.079871543	Khlh41
ENSMUSG00000108352.1	574.3325393	0.280555675	0.031573862	0.079917886	RP23-358K1.5
ENSMUSG00000039983.13	461.3635088	0.308709598	0.031581257	0.079917961	Ccdc32
ENSMUSG00000049047.11	3258.794889	-0.130905812	0.031580072	0.079917961	Armcx3
ENSMUSG000000056724.15	1199.002174	0.1955954	0.03159454	0.079942253	Nbeal2
ENSMUSG00000032047.5	1312.601231	-0.20377986	0.031617636	0.079991365	Acat1
ENSMUSG00000026679.3	51.30726604	-0.916603384	0.031701043	0.080193035	Enkur
ENSMUSG00000042515.13	2843.564259	-0.140920116	0.03175591	0.080322465	Mum11i
ENSMUSG00000030284.11	2999.054685	0.138988779	0.031779711	0.080363934	Crel1
ENSMUSG00000034908.16	2971.640336	-0.133883205	0.031777039	0.080363934	Sidt2
ENSMUSG00000031441.15	1402.881928	0.2017878	0.031828038	0.080476045	Atp11a
ENSMUSG00000055795.5	2620.455866	0.143907907	0.031831461	0.080476045	Gm5160
ENSMUSG00000071076.6	1203.254336	0.196235325	0.031843017	0.080495884	Jund
ENSMUSG00000083608.1	8.477139833	2.454645781	0.031847664	0.080498254	RP23-423L11.6
ENSMUSG00000071042.11	18.21385516	-1.522128108	0.031860165	0.080520474	Rasgrp3
ENSMUSG00000035629.18	1224.654167	0.199380817	0.031893533	0.080586616	Rubcn
ENSMUSG00000105940.1	25.47875577	-1.35916027	0.031893763	0.080586616	RP23-458G12.1
ENSMUSG00000021235.13	1258.133623	0.19128628	0.031930665	0.080661074	Coq6
ENSMUSG00000110124.1	240.4322114	0.428570781	0.031929695	0.080661074	RP23-74O12.7
ENSMUSG00000059498.13	23.52951558	-1.348147943	0.031955229	0.080713731	Fcgr3
ENSMUSG00000025967.16	25188.75474	-0.099320481	0.032071138	0.080997071	Eef1b2
ENSMUSG00000040435.12	1404.95713	0.185901253	0.032078077	0.08100517	Ppp1r15a
ENSMUSG00000039456.10	3531.708286	-0.127833467	0.032091619	0.081029937	Morc3
ENSMUSG00000029161.7	151.5319784	-0.518622318	0.032103738	0.081051109	Cgref1
ENSMUSG00000025189.9	227.0791615	-0.425782703	0.032129638	0.081090989	Cnm1
ENSMUSG00000039115.13	667.289116	-0.25359916	0.032130745	0.081090989	Itga9
ENSMUSG00000085875.2	13.31955865	1.846322702	0.032126169	0.081090989	RP23-29H22.3
ENSMUSG00000093606.1	32.80922729	1.129410392	0.032200274	0.081257016	RP23-264F8.3
ENSMUSG00000062074.7	43.72180122	0.967181508	0.032232824	0.081329699	Wisp3
ENSMUSG00000097390.1	40.26285459	1.031360765	0.032240924	0.08134068	Gm26785
ENSMUSG00000027523.19	1469.161493	-0.226445769	0.032269053	0.081402184	Gnas
ENSMUSG00000046668.8	2278.979004	-0.149335168	0.032304076	0.081481061	Cxxc5
ENSMUSG00000101972.1	166.0553661	0.493320814	0.032322608	0.081518332	Hist1h3i
ENSMUSG00000087114.1	10.04633337	2.143435689	0.032383874	0.081663354	AC152500.4
ENSMUSG00000028979.17	54.92336265	-0.872236455	0.032402595	0.08170107	Masp2

ENSMUSG00000044757.7	6606.612789	0.10413563	0.032472439	0.081867666	RP24-496O18.2
ENSMUSG00000035891.16	361.3140725	-0.338522881	0.032485557	0.081891225	Cerk
ENSMUSG00000020149.17	11037.64456	0.091883258	0.03255334	0.082052565	Rab1a
ENSMUSG00000031352.10	4839.788363	-0.11679109	0.032626101	0.082226413	Hccs
ENSMUSG00000082456.1	911.4254338	0.239872004	0.032638881	0.082249071	RP23-217I3.7
ENSMUSG00000022377.16	1826.502502	-0.163463502	0.032660687	0.082294464	Asap1
ENSMUSG00000064923.1	7.931880894	2.675375611	0.032690746	0.082360642	Gm22042
ENSMUSG00000102047.1	31.2895716	-1.186993136	0.032787099	0.082593805	RP24-389K16.1
ENSMUSG00000041671.13	602.9272428	0.266926918	0.032799361	0.082615104	Pyroxd1
ENSMUSG00000082768.1	195.7117695	0.481140055	0.032825766	0.082672017	RP23-90D4.1
ENSMUSG00000001249.14	71.98517302	-0.768519929	0.032837264	0.082691379	Hpn
ENSMUSG00000044629.5	333.7968145	-0.353767569	0.032873721	0.082763978	Cnrip1
ENSMUSG00000094374.2	68.26185768	0.776726522	0.032873123	0.082763978	RP23-131H10.1
ENSMUSG00000024182.16	3560.191192	0.125151611	0.032931456	0.082890102	Axin1
ENSMUSG00000029538.14	6213.167429	-0.107404974	0.03293114	0.082890102	Srsf9
ENSMUSG00000115317.1	152.8902201	-0.5249655	0.032939365	0.082900393	RP23-310D3.2
ENSMUSG00000033707.9	16.3456245	1.641090261	0.032995813	0.083032831	Lrrc24
ENSMUSG00000083678.3	1739.208895	0.177463694	0.033012291	0.083064666	RP23-110F21.3
ENSMUSG00000057315.14	56.66013306	-0.860031699	0.033035458	0.08311332	Arhgap24
ENSMUSG00000097748.1	22.71404152	1.374337238	0.033045467	0.083128866	Gm26533
ENSMUSG00000017686.16	3986.884524	0.120222137	0.033083153	0.083214024	Rhot1
ENSMUSG00000036391.16	2653.970743	0.147163273	0.033111927	0.083272341	Sec24a
ENSMUSG00000101028.1	7.397844148	2.583768263	0.033114013	0.083272341	RP24-548K2.3
ENSMUSG00000032733.6	365.9185305	-0.350107619	0.033138022	0.08331341	Snx33
ENSMUSG00000113204.1	2154.359488	-0.157180437	0.033136957	0.08331341	RP23-95L9.5
ENSMUSG00000022757.19	2857.714494	0.136633685	0.033154549	0.083345305	Tfg
ENSMUSG00000079598.3	22.59735626	1.358792477	0.033166986	0.083366915	Clec2l
ENSMUSG00000023277.13	824.6447479	0.231160709	0.033210398	0.083466364	Twf2
ENSMUSG00000051627.3	34.07772176	1.111090536	0.033218728	0.083477633	Hist1h1e
ENSMUSG00000053898.12	813.918513	-0.237397502	0.033234387	0.083507313	Ech1
ENSMUSG00000049641.14	9.754769417	-2.387469468	0.033253727	0.083536565	Vgll2
ENSMUSG00000098332.2	148.404875	0.550647394	0.033250374	0.083536565	RP24-176F12.14
ENSMUSG00000040549.16	12276.14503	0.089773834	0.033289	0.083615494	Ckap5
ENSMUSG00000040520.7	1931.526018	-0.160547116	0.03330556	0.08364741	Manea
ENSMUSG00000039936.18	1201.289607	-0.195525956	0.033431741	0.083954598	Pik3cd
ENSMUSG00000097571.8	101.5405575	-0.631333715	0.033451192	0.083993725	Jpx
ENSMUSG00000091905.3	1366.74084	0.192276682	0.033475249	0.084044408	RP24-477K18.1
ENSMUSG00000027581.2	283.0668547	0.394120769	0.033500825	0.084069722	Stmn3
ENSMUSG00000028690.4	1252.092741	0.191887773	0.033500827	0.084069722	Mmachc
ENSMUSG00000046743.6	298.8226899	-0.386498618	0.033499028	0.084069722	Fat4
ENSMUSG00000104969.1	28.98431976	-1.177992446	0.033500219	0.084069722	RP23-461P7.1
ENSMUSG00000026398.14	22.43305027	-1.345632122	0.033585885	0.084273428	Nr5a2
ENSMUSG00000107203.1	390.9039024	0.327333148	0.033601399	0.084302609	RP23-345O17.6
ENSMUSG00000082550.1	467.5711529	0.309455938	0.033635282	0.084377864	RP23-416K12.2
ENSMUSG00000057738.13	18780.26599	-0.088774397	0.033688742	0.084502206	Sptan1
ENSMUSG00000022829.14	22.89034493	1.399491554	0.033712917	0.0845433	Stxbp5l
ENSMUSG00000082461.1	188.4575283	0.461449416	0.033709214	0.0845433	RP23-58C21.2
ENSMUSG00000020003.16	1199.248608	-0.194875479	0.033737414	0.084575414	Pex7
ENSMUSG00000029832.16	187.9688846	-0.458966965	0.0337366	0.084575414	Nfe2l3
ENSMUSG00000083700.1	13.82420461	1.886167033	0.033733015	0.084575414	AC134827.2
ENSMUSG00000025647.16	1446.52425	0.179404279	0.033796179	0.084712945	Shisa5
ENSMUSG00000001910.4	9615.911063	-0.093379006	0.033809471	0.084721423	Nacc1
ENSMUSG00000037251.5	385.5839769	-0.337628577	0.033811273	0.084721423	Pomk
ENSMUSG00000051469.14	2268.666852	-0.153464537	0.033806294	0.084721423	Zfp24
ENSMUSG00000052296.7	3525.008306	0.124580962	0.033851266	0.084811841	Ppp6r1
ENSMUSG00000024238.14	1405.457094	0.179802925	0.033870719	0.084850785	Zeb1
ENSMUSG00000085234.1	7.454878411	2.606316972	0.033889053	0.084886913	AC091274.3
ENSMUSG00000021703.9	2471.902516	-0.142370891	0.033896879	0.084896718	Serinc5
ENSMUSG00000001517.14	4590.294643	-0.117667374	0.033911212	0.084922816	Foxm1
ENSMUSG00000081201.1	8724.739818	0.100077654	0.033976906	0.085077514	Smt3h2-ps4
ENSMUSG00000096991.1	87.6489224	-0.684112736	0.034008728	0.085147372	RP23-390D8.3
ENSMUSG00000031970.16	201.8916134	0.465029257	0.034051083	0.085242183	Dbdd1
ENSMUSG00000033022.7	131.2518556	0.554203582	0.034054452	0.085242183	Cncc1
ENSMUSG00000062054.7	883.1270973	-0.228995424	0.03408532	0.085309607	Iah1
ENSMUSG00000055926.2	114.3036941	-0.587282974	0.034132844	0.085418701	RP23-15I21.8
ENSMUSG00000037787.14	888.7654621	0.224385053	0.034143564	0.085435676	Apopt1
ENSMUSG00000028107.14	2757.328906	-0.136177608	0.034164622	0.085478514	Tars2
ENSMUSG00000023353.14	3289.865445	-0.127754857	0.034175967	0.08549704	Agap3
ENSMUSG00000045005.9	3266.813524	-0.129124662	0.034215118	0.085585118	Fzd5
ENSMUSG00000031851.14	574.4497646	0.274406719	0.03425076	0.085664401	Ntpcr

ENSMUSG00000019578.11	2020.21151	0.158916474	0.034273535	0.085711483	Ubxn6
ENSMUSG00000034574.10	2029.705461	-0.156438224	0.034285849	0.085732401	Daam1
ENSMUSG00000074738.2	54.01781213	-0.913284472	0.034294622	0.085744456	RP23-183D11.6
ENSMUSG00000022758.14	26.28932706	-1.245200146	0.034303856	0.085757665	P2rx6
ENSMUSG00000102312.1	135.6261945	-0.545657977	0.034309047	0.085760762	Pcdha3
ENSMUSG00000007440.10	31.98603308	-1.137914943	0.034316359	0.085769161	Pcdha10
ENSMUSG00000036097.7	4924.789563	0.118284796	0.034340339	0.085819212	Sif2
ENSMUSG00000046532.8	113.9304074	-0.588345249	0.034371473	0.085887128	Ar
ENSMUSG00000002778.14	3080.116205	0.14220375	0.034398868	0.085945687	Kdelr1
ENSMUSG00000026641.13	3216.844962	0.131756767	0.034410829	0.085965673	Usf1
ENSMUSG00000055044.12	1255.328686	-0.189892763	0.034431869	0.086008335	Pdim1
ENSMUSG00000019088.13	120.9146715	-0.571867013	0.034458921	0.086066004	Dnase111
ENSMUSG00000079043.2	293.2158607	-0.373587682	0.034462937	0.086066128	Fastkd5
ENSMUSG00000035211.9	36.54814461	1.06112287	0.034472965	0.086081265	Xrra1
ENSMUSG00000003779.15	5873.503593	0.109916768	0.034554826	0.086275751	Kif20a
ENSMUSG00000081735.1	303.3238998	-0.451095723	0.034622673	0.086435207	RP23-172A.1
ENSMUSG0000000744661.12	63.56557185	0.799701834	0.034627914	0.086438347	AC1711273.3
ENSMUSG00000089789.1	12.60236033	1.904093182	0.03469632	0.086599142	Rdh1
ENSMUSG00000115516.1	606.9898415	-0.266898985	0.034735288	0.086686432	RP23-14D20.1
ENSMUSG00000034845.6	107.3625452	0.609563582	0.034769336	0.086761426	Plvap
ENSMUSG00000058252.6	148.118097	-0.514232107	0.034776899	0.086764486	Tcp11x2
ENSMUSG00000087138.1	489.6645709	0.289533307	0.034778558	0.086764486	AC155806.4
ENSMUSG00000015087.14	5902.169342	0.107630712	0.034797475	0.086801702	Rabl6
ENSMUSG00000024941.8	2292.847259	0.14788086	0.03482579	0.086862348	Scyl1
ENSMUSG00000018821.3	846.6261465	0.231365788	0.03485526	0.086925862	Avpi1
ENSMUSG00000085705.1	63.12484961	0.799414242	0.034860676	0.08692938	CH36-125B10.3
ENSMUSG00000096221.3	54.30128463	-0.8680526	0.034880365	0.086968484	RP23-242K15.24
ENSMUSG00000000028.15	2475.808899	-0.145099196	0.034907782	0.087016849	Cdc45
ENSMUSG00000073418.4	38.82767452	-1.011991654	0.034907681	0.087016849	C4b
ENSMUSG00000029557.7	558.2587728	0.277757884	0.034952431	0.087118141	Ftsj2
ENSMUSG00000082079.2	2154.569807	-0.163734655	0.035091987	0.087455939	RP23-244H.1
ENSMUSG00000026259.14	111.2543629	-0.596740185	0.035098704	0.087462633	Ngef
ENSMUSG00000003379.7	11.63109595	1.966430992	0.035117935	0.08749961	Cd79a
ENSMUSG00000086426.1	16.64993485	-1.564085946	0.035121607	0.08749961	RP23-415G1.4
ENSMUSG00000090622.1	25.45811716	-1.25342584	0.035126277	0.087501201	RP23-281E24.2
ENSMUSG00000053101.3	9.968248139	-2.128846525	0.035204701	0.087686494	Gpr141
ENSMUSG00000040354.14	19103.3985	-0.081181364	0.035216038	0.087704665	Mars
ENSMUSG00000041440.18	885.3528864	0.217855699	0.035231554	0.087733239	Gk5
ENSMUSG000000107853.1	660.4717232	-0.251331268	0.035242597	0.087750669	RP24-409C18.1
ENSMUSG00000028104.14	431.4031497	0.307776134	0.035251601	0.087763019	Polr3gl
ENSMUSG00000048485.12	164.1042319	0.491776547	0.035277578	0.08781762	Zbtb8b
ENSMUSG00000095701.1	9.402574952	2.281357907	0.03532124	0.087916222	Gm24830
ENSMUSG00000042138.8	3027.256885	-0.133910448	0.035342574	0.087959238	Msantd2
ENSMUSG00000020519.5	2003.551431	0.179169852	0.035365935	0.088007285	Sap30l
ENSMUSG00000055723.6	2700.918979	0.136480641	0.035379408	0.088030717	Rras2
ENSMUSG00000015733.13	5452.566977	0.114122048	0.035397903	0.088058157	Capza2
ENSMUSG00000048281.9	17.90713453	-1.499871239	0.035398551	0.088058157	Dleu7
ENSMUSG000000105006.1	8.294799201	2.416126254	0.035403728	0.08806094	RP24-142B15.11
ENSMUSG00000042340.6	162.7925601	-0.488941187	0.035464957	0.088203127	Ctf1
ENSMUSG00000103570.1	14.5776847	1.706459795	0.035474954	0.088217883	RP23-393G10.4
ENSMUSG00000048186.14	246.8491262	-0.397455788	0.035507963	0.088289851	Bend7
ENSMUSG00000108293.1	6.60633651	2.89677276	0.035515928	0.088299537	Pla2g4c-ps
ENSMUSG00000066571.13	1664.406634	0.176602021	0.035528052	0.088319564	RP23-349I9.6
ENSMUSG00000003541.6	1789.380428	-0.537920906	0.035570246	0.088394077	Ier3
ENSMUSG00000018509.8	480.665518	-0.291346345	0.035564096	0.088394077	Genpv
ENSMUSG00000083557.1	1077.13517	0.202228737	0.035570169	0.088394077	AC153789.1
ENSMUSG00000046997.5	119.9892521	-0.57443109	0.035582073	0.088413343	Spsb4
ENSMUSG00000020672.14	12.36473274	1.893548618	0.035593028	0.08843044	Sntg2
ENSMUSG00000023868.16	312.8562547	-0.355305788	0.035631735	0.088516474	Pde10a
ENSMUSG00000038982.10	375.8773997	0.329617035	0.035638218	0.088522445	Bloc1s5
ENSMUSG00000024330.16	139.3474058	0.527623579	0.03564423	0.088527247	Col11a2
ENSMUSG00000094475.7	862.902879	-0.220300431	0.035654745	0.088533097	RP23-294G7.1
ENSMUSG00000094932.7	862.902879	-0.220300431	0.035654745	0.088533097	RP23-355G16.9
ENSMUSG00000029551.13	556.9745538	0.272542522	0.035671151	0.08856113	Psmg3
ENSMUSG00000078496.9	663.8427384	-0.270588616	0.035674196	0.08856113	RP23-326E2.2
ENSMUSG00000039585.15	2175.051262	0.156086214	0.03568945	0.088588865	Myo9a
ENSMUSG00000022791.17	2614.403575	-0.148060664	0.035713316	0.088637968	Tnk2
ENSMUSG00000040525.13	53.44499949	-0.888033947	0.035759525	0.088742505	Cblc
ENSMUSG00000034639.7	235.4391049	-0.406819252	0.035836137	0.088913686	Setmar
ENSMUSG00000097536.2	330.6939437	-0.35339299	0.035836698	0.088913686	RP23-212I3.1

ENSMUSG00000016206.6	47.45878942	-0.908398193	0.035908456	0.089081539	H2-M3
ENSMUSG00000020803.3	2529.01677	0.139404429	0.03591991	0.08909977	Txndc17
ENSMUSG00000031897.9	731.9995634	-0.239387281	0.035928807	0.089111653	Psmb10
ENSMUSG00000105787.1	73.09465642	0.72989621	0.035994838	0.089265225	RP23-131D6.4
ENSMUSG00000013483.14	38.40161593	1.028529374	0.036009665	0.089290959	Card14
ENSMUSG000000103388.1	79.58036713	-0.703022792	0.036013444	0.089290959	RP24-282D16.8
ENSMUSG00000001847.14	6817.797044	0.102478213	0.036021344	0.089300342	Rac1
ENSMUSG00000030556.13	541.2664875	0.275166697	0.036056837	0.089378124	Lrrc28
ENSMUSG00000086192.1	8.23256431	2.387894437	0.036091408	0.089453601	RP23-5514.7
ENSMUSG00000022948.15	880.2836483	-0.2225113	0.036126424	0.089530166	Setd4
ENSMUSG00000037722.8	70.37452838	-0.766415122	0.036138164	0.08953881	Gnpnat1
ENSMUSG00000082872.1	158.124006	-0.493691911	0.036137781	0.08953881	AC139131.1
ENSMUSG00000063849.6	668.3542854	0.246792167	0.036154792	0.089569783	Ppcdc
ENSMUSG00000097589.9	908.3199328	-0.226924385	0.036161376	0.089575869	Dleu2
ENSMUSG00000022414.8	821.503553	0.227715068	0.036227634	0.089729754	Tab1
ENSMUSG00000051339.10	1785.461786	-0.162386514	0.036251733	0.089779198	AC162528.2
ENSMUSG00000032584.12	27.96642237	-1.265500532	0.036264646	0.08980093	Mst1r
ENSMUSG00000073647.3	5173.167895	-0.123943817	0.036272641	0.089810479	Gm10557
ENSMUSG00000056820.7	3585.171614	0.126199077	0.036312891	0.089899882	Tsnax
ENSMUSG00000083815.1	168.1783671	0.479104482	0.036343379	0.089954836	RP23-29014.7
ENSMUSG00000097732.2	17.97539099	-1.541998923	0.036341741	0.089954836	RP23-20114.9
ENSMUSG00000049680.17	318.9838263	0.359526735	0.03634947	0.089959654	Urgcp
ENSMUSG00000050272.9	34.38642087	-1.069461038	0.036357551	0.089969391	Dscam
ENSMUSG00000056501.3	426.6723061	-0.313728311	0.036363591	0.089974078	Cebpb
ENSMUSG00000023330.12	647.4233342	-0.258117292	0.036408009	0.090073714	Dtbw1
ENSMUSG00000056050.12	4222.064173	-0.116054117	0.036420468	0.090094265	Mia3
ENSMUSG00000029062.14	5126.93075	0.108235386	0.036428953	0.090104985	Cdk11b
ENSMUSG00000081875.1	7.376237887	2.568056993	0.036458453	0.090167675	RP23-408K4.5
ENSMUSG00000022385.11	1696.805939	0.171938166	0.036471799	0.090190404	Gtse1
ENSMUSG00000036561.8	973.1130722	0.209747832	0.036483584	0.090207686	Ppp6r2
ENSMUSG00000057880.12	596.5840249	0.267155821	0.036491258	0.090207686	Abat
ENSMUSG00000107698.1	12.52805101	1.920251063	0.036489344	0.090207686	RP23-49L8.4
ENSMUSG00000024978.10	1667.044336	0.167427639	0.036500741	0.090220851	Gpam
ENSMUSG00000025239.3	1585.940599	0.17189748	0.036563224	0.090365003	Limd1
ENSMUSG00000019087.13	3690.816138	0.121870841	0.036571635	0.090375497	Atp6ap1
ENSMUSG00000091550.1	6.570908509	2.889232658	0.036605649	0.090449254	RP23-55J9.6
ENSMUSG00000056999.14	4823.725545	-0.124038293	0.036613129	0.090457436	Ide
ENSMUSG00000030929.17	583.1096394	-0.266634701	0.036656108	0.090553314	Eri2
ENSMUSG00000003762.13	831.6061266	-0.228656195	0.036701264	0.090654545	Adck4
ENSMUSG00000028434.12	486.615593	-0.287003184	0.036723079	0.090698106	Epb4114b
ENSMUSG00000070808.4	1591.463768	-0.170385415	0.036747613	0.090748373	Gltscr1
ENSMUSG00000069300.3	69.48537667	0.751468182	0.036788614	0.090839287	Hist1h2bj
ENSMUSG00000042726.14	1035.12532	0.204217866	0.036793014	0.090839817	Trafd1
ENSMUSG00000078664.2	9.821351159	-2.098937426	0.036804024	0.090856662	Sprr2a1
ENSMUSG00000025240.9	1041.967034	0.202581071	0.036868863	0.091006377	Sacm11
ENSMUSG00000025221.15	126.2289317	0.567158723	0.036887327	0.091041599	Kcnp2
ENSMUSG00000056602.11	865.0378887	-0.222141029	0.036917244	0.0911105075	Fry
ENSMUSG00000072082.6	4892.392799	0.119014001	0.036937411	0.091144479	Ccnf
ENSMUSG00000075511.9	18.23368724	1.515279833	0.036965087	0.091202401	RP24-375H14.1
ENSMUSG00000022577.17	110.0498919	-0.597973098	0.036989433	0.091241724	Ly6h
ENSMUSG00000038534.17	505.4733072	0.306017204	0.036985403	0.091241724	Osbp17
ENSMUSG00000031953.2	2366.348067	0.141922725	0.036997267	0.091250675	Tmem170
ENSMUSG00000103039.1	114.8800342	-0.590649234	0.03702857	0.091317503	RP23-372I17.5
ENSMUSG00000065944.1	27.87349244	1.194160399	0.037034924	0.091322795	Rnu2-10
ENSMUSG00000024091.8	6287.543	0.103807883	0.037056087	0.091364599	Vapa
ENSMUSG00000059920.9	1271.067261	0.191585402	0.037113191	0.091494998	RP23-32M15.2
ENSMUSG00000053916.4	661.3363164	0.250464665	0.037257532	0.091829977	Nanp
ENSMUSG00000086503.3	23.51570949	-1.294752526	0.037255251	0.091829977	Xist
ENSMUSG00000061833.6	12063.57385	0.08930694	0.037262449	0.091831668	RP23-147P2.4
ENSMUSG00000033054.7	2954.764212	0.133819133	0.037292821	0.091896083	Npat
ENSMUSG00000049728.14	621.6161223	-0.260970897	0.037304822	0.091915219	Zfp668
ENSMUSG00000034673.14	3298.561421	-0.125989493	0.037335317	0.091979912	Pbx2
ENSMUSG00000063253.11	1735.433588	0.163286718	0.037351871	0.092010251	Scoc
ENSMUSG00000107331.1	199.1480367	-0.459079953	0.037371638	0.092048496	RP23-153H17.5
ENSMUSG00000085776.8	11.75381843	1.973643198	0.037378595	0.092055182	RP23-198D7.2
ENSMUSG00000030087.11	479.0392558	-0.292434469	0.037390526	0.092074117	Klf15
ENSMUSG00000020687.13	5130.860738	-0.114001317	0.037428258	0.092156575	Cdc27
ENSMUSG00000038357.10	8.317242051	2.393149751	0.037434529	0.09216156	Camp
ENSMUSG00000026544.6	41.42500811	0.966003948	0.037454762	0.092190456	Dusp23
ENSMUSG00000086429.9	614.2975791	0.25904242	0.037454338	0.092190456	Gt(ROSA)26Sor

ENSMUSG00000084790.1	23.92787754	-1.273252333	0.037464181	0.09220318	RP23-17116.4
ENSMUSG00000031660.13	3284.911121	0.130510346	0.037608328	0.092547446	Brd7
ENSMUSG00000045659.18	4266.410969	-0.114550564	0.037619741	0.092565035	Plekha7
ENSMUSG00000028145.9	372.5632838	-0.334050715	0.037656818	0.092645761	Them4
ENSMUSG00000026999.14	1686.314105	-0.163638101	0.037671566	0.09267154	Nup35
ENSMUSG00000072662.2	25.16430755	-1.273698678	0.037695598	0.092720148	Mansc4
ENSMUSG00000022024.10	2196.753217	0.147975	0.037704198	0.092730791	Sugt1
ENSMUSG00000040936.15	327.1849238	-0.373623193	0.03776414	0.09286769	Ulk4
ENSMUSG00000028102.15	283.1856332	-0.396251529	0.037784585	0.092907441	Pex11b
ENSMUSG00000015016.8	599.7680876	0.260156077	0.037803531	0.092943494	Acsf3
ENSMUSG00000055302.5	16775.53538	0.080906858	0.037855789	0.093061433	Mrfap1
ENSMUSG00000029366.10	2613.936681	-0.139690324	0.037906537	0.093175634	Dck
ENSMUSG00000031154.15	6332.984189	0.101084502	0.037938711	0.093231389	Otud5
ENSMUSG00000081817.1	6.716864092	-2.621843952	0.037939659	0.093231389	RP23-34J8.4
ENSMUSG00000097416.3	14.40916581	1.678225044	0.037942108	0.093231389	WI1-2736D10.2
ENSMUSG00000086807.8	74.50828174	-0.719535552	0.037969824	0.093288929	Platr21
ENSMUSG00000023052.8	39.55513116	0.992698259	0.037988536	0.093324338	Npff
ENSMUSG00000037110.20	2885.032762	0.131569796	0.03800624	0.093337548	Ralgapa2
ENSMUSG00000040749.11	2474.618337	-0.148282619	0.038009733	0.093337548	Siah1b
ENSMUSG00000097337.1	16.70595892	1.572320564	0.038004326	0.093337548	Gm26606
ENSMUSG00000104965.1	32.37488885	-1.118750385	0.038011116	0.093337548	RP23-132D7.2
ENSMUSG00000037772.13	3220.666843	0.149399909	0.038019761	0.093348213	Mrpl23
ENSMUSG00000020189.14	1282.906987	-0.19021271	0.038051243	0.093396235	Osbpl8
ENSMUSG00000035168.16	2475.938645	-0.140454561	0.038048291	0.093396235	Tanc1
ENSMUSG00000109054.1	7.250931517	2.546901469	0.038052231	0.093396235	RP23-65O11.3
ENSMUSG00000115223.1	36.05304613	1.086655484	0.038091428	0.09348187	RP23-116J1.3
ENSMUSG00000060149.7	405.5553673	-0.313165692	0.038118041	0.093536603	RP23-7F9.1
ENSMUSG00000098447.2	9.029272577	2.223404474	0.038124074	0.09354083	RP23-386K20.2
ENSMUSG00000015652.9	1411.314148	0.183944146	0.038143081	0.093558056	Steap1
ENSMUSG00000028072.6	40.64395488	-0.976476391	0.038144027	0.093558056	Ntrk1
ENSMUSG00000052794.13	258.4059861	-0.39086624	0.038143583	0.093558056	AC113182.4
ENSMUSG00000050550.7	721.8579711	0.23764454	0.038158288	0.093582457	RP23-305A10.3
ENSMUSG00000081739.3	490.6957639	-0.281450434	0.038214017	0.093708542	Mdm4-ps
ENSMUSG00000022580.13	385.4208267	-0.320774136	0.038232207	0.093742556	Rhpn1
ENSMUSG00000049154.11	8.259178148	-2.281324118	0.038237927	0.093745987	Fam183b
ENSMUSG00000097554.1	2119.0358	0.516441357	0.038295916	0.093877553	Gm26825
ENSMUSG00000040584.8	489.1557231	-0.292775883	0.038304472	0.093887922	Abcb1a
ENSMUSG00000094683.2	551.0572603	0.267743143	0.038324454	0.09392629	RP24-17315.2
ENSMUSG00000022440.9	550.5741337	-0.266592293	0.038337599	0.093947898	C1qtnf6
ENSMUSG00000114544.1	77.6844614	-0.742644002	0.038393863	0.094075152	RP24-63B17.11
ENSMUSG00000040415.15	4434.022175	-0.114172541	0.038417443	0.094122303	Dtx3
ENSMUSG00000006728.12	16685.9869	0.082419576	0.038460341	0.094216765	Cdk4
ENSMUSG00000025158.7	1867.295747	-0.156059411	0.038542567	0.094407538	Rfng
ENSMUSG00000042462.4	5103.764829	0.111290762	0.038613804	0.094571355	Dctpp1
ENSMUSG00000099708.1	155.3259694	0.493493007	0.038642009	0.094629754	RP23-291K4.3
ENSMUSG00000116950.1	12.91686549	1.782079149	0.038656117	0.094653622	RP23-64O5.10
ENSMUSG0000002342.17	2180.193509	-0.150688701	0.038708697	0.094769611	Tmem161a
ENSMUSG00000110617.1	857.5193706	0.225322344	0.03871222	0.094769611	RP24-21216.2
ENSMUSG00000053475.5	62.05974006	-0.790625541	0.038810991	0.094989977	Tnfaip6
ENSMUSG00000063245.11	875.3058692	-0.215411211	0.038809151	0.094989977	RP23-384D6.1
ENSMUSG00000029376.8	337.9445692	-0.336868865	0.038842825	0.095014314	Mthfd2l
ENSMUSG00000031609.3	2677.289133	-0.136306255	0.038835066	0.095014314	Sap30
ENSMUSG00000053219.15	925.0177273	0.215853083	0.038840249	0.095014314	Raet1e
ENSMUSG00000053749.12	10.54317916	2.002121056	0.038838152	0.095014314	AC124659.2
ENSMUSG00000068601.2	20.41899571	1.438618516	0.038841091	0.095014314	RP23-117P3.3
ENSMUSG00000036894.3	512.4201366	-0.278099502	0.038847571	0.095015213	Rap2b
ENSMUSG00000034343.14	1366.086625	0.189109257	0.038873541	0.095068017	Ube2f
ENSMUSG00000036769.14	1027.00564	0.212800301	0.038880356	0.09507397	Wdr44
ENSMUSG00000028080.16	1348.355406	0.190714477	0.038925238	0.095172996	Lrba
ENSMUSG00000035266.16	1487.321181	0.171002919	0.039022116	0.095399116	Helq
ENSMUSG00000026721.15	411.8138104	-0.310405582	0.039029836	0.095407244	Rabgap1l
ENSMUSG00000045349.15	451.5983089	0.292554542	0.03909434	0.095554159	Sh2d5
ENSMUSG00000050035.7	18.32533979	-1.475273029	0.039112413	0.095587566	Fhl4
ENSMUSG00000030469.10	594.9967769	0.265654707	0.039240043	0.095888685	Zfp719
ENSMUSG00000070572.7	1070.260574	0.201691444	0.039252819	0.095909106	Trmt112-ps2
ENSMUSG00000033569.17	103.9883892	-0.624738364	0.039418852	0.096303942	Adgrb3
ENSMUSG00000066438.6	654.4995578	0.247550422	0.039502324	0.096497011	Plekhd1
ENSMUSG00000034445.7	234.1793213	-0.404795796	0.03951654	0.096520873	Cyb561a3
ENSMUSG00000097320.8	96.33805487	-0.62509122	0.039522983	0.096525747	Tmem147os
ENSMUSG00000056895.4	229.4866692	0.424388355	0.039537219	0.096549649	Hist3h2ba

ENSMUSG00000003380.11	5225.748761	0.121609814	0.039615731	0.096716281	Rabac1
ENSMUSG000000065773.1	9.877814478	2.103655475	0.039618825	0.096716281	Rnu1b6
ENSMUSG000000096838.1	9.877814478	2.103655475	0.039618825	0.096716281	Gm26232
ENSMUSG000000033788.15	158.6917235	-0.484567926	0.039627015	0.096725395	Dysf
ENSMUSG000000082740.1	192.9870925	0.456119016	0.039635932	0.09673628	RP23-369H9.2
ENSMUSG000000053754.14	7288.985212	0.103088149	0.039653804	0.096769016	Chd8
ENSMUSG000000070520.4	2268.306927	0.152581939	0.03967621	0.096812808	Nsmce3
ENSMUSG00000010911.12	514.156495	0.30188987	0.039716394	0.096889351	Apip
ENSMUSG000000044906.5	1215.381466	-0.195076306	0.039716508	0.096889351	RP24-276H6.1
ENSMUSG000000028944.14	707.9153872	-0.236550189	0.039738279	0.096931565	Prkag2
ENSMUSG000000031487.5	678.474501	0.246531179	0.039746199	0.096939987	Brf2
ENSMUSG000000004473.10	60.11698518	0.820247689	0.039761953	0.096961782	Clec11a
ENSMUSG000000016239.11	412.7018586	0.317999342	0.039764071	0.096961782	Lonrf3
ENSMUSG000000028550.15	431.8379081	-0.296754391	0.039788774	0.097011112	Atg4c
ENSMUSG000000036422.10	152.2604558	-0.507138405	0.039832881	0.09710775	Pcdh8
ENSMUSG000000025500.12	264.6255808	-0.38343144	0.039867417	0.097181026	Lmntd2
ENSMUSG000000024158.17	1277.454295	0.18487748	0.039906462	0.097265279	Hagh
ENSMUSG000000070644.13	320.9135978	-0.359468054	0.039935483	0.097325083	Etnk2
ENSMUSG00000006057.15	7811.138594	0.097509079	0.039991222	0.097449978	Atp5g1
ENSMUSG000000056144.14	66.94253535	-0.761502079	0.040022177	0.097514458	Trim34a
ENSMUSG000000023036.14	70.80319184	-0.733289421	0.040026805	0.097514786	Pcdhgc4
ENSMUSG000000040606.13	3017.73184	0.131969353	0.040049802	0.097559861	Kazn
ENSMUSG000000014603.2	29.60905581	-1.140120126	0.040079596	0.09762148	Alx3
ENSMUSG000000027282.17	5677.859977	-0.105081576	0.040129822	0.097732846	Mtch2
ENSMUSG000000003573.15	686.8067011	0.243572245	0.04015701	0.097788087	Home3
ENSMUSG000000020098.7	26.94889391	1.190560963	0.040209406	0.097884898	Pcbd1
ENSMUSG000000070641.3	40.2403548	0.984998661	0.040205185	0.097884898	RP23-91G19.3
ENSMUSG000000087128.7	38.66596063	0.98722738	0.040210297	0.097884898	RP23-456B18.2
ENSMUSG0000000110679.1	21993.80641	0.087601768	0.040232989	0.097929153	RP23-98C9.8
ENSMUSG000000042589.18	269.8962464	0.37676221	0.040251537	0.097963311	Cux2
ENSMUSG000000074656.12	18825.25199	-0.082520674	0.04027319	0.09800502	Eif2s2
ENSMUSG0000000112218.1	358.0566526	0.332566518	0.040286687	0.098026872	RP23-187G5.2
ENSMUSG000000060477.14	39.33146824	-0.981621826	0.04029218	0.098029248	Irak2
ENSMUSG000000071646.9	6402.188493	-0.100859178	0.040302976	0.098044521	Mta2
ENSMUSG000000023921.8	3056.986565	0.142795794	0.040342841	0.098130501	Mut
ENSMUSG000000101496.1	2013.380353	0.160674653	0.040413838	0.098286235	RP23-277E3.1
ENSMUSG000000103133.1	97.2037664	-0.644909634	0.040415923	0.098286235	RP24-282D16.9
ENSMUSG000000087616.1	10.39115568	2.2383841	0.040425163	0.098288227	RP23-260N23.9
ENSMUSG000000108574.1	12.6917209	-1.789439985	0.0404258	0.098288227	RP23-292C5.9
ENSMUSG000000030960.16	592.1294685	0.257727096	0.040440877	0.098313869	Mettl10
ENSMUSG000000047945.6	11608.23893	0.089223554	0.040484633	0.098409218	Marcks11
ENSMUSG000000030055.16	37.32315684	1.00127719	0.040494369	0.09842186	Rab43
ENSMUSG00000006010.14	1178.945521	0.212562709	0.040566064	0.098585076	AC121113.1
ENSMUSG000000021947.11	167.7247823	0.488335765	0.040571952	0.098588343	Cryl1
ENSMUSG000000031962.6	6.269298724	2.777585714	0.040582892	0.098603888	Cdh15
ENSMUSG000000086158.2	172.1842302	0.466333351	0.040594485	0.098621013	Ccpg1os
ENSMUSG000000021256.5	295.5740606	-0.358821772	0.040627332	0.098689765	Vash1
ENSMUSG000000036466.17	112.8788516	0.602468639	0.040657388	0.098751721	Megf11
ENSMUSG000000018547.8	5141.953411	-0.110408205	0.040683599	0.098789713	Pip4k2b
ENSMUSG000000029138.4	28.77477869	1.214646002	0.040682966	0.098789713	AC113276.3
ENSMUSG000000044308.17	4639.416173	0.122450984	0.040686686	0.098789713	Ubr3
ENSMUSG000000074731.3	726.1877986	0.231940149	0.040693767	0.098795852	Zfp345
ENSMUSG000000028271.9	1230.50644	0.193550027	0.040723597	0.098857215	Gtf2b
ENSMUSG000000113902.1	1141.197133	0.215388143	0.040764972	0.098946585	RP24-262G23.6
ENSMUSG000000028702.15	2396.406799	0.145732927	0.040785245	0.098984723	Rad54l
ENSMUSG000000033767.14	3392.073852	-0.126135478	0.040805557	0.099022945	D930015E06Rik
ENSMUSG000000061603.8	64.23367963	-0.779826408	0.040890888	0.099218922	Akap6
ENSMUSG000000021830.14	1325.384576	0.179576358	0.04099165	0.099452297	Txndc16
ENSMUSG000000084304.1	635.0937258	0.264512621	0.041023278	0.099517904	RP23-198M10.1
ENSMUSG000000045136.6	7750.727438	-0.101041342	0.041036095	0.099537871	Tubb2b
ENSMUSG000000089698.1	813.8860987	0.231066917	0.041053085	0.099567953	RP24-149O16.2
ENSMUSG000000074890.4	125.3932695	0.542448061	0.041069155	0.099595799	Lcmt2
ENSMUSG000000043223.7	2095.841762	0.171054846	0.041098362	0.099655491	AC138299.1
ENSMUSG000000035757.16	216.0450734	-0.418853174	0.041195822	0.099880653	Selo
ENSMUSG000000064179.13	849.9048156	-0.22047086	0.041208581	0.099900428	Tnnt1
ENSMUSG00000007594.10	661.1215416	-0.248461395	0.041238718	0.09996232	Hapln4

Supplemental Table 8: Genes with significant change in gene expression upon KD of *Srsf7* quantified with DESeq2. Adjusted P-value (padj) > 0.1.

Ensembl_gene_ID	Base_Mean	Log2_fold_change	P-value	Adjusted_p-value	Gene_name
ENSMUSG00000110404.1	431.8460575	3.670384358	7.15E-89	1.09E-84	Rnf223
ENSMUSG00000020431.5	10498.69371	0.563766576	4.44E-36	3.39E-32	Adcy1
ENSMUSG00000030282.14	5182.70128	-0.679498167	5.71E-30	2.90E-26	Cmas
ENSMUSG00000024097.10	6313.256053	-1.412154146	1.39E-28	5.31E-25	Srsf7
ENSMUSG000000026103.14	4346.274091	-0.66930483	2.78E-26	8.48E-23	Gls
ENSMUSG00000040010.10	34451.33833	0.423265623	7.66E-25	1.95E-21	Slc7a5
ENSMUSG00000002718.14	10557.28035	-0.507664804	1.25E-23	2.72E-20	Cse1l
ENSMUSG000000078566.8	4237.908387	-0.678003802	8.63E-23	1.65E-19	Bnip3
ENSMUSG00000010755.17	12199.56538	0.441391277	1.03E-21	1.75E-18	Cars
ENSMUSG000000031004.8	19747.93362	-0.412753069	4.97E-21	7.59E-18	Mki67
ENSMUSG000000041313.14	9558.089344	0.481085568	3.55E-20	4.93E-17	Slc7a1
ENSMUSG000000057110.15	2835.83777	-0.587702548	4.85E-20	6.17E-17	Cntrl
ENSMUSG000000031592.10	4500.288593	-0.499233644	6.43E-20	7.01E-17	Pcm1
ENSMUSG000000046434.16	73530.8987	-0.352723737	6.22E-20	7.01E-17	Hnrnpa1
ENSMUSG000000033624.10	1893.409372	-0.686049927	8.51E-20	8.66E-17	Pdpr
ENSMUSG0000000046873.18	5081.185783	-0.490168377	2.14E-19	2.04E-16	Mbtps2
ENSMUSG00000016528.10	25620.46681	0.346576124	5.83E-19	4.94E-16	Mapkapk2
ENSMUSG000000078817.4	467.8626148	1.30130565	5.60E-19	4.94E-16	Nlrp12
ENSMUSG000000040675.17	7477.717454	0.422199047	2.24E-18	1.80E-15	Mthfd1l
ENSMUSG000000035293.13	7208.091222	-0.456961487	5.33E-18	4.06E-15	G2e3
ENSMUSG000000034807.9	4985.335773	-0.533266032	1.34E-17	9.72E-15	Colgalt1
ENSMUSG000000028136.15	5629.638085	-0.44453149	4.28E-17	2.97E-14	Snx27
ENSMUSG000000063052.9	2043.104459	-0.691849935	4.47E-17	2.97E-14	Lrrc40
ENSMUSG000000061353.11	14240.32458	-0.395799413	5.67E-17	3.61E-14	Cxcl12
ENSMUSG000000026014.15	6602.807079	-0.422897852	1.08E-16	6.57E-14	Raph1
ENSMUSG000000025597.13	1540.533501	-0.666606577	1.49E-16	8.74E-14	Klhl4
ENSMUSG0000000024795.11	3648.761361	-0.48641979	2.61E-16	1.44E-13	Kif20b
ENSMUSG000000035107.13	7592.135994	-0.432348206	2.64E-16	1.44E-13	Dcbld2
ENSMUSG000000092060.4	8123.620094	-0.445845268	3.91E-16	2.06E-13	Bend4
ENSMUSG000000115160.1	1144.38673	-0.755446955	4.46E-16	2.27E-13	RP23-48M16.12
ENSMUSG00000011257.19	17025.64061	-0.340148592	5.22E-16	2.57E-13	Pabpc4
ENSMUSG000000020866.17	2164.7619	-0.579750254	8.26E-16	3.94E-13	Cacna1g
ENSMUSG000000040584.8	750.361191	0.894348672	1.17E-15	5.41E-13	Abcb1a
ENSMUSG00000010095.13	17627.32897	0.406454457	1.27E-15	5.69E-13	Slc3a2
ENSMUSG000000042225.3	4146.129603	-0.494035249	2.28E-15	9.96E-13	Ammecr1
ENSMUSG000000049658.13	3467.93613	-0.576830758	2.38E-15	1.01E-12	Bdp1
ENSMUSG000000062093.5	12225.34752	-0.354295992	4.03E-15	1.66E-12	RP23-3B20.1
ENSMUSG000000041688.16	8302.572611	-0.462620728	5.26E-15	2.11E-12	Amot
ENSMUSG00000016356.18	76.59733768	3.051323987	5.61E-15	2.20E-12	Col20a1
ENSMUSG000000089774.2	1160.946498	-0.767261971	1.95E-14	7.45E-12	Slc5a3
ENSMUSG000000033799.10	5063.915351	-0.469460761	2.66E-14	9.90E-12	Fam208b
ENSMUSG000000032320.7	8237.319636	-0.358668279	2.75E-14	9.99E-12	Rcn2
ENSMUSG000000024493.8	17905.38415	0.317116561	3.76E-14	1.30E-11	Lars
ENSMUSG000000053470.13	3980.848191	-0.439712687	3.74E-14	1.30E-11	Kdm3a
ENSMUSG000000047881.14	3959.675425	0.465473597	3.91E-14	1.33E-11	Rell1
ENSMUSG000000074227.12	2877.952437	-0.4852819	4.02E-14	1.33E-11	Spint2
ENSMUSG000000007721.6	7446.470674	0.371026162	4.29E-14	1.39E-11	Ccdc124
ENSMUSG000000027313.3	4676.247617	0.477680822	4.55E-14	1.45E-11	Chac1
ENSMUSG000000030120.14	15099.17248	0.315090502	4.76E-14	1.48E-11	Mif2
ENSMUSG000000049401.10	3278.540728	0.470465225	5.14E-14	1.57E-11	Ogfr
ENSMUSG00000106290.1	461.020773	1.195220859	5.56E-14	1.66E-11	RP24-349N15.4
ENSMUSG000000106106.2	32946.25838	-0.293561535	6.14E-14	1.80E-11	Rn18s-rs5
ENSMUSG000000026958.13	1279.552224	0.662963098	6.67E-14	1.92E-11	Dpp7
ENSMUSG000000001918.17	11526.78001	0.363664278	1.09E-13	3.07E-11	Slc1a5
ENSMUSG000000044367.7	2265.454687	-0.523714261	1.95E-13	5.42E-11	Slc16a13
ENSMUSG000000029146.14	3049.894966	0.46578752	2.58E-13	7.03E-11	Snx17
ENSMUSG000000004565.15	5102.729222	0.388221902	2.95E-13	7.91E-11	Pnpla6
ENSMUSG000000032715.9	3697.827213	0.527693469	3.56E-13	9.37E-11	Trib3
ENSMUSG000000028480.14	2106.053692	0.512216629	5.65E-13	1.43E-10	Glpr2
ENSMUSG000000031960.14	29510.28285	0.325536338	5.71E-13	1.43E-10	Aars
ENSMUSG000000111394.1	4981.381854	-0.428324546	5.68E-13	1.43E-10	RP23-320D23.6
ENSMUSG000000074802.11	4204.34103	-0.439879696	6.10E-13	1.50E-10	Gas2l3
ENSMUSG000000027615.14	1833.331973	0.581372968	7.18E-13	1.74E-10	Hps3
ENSMUSG000000058922.7	18458.05396	-0.33008039	7.91E-13	1.89E-10	RP23-252G18.2
ENSMUSG000000038633.5	11573.86835	0.313859539	1.00E-12	2.35E-10	Degs1
ENSMUSG000000022884.15	19595.09001	0.287782756	1.16E-12	2.68E-10	Eif4a2
ENSMUSG00000000303.12	8816.437335	-0.348868845	1.45E-12	3.29E-10	Cdh1
ENSMUSG000000032849.14	5603.956236	0.376973921	1.61E-12	3.60E-10	Abcc4
ENSMUSG000000044783.16	11941.63773	-0.358556712	2.01E-12	4.44E-10	Hjrp
ENSMUSG000000025007.13	9880.388814	0.380530721	2.05E-12	4.47E-10	Aldh18a1
ENSMUSG000000009575.14	19300.80028	-0.32255841	2.09E-12	4.49E-10	Cbx5

ENSMUSG00000074637.7	6862.23734	0.344003297	2.72E-12	5.76E-10	Sox2
ENSMUSG00000039967.14	3902.040778	-0.447929909	3.20E-12	6.69E-10	Zfp292
ENSMUSG00000027478.15	32467.99927	-0.267906716	4.70E-12	9.56E-10	Dnmt3b
ENSMUSG00000064325.4	1309.490052	0.62314383	4.67E-12	9.56E-10	Hhip
ENSMUSG00000041147.10	1447.908134	-0.605891021	6.08E-12	1.22E-09	Brca2
ENSMUSG00000042705.8	1694.727129	0.531402328	7.19E-12	1.42E-09	Commd10
ENSMUSG00000073664.11	1741.428234	-0.538652254	7.39E-12	1.45E-09	Nbeal1
ENSMUSG00000024587.9	21124.67992	0.307287814	8.63E-12	1.67E-09	Nars
ENSMUSG00000046636.5	10198.8592	-0.356495176	1.06E-11	2.03E-09	RP23-205H1.1
ENSMUSG00000026605.14	5646.15994	-0.361282687	1.17E-11	2.20E-09	Cenpf
ENSMUSG00000035125.10	817.2088179	-0.724671341	1.47E-11	2.74E-09	Gcfc2
ENSMUSG00000042406.8	14162.31083	0.283797506	1.57E-11	2.90E-09	Atf4
ENSMUSG000000083311.3	10556.4073	-0.332739682	1.66E-11	3.01E-09	RP23-161L11.6
ENSMUSG00000025134.2	10726.57339	0.302231516	2.48E-11	4.37E-09	Alyref
ENSMUSG00000027804.13	7765.648648	-0.358168005	2.49E-11	4.37E-09	Ppid
ENSMUSG00000031700.11	6618.369218	0.377219066	2.45E-11	4.37E-09	Gpt2
ENSMUSG00000005667.8	10571.17689	0.368435994	2.80E-11	4.86E-09	Mthfd2
ENSMUSG000000007617.18	1986.391336	-0.498039747	3.14E-11	5.39E-09	Homer1
ENSMUSG00000022474.15	5566.950726	0.346426224	3.33E-11	5.65E-09	Pmm1
ENSMUSG00000040407.17	3807.875817	-0.381731671	3.72E-11	6.25E-09	Akap9
ENSMUSG00000021311.9	3188.954953	-0.45028507	4.04E-11	6.63E-09	Mtr
ENSMUSG00000023906.2	1858.163945	-0.525953665	4.04E-11	6.63E-09	Cldn6
ENSMUSG00000034064.14	2425.777838	0.44060839	5.20E-11	8.44E-09	Poglut1
ENSMUSG00000017291.13	11499.66883	-0.355483694	5.42E-11	8.71E-09	Taok1
ENSMUSG00000022425.16	19500.74233	0.281439774	6.27E-11	9.98E-09	Enpp2
ENSMUSG00000036098.15	6029.47381	0.334450612	8.80E-11	1.39E-08	Myrf
ENSMUSG00000029208.16	2614.590133	0.437985734	9.74E-11	1.52E-08	Guf1
ENSMUSG00000021495.9	5439.788365	-0.393715637	1.59E-10	2.46E-08	Fam193b
ENSMUSG00000042350.13	1414.526452	-0.543158615	2.31E-10	3.52E-08	Arel1
ENSMUSG000000082079.2	1911.903684	-0.46934595	2.34E-10	3.53E-08	RP23-244H7.1
ENSMUSG00000031229.16	8425.744222	-0.334212301	2.39E-10	3.57E-08	Atrx
ENSMUSG00000029817.11	9092.260901	-0.303023527	2.65E-10	3.89E-08	Tra2a
ENSMUSG00000040728.15	796.2667597	-0.693292844	2.65E-10	3.89E-08	Esrp1
ENSMUSG00000029752.12	15731.19437	0.296024482	2.73E-10	3.97E-08	Asns
ENSMUSG000000034271.16	715.2552294	0.800309615	3.29E-10	4.74E-08	Jdp2
ENSMUSG00000026281.15	8291.159568	0.294001823	3.70E-10	5.28E-08	Dtymk
ENSMUSG00000042515.13	2535.874167	-0.427054263	4.10E-10	5.77E-08	Mum11
ENSMUSG00000059939.13	5340.244174	-0.403933489	4.12E-10	5.77E-08	RP23-139J18.1
ENSMUSG00000002635.11	1907.169178	0.463648646	4.27E-10	5.87E-08	Pdcd21
ENSMUSG000000038146.7	5354.536044	-0.327702075	4.29E-10	5.87E-08	Notch3
ENSMUSG00000038418.7	338.9095381	1.041928889	4.31E-10	5.87E-08	Egr1
ENSMUSG00000036053.17	5070.764431	-0.33963452	4.45E-10	6.02E-08	Fmnl2
ENSMUSG00000019845.8	1111.298558	-0.59356457	4.76E-10	6.32E-08	Tube1
ENSMUSG00000027620.16	17237.56684	0.254570134	4.75E-10	6.32E-08	Rbm39
ENSMUSG00000002428.12	4421.148247	0.342285327	5.75E-10	7.57E-08	Hlff
ENSMUSG000000025041.16	1071.357066	0.577885426	6.97E-10	9.09E-08	Nt5c2
ENSMUSG00000020303.2	9059.804334	0.335321013	7.57E-10	9.79E-08	Stc2
ENSMUSG00000006005.18	10876.8184	-0.290895463	7.78E-10	9.97E-08	Tpr
ENSMUSG00000021927.7	6724.079729	-0.333705052	8.36E-10	1.06E-07	RP23-52B2.1
ENSMUSG00000028465.16	6435.659973	0.313072333	8.50E-10	1.07E-07	Tln1
ENSMUSG00000028179.12	2801.782974	0.44460178	8.60E-10	1.08E-07	Cth
ENSMUSG00000022844.8	1783.463757	-0.468525689	9.06E-10	1.11E-07	Pdia5
ENSMUSG00000042709.14	2635.314942	0.399189333	9.04E-10	1.11E-07	Atpaf2
ENSMUSG000000087071.1	312.2997841	1.078493622	8.98E-10	1.11E-07	Trp73os
ENSMUSG00000059834.12	632.4397515	-0.731209515	9.39E-10	1.14E-07	Sc1t1
ENSMUSG00000068739.13	19353.70796	0.309384681	1.25E-09	1.50E-07	Sars
ENSMUSG000000070436.12	6678.343614	0.299765297	1.42E-09	1.69E-07	Serpinh1
ENSMUSG00000029068.16	10131.35273	-0.278518605	1.43E-09	1.70E-07	Ccnl2
ENSMUSG00000028582.14	2802.91162	0.386275651	1.50E-09	1.76E-07	Cc2d1b
ENSMUSG000000082062.1	10697.86671	0.277333677	1.71E-09	1.99E-07	Ftl2-ps
ENSMUSG00000025986.6	10837.70995	-0.30930126	2.24E-09	2.59E-07	Slc39a10
ENSMUSG000000039285.12	2208.949573	-0.449346676	2.26E-09	2.59E-07	Aiz2
ENSMUSG00000032679.12	14495.22481	0.268318697	2.40E-09	2.73E-07	Cd59a
ENSMUSG00000096210.2	8427.727855	0.383220935	2.64E-09	2.99E-07	H1f0
ENSMUSG00000029446.14	2537.420991	0.42054771	2.78E-09	3.12E-07	Psph
ENSMUSG00000029119.9	1773.777942	0.464274142	2.90E-09	3.23E-07	Man2b2
ENSMUSG00000026384.13	2129.659756	-0.495650492	2.99E-09	3.30E-07	Ptpn4
ENSMUSG000000040720.15	2940.805294	-0.421635685	3.04E-09	3.34E-07	RP23-242O9.1
ENSMUSG00000063632.6	7253.873439	-0.319607012	3.24E-09	3.53E-07	Sox11
ENSMUSG00000001376.17	1790.777455	-0.444353572	3.51E-09	3.80E-07	Vps50
ENSMUSG00000020277.10	21605.72595	0.256457803	3.56E-09	3.83E-07	Pfkl
ENSMUSG00000000628.10	10232.50666	-0.299185332	3.82E-09	4.08E-07	Hk2
ENSMUSG000000013495.15	430.1421017	-0.856755262	4.06E-09	4.30E-07	Tmem175
ENSMUSG00000072966.11	2750.796597	0.379119012	4.91E-09	5.17E-07	Gprasp2

ENSMUSG00000024925.10	1026.75846	-0.572988043	5.24E-09	5.48E-07	Rnaseh2c
ENSMUSG00000034349.14	7591.189964	-0.279777749	5.74E-09	5.96E-07	Smc4
ENSMUSG00000025825.12	1814.80743	0.448311753	6.08E-09	6.27E-07	Iscu
ENSMUSG00000050714.9	851.5658578	-0.614287802	6.23E-09	6.38E-07	Zbtb26
ENSMUSG00000038539.15	1231.385124	0.665192661	6.92E-09	7.04E-07	Atf5
ENSMUSG00000033781.7	701.8079964	0.676010083	7.37E-09	7.45E-07	Asb13
ENSMUSG00000000753.15	631.2230656	0.783857254	8.45E-09	8.49E-07	Serpinf1
ENSMUSG00000038615.17	27258.01519	0.22296204	9.27E-09	9.24E-07	Nfe2l1
ENSMUSG00000030022.14	2227.717003	-0.411730273	9.67E-09	9.54E-07	Adamts9
ENSMUSG00000030660.9	2282.280103	-0.42790078	9.69E-09	9.54E-07	Pik3c2a
ENSMUSG00000032253.13	6275.185409	-0.3655528103	9.81E-09	9.60E-07	Phip
ENSMUSG0000002804.4	464.811438	-0.83177418	1.01E-08	9.72E-07	Nudt14
ENSMUSG00000042608.15	5443.15196	0.307166488	1.00E-08	9.72E-07	Stk40
ENSMUSG00000020695.14	4957.538731	-0.309423885	1.06E-08	1.01E-06	Mrc2
ENSMUSG00000019916.14	5221.269138	-0.333926197	1.10E-08	1.04E-06	P4ha1
ENSMUSG00000050708.16	20148.93673	0.287704849	1.10E-08	1.04E-06	Ftl1
ENSMUSG00000036698.11	14978.15911	-0.293052347	1.16E-08	1.09E-06	Ago2
ENSMUSG00000040463.16	36784.46531	-0.248689167	1.18E-08	1.10E-06	Mybbp1a
ENSMUSG00000031583.13	739.049789	-0.627906933	1.35E-08	1.26E-06	Wrrn
ENSMUSG00000068732.5	6023.20184	0.302637412	1.38E-08	1.27E-06	Tmem167b
ENSMUSG000000106535.1	144.2585646	1.427324586	1.45E-08	1.33E-06	RP23-369O21.1
ENSMUSG00000039221.10	4309.132829	0.323645838	1.58E-08	1.44E-06	Rpl22l1
ENSMUSG00000051855.15	13799.12439	-0.279086894	1.60E-08	1.45E-06	Mest
ENSMUSG00000027677.17	2911.103505	-0.407231759	1.73E-08	1.56E-06	Ttc14
ENSMUSG00000022141.7	6977.277884	-0.299015816	1.75E-08	1.58E-06	Nipbl
ENSMUSG00000033318.7	488.8318958	0.751267373	1.80E-08	1.61E-06	Gstt2
ENSMUSG00000028527.18	3626.459752	-0.390126071	1.91E-08	1.69E-06	Ak4
ENSMUSG00000082107.1	4911.369039	-0.33070832	1.94E-08	1.71E-06	AC165089.2
ENSMUSG00000079477.9	7135.101059	0.272677721	1.95E-08	1.71E-06	Rab7
ENSMUSG00000058542.3	10591.37859	0.266431055	2.17E-08	1.89E-06	RP23-162K2.5
ENSMUSG00000020914.17	42787.61898	-0.215781868	2.30E-08	1.99E-06	Top2a
ENSMUSG00000029007.8	4148.23569	0.318176821	2.35E-08	2.02E-06	Agtrap
ENSMUSG00000033904.16	3190.61769	-0.360331842	2.47E-08	2.11E-06	Ccp110
ENSMUSG00000049916.12	1914.322283	0.432249947	2.47E-08	2.11E-06	RP23-153F8.13
ENSMUSG00000029416.17	1346.32758	-0.493222144	2.68E-08	2.26E-06	Slc15a4
ENSMUSG00000034377.10	3149.620719	-0.358342153	2.68E-08	2.26E-06	Tulp4
ENSMUSG00000070461.3	87.19744354	1.8160191	2.74E-08	2.30E-06	RP23-397H18.5
ENSMUSG00000035597.19	4101.167128	-0.320336121	2.76E-08	2.30E-06	Prpf39
ENSMUSG00000029385.14	2605.445432	-0.387515766	2.92E-08	2.42E-06	Ccng2
ENSMUSG00000045193.13	1182.170858	-0.55821213	3.14E-08	2.59E-06	Cirbp
ENSMUSG00000022822.16	5179.598203	0.309268216	3.39E-08	2.78E-06	Abcc5
ENSMUSG00000036990.13	9864.873423	-0.275807121	3.43E-08	2.80E-06	Otud4
ENSMUSG00000057637.13	16167.06232	0.26520255	3.52E-08	2.86E-06	Prdm2
ENSMUSG00000030779.16	5754.812704	-0.288704701	3.58E-08	2.89E-06	Rbbp6
ENSMUSG00000015597.16	2147.278908	-0.408079799	3.72E-08	2.99E-06	Zfp318
ENSMUSG00000020520.14	2996.517782	0.34724586	3.84E-08	3.07E-06	Galnt10
ENSMUSG000000108414.1	8812.398576	0.313577365	3.89E-08	3.09E-06	Snhg1
ENSMUSG00000044791.16	4549.155714	-0.304019854	4.03E-08	3.19E-06	Setd2
ENSMUSG00000031770.16	4432.731642	0.307512377	4.11E-08	3.23E-06	Herpud1
ENSMUSG00000037851.13	17722.94262	0.238505663	4.19E-08	3.28E-06	Iars
ENSMUSG00000030421.9	4632.455686	0.304286468	4.24E-08	3.30E-06	Uri1
ENSMUSG00000029777.10	20851.02174	0.23914432	4.36E-08	3.38E-06	Gars
ENSMUSG00000049932.3	3112.744261	0.349050872	4.43E-08	3.41E-06	H2afx
ENSMUSG00000001270.9	5959.061535	0.287005895	5.00E-08	3.78E-06	Ckb
ENSMUSG00000028906.16	5191.162667	-0.286621044	4.96E-08	3.78E-06	Epb41
ENSMUSG00000031381.16	2431.144794	-0.372726849	5.00E-08	3.78E-06	Piga
ENSMUSG00000044788.10	1318.993842	0.486191213	4.98E-08	3.78E-06	Fads6
ENSMUSG00000018677.9	7081.284663	0.285316427	5.36E-08	4.01E-06	Slc25a39
ENSMUSG00000023169.15	12634.0075	0.247081046	5.33E-08	4.01E-06	Slc38a1
ENSMUSG00000023235.14	958.4530343	0.549153463	5.43E-08	4.04E-06	Ccl25
ENSMUSG00000020255.8	11347.65147	-0.298052345	5.60E-08	4.15E-06	RP24-227O16.1
ENSMUSG00000020326.7	1731.511428	0.524666865	5.65E-08	4.17E-06	Ccng1
ENSMUSG00000024799.15	2329.108838	-0.376865699	5.78E-08	4.24E-06	Tm7sf2
ENSMUSG00000024423.5	2922.12567	0.363729456	6.23E-08	4.55E-06	Impact
ENSMUSG00000020311.17	1449.226702	-0.494625305	6.48E-08	4.68E-06	Erlec1
ENSMUSG00000039838.11	623.0931855	0.665950257	6.50E-08	4.68E-06	Slc45a1
ENSMUSG00000040557.14	1820.488345	0.41469731	6.46E-08	4.68E-06	Wbscr27
ENSMUSG000000096954.1	640.6940824	-0.63947464	6.76E-08	4.84E-06	Gdap10
ENSMUSG00000036078.16	13859.28007	0.246727339	6.96E-08	4.96E-06	Sigmar1
ENSMUSG00000079033.10	1110.688852	0.541732487	7.93E-08	5.63E-06	Mef2b
ENSMUSG00000037487.7	20944.54426	-0.23417013	8.31E-08	5.86E-06	Ubr5
ENSMUSG00000054667.7	2186.985082	-0.381870697	8.33E-08	5.86E-06	Irs4
ENSMUSG00000071235.12	2255.102778	-0.368290789	9.12E-08	6.39E-06	Vrtn
ENSMUSG00000045667.14	1910.736102	-0.416049783	1.04E-07	7.27E-06	Smtnl2

ENSMUSG00000045962.16	15333.69259	-0.246470458	1.06E-07	7.33E-06	Wnk1
ENSMUSG00000026565.18	3828.566826	-0.327664615	1.10E-07	7.59E-06	Pou2f1
ENSMUSG00000039994.15	4645.552173	0.305137256	1.15E-07	7.90E-06	Timeless
ENSMUSG00000020593.15	2369.620182	-0.364206072	1.23E-07	8.41E-06	Lpin1
ENSMUSG00000024640.9	30871.63575	0.231814705	1.24E-07	8.42E-06	Psat1
ENSMUSG00000034243.17	5347.162882	-0.275085579	1.24E-07	8.43E-06	Golgb1
ENSMUSG000000107962.1	995.0804422	-0.527426433	1.30E-07	8.77E-06	RP23-83P5.5
ENSMUSG00000001642.18	10014.93225	0.235685167	1.34E-07	9.03E-06	Akr1b3
ENSMUSG00000024096.16	4961.955896	0.293309122	1.37E-07	9.18E-06	Ralbp1
ENSMUSG00000017146.12	7103.920979	-0.267592712	1.41E-07	9.39E-06	Brca1
ENSMUSG00000018474.17	1765.49112	-0.417713745	1.51E-07	1.00E-05	Chd3
ENSMUSG00000041245.13	3468.307999	-0.335153579	1.63E-07	1.08E-05	Wnk3
ENSMUSG00000012396.12	5729.44408	-0.270701577	1.67E-07	1.10E-05	Nanog
ENSMUSG00000021952.16	5755.651918	-0.32414064	1.67E-07	1.10E-05	Xpo4
ENSMUSG00000001100.10	3911.452696	0.306484436	1.78E-07	1.15E-05	Poldip2
ENSMUSG000000047712.8	341.9589857	-0.833295115	1.78E-07	1.15E-05	Ust
ENSMUSG00000030016.14	4662.332733	-0.315300459	1.79E-07	1.16E-05	Zfml
ENSMUSG00000030322.12	2163.310031	-0.379403616	1.83E-07	1.18E-05	Mbd4
ENSMUSG00000062209.15	237.2905091	-0.9998737	1.85E-07	1.19E-05	ErbB4
ENSMUSG00000032409.15	2593.85567	-0.356180866	1.89E-07	1.21E-05	Atr
ENSMUSG00000022483.17	1652.233393	-0.425433782	1.90E-07	1.21E-05	Col2a1
ENSMUSG00000028893.8	4120.42472	0.318283795	1.92E-07	1.22E-05	Sesn2
ENSMUSG00000047139.9	5464.308377	-0.277562685	1.95E-07	1.23E-05	Cd24a
ENSMUSG00000045328.11	4037.750245	-0.299643215	2.17E-07	1.36E-05	Cenpe
ENSMUSG00000072672.10	663.6472187	-0.619227126	2.16E-07	1.36E-05	Duxbl3
ENSMUSG00000055204.15	7262.61365	-0.28818294	2.25E-07	1.40E-05	Ankrd17
ENSMUSG00000032740.16	1937.565685	-0.437828723	2.29E-07	1.42E-05	Ccdc88a
ENSMUSG00000022055.7	1162.41039	-0.494529	2.31E-07	1.42E-05	Nefl
ENSMUSG000000000278.10	10008.8811	0.242850679	2.36E-07	1.46E-05	Scpep1
ENSMUSG00000038500.15	1094.180587	0.475413778	2.69E-07	1.65E-05	Prr3
ENSMUSG00000027500.10	5590.899811	0.269188294	2.92E-07	1.78E-05	Stmn2
ENSMUSG00000030669.13	1474.61828	0.430970774	2.99E-07	1.82E-05	Calca
ENSMUSG00000027130.15	1601.38154	-0.409929163	3.08E-07	1.86E-05	Slc12a6
ENSMUSG00000030138.8	10334.13307	-0.242806645	3.52E-07	2.13E-05	Bms1
ENSMUSG00000020859.16	8316.070024	-0.260795417	3.62E-07	2.17E-05	Spag9
ENSMUSG00000028438.16	1063.696136	-0.485923975	3.64E-07	2.18E-05	Kif24
ENSMUSG00000035476.9	829.9607254	-0.555905078	3.65E-07	2.18E-05	Tab3
ENSMUSG00000024151.13	9413.147516	-0.230927405	3.82E-07	2.27E-05	Msh2
ENSMUSG00000074656.12	20313.59844	0.202904645	3.92E-07	2.32E-05	Eif2s2
ENSMUSG00000031557.16	1086.996148	-0.51895352	4.12E-07	2.43E-05	Plekha2
ENSMUSG00000026761.12	2000.750187	-0.378818736	4.26E-07	2.50E-05	Orc4
ENSMUSG00000030528.12	5019.081936	-0.269204133	4.28E-07	2.50E-05	Blm
ENSMUSG00000035284.10	2958.917853	-0.33632068	4.50E-07	2.61E-05	Vps13c
ENSMUSG000000112784.1	88.00843871	-1.641018711	4.50E-07	2.61E-05	RP24-147D14.5
ENSMUSG00000025161.16	27215.95879	-0.212169886	4.57E-07	2.64E-05	Slc16a3
ENSMUSG00000021182.15	2340.933182	-0.372310224	4.83E-07	2.78E-05	Ccdc88c
ENSMUSG00000053560.4	1544.394288	0.417382164	4.89E-07	2.81E-05	Ier2
ENSMUSG00000031995.9	534.4267949	-0.646614923	4.97E-07	2.84E-05	St14
ENSMUSG00000072675.12	647.7170583	-0.610442358	5.25E-07	2.99E-05	Duxbl2
ENSMUSG00000035376.10	1932.053954	0.375091093	5.31E-07	3.01E-05	Hacd2
ENSMUSG00000039219.18	1986.763575	-0.385936154	5.47E-07	3.09E-05	Arid4b
ENSMUSG00000018040.9	3280.052669	0.311597459	5.54E-07	3.12E-05	Rrp7a
ENSMUSG00000035133.9	4679.941443	-0.30059083	5.57E-07	3.12E-05	Arhgap5
ENSMUSG00000016319.3	18227.98747	0.206622395	5.68E-07	3.17E-05	Slc25a5
ENSMUSG00000067336.6	2776.358233	-0.35416233	5.84E-07	3.25E-05	Bmpr2
ENSMUSG00000042659.15	1979.065181	0.418797301	6.07E-07	3.37E-05	Arrdc4
ENSMUSG00000030729.17	2405.973481	-0.367886039	6.29E-07	3.48E-05	Pgm211
ENSMUSG00000057789.13	1630.078149	0.394811215	6.38E-07	3.51E-05	Bak1
ENSMUSG00000005374.13	5619.302552	-0.255850037	6.72E-07	3.69E-05	Tbl2
ENSMUSG00000028399.18	1951.995675	-0.363303443	6.86E-07	3.75E-05	Ptprd
ENSMUSG00000021918.10	1092.067375	-0.496724184	6.91E-07	3.77E-05	Nek4
ENSMUSG00000009630.10	5726.086551	0.261014853	7.01E-07	3.81E-05	Ppp2cb
ENSMUSG00000025326.12	4417.587577	-0.303826066	7.11E-07	3.85E-05	Ube3a
ENSMUSG00000036046.14	2357.740515	-0.381234625	7.21E-07	3.89E-05	RP23-180L12.1
ENSMUSG00000024538.7	578.4180044	-0.629205594	7.48E-07	4.02E-05	Ppic
ENSMUSG00000038388.14	6764.469832	-0.242034992	7.53E-07	4.03E-05	Mpp6
ENSMUSG00000031490.6	9642.993491	0.252159225	7.69E-07	4.09E-05	Eif4ebp1
ENSMUSG00000035530.13	16927.40898	0.228581603	7.69E-07	4.09E-05	Eif1
ENSMUSG00000005892.4	3822.762314	0.293927379	7.73E-07	4.10E-05	Trh
ENSMUSG00000002763.16	1602.527912	-0.477547171	7.93E-07	4.19E-05	Pex6
ENSMUSG00000062296.8	682.9460001	-0.577638346	7.98E-07	4.20E-05	Trank1
ENSMUSG00000024247.14	5393.371953	0.260664101	8.07E-07	4.24E-05	Pkdcc
ENSMUSG00000021470.18	1728.354139	-0.445582254	8.36E-07	4.37E-05	Ercc6l2
ENSMUSG00000057541.14	2551.333301	-0.347853095	8.44E-07	4.40E-05	Pus7

ENSMUSG00000034297.14	5966.962764	-0.28587293	9.25E-07	4.80E-05	Med13
ENSMUSG00000018554.13	782.877778	-0.563860733	9.28E-07	4.80E-05	Ybx2
ENSMUSG00000005871.14	6837.101874	-0.261144201	9.48E-07	4.89E-05	Apc
ENSMUSG00000047369.15	214.2470106	1.034312858	9.99E-07	5.13E-05	Dnah14
ENSMUSG00000019373.11	4269.36319	0.279491738	1.02E-06	5.22E-05	Cops3
ENSMUSG00000021203.15	2030.797123	0.403737324	1.03E-06	5.27E-05	Otub2
ENSMUSG00000038538.17	4676.114487	-0.284405198	1.06E-06	5.39E-05	Ubn2
ENSMUSG00000033326.15	5571.780109	0.277713248	1.07E-06	5.41E-05	Kdm4a
ENSMUSG00000102252.5	21269.6446	0.208519728	1.13E-06	5.70E-05	Snrpn
ENSMUSG00000037608.16	8554.197367	-0.262056614	1.15E-06	5.77E-05	Bclaf1
ENSMUSG00000036534.6	2490.126635	0.323965917	1.20E-06	6.04E-05	Slc38a7
ENSMUSG00000037876.17	10735.06128	-0.254742372	1.24E-06	6.19E-05	Jmjd1c
ENSMUSG00000032363.15	762.6519087	-0.540594682	1.26E-06	6.28E-05	Adamts7
ENSMUSG00000061859.16	891.7125336	-0.493625619	1.33E-06	6.59E-05	Inadl
ENSMUSG00000051278.12	2180.284102	-0.346218599	1.35E-06	6.71E-05	Zgrf1
ENSMUSG00000003153.10	74792.5376	-0.216421376	1.36E-06	6.73E-05	Slc2a3
ENSMUSG00000001627.12	2945.741351	0.337868695	1.39E-06	6.78E-05	lfrd1
ENSMUSG000000025586.17	1304.995688	0.420928624	1.38E-06	6.78E-05	Cpeb1
ENSMUSG00000027187.10	2848.850934	0.327719468	1.38E-06	6.78E-05	Cat
ENSMUSG00000053774.9	6136.969398	-0.252965225	1.40E-06	6.83E-05	Ubxn7
ENSMUSG00000030681.18	134.3745751	1.237081548	1.43E-06	6.93E-05	Mvp
ENSMUSG00000025219.13	2402.051022	-0.340984058	1.45E-06	7.05E-05	Fgf8
ENSMUSG00000053012.17	358.5030559	-0.883364061	1.50E-06	7.22E-05	Krccl1
ENSMUSG000000058056.16	5280.208427	0.251050539	1.51E-06	7.25E-05	Palld
ENSMUSG00000037416.13	5049.261694	-0.288964265	1.54E-06	7.38E-05	Dmnl1
ENSMUSG00000008206.16	5382.918346	0.249550673	1.56E-06	7.45E-05	Cers4
ENSMUSG00000028645.11	30332.49195	-0.201351801	1.58E-06	7.56E-05	Slc2a1
ENSMUSG00000048502.14	604.5468643	-0.603592068	1.60E-06	7.60E-05	Duxbl1
ENSMUSG000000025278.9	14714.18647	-0.22274187	1.63E-06	7.71E-05	Flnb
ENSMUSG00000018697.14	2719.775388	0.354337785	1.67E-06	7.91E-05	Aatf
ENSMUSG00000021094.10	3353.555358	0.332130055	1.78E-06	8.41E-05	Dhrs7
ENSMUSG00000009376.15	1125.503545	-0.471502598	1.79E-06	8.42E-05	Met
ENSMUSG00000028282.12	2732.840563	-0.329829574	1.90E-06	8.90E-05	Casp8ap2
ENSMUSG00000049422.7	4267.901511	0.277195502	1.92E-06	8.96E-05	Chchd10
ENSMUSG000000047751.9	6375.56759	0.253700503	1.93E-06	8.97E-05	Utf1
ENSMUSG00000026361.9	3917.66798	-0.300607017	1.95E-06	9.02E-05	Cdc73
ENSMUSG00000029552.19	1418.023211	-0.395196528	1.95E-06	9.02E-05	Tes
ENSMUSG00000006442.10	10592.62871	0.218293258	2.04E-06	9.35E-05	Srm
ENSMUSG00000020620.14	1194.205542	0.433275981	2.04E-06	9.35E-05	Abca8b
ENSMUSG000000038312.10	1273.422182	-0.412505747	2.04E-06	9.35E-05	Edem2
ENSMUSG00000030309.16	1163.016387	-0.449015381	2.09E-06	9.54E-05	Caprin2
ENSMUSG00000031532.6	3909.911638	0.285016766	2.10E-06	9.59E-05	Saraf
ENSMUSG00000025409.14	8562.889727	0.234814768	2.16E-06	9.78E-05	Mbd6
ENSMUSG00000075706.10	7847.990497	0.240279374	2.16E-06	9.78E-05	Gpx4
ENSMUSG00000037787.14	959.6350277	0.485889404	2.17E-06	9.81E-05	Apopt1
ENSMUSG000000037933.16	1643.776843	-0.374194005	2.23E-06	9.99E-05	Bicd2
ENSMUSG00000053024.14	702.369871	0.537816139	2.23E-06	9.99E-05	Cntn2
ENSMUSG00000072647.6	92.96820171	1.459935871	2.23E-06	9.99E-05	Adam1a
ENSMUSG00000022538.20	3889.43121	0.274023275	2.27E-06	0.000101194	Lsg1
ENSMUSG00000074480.4	4561.193843	-0.263545058	2.27E-06	0.000101194	Mex3a
ENSMUSG000000028676.17	12300.57425	-0.215987984	2.32E-06	0.000102847	Srsf10
ENSMUSG00000055296.14	5391.56796	-0.257432114	2.37E-06	0.000104978	Tmem245
ENSMUSG00000031379.13	2220.26188	0.3341083	2.46E-06	0.000108462	Pir
ENSMUSG00000037572.17	3601.814237	-0.28100146	2.51E-06	0.000110623	Wdhd1
ENSMUSG00000037552.17	2977.272844	-0.29559493	2.53E-06	0.000110749	Plekhg2
ENSMUSG00000041633.14	1191.136062	-0.448871325	2.55E-06	0.000111463	Kctd12b
ENSMUSG000000007989.7	3078.565866	-0.370285532	2.67E-06	0.000115892	Fzd3
ENSMUSG00000097971.3	7219.321934	0.283237042	2.66E-06	0.000115892	RP23-81C12.1
ENSMUSG00000051257.3	2253.897132	0.351051344	2.69E-06	0.000116427	Trap1a
ENSMUSG00000022241.6	12457.97678	0.227182157	2.72E-06	0.000117414	Tars
ENSMUSG00000039715.8	561.2148469	-0.603555272	2.72E-06	0.000117414	Wdr34
ENSMUSG000000022559.8	2259.483067	0.343350853	2.74E-06	0.000117849	Fbxl6
ENSMUSG00000028780.13	1102.854152	-0.448637077	2.76E-06	0.00011832	Sema3c
ENSMUSG00000041734.15	2981.210572	-0.327333996	2.78E-06	0.00011902	Kirrel
ENSMUSG00000032267.8	5493.629927	-0.245471801	2.81E-06	0.000119929	Usp28
ENSMUSG00000095654.2	262.7212828	0.852750678	2.91E-06	0.000123645	Plscr5
ENSMUSG00000020790.14	4534.485347	-0.265351338	3.01E-06	0.000127439	Ankyf1
ENSMUSG000000023923.10	666.503366	-0.543910246	3.01E-06	0.000127439	Tbc1d5
ENSMUSG00000028917.14	569.7330486	0.593281894	3.03E-06	0.000127487	Plekhm2
ENSMUSG00000035704.17	1587.456708	0.382115593	3.02E-06	0.000127487	Alg8
ENSMUSG00000041881.12	3325.981993	-0.351714575	3.15E-06	0.000131934	Ndufa7
ENSMUSG00000036103.8	4224.165792	-0.259436325	3.21E-06	0.000134157	Coletc12
ENSMUSG000000084235.2	2762.072844	0.342015751	3.26E-06	0.000135863	AC121548.2
ENSMUSG00000040850.17	14826.45045	-0.197142342	3.32E-06	0.000138202	Psme4

ENSMUSG00000020185.16	1297.159334	-0.433827401	3.39E-06	0.000140514	E2f7
ENSMUSG00000040667.11	8988.029402	0.219366655	3.40E-06	0.000140594	Nup88
ENSMUSG00000047221.5	834.3682562	-0.526491988	3.47E-06	0.000143348	Fam185a
ENSMUSG00000042207.17	8900.312353	-0.218704109	3.71E-06	0.000152461	Kdm5b
ENSMUSG00000069806.5	3209.974523	0.284293379	3.72E-06	0.000152461	Cacng7
ENSMUSG00000005672.12	2470.067465	-0.311958867	3.74E-06	0.000153186	Kit
ENSMUSG000000114642.1	3321.180425	-0.336929969	3.75E-06	0.000153186	RP24-188N22.4
ENSMUSG00000022321.15	1377.844666	0.388427388	3.77E-06	0.000153382	Cdh10
ENSMUSG00000028830.14	3151.639977	0.287640912	3.78E-06	0.000153382	RP23-273D6.2
ENSMUSG00000035495.15	975.3206044	-0.470116952	3.80E-06	0.000154014	Tstd2
ENSMUSG00000022811.17	1377.752607	-0.43684728	3.96E-06	0.000159961	Zfp148
ENSMUSG00000045767.9	3923.384166	-0.263888241	4.07E-06	0.000163762	RP23-216P14.8
ENSMUSG000000092384.7	352.338128	-0.769828063	4.10E-06	0.000164665	RP24-341K21.6
ENSMUSG00000063663.11	2845.478165	-0.349691558	4.13E-06	0.0001654	Brwd3
ENSMUSG00000006262.15	1934.784444	-0.36951055	4.16E-06	0.000166022	Mob1b
ENSMUSG00000039427.14	1388.136775	0.392017812	4.19E-06	0.00016704	Alg1
ENSMUSG00000065990.12	3838.472192	0.265109185	4.26E-06	0.000169188	Aurkaip1
ENSMUSG00000046020.13	4220.209087	0.259193888	4.33E-06	0.000171728	Pofut1
ENSMUSG00000052738.14	3987.731419	0.262171478	4.37E-06	0.00017289	Suc1g1
ENSMUSG00000000958.10	5485.227053	0.253944739	4.39E-06	0.000173245	Slc7a7
ENSMUSG00000003299.10	2351.373526	0.320020077	4.57E-06	0.000179916	Mrpl4
ENSMUSG00000055003.14	580.4047032	0.572667052	4.59E-06	0.000180026	Lrtm2
ENSMUSG00000021754.17	2454.426791	-0.307610427	4.61E-06	0.000180406	Map3k1
ENSMUSG00000025439.5	4398.444187	0.25700722	4.71E-06	0.000184013	Clns1a
ENSMUSG00000021000.16	5166.874935	0.24322691	4.95E-06	0.000192915	Mia2
ENSMUSG00000109324.2	16030.21369	0.195235702	5.01E-06	0.000194633	Prmt1
ENSMUSG00000035649.17	1322.984368	-0.390783361	5.06E-06	0.000195836	Zcchc7
ENSMUSG000000084111.4	26298.32107	0.19088771	5.09E-06	0.000196855	AC122438.1
ENSMUSG000000020783.14	2213.724093	-0.335302958	5.16E-06	0.000198695	Ncbp3
ENSMUSG000000064370.1	90701.03266	0.19473703	5.17E-06	0.000198695	mt-Cytb
ENSMUSG00000020078.16	2448.325199	0.307483286	5.46E-06	0.000208568	Vps26a
ENSMUSG00000025531.14	1966.212315	-0.346672501	5.47E-06	0.000208568	Chm
ENSMUSG00000037458.15	4894.775995	0.250854181	5.44E-06	0.000208568	Azin1
ENSMUSG00000000915.15	5290.830145	0.2438585	5.50E-06	0.000209197	Hip1r
ENSMUSG000000068284.14	1587.579055	-0.367547612	5.53E-06	0.000209965	Usf3
ENSMUSG00000000194.13	3984.592594	0.257112501	5.61E-06	0.000211337	Gpr107
ENSMUSG00000026675.12	1459.325087	-0.402557211	5.60E-06	0.000211337	Hsd17b7
ENSMUSG000000068196.5	588.2926215	0.631414458	5.59E-06	0.000211337	Col8a1
ENSMUSG00000014195.15	8326.428844	0.211314486	5.72E-06	0.000214643	Dnajc7
ENSMUSG000000034687.8	2632.190541	-0.301737843	5.72E-06	0.000214643	Fras1
ENSMUSG00000020459.14	2692.472967	-0.304082113	5.77E-06	0.000215824	Mtif2
ENSMUSG00000031916.17	938.9116722	0.451642485	5.95E-06	0.000221791	Cog8
ENSMUSG00000037373.12	5121.532169	0.245105835	5.96E-06	0.000221791	Ctbp1
ENSMUSG00000062382.9	10262.01687	0.259849539	5.98E-06	0.000222076	RP23-44G15.5
ENSMUSG00000045009.9	265.6632491	0.820389807	6.01E-06	0.000222783	Prrt3
ENSMUSG000000040929.16	1663.405709	-0.352626024	6.10E-06	0.000224709	Rfx3
ENSMUSG00000074994.5	4721.805112	-0.252425491	6.10E-06	0.000224709	Qser1
ENSMUSG00000031537.15	2187.964258	0.329329936	6.20E-06	0.000228067	Ikbbk
ENSMUSG00000039953.13	16550.7885	0.209545471	6.29E-06	0.000230836	Clstn1
ENSMUSG00000020152.7	11855.63458	-0.216428089	6.61E-06	0.000241477	Actr2
ENSMUSG00000025980.14	32272.02622	0.199463302	6.61E-06	0.000241477	Hspd1
ENSMUSG00000024298.14	2332.135851	-0.405822226	6.98E-06	0.000254208	Zfp871
ENSMUSG00000097347.1	392.3807384	-0.673254052	7.04E-06	0.000255786	Gm17275
ENSMUSG00000027423.15	15215.20294	-0.194408144	7.17E-06	0.000259806	Snx5
ENSMUSG0000001576.14	7929.896018	0.227263139	7.44E-06	0.000269133	Ergic1
ENSMUSG00000028937.14	2417.128124	0.308183449	7.63E-06	0.000275275	Acot7
ENSMUSG00000033411.16	2371.530894	-0.308297783	7.84E-06	0.000282147	Ctdspl2
ENSMUSG00000016477.18	3080.842647	-0.325230922	8.16E-06	0.000292732	E2f3
ENSMUSG00000041355.13	11356.09239	0.210068379	8.17E-06	0.000292732	Ssr2
ENSMUSG00000039801.7	2114.507195	-0.323281305	8.39E-06	0.000299741	AC158971.1
ENSMUSG00000038793.8	9209.000897	0.208116723	8.72E-06	0.000310842	Lefty1
ENSMUSG000000067150.5	5308.766344	-0.276726504	9.04E-06	0.000321742	Xpo5
ENSMUSG00000044005.13	1412.818485	-0.393218533	9.22E-06	0.000327228	Gls2
ENSMUSG00000076435.3	1026.927752	0.422516613	9.32E-06	0.00033013	Acsf2
ENSMUSG00000000384.15	5995.250578	0.231992841	9.41E-06	0.000332377	Tbrg4
ENSMUSG00000046186.8	947.9001277	-0.444480914	9.50E-06	0.000334017	Cd109
ENSMUSG00000056342.16	8747.277869	-0.244438989	9.49E-06	0.000334017	Usp34
ENSMUSG000000021468.8	2190.369105	0.31971064	9.59E-06	0.000335012	Sptlc1
ENSMUSG00000034187.18	4572.421464	0.250353827	9.57E-06	0.000335012	Nsf
ENSMUSG00000042599.8	3312.813826	-0.267117401	9.58E-06	0.000335012	Kdm7a
ENSMUSG00000042700.16	3537.349343	-0.265434758	9.67E-06	0.000337021	Sipa111
ENSMUSG00000017550.14	4785.455433	-0.26980757	9.75E-06	0.000339081	Atad5
ENSMUSG00000014813.9	1374.748927	-0.394798424	9.97E-06	0.000345718	Stc1
ENSMUSG00000008200.14	4980.534907	-0.241130639	9.99E-06	0.000345916	Fnbp4

ENSMUSG00000028964.14	6509.982247	0.223404476	1.00E-05	0.000346458	Park7
ENSMUSG00000034570.12	175.1083595	0.966312236	1.05E-05	0.00036237	Inpp5j
ENSMUSG00000028165.9	2468.211618	0.301140216	1.06E-05	0.000363236	Cisd2
ENSMUSG00000026594.14	2771.42571	-0.28593672	1.08E-05	0.000368256	Ralgsps2
ENSMUSG00000042197.13	3244.3557	-0.266564606	1.08E-05	0.000368256	Zfp451
ENSMUSG00000029263.15	1244.235124	-0.390287494	1.10E-05	0.000373905	Pigg
ENSMUSG00000031633.4	5756.899133	0.237205543	1.10E-05	0.000373905	Slc25a4
ENSMUSG00000027881.14	6540.770176	-0.221275642	1.11E-05	0.000375897	Prpf38b
ENSMUSG00000060206.11	5353.786691	-0.241633156	1.12E-05	0.000380277	Zfp462
ENSMUSG00000041130.9	5667.960407	0.256613379	1.14E-05	0.000384706	Zfp598
ENSMUSG00000040703.11	450.1539131	-0.629411465	1.15E-05	0.000387872	Cyp2s1
ENSMUSG00000050473.5	1551.883563	0.357705032	1.16E-05	0.00039093	Slc35d3
ENSMUSG00000032293.8	7905.944888	-0.231932256	1.18E-05	0.000394573	Ireb2
ENSMUSG00000066315.9	26132.45116	0.186998127	1.18E-05	0.000394573	RP23-144K18.3
ENSMUSG00000026806.15	904.8561976	-0.442716889	1.18E-05	0.000395983	Ddx31
ENSMUSG00000033096.7	1091.254187	0.409684568	1.19E-05	0.000396308	Apmmap
ENSMUSG00000073609.9	761.5414224	-0.47793627	1.23E-05	0.000410609	D2hgdh
ENSMUSG00000024645.4	1241.755715	-0.402901997	1.26E-05	0.000416335	Timm21
ENSMUSG00000026773.19	1589.151097	-0.379447578	1.25E-05	0.000416335	Pfkfb3
ENSMUSG00000028973.18	2752.783732	0.27961892	1.26E-05	0.000416335	Abcb8
ENSMUSG00000031778.13	3156.6192	0.280300616	1.26E-05	0.000416389	Cx3cl1
ENSMUSG00000031626.17	884.1759169	0.466190503	1.27E-05	0.000418226	Sorbs2
ENSMUSG00000039904.9	1056.771701	0.439443683	1.27E-05	0.000418226	Gpr37
ENSMUSG00000045039.9	6027.339981	-0.222455228	1.27E-05	0.000418226	Megf8
ENSMUSG00000039230.14	4138.610221	0.244752391	1.29E-05	0.00042397	Tbcd
ENSMUSG00000049775.16	3598.878129	-0.325130384	1.30E-05	0.000424412	Tmsb4x
ENSMUSG00000052727.6	8775.799525	-0.233453127	1.30E-05	0.000424412	Map1b
ENSMUSG00000041028.16	9900.601392	0.208802537	1.31E-05	0.000427461	Ghitm
ENSMUSG00000031644.19	2003.489489	-0.328227985	1.32E-05	0.000429061	Nek1
ENSMUSG00000043257.15	1342.265564	-0.370118593	1.33E-05	0.000430254	Pigv
ENSMUSG00000032890.17	4435.400956	0.30934118	1.42E-05	0.000458648	Rims3
ENSMUSG00000045973.18	5690.243573	0.224821899	1.43E-05	0.000460193	Slc25a51
ENSMUSG00000026196.7	2039.390049	-0.310406926	1.44E-05	0.000462973	Bard1
ENSMUSG00000023018.5	7205.315323	0.223582903	1.48E-05	0.00047632	Smardc1
ENSMUSG00000034205.16	3361.284539	-0.265035617	1.49E-05	0.000477923	Lox12
ENSMUSG00000094566.1	1232.080727	-0.380141205	1.50E-05	0.00047991	RP23-331I21.16
ENSMUSG00000061393.14	3356.703699	-0.279598826	1.50E-05	0.000480537	Acvr2b
ENSMUSG00000026491.13	6814.04795	-0.225493168	1.51E-05	0.000481842	Ahctf1
ENSMUSG00000097772.7	851.2056771	-0.470811604	1.52E-05	0.000483824	RP23-325M7.3
ENSMUSG00000068328.9	3310.923876	0.292444865	1.55E-05	0.000492286	Aup1
ENSMUSG00000038664.16	5276.435235	-0.245367597	1.59E-05	0.00050274	Herc1
ENSMUSG00000022360.8	9364.115139	-0.211733337	1.61E-05	0.0005087	Atad2
ENSMUSG00000052331.14	20785.18177	0.191550216	1.64E-05	0.000515748	Ankrd44
ENSMUSG00000066057.6	374.6618448	-0.668825048	1.64E-05	0.000515748	RP24-133K9.1
ENSMUSG00000041718.15	11126.54211	-0.21156088	1.65E-05	0.000517057	Alg13
ENSMUSG00000017499.15	3985.960466	-0.255328714	1.66E-05	0.000520748	Cdc6
ENSMUSG00000073889.10	528.0171399	0.56253744	1.67E-05	0.00052246	Il11ra1
ENSMUSG00000063810.7	2531.402121	-0.310228635	1.75E-05	0.000545672	Alms1
ENSMUSG00000027938.11	166.8023779	-0.994011685	1.76E-05	0.000547742	Creb3l4
ENSMUSG00000020832.14	2164.671292	0.30492163	1.82E-05	0.000564215	Eral1
ENSMUSG00000050310.9	2659.518501	-0.29785876	1.82E-05	0.000564215	Rictor
ENSMUSG00000031485.15	1897.180335	0.317444278	1.82E-05	0.00056451	Prosc
ENSMUSG0000005370.3	7670.245997	-0.202963092	1.84E-05	0.000569953	Msh6
ENSMUSG00000025269.16	1906.474467	0.320281264	1.85E-05	0.000570128	Apex2
ENSMUSG000000113836.1	673.9266145	-0.542472397	1.85E-05	0.000570128	RP24-231B8.5
ENSMUSG00000025938.16	3718.148186	-0.268062451	1.89E-05	0.00058169	Slco5a1
ENSMUSG00000017119.19	8263.00972	-0.207985634	1.92E-05	0.000588388	Nbr1
ENSMUSG00000093924.1	1207.155253	-0.378524564	1.96E-05	0.000599533	RP23-331I21.2
ENSMUSG00000023883.13	6525.416339	0.228774756	1.97E-05	0.000600629	Phf10
ENSMUSG00000021477.9	14513.84218	0.195533353	2.01E-05	0.000612121	Ctsl
ENSMUSG00000037455.16	350.4522634	0.666023678	2.02E-05	0.00061364	Slc18b1
ENSMUSG00000051232.13	2954.635567	0.281458525	2.03E-05	0.000614776	Tmem199
ENSMUSG00000059835.1	11892.85405	0.198650891	2.03E-05	0.000615029	RP23-30H7.2
ENSMUSG00000040945.13	43834.13672	0.185534573	2.06E-05	0.00062226	Rcc2
ENSMUSG00000035623.14	4186.811722	-0.250143512	2.10E-05	0.000632447	Rsf1
ENSMUSG0000004568.12	3247.099982	0.264255303	2.15E-05	0.000646648	Arhgef18
ENSMUSG00000010663.4	17249.29513	0.181782255	2.20E-05	0.000661548	Fads1
ENSMUSG00000055660.8	738.8596356	-0.487784069	2.21E-05	0.000661548	Mettl4
ENSMUSG00000060090.16	1317.678379	-0.365005504	2.22E-05	0.000664425	Rp2
ENSMUSG0000005299.6	3198.909534	0.259005367	2.22E-05	0.000664522	Letm1
ENSMUSG00000027242.14	2328.853221	-0.296850094	2.27E-05	0.000677631	Wdr76
ENSMUSG00000059776.7	20747.6048	0.18710959	2.35E-05	0.000697917	Rpl13-ps6
ENSMUSG00000074405.8	1560.751648	-0.439347432	2.38E-05	0.0007069	Zfp865
ENSMUSG00000064127.13	3804.25958	-0.27955058	2.41E-05	0.000714935	Med14

ENSMUSG00000029910.14	5226.355921	0.22368269	2.44E-05	0.000721758	Mad2l1
ENSMUSG000000063531.7	2094.782784	-0.305348498	2.46E-05	0.000725477	Sema3e
ENSMUSG000000021413.9	8119.513878	-0.23026085	2.49E-05	0.000734101	Prpf4b
ENSMUSG000000060373.15	16056.38171	-0.174911994	2.51E-05	0.000738476	Hnrmpc
ENSMUSG000000029559.15	1621.169086	0.340189908	2.53E-05	0.000743222	RP24-297N9.8
ENSMUSG000000026020.9	13636.21726	0.185893948	2.59E-05	0.000758411	Nop58
ENSMUSG000000053897.15	9974.339675	-0.215168065	2.61E-05	0.000762073	Slc39a8
ENSMUSG000000040459.11	9454.640602	0.198325507	2.63E-05	0.000766145	Arglu1
ENSMUSG000000047193.16	1999.821808	-0.310712406	2.66E-05	0.000773527	Dync2h1
ENSMUSG000000026944.18	1777.403181	-0.328104945	2.67E-05	0.000775563	Abca2
ENSMUSG000000042751.14	2769.474379	-0.268630041	2.70E-05	0.000783637	Nmnat2
ENSMUSG000000103047.1	188.1072744	-0.905229259	2.73E-05	0.00079167	RP24-367P22.1
ENSMUSG000000035181.6	2931.650443	-0.278704062	2.78E-05	0.000802758	Heatr5a
ENSMUSG000000026558.13	12767.87249	0.19264769	2.83E-05	0.000815584	Uck2
ENSMUSG000000031245.8	13153.2669	-0.18272789	2.83E-05	0.000815584	Hmgn5
ENSMUSG000000039735.15	4258.673665	-0.233773098	2.86E-05	0.000822602	Fnbp1l
ENSMUSG000000024817.13	3229.73342	-0.269318808	2.89E-05	0.000828715	Uhrf2
ENSMUSG000000008348.9	59974.04959	-0.162576639	2.95E-05	0.000841431	Ubc
ENSMUSG000000027202.12	130.4721448	1.061812041	2.95E-05	0.000841431	Slc12a1
ENSMUSG000000027770.5	5324.312074	-0.220328113	2.95E-05	0.000841431	Dhx36
ENSMUSG000000116812.1	575.4235198	-0.569965314	2.99E-05	0.000851203	RP23-353E16.4
ENSMUSG000000018068.13	4723.506042	-0.246895587	3.01E-05	0.000856356	Ints2
ENSMUSG000000007850.16	29537.52148	-0.173373797	3.06E-05	0.000867276	Hnrmp1
ENSMUSG000000039041.15	5734.046548	0.226499149	3.06E-05	0.000867276	Adrm1
ENSMUSG000000112145.1	9606.668358	0.202013749	3.10E-05	0.000876716	RP24-142I9.2
ENSMUSG000000054999.2	184.5084409	0.898759006	3.12E-05	0.00087907	Naalad1
ENSMUSG000000033634.7	148.0684343	0.996113825	3.19E-05	0.00089648	Cml2
ENSMUSG000000037808.13	2640.337314	-0.289375387	3.18E-05	0.00089648	Fam76b
ENSMUSG0000000030588.12	3504.792118	0.246978159	3.25E-05	0.000910776	Yif1b
ENSMUSG000000018326.9	9407.206303	0.191259264	3.26E-05	0.000912635	Ywhab
ENSMUSG000000028412.17	3299.678592	-0.262729976	3.27E-05	0.000913248	Slc44a1
ENSMUSG000000030157.5	239.6506484	0.782941974	3.27E-05	0.000913248	Clec2d
ENSMUSG000000019841.15	2025.861186	-0.312619203	3.28E-05	0.000913955	Rev3l
ENSMUSG000000025665.16	8674.386932	-0.201341506	3.31E-05	0.000918442	Rps6ka6
ENSMUSG0000000056258.9	1292.509138	-0.35658712	3.30E-05	0.000918442	Kcnq3
ENSMUSG000000020021.4	1013.107321	-0.420324576	3.32E-05	0.000919835	Fgd6
ENSMUSG000000020691.13	2264.621351	-0.289764185	3.36E-05	0.000929615	Mettl2
ENSMUSG000000000568.15	15722.58115	0.171188631	3.39E-05	0.000932806	Hnrmpd
ENSMUSG000000041439.15	887.2405546	0.450693749	3.38E-05	0.000932806	Mfsd6
ENSMUSG0000000078773.11	1265.203882	-0.36969697	3.39E-05	0.000933224	Rad54b
ENSMUSG000000008763.16	4011.598975	-0.242783745	3.42E-05	0.000937276	Man1a2
ENSMUSG000000068036.14	12935.72675	-0.187537064	3.42E-05	0.000937276	Mllt4
ENSMUSG000000023032.12	2278.258757	0.285318512	3.51E-05	0.000960143	Slc4a8
ENSMUSG000000032507.15	265.8152737	0.767620984	3.56E-05	0.000972133	Fbxl2
ENSMUSG000000046691.13	4254.472156	-0.237211288	3.64E-05	0.00099101	Chtf8
ENSMUSG0000000023066.9	1043.513875	-0.405950563	3.66E-05	0.000997088	Rttt
ENSMUSG000000030201.15	12570.40543	-0.230545303	3.67E-05	0.000997656	Lrp6
ENSMUSG000000032009.8	6738.142139	-0.20240476	3.75E-05	0.00101634	Sesn3
ENSMUSG000000051391.9	12257.5751	-0.184028808	3.82E-05	0.001033502	Ywhag
ENSMUSG000000018846.8	6768.85304	-0.241702574	3.84E-05	0.001034364	Pank3
ENSMUSG0000000034906.15	2658.498099	-0.296304261	3.84E-05	0.001034364	Ncaph
ENSMUSG000000079056.12	574.4355827	0.512668742	3.84E-05	0.001034364	Kcnp3
ENSMUSG000000021819.11	2835.068936	0.299067125	3.88E-05	0.001043132	Zswim8
ENSMUSG0000000023953.8	679.7949563	-0.477201844	3.93E-05	0.001053708	Polh
ENSMUSG000000019777.16	7112.269656	-0.204188318	3.97E-05	0.001063728	Hdac2
ENSMUSG000000051695.6	14460.23962	-0.174808468	4.06E-05	0.001085346	Pcbp1
ENSMUSG0000000029034.9	4134.213648	-0.248806626	4.10E-05	0.001094794	Ints11
ENSMUSG000000031303.8	3279.207866	-0.255113171	4.14E-05	0.001101664	Map3k15
ENSMUSG000000061286.7	2402.281197	0.290927063	4.16E-05	0.001105126	Exosc5
ENSMUSG0000000076258.1	3468.913265	0.286124181	4.16E-05	0.001105126	Gm23935
ENSMUSG000000026663.6	2937.973865	0.259077427	4.26E-05	0.001129386	Atf6
ENSMUSG0000000020952.10	1297.49682	-0.356336432	4.30E-05	0.001133937	Scfd1
ENSMUSG000000040649.15	3288.518125	-0.271281153	4.30E-05	0.001133937	Rimk1b
ENSMUSG000000052854.15	2701.934028	-0.280182406	4.29E-05	0.001133937	Nrk
ENSMUSG000000021377.15	10198.35703	-0.205362873	4.33E-05	0.001136556	Dek
ENSMUSG000000029578.15	9055.003057	0.195309238	4.33E-05	0.001136556	Wipi2
ENSMUSG000000048668.16	2881.406415	-0.258158447	4.33E-05	0.001136556	Rhno1
ENSMUSG0000000022641.15	4845.034829	-0.238937966	4.35E-05	0.001138959	Bbx
ENSMUSG000000047248.20	1913.633051	-0.309227656	4.37E-05	0.001142963	C2cd3
ENSMUSG000000021748.9	7293.728771	0.201259131	4.43E-05	0.001155339	Pdhb
ENSMUSG000000039047.17	1773.052784	0.313858017	4.44E-05	0.001155339	Pigk
ENSMUSG000000106641.1	121.9971487	-1.145119338	4.52E-05	0.001175657	RP23-404J7.9
ENSMUSG0000000061755.10	7094.911344	-0.221411923	4.58E-05	0.001189701	Bod1l
ENSMUSG000000031320.9	45559.25351	0.165957021	4.64E-05	0.001200327	Rps4x

ENSMUSG00000034269.12	19069.94847	-0.170548133	4.64E-05	0.001200327	Setd5
ENSMUSG00000049878.13	2661.871216	-0.263695433	4.65E-05	0.001200327	Rlf
ENSMUSG00000017765.17	1719.930301	0.317755742	4.67E-05	0.00120359	Slc12a4
ENSMUSG00000001157.13	1167.517937	-0.382845306	4.69E-05	0.001206051	Gmdl1
ENSMUSG000000102869.2	8709.229241	-0.208149831	4.72E-05	0.001213664	RP24-114E18.8
ENSMUSG00000021823.10	13038.91362	-0.20113708	4.84E-05	0.001241173	Vcl
ENSMUSG000000038172.14	8671.987826	-0.218030046	4.85E-05	0.001242015	Ttc39b
ENSMUSG00000026434.12	17266.42869	-0.179774689	4.95E-05	0.001265796	Nucks1
ENSMUSG0000001555.10	2061.968853	0.290628725	4.99E-05	0.001273637	Fkbp10
ENSMUSG00000018570.17	273.1086586	-0.748272305	5.04E-05	0.001283646	RP23-172M21.16
ENSMUSG00000037492.16	295.5072883	0.693358047	5.11E-05	0.001300544	Zmat4
ENSMUSG00000007379.15	890.9870148	-0.439565901	5.22E-05	0.001326066	Dennd2c
ENSMUSG00000016503.16	622.454914	-0.480698002	5.28E-05	0.001339906	Gtf3a
ENSMUSG00000019132.11	4762.413324	-0.225456114	5.35E-05	0.001353654	RP23-92G13.4
ENSMUSG00000052713.8	3176.627605	-0.257272019	5.37E-05	0.001357557	Zfp608
ENSMUSG000000041992.9	1479.69299	-0.349257431	5.41E-05	0.001364509	Rapgef5
ENSMUSG00000028180.18	6147.490878	-0.206738373	5.49E-05	0.001383783	Zranb2
ENSMUSG000000052373.14	1403.855062	-0.34466634	5.51E-05	0.001385338	Mpp3
ENSMUSG00000046034.8	1204.337648	0.386059318	5.55E-05	0.001392659	Otulin
ENSMUSG00000028312.19	5250.660475	-0.235949597	5.60E-05	0.001403305	Smc2
ENSMUSG00000032042.11	5231.792379	-0.212377272	5.63E-05	0.001408603	Srpr
ENSMUSG00000028800.15	12602.43689	0.178025079	5.67E-05	0.00141713	Hdac1
ENSMUSG00000048644.8	480.3399216	-0.548816462	5.69E-05	0.001418271	Ctnx1
ENSMUSG000000009079.16	23568.02809	0.157609727	5.72E-05	0.001422589	Ewsr1
ENSMUSG00000047767.17	622.3547542	0.482829481	5.72E-05	0.001422589	Atg16l2
ENSMUSG00000025381.3	5284.503121	0.223990941	5.81E-05	0.001442106	Cnpy2
ENSMUSG00000004328.15	1795.043906	-0.309226188	5.95E-05	0.00147371	Hif3a
ENSMUSG00000001441.13	11371.87822	-0.193747161	5.98E-05	0.001479955	Npepps
ENSMUSG000000041075.8	5539.907932	-0.227001051	6.01E-05	0.001483987	Fzd7
ENSMUSG00000074748.3	3380.399444	-0.240739323	6.03E-05	0.001487653	Atxn7l3b
ENSMUSG00000048874.15	6038.854785	-0.204327327	6.12E-05	0.001506405	Phf3
ENSMUSG00000055373.8	1420.969415	-0.368694842	6.21E-05	0.001526842	Fut9
ENSMUSG00000031673.6	417.5796225	-0.586144111	6.42E-05	0.001575258	Cdh11
ENSMUSG00000028649.18	17980.96293	-0.182052897	6.49E-05	0.001589975	Macf1
ENSMUSG000000030180.15	6628.108246	-0.209563295	6.58E-05	0.001608593	Kdm5a
ENSMUSG00000040435.12	1464.955141	0.360485803	6.59E-05	0.001609607	Ppp1r15a
ENSMUSG00000072969.2	972.4647941	-0.386567713	6.64E-05	0.001617943	Armxc5
ENSMUSG00000035504.16	1399.837887	0.360294747	6.69E-05	0.001628785	Reep6
ENSMUSG00000016559.14	26496.79513	0.183233499	6.73E-05	0.001634981	H3f3b
ENSMUSG00000026628.13	921.446752	0.417523817	6.77E-05	0.001642501	Atf3
ENSMUSG00000024169.15	1076.018286	-0.406875311	6.83E-05	0.001652127	lft140
ENSMUSG00000033960.5	2111.300096	0.30754026	6.82E-05	0.001652127	Jcad
ENSMUSG00000036202.16	13509.84875	-0.189205396	6.89E-05	0.001661011	Rif1
ENSMUSG000000116560.1	640.734767	-0.549830033	6.88E-05	0.001661011	RP23-388K12.2
ENSMUSG00000054091.9	1657.779385	-0.312422923	6.93E-05	0.00166789	AC155158.1
ENSMUSG000000050917.5	1399.324232	0.375673084	6.96E-05	0.001673382	Fgf4
ENSMUSG00000037610.15	142.8713583	0.9629421	7.00E-05	0.00168055	Kcnmb2
ENSMUSG00000023236.7	620.612186	0.472203302	7.15E-05	0.001713242	Scg5
ENSMUSG00000007038.5	2797.63752	0.262773456	7.17E-05	0.001714002	Neu1
ENSMUSG00000039275.9	6648.268037	-0.198085612	7.18E-05	0.001714002	Foxk2
ENSMUSG00000041974.10	1057.095353	-0.375314533	7.20E-05	0.001717995	Spidr
ENSMUSG00000027326.13	2702.482056	-0.269016255	7.24E-05	0.001723779	Casc5
ENSMUSG00000039914.6	547.1318083	0.525033872	7.36E-05	0.001749762	Coq10a
ENSMUSG00000044927.6	1847.587104	0.359269686	7.43E-05	0.001764718	H1fx
ENSMUSG00000042626.13	4050.975658	-0.24082175	7.45E-05	0.001765499	Shc1
ENSMUSG00000042772.15	4764.338894	-0.21437208	7.65E-05	0.001810364	Smg7
ENSMUSG000000042742.7	1645.911951	-0.315271685	7.66E-05	0.001810372	RP23-343E20.2
ENSMUSG00000036435.13	1535.08665	-0.317381559	7.72E-05	0.00182029	Exoc1
ENSMUSG00000061111.8	2225.35771	0.288550954	7.82E-05	0.00184296	Fam195b
ENSMUSG00000032803.15	18854.37641	0.164980698	8.06E-05	0.001890184	Cdv3
ENSMUSG00000046675.7	588.8660437	0.484262499	8.04E-05	0.001890184	Tmem251
ENSMUSG000000061607.15	5980.895328	-0.201647446	8.06E-05	0.001890184	Mdc1
ENSMUSG00000005481.18	7879.953507	0.188535186	8.15E-05	0.001908432	Ddx39
ENSMUSG00000096917.2	312.3949811	-0.703833971	8.17E-05	0.001910402	RP24-445L16.3
ENSMUSG00000040624.17	1342.361162	-0.353025812	8.19E-05	0.00191091	Plekkg1
ENSMUSG00000028811.11	8486.485821	0.210714459	8.23E-05	0.001918317	Yars
ENSMUSG00000027894.14	156.3914625	0.967959366	8.29E-05	0.001928887	Slc6a17
ENSMUSG000000028051.10	623.6387908	-0.500847175	8.50E-05	0.001975096	Hcn3
ENSMUSG00000094526.1	1509.606799	-0.321748192	8.56E-05	0.001986012	RP23-103112.8
ENSMUSG00000037568.12	903.5582967	-0.40652806	8.60E-05	0.001991403	Vash2
ENSMUSG00000023809.10	5703.420475	0.226909976	8.75E-05	0.002021613	Rps6ka2
ENSMUSG00000069045.11	2848.522979	-0.25679734	8.76E-05	0.002021613	Ddx3y
ENSMUSG00000020721.16	8115.30066	-0.195512003	8.85E-05	0.002041126	Helz
ENSMUSG00000020359.13	1741.948244	0.346993119	8.90E-05	0.002048809	Phykp1

ENSMUSG00000026274.11	2264.475559	-0.299300554	9.10E-05	0.002090946	Pask
ENSMUSG00000066640.11	2586.758267	-0.267150447	9.20E-05	0.002112682	Fbxl18
ENSMUSG00000035486.14	316.6517575	-0.656927586	9.57E-05	0.002192435	Plk5
ENSMUSG00000001844.10	582.2703625	0.512225075	9.67E-05	0.002213428	Zdhhc4
ENSMUSG00000006423.15	1294.196691	-0.362845208	9.70E-05	0.002215393	RP23-28615.3
ENSMUSG00000029211.11	273.5410629	-0.692201652	9.86E-05	0.002249371	Gabra4
ENSMUSG00000021248.9	9499.601784	0.17772942	9.92E-05	0.002258699	Tmed10
ENSMUSG00000034543.14	6886.925048	0.217766206	9.97E-05	0.002266877	Morc2a
ENSMUSG00000026516.8	5821.926761	-0.199354211	0.000100817	0.002289839	Nvl
ENSMUSG00000034601.17	1435.40735	-0.322029989	0.000102353	0.002321269	RP24-354K18.1
ENSMUSG00000000740.12	45793.42025	0.166408118	0.000102657	0.002324714	Rpl13
ENSMUSG00000040570.14	1178.079102	-0.353038923	0.000102829	0.002325148	Rundc3b
ENSMUSG00000026880.11	1693.705326	0.306223377	0.000103167	0.002329354	Stom
ENSMUSG00000004945.15	1789.806328	0.29463011	0.000105682	0.002382615	Tmem242
ENSMUSG00000025969.15	381.7862705	-0.589273008	0.000106544	0.002398499	Nrp2
ENSMUSG000000081400.1	6699.92611	0.190268329	0.000108203	0.002432264	RP23-418P21.1
ENSMUSG00000003847.16	4450.605894	-0.23572947	0.000109067	0.002441191	Nfat5
ENSMUSG000000028140.13	2959.029153	0.249273821	0.00010908	0.002441191	Mrpl9
ENSMUSG000000071414.5	2763.421558	0.254370961	0.000109049	0.002441191	RP24-85L11.2
ENSMUSG00000056501.3	564.5337179	0.530684361	0.000109672	0.002450843	Cebpb
ENSMUSG00000089824.10	2035.874631	0.304134993	0.000109855	0.00245134	Rbm12
ENSMUSG00000034021.15	3989.126123	-0.227887731	0.000111729	0.002489513	Pds5b
ENSMUSG00000036873.13	866.4303973	0.406373572	0.000112476	0.002502511	AC123684.1
ENSMUSG00000020661.15	12222.52939	0.167457943	0.000113163	0.00251414	Dnmt3a
ENSMUSG00000020114.12	7059.15688	-0.187675161	0.000114217	0.002533863	Cand1
ENSMUSG00000005360.14	6034.773895	0.198981507	0.000114648	0.00253604	Slc1a3
ENSMUSG00000030683.11	296.8274695	0.652330522	0.000114634	0.00253604	Sez6l2
ENSMUSG00000012483.4	2552.974834	-0.256998231	0.000115935	0.002560794	Rpa3
ENSMUSG000000021840.17	7133.878559	-0.195077861	0.000118159	0.002606167	Mapk1ip11
ENSMUSG00000056531.11	658.1035294	-0.463412811	0.000119133	0.002621128	Ccdc18
ENSMUSG00000066441.14	8782.282229	-0.187937017	0.000119181	0.002621128	Rdh11
ENSMUSG00000001909.16	4746.155354	0.218653814	0.000119971	0.002630912	Trmt1
ENSMUSG000000038702.6	967.7273139	-0.379873148	0.000119877	0.002630912	Dsel
ENSMUSG00000020228.11	2315.537013	-0.277096226	0.000121854	0.002668369	Helb
ENSMUSG000000025485.13	1895.239514	0.297089335	0.000123444	0.002699326	Ric8
ENSMUSG00000041231.15	1993.704143	0.277773697	0.000124046	0.002708612	Ublcp1
ENSMUSG00000022672.8	2739.857821	-0.26421652	0.000125427	0.002734845	Prkdc
ENSMUSG00000042942.17	768.0871483	-0.447075971	0.000128762	0.002803558	Greb11
ENSMUSG00000013701.13	7005.589338	0.187124065	0.000129673	0.002807367	Timm23
ENSMUSG000000021958.5	662.849635	0.443033876	0.000129417	0.002807367	Pinx1
ENSMUSG00000022708.16	335.8920655	-0.611283337	0.000129138	0.002807367	Zbtb20
ENSMUSG00000060519.11	1838.026107	0.291112702	0.000129611	0.002807367	Tor3a
ENSMUSG000000003119.14	5004.654745	-0.234380897	0.000129895	0.0028082	Cdk12
ENSMUSG000000026429.9	1788.06929	-0.309830553	0.000131967	0.00284263	Ube2t
ENSMUSG00000033590.8	817.1320315	-0.418474956	0.000132046	0.00284263	Myo5c
ENSMUSG000000038486.9	1371.932837	0.330273863	0.000131678	0.00284263	Sv2a
ENSMUSG00000020843.15	1581.662474	0.303267024	0.000133492	0.0028697	Timm22
ENSMUSG00000102692.1	175.9422638	-0.831202591	0.000133893	0.002874284	Dchs2
ENSMUSG00000037336.14	94.41916989	1.144396147	0.000134734	0.002888266	Mfsd2b
ENSMUSG00000034731.0	657.7299655	-0.465952741	0.000137335	0.002939892	Dgkh
ENSMUSG00000017707.9	8268.581036	0.178111643	0.000137855	0.002946897	Serinc3
ENSMUSG00000017760.16	4280.232736	0.213670924	0.000139178	0.002962735	Ctsa
ENSMUSG00000047407.17	2688.699743	-0.247880569	0.000139075	0.002962735	Tgif1
ENSMUSG000000071855.4	517.1571652	-0.521676375	0.000139028	0.002962735	Ccdc112
ENSMUSG000000101249.1	165660.8033	0.170160403	0.000139995	0.002975969	RP23-8J15.1
ENSMUSG000000047187.9	5210.796691	0.201274265	0.000140516	0.002982891	Rab2a
ENSMUSG000000044934.13	1049.385125	-0.359391595	0.000142829	0.003027785	Zfp367
ENSMUSG00000030882.19	73.84729543	1.297027547	0.000143878	0.003045776	Dnhd1
ENSMUSG00000021706.14	1106.286781	-0.36924746	0.000144557	0.003055045	Zfyve16
ENSMUSG00000030341.17	1934.468638	0.281177148	0.000144916	0.003055045	Tnfrsf1a
ENSMUSG00000069833.12	754.136628	-0.429387415	0.000144735	0.003055045	Ahnak
ENSMUSG000000028809.16	17044.13887	-0.167946695	0.000146201	0.003077878	Srrm1
ENSMUSG00000029004.15	2343.839333	-0.263826405	0.00014701	0.003090654	Kmt2e
ENSMUSG00000040613.14	794.6172257	0.430269592	0.000148161	0.003110558	Apobec1
ENSMUSG00000009905.5	2195.733002	0.265748738	0.000148785	0.00311937	Kdsr
ENSMUSG00000044813.15	2523.231407	0.265602147	0.00014913	0.003122319	Shb
ENSMUSG00000026393.10	2029.758379	0.275077547	0.000151585	0.003169367	Nek7
ENSMUSG000000032412.8	8737.688561	0.183250541	0.000151958	0.003172834	Atp1b3
ENSMUSG00000028953.10	5878.687403	0.198624052	0.00015223	0.003174161	Abcf2
ENSMUSG00000069622.4	6140.028843	0.190803758	0.000152859	0.003182923	Gm10273
ENSMUSG000000092341.2	16880.12939	-0.490825629	0.000153194	0.003185554	Malat1
ENSMUSG00000022557.11	6378.905602	0.191320795	0.000158021	0.003281453	Bop1
ENSMUSG000000031591.14	6557.755849	0.193138538	0.000159177	0.003300985	Asah1
ENSMUSG00000078619.10	2981.288274	0.249691437	0.000160734	0.003328741	Smarcd2

ENSMUSG00000018858.15	2133.831011	0.282822157	0.000161341	0.003336785	Ict1
ENSMUSG000000032518.6	65460.09784	0.155791992	0.000162435	0.00334336	Rpsa
ENSMUSG00000039087.17	1941.068564	-0.274888404	0.000162535	0.00334336	Rreb1
ENSMUSG000000061983.7	38321.07261	0.180362881	0.000162256	0.00334336	Rps12
ENSMUSG000000110841.1	3720.580346	0.225020981	0.000162019	0.00334336	RP23-269H21.1
ENSMUSG000000038143.16	2093.053102	-0.269671901	0.000163681	0.003362405	Stox2
ENSMUSG000000025316.16	14111.173235	-0.319044786	0.000165785	0.003401042	Banp
ENSMUSG000000057522.15	5932.43276	0.200557328	0.000167058	0.003422549	Spop
ENSMUSG000000038774.9	1940.382821	-0.283000941	0.000170345	0.003480565	Ascc3
ENSMUSG000000107000.1	278.230444	-0.656930427	0.000170235	0.003480565	RP23-15K13.2
ENSMUSG000000002413.15	3909.935396	-0.244357648	0.00017412	0.003552925	Braf
ENSMUSG000000060038.14	1414.807657	0.311999056	0.000175311	0.003572464	Dhps
ENSMUSG000000018567.14	3395.580394	0.231973264	0.000177367	0.003604725	Gabrap
ENSMUSG000000029207.16	739.5022477	0.427763158	0.000177322	0.003604725	Apbb2
ENSMUSG000000021140.9	2700.733675	-0.242265549	0.00017854	0.003623752	Pcnx
ENSMUSG000000023495.13	10875.93184	0.185617134	0.000179969	0.003643068	Pcbp4
ENSMUSG000000031990.15	2669.03003	0.246497789	0.000179761	0.003643068	Jam3
ENSMUSG000000073016.3	406.5962547	-0.630697742	0.000181342	0.003661143	Uprt
ENSMUSG000000097900.1	2422.494675	-0.277492747	0.000181142	0.003661143	RP23-360N5.4
ENSMUSG000000021432.15	620.99415	0.469456596	0.000181877	0.00366557	Slc35b3
ENSMUSG000000052396.7	7691.18453	0.182058974	0.000182042	0.00366557	Mogat2
ENSMUSG000000037465.10	1888.330883	0.353088261	0.000183281	0.003681297	Klf10
ENSMUSG000000071369.11	1392.028781	-0.31792921	0.000183305	0.003681297	Map3k5
ENSMUSG000000032641.18	1546.794486	0.302174433	0.000184125	0.003692897	Gpr19
ENSMUSG000000093978.1	992.3255607	-0.359955438	0.00018443	0.003694174	RP23-331I21.14
ENSMUSG000000055485.6	719.2853893	-0.424606754	0.000185225	0.003705224	Soga1
ENSMUSG000000030842.12	3305.638508	0.236775228	0.000185612	0.003708105	Lamtor1
ENSMUSG000000105944.1	5332.920545	0.199564804	0.000185875	0.003708503	RP23-313F7.2
ENSMUSG000000020064.9	3145.739626	-0.234583142	0.000186546	0.003714435	Herc4
ENSMUSG000000055067.15	724.3170705	0.422740773	0.000186659	0.003714435	Smyd3
ENSMUSG000000029108.14	557.973119	-0.480724847	0.000187106	0.003718494	Pcdh7
ENSMUSG000000020823.16	4906.380903	0.1998013	0.000187979	0.003726129	Sec1411
ENSMUSG000000047714.14	6415.128739	0.184638339	0.000187964	0.003726129	Ppp1r2
ENSMUSG000000030609.18	2773.85014	0.253324327	0.000188291	0.003727473	Aen
ENSMUSG000000042650.3	9192.704502	-0.175358947	0.000191467	0.003785432	Alkbh5
ENSMUSG000000070526.2	167.3265244	-0.848806947	0.000192119	0.00379342	Peg12
ENSMUSG000000082087.4	2570.355843	0.246396641	0.000193681	0.003819314	RP23-382C18.5
ENSMUSG000000027171.10	608.8041941	-0.446585256	0.000194198	0.00382458	Prrg4
ENSMUSG000000086743.2	1315.038858	-0.340569818	0.000197404	0.003882706	Hnrnpa112-ps
ENSMUSG000000021240.6	1669.658898	-0.307768109	0.000199256	0.00391183	Abcd4
ENSMUSG000000068922.14	3248.915223	0.22768794	0.000199397	0.00391183	Msto1
ENSMUSG000000027379.13	8460.291393	-0.172571959	0.000200122	0.003921	Bub1
ENSMUSG000000040225.15	21334.61148	-0.195096057	0.000200958	0.003932339	Prrc2c
ENSMUSG000000069049.11	2632.599374	-0.243194153	0.000201602	0.003939892	Eif2s3y
ENSMUSG000000037089.10	1838.006671	0.286181835	0.000203843	0.003978587	Slc35b2
ENSMUSG000000033306.15	1332.199788	-0.34156027	0.000204814	0.003992434	Lpp
ENSMUSG000000039640.7	4489.72307	0.217749827	0.000206203	0.004014386	Mrpl12
ENSMUSG000000035696.15	2878.812447	-0.238090676	0.000207497	0.004034424	Rnf38
ENSMUSG000000022604.18	2815.915934	-0.241708701	0.000211033	0.004097963	Cep97
ENSMUSG000000032624.15	7179.951145	-0.185825528	0.000212167	0.004109533	Eml4
ENSMUSG000000042029.7	4580.118283	-0.205467222	0.000212042	0.004109533	Ncapg2
ENSMUSG000000018446.8	15899.22065	0.170352879	0.000213886	0.004121888	C1qbp
ENSMUSG000000031823.14	1514.490389	0.31234297	0.000213339	0.004121888	Zdhhc7
ENSMUSG000000042595.7	3919.326982	-0.226689706	0.000213838	0.004121888	Fam199x
ENSMUSG000000107278.1	197.4599828	0.792187157	0.000213449	0.004121888	RP24-478I22.8
ENSMUSG000000020534.14	7356.762625	-0.182941429	0.000214285	0.004124372	Shmt1
ENSMUSG0000000116858.1	530.3024574	-0.477609659	0.00021458	0.00412485	RP24-75N14.3
ENSMUSG000000040820.16	767.6908627	-0.399768982	0.000215519	0.0041377	Hlcs
ENSMUSG000000029026.16	428.6507646	0.521793709	0.000218325	0.004181051	Trp73
ENSMUSG0000000031007.2	4068.722939	0.213245691	0.000218281	0.004181051	Atp6ap2
ENSMUSG000000038174.14	831.9102766	-0.397860291	0.000219232	0.004193161	Fam126b
ENSMUSG0000000038121.6	2425.678647	-0.254627923	0.00022056	0.004202751	Fam210a
ENSMUSG000000038280.12	1632.993097	0.30373071	0.000220542	0.004202751	Ostm1
ENSMUSG000000103509.1	515.0660071	-0.528633096	0.000220277	0.004202751	WI1-817D1.2
ENSMUSG000000026848.14	3005.803599	-0.233130959	0.000222631	0.004226383	Tor1b
ENSMUSG000000042323.17	9965.424556	-0.179072547	0.000222465	0.004226383	Pbrm1
ENSMUSG000000057335.11	2160.094705	-0.294911467	0.000222092	0.004226383	Cep170
ENSMUSG000000036167.16	6769.159926	-0.213763014	0.000223702	0.00424144	Pphl1
ENSMUSG000000031488.14	3446.985211	-0.222912611	0.000224016	0.004242121	Rab11fip1
ENSMUSG000000040479.11	3127.297262	0.226736226	0.000224364	0.004243461	Dgkz
ENSMUSG000000098181.1	5115.423782	0.22112611	0.000225379	0.004257376	Rps12-ps24
ENSMUSG000000039842.15	1780.878786	-0.278998234	0.000227213	0.004276143	Mcph1
ENSMUSG000000040423.10	2504.199778	-0.268119592	0.000227021	0.004276143	Rc3h1
ENSMUSG000000070348.5	1111.975069	-0.344526746	0.000226815	0.004276143	Ccnd1

ENSMUSG00000026956.15	1019.937819	0.391583913	0.000228035	0.004286226	Uap111
ENSMUSG00000060240.12	102.5701663	1.0616775	0.00022831	0.004286226	Cend1
ENSMUSG00000038374.10	8129.024917	0.176435317	0.000228785	0.004289867	Rbm8a
ENSMUSG00000058240.14	1538.302036	0.315865503	0.000231385	0.00432798	Cryz11
ENSMUSG000000115457.1	11713.95651	0.166994429	0.000231182	0.00432798	RP23-71O17.3
ENSMUSG00000004748.5	1319.353575	0.314552769	0.000236484	0.004417934	Mtfp1
ENSMUSG000000033669.8	1844.59773	-0.275416757	0.000238304	0.0044465	Zfp7
ENSMUSG00000048967.16	204.0523608	0.772216487	0.000239227	0.004458266	Yjefn3
ENSMUSG00000037995.15	3137.505552	-0.231657096	0.000241804	0.0045008	Igsf9
ENSMUSG00000020407.13	2574.934139	-0.290528606	0.00024222	0.004502675	Upp1
ENSMUSG00000044475.14	1200.365175	0.336642482	0.000242877	0.004509766	Ascc1
ENSMUSG00000027778.15	1786.429496	-0.3079141	0.000245782	0.004558164	Ift80
ENSMUSG000000048410.16	1110.872197	-0.347417663	0.000246645	0.004568615	Zfp407
ENSMUSG00000073678.4	12931.81155	-0.217937283	0.000248045	0.004588978	Pgap1
ENSMUSG00000031641.14	582.6090253	-0.463074092	0.000249555	0.004611323	Cbr4
ENSMUSG000000037010.7	1203.876952	-0.357462084	0.000252757	0.004664856	Apln
ENSMUSG00000047022.18	340.7153482	-0.577270736	0.000254056	0.004677508	Mipol1
ENSMUSG00000072964.14	3515.870622	-0.219211324	0.000254024	0.004677508	Bhlhb9
ENSMUSG00000049313.8	2549.257491	-0.252778394	0.00025481	0.004685735	Sor1
ENSMUSG00000040250.14	4418.944618	-0.203632786	0.000257407	0.004727806	Ints13
ENSMUSG00000032058.14	8886.038748	0.18369932	0.000257736	0.004728155	Ppp2r1b
ENSMUSG00000027993.16	1802.7826	-0.324367702	0.00025811	0.004729332	Trim2
ENSMUSG00000085028.2	534.902118	0.518919908	0.000259026	0.004740419	Slc2a4rg-ps
ENSMUSG00000026447.16	580.2438102	-0.468040552	0.000259827	0.004749397	Pik3c2b
ENSMUSG00000030533.15	1499.648524	0.304323422	0.000262205	0.004781408	Unc45a
ENSMUSG00000031834.15	2557.358475	0.241015685	0.000262111	0.004781408	Pik3r2
ENSMUSG00000024442.5	2779.776104	0.242972789	0.00026716	0.004864355	0610009O20Rik
ENSMUSG00000031730.18	1586.264365	-0.288337762	0.000267391	0.004864355	Dhodh
ENSMUSG000000046324.12	4037.769099	0.225905944	0.000270235	0.004910236	Ermp1
ENSMUSG00000034342.9	6694.776784	-0.207748418	0.000271207	0.004922045	Cbl
ENSMUSG00000058297.16	3751.541243	-0.235191236	0.000272179	0.004933802	Spock2
ENSMUSG00000011158.8	1400.43176	0.318661087	0.000273184	0.004942139	Brf1
ENSMUSG00000027510.17	2450.013385	0.244322445	0.000273286	0.004942139	Rbm38
ENSMUSG00000033737.14	5094.904649	-0.196686352	0.000273731	0.004944325	Fndc3c1
ENSMUSG000000033054.7	2527.27795	-0.252712698	0.000275759	0.004975075	Npat
ENSMUSG00000029836.15	10710.89477	-0.162204142	0.000276282	0.004978613	Cbx3
ENSMUSG00000028693.15	27716.53498	-0.142434717	0.000280076	0.005041037	Nasp
ENSMUSG00000021281.15	773.6342305	0.405436125	0.000280708	0.005046457	Tnfaip2
ENSMUSG00000055675.6	287.727895	-0.661571269	0.000282367	0.005070312	Kbtbd11
ENSMUSG00000000901.17	1180.413501	0.326544363	0.000283057	0.005076735	Mmp11
ENSMUSG00000008682.13	48568.18313	0.149696126	0.000284607	0.005098547	Rpl10
ENSMUSG00000005873.5	2190.042432	0.269557092	0.000285392	0.005106616	Reep5
ENSMUSG00000029103.16	8247.282474	0.178151445	0.000286029	0.005112015	Lrpap1
ENSMUSG00000075595.9	5738.338825	-0.220707237	0.000287494	0.005132188	Zfp652
ENSMUSG00000026389.16	1659.218146	0.28196567	0.000289386	0.005153909	Steap3
ENSMUSG000000039579.15	108.3059377	-1.018634365	0.000289201	0.005153909	Grin3a
ENSMUSG00000020921.6	3418.987414	0.22513845	0.000289733	0.005154079	Tmem101
ENSMUSG00000021589.13	2474.920684	-0.249143325	0.000291324	0.005176347	Rhobtb3
ENSMUSG00000040681.15	20514.56947	0.150360483	0.000292428	0.005189918	Hmgn1
ENSMUSG00000032423.12	9019.828976	-0.177558741	0.000295429	0.005231136	Syncrip
ENSMUSG000000045294.11	2406.031209	-0.264226052	0.000295436	0.005231136	Insig1
ENSMUSG00000029381.16	3966.327527	-0.208391158	0.00029662	0.005239941	Shroom3
ENSMUSG00000075703.15	6623.819603	-0.177756288	0.000296497	0.005239941	Ept1
ENSMUSG000000062554.7	1359.975346	0.311570608	0.000297834	0.005255309	RP23-418K7.1
ENSMUSG00000032101.6	914.9207549	-0.39977757	0.000298377	0.005258805	Ddx25
ENSMUSG00000039431.16	1168.733021	-0.331206085	0.000299285	0.005268735	Mtmr7
ENSMUSG00000029598.12	3840.724224	0.207210752	0.000300246	0.005279561	Plbd2
ENSMUSG00000019256.17	492.4339571	-0.522429117	0.00030219	0.005307618	Ahr
ENSMUSG00000074865.11	1157.202651	-0.36057536	0.000303152	0.005318406	Zfp934
ENSMUSG00000039826.13	2271.759127	-0.253130523	0.000309505	0.005423615	Trub2
ENSMUSG00000020456.17	7770.656967	0.170579719	0.000311807	0.005432768	Ogdh
ENSMUSG000000030103.11	1826.770275	-0.353627102	0.000311179	0.005432768	Bhlhe40
ENSMUSG000000039704.7	4864.065019	-0.233917889	0.000311713	0.005432768	Lmbrd2
ENSMUSG00000094483.2	6911.63649	-0.196812045	0.00031041	0.005432768	Purb
ENSMUSG000000104344.1	119.6975269	-0.957394841	0.000310747	0.005432768	RP23-444I6.3
ENSMUSG00000047146.17	7078.632456	-0.215959698	0.000313659	0.00545881	Tet1
ENSMUSG00000062743.9	312.6944328	-0.596071426	0.000314306	0.005463835	Zfp677
ENSMUSG000000060487.7	350.6650799	-0.578412271	0.000315352	0.005475796	Samd5
ENSMUSG00000022119.15	2930.816019	-0.232778042	0.000319227	0.005530486	Rbm26
ENSMUSG00000028933.11	1164.193746	-0.33010098	0.000319145	0.005530486	Xrcc2
ENSMUSG00000026694.19	1778.124875	-0.294763216	0.000320162	0.005540395	Mettl13
ENSMUSG00000061273.3	1992.944905	-0.261799232	0.000324505	0.005609203	Mmgt1
ENSMUSG00000022865.14	4663.446784	-0.197851065	0.000327082	0.005640971	Cxad9
ENSMUSG00000028256.16	1094.379733	-0.33752132	0.000326724	0.005640971	Odf2l

ENSMUSG00000052934.14	1680.241961	0.299017692	0.000329879	0.005682775	Fbxo31
ENSMUSG00000040195.11	9653.793844	-0.165036737	0.000331533	0.00570483	Tmem194
ENSMUSG00000006599.13	2533.239208	0.239225541	0.000333778	0.005736993	Gtf2h1
ENSMUSG00000022961.18	12302.6666	-0.179776407	0.000334407	0.005741341	Son
ENSMUSG00000020708.12	8914.796518	0.164806426	0.000335114	0.005747013	Psmc5
ENSMUSG00000041842.15	296.9062337	-0.605354101	0.00033893	0.005805928	Fhdc1
ENSMUSG00000021611.9	822.0545384	-0.401485477	0.000342098	0.005853638	Tert
ENSMUSG00000039982.7	611.6818576	0.441118708	0.000347689	0.005942634	Dtx4
ENSMUSG00000061848.5	9134.612284	0.163606687	0.000354757	0.006056662	RP23-82K1.6
ENSMUSG00000027273.13	280.8965552	-0.622204937	0.00035634	0.006070105	Snap25
ENSMUSG00000032826.17	2865.546592	0.23220375	0.0003563	0.006070105	Ank2
ENSMUSG00000034341.17	8436.721719	0.180168444	0.000360122	0.006127695	Wbp2
ENSMUSG00000041408.18	7759.673802	-0.178638539	0.000364525	0.006195706	Wapl
ENSMUSG00000028883.17	652.7247141	-0.452409153	0.000365405	0.006203749	Sema3a
ENSMUSG00000028857.16	2156.708973	0.256637944	0.000366575	0.006216697	Tmem222
ENSMUSG00000028572.13	6905.265544	-0.186155766	0.000368845	0.006241335	Hook1
ENSMUSG00000040943.12	1216.909131	-0.314461031	0.000368693	0.006241335	Tet2
ENSMUSG000000102411.1	364.8527954	-0.547357716	0.000370212	0.006257523	RP23-461P14.1
ENSMUSG00000022043.19	3928.063884	0.212189316	0.000375076	0.006332734	Trim35
ENSMUSG00000058809.8	6613.474588	0.189357078	0.000376472	0.006349266	Hspd1-ps3
ENSMUSG00000029922.15	9467.673592	0.164950309	0.000380881	0.006416537	Mkrm1
ENSMUSG00000074887.4	294.7949043	-0.62781222	0.000381913	0.006426826	RP24-549E10.3
ENSMUSG00000032815.16	2798.897807	-0.225938701	0.000384445	0.006462317	Fanca
ENSMUSG00000012443.3	6067.770767	-0.183725064	0.000388387	0.006521392	Kif11
ENSMUSG00000076281.1	2134.025596	0.288142117	0.000389485	0.006532642	Gm24270
ENSMUSG00000019578.11	2056.322367	0.272375328	0.000392798	0.00658099	Ubxn6
ENSMUSG000000067038.5	8545.788408	0.191255108	0.000394482	0.006594722	Rps12-ps3
ENSMUSG00000074582.10	3023.625269	0.222779047	0.000394335	0.006594722	Arfgf2
ENSMUSG000000039599.16	1137.10867	-0.323826552	0.000399203	0.006659051	Fam149b
ENSMUSG00000041912.12	1342.939606	-0.305414245	0.000398864	0.006659051	Tdrkh
ENSMUSG00000046607.6	466.2379175	0.519297146	0.000400389	0.006671543	Hrk
ENSMUSG00000026667.14	3211.083989	-0.233108802	0.000404132	0.006716876	Uhmk1
ENSMUSG00000061048.8	1631.735803	-0.28743727	0.000403975	0.006716876	Cdh3
ENSMUSG00000092203.7	3166.379306	0.224379602	0.00040443	0.006716876	RP23-349B4.7
ENSMUSG000000026131.18	12843.7571	-0.186555071	0.000406149	0.00672348	Dst
ENSMUSG00000028614.14	8336.854198	0.168824138	0.000406102	0.00672348	Ndc1
ENSMUSG00000029413.14	545.4800286	0.463920188	0.000405814	0.00672348	Naaa
ENSMUSG00000014606.14	4668.772782	0.19788525	0.000409828	0.006777043	Slc25a11
ENSMUSG00000059070.16	51353.99215	0.159677221	0.000410964	0.006788467	Rpl18
ENSMUSG00000048379.9	1734.771038	-0.276525841	0.000415631	0.00685813	Socs4
ENSMUSG00000027395.15	3239.374317	-0.221582056	0.000419696	0.006912072	Polr1b
ENSMUSG00000032135.15	1155.171616	0.333668194	0.000419805	0.006912072	Mcam
ENSMUSG00000003534.17	3393.429617	-0.233527673	0.000420805	0.006921064	Ddr1
ENSMUSG00000002083.13	963.118797	0.350636737	0.000422252	0.00693738	Bbc3
ENSMUSG00000047084.8	1759.283229	0.269496536	0.000423188	0.006945291	Ngrn
ENSMUSG000000029436.9	689.2063092	-0.408984071	0.000423951	0.006950334	Mmp17
ENSMUSG000000096401.2	4190.814733	-0.210258182	0.000424969	0.006959543	RP23-276L18.1
ENSMUSG00000042357.2	162.592577	0.826274773	0.000425661	0.006963417	Gjb5
ENSMUSG00000024761.2	307.7906329	0.583131646	0.000429431	0.00701563	Gm16437
ENSMUSG000000063328.6	11550.96741	0.189311355	0.000429772	0.00701563	AC118620.3
ENSMUSG000000030924.16	397.0243706	-0.537688168	0.000431289	0.00702963	AC122423.2
ENSMUSG00000041685.16	2461.058347	-0.247038421	0.000431551	0.00702963	Fcho2
ENSMUSG00000040661.6	4618.366258	-0.200084512	0.000432301	0.007034341	Rad54l2
ENSMUSG00000005886.14	3439.597493	-0.212555363	0.000435254	0.007069932	Ncoa2
ENSMUSG00000025899.14	1458.839179	-0.291851113	0.000436341	0.007069932	Alkbh8
ENSMUSG00000037818.16	620.254192	-0.432715881	0.000436184	0.007069932	RP23-200C3.1
ENSMUSG00000047030.15	2022.346997	0.257127752	0.000435794	0.007069932	Spata2
ENSMUSG00000020305.13	620.4822401	-0.422465893	0.000437547	0.007081952	Asb3
ENSMUSG00000054889.10	777.6136439	-0.430863893	0.00043967	0.007108779	Dsp
ENSMUSG000000030347.6	773.7510216	0.388155558	0.000441076	0.007122944	RP23-222G22.7
ENSMUSG000000037474.13	3830.001002	-0.211996805	0.00044148	0.007122944	Dtl
ENSMUSG000000031214.13	3313.724417	0.215896597	0.000443058	0.007140854	Ophn1
ENSMUSG000000074136.9	114.8757817	-0.963943923	0.000454765	0.007321805	AC127300.3
ENSMUSG00000022016.16	2531.743061	-0.241066995	0.000457206	0.00735336	Akap11
ENSMUSG00000013622.15	1315.944787	0.317670952	0.000459206	0.007377707	Atraid
ENSMUSG000000115483.1	174.9496382	0.772201773	0.000459687	0.007377707	RP24-63B17.4
ENSMUSG00000025872.5	3724.137504	-0.205702304	0.000460913	0.007381858	Thoc3
ENSMUSG000000028832.11	30115.6619	0.138862222	0.000460589	0.007381858	Stmn1
ENSMUSG00000021728.8	11357.5011	-0.155795195	0.000461993	0.007391402	Emb
ENSMUSG00000037012.18	2304.894056	0.242201544	0.000462561	0.007392739	Hk1
ENSMUSG00000018661.17	1715.292588	0.269158494	0.000463628	0.007402044	Cog1
ENSMUSG000000069682.6	17916.4465	0.180054176	0.000465869	0.007430055	RP23-460F17.1
ENSMUSG00000003031.14	5936.833318	-0.191792003	0.000468012	0.007455052	Cdkn1b
ENSMUSG00000031812.16	4354.417198	0.199841343	0.000468467	0.007455052	Map1lc3b

ENSMUSG00000083337.1	13713.049	0.165785603	0.000468902	0.007455052	RP23-85A17.3
ENSMUSG00000017929.13	2805.091659	0.244471476	0.000469506	0.007456892	B4galt5
ENSMUSG00000019370.10	13673.84901	0.147831378	0.000470876	0.007470871	Calm3
ENSMUSG00000041133.11	15082.6154	-0.145919097	0.000472806	0.007485937	Smc1a
ENSMUSG00000059486.11	3357.042264	-0.218586459	0.000472785	0.007485937	Kbtbd2
ENSMUSG00000032238.17	704.3914743	-0.405500492	0.000474238	0.007493062	Rora
ENSMUSG000000089715.12	4092.369862	-0.215503469	0.000474067	0.007493062	Cxb6
ENSMUSG00000019659.8	1684.543741	0.274197575	0.00047599	0.007512958	Ccdc12
ENSMUSG00000006567.11	1271.448512	-0.302119553	0.000479119	0.007554546	Atp7b
ENSMUSG000000068220.6	2331.198572	0.243588068	0.000481567	0.007585297	Lgals1
ENSMUSG00000031668.14	1594.578113	-0.285264439	0.000482714	0.007595527	Eif2ak3
ENSMUSG000000080859.1	22905.4173	0.156390107	0.00048538	0.007629606	Rpl10-ps1
ENSMUSG000000055024.12	8428.073392	-0.167579106	0.000487797	0.007659716	Ep300
ENSMUSG000000050148.9	7301.469902	-0.167887226	0.000504359	0.007903526	Ubqln2
ENSMUSG00000078941.9	1005.744931	0.352150002	0.000504338	0.007903526	Ak6
ENSMUSG00000003528.15	5691.979348	0.188417464	0.000506505	0.00792088	Slc25a1
ENSMUSG00000024740.9	31950.358	-0.133922361	0.000506234	0.00792088	Ddb1
ENSMUSG000000024359.8	28013.41527	0.145598473	0.00050858	0.007945192	Hspa9
ENSMUSG00000052299.9	2898.041843	-0.227210968	0.000512116	0.007992257	Ltn1
ENSMUSG00000041329.13	2733.919606	0.231437319	0.000516121	0.008046538	Atp1b2
ENSMUSG00000001424.14	10018.41318	0.159167325	0.000518301	0.00807227	Snd1
ENSMUSG00000028023.16	2984.400012	-0.22468419	0.000520681	0.008087428	Pitx2
ENSMUSG00000030189.15	20291.73931	0.149931438	0.000520864	0.008087428	Ybx3
ENSMUSG00000031967.15	4534.71261	-0.202089766	0.000520767	0.008087428	Afg31
ENSMUSG00000024383.8	1167.987704	-0.327303342	0.000522512	0.008096548	Map3k2
ENSMUSG00000048721.2	237.6881064	0.672711269	0.00052247	0.008096548	Fndc9
ENSMUSG00000022554.7	1782.804832	0.275741316	0.000529736	0.008200157	Hgh1
ENSMUSG00000038122.9	671.654201	-0.427748136	0.00053208	0.008228108	Tbc1d32
ENSMUSG000000041164.15	6023.889174	0.178426805	0.000533039	0.008234594	Zmiz2
ENSMUSG00000056383.10	812.3356412	-0.36763172	0.000534306	0.008245811	RP24-269A16.1
ENSMUSG00000012126.16	164.2776332	-0.830175932	0.000543339	0.008363098	Ubxn11
ENSMUSG000000068663.14	1260.096796	0.303142813	0.000543549	0.008363098	Clec16a
ENSMUSG000000102976.6	749.3194492	-0.382476608	0.000542942	0.008363098	Zc3h11a
ENSMUSG00000041763.14	5141.732355	-0.184757541	0.000546571	0.008392665	Tpp2
ENSMUSG000000080840.1	426.1428949	-0.515823995	0.000546515	0.008392665	RP23-313I15.1
ENSMUSG000000097318.2	108.5490775	-0.955926401	0.000548038	0.008406734	RP23-155D8.5
ENSMUSG00000054226.13	2099.172739	0.253661342	0.000548949	0.008412253	Tprkb
ENSMUSG000000108084.1	196.5756171	0.712457152	0.000550762	0.008431575	RP24-315D19.10
ENSMUSG000000057497.8	3720.084589	0.199806502	0.000556227	0.00850671	Fam136a
ENSMUSG000000037580.10	923.7672489	0.353220624	0.000557293	0.008514479	Gch1
ENSMUSG00000035547.14	774.586925	0.372198966	0.000557866	0.008514711	Capn5
ENSMUSG00000026872.17	3805.874792	0.21865881	0.000559421	0.008529913	Zeb2
ENSMUSG000000034667.8	11093.71681	0.159350945	0.000566915	0.008635546	Xpot
ENSMUSG00000024999.7	2062.603964	-0.245783648	0.000567834	0.008640923	Noc3l
ENSMUSG00000029056.13	2163.104812	0.245917435	0.000572104	0.008688582	Pank4
ENSMUSG000000034371.8	754.8371233	-0.377689897	0.000571859	0.008688582	Tkfc
ENSMUSG00000064373.12	933.7725267	0.340995502	0.000574019	0.008708998	Sepp1
ENSMUSG00000081593.1	1310.377106	-0.303229023	0.000576655	0.008740302	RP24-215D6.2
ENSMUSG00000046432.12	17963.47684	0.160568946	0.000578177	0.008754683	Ngfrap1
ENSMUSG00000024498.15	9250.895317	-0.159354121	0.00057976	0.008769944	Tcerg1
ENSMUSG000000031928.15	2995.585162	-0.227120632	0.000580829	0.008777417	Mre11a
ENSMUSG00000040760.11	3134.961384	-0.22637057	0.00058154	0.008779465	Appl1
ENSMUSG00000028402.18	5196.68125	-0.201438703	0.000583327	0.008797741	Mpdz
ENSMUSG00000029455.14	5400.572766	0.184286876	0.0005852	0.008817278	Aldh2
ENSMUSG00000020818.16	1478.74933	0.288870727	0.000589477	0.008872965	Mfsd11
ENSMUSG00000031529.5	9097.630284	-0.181427413	0.000591218	0.008890398	Tnks
ENSMUSG000000035681.7	87.58722764	-1.083362022	0.000592468	0.008900432	Kcnc2
ENSMUSG00000028838.11	668.7445131	0.441258482	0.000594059	0.008914299	Extl1
ENSMUSG00000071226.11	7705.502248	-0.176634056	0.000594559	0.008914299	Cecr2
ENSMUSG000000073647.3	4928.781836	-0.195084345	0.000600349	0.008992273	Gm10557
ENSMUSG00000021112.9	2842.173746	-0.22487085	0.00060152	0.009000981	Mpp5
ENSMUSG000000111686.1	1113.909193	0.317996741	0.000604997	0.009044145	RP23-313P23.4
ENSMUSG00000004937.6	5278.420339	0.191316996	0.000611492	0.009132287	Sgta
ENSMUSG00000036104.12	2473.92888	0.234740234	0.000612271	0.009134987	Rab3gap1
ENSMUSG000000021676.9	4374.385668	-0.190727024	0.000615297	0.009171176	Iqgap2
ENSMUSG000000041966.18	2099.581893	-0.251401488	0.000616638	0.009182194	Dcaf17
ENSMUSG00000033157.17	991.4311177	0.347213629	0.0006206	0.009227088	Abhd10
ENSMUSG000000048351.14	1433.114686	0.284432816	0.000620862	0.009227088	Coa7
ENSMUSG00000020267.6	6910.495286	0.17721095	0.0006236	0.009258761	Hint1
ENSMUSG00000071793.12	7796.083472	-0.180002496	0.000625486	0.009277741	AC152164.1
ENSMUSG000000009733.9	996.5889181	0.337202173	0.000626665	0.009277824	Tfcp2
ENSMUSG000000029110.13	5061.843653	-0.192409222	0.000626707	0.009277824	Rnf4
ENSMUSG000000000759.14	2080.277124	-0.255091236	0.000627381	0.009278794	Tubgcp3
ENSMUSG00000019124.10	791.6497088	0.3678471	0.000628078	0.009280106	Scrn1

ENSMUSG00000021374.10	7258.270513	-0.186733198	0.000629456	0.00929147	Nup153
ENSMUSG00000032525.15	3839.401094	-0.219126468	0.000632683	0.009330086	Nktr
ENSMUSG00000032387.15	12193.24693	0.157439406	0.000637243	0.009385194	Rbpms2
ENSMUSG00000036904.5	318.6987898	-0.565693034	0.000638265	0.009385194	Fzd8
ENSMUSG000000042148.8	2221.116294	0.240489323	0.000637833	0.009385194	Cox10
ENSMUSG00000055202.10	699.2830761	-0.386264663	0.000639103	0.009388483	Zfp811
ENSMUSG00000006024.13	3177.730046	-0.233624863	0.000644514	0.009458859	Napa
ENSMUSG00000052516.19	100.1070309	-1.019167951	0.000650384	0.009535844	Robo2
ENSMUSG00000110424.1	65.60778987	-1.218716048	0.000651417	0.009541818	RP23-336M16.3
ENSMUSG00000024194.15	1647.513413	0.278038134	0.000655693	0.009595246	Cuta
ENSMUSG00000070733.13	2451.818964	-0.250262529	0.000656622	0.009599645	Fryl
ENSMUSG00000062380.4	1926.814279	0.252711383	0.000658365	0.009615909	Tubb3
ENSMUSG000000079402.9	509.3588518	-0.464584751	0.000662784	0.009671201	RP24-547N23.2
ENSMUSG00000038002.8	2288.163106	-0.234578147	0.000667135	0.009720065	Cramp1l
ENSMUSG00000109209.1	100.962922	0.98911538	0.000667407	0.009720065	RP23-229E19.4
ENSMUSG00000024410.14	2198.202361	0.246668862	0.000668937	0.009733069	AC102096.1
ENSMUSG00000100680.1	59.28579043	-1.282402171	0.000672032	0.009768786	RP23-190H11.5
ENSMUSG000000039835.16	2648.219293	-0.222882585	0.000677172	0.009824781	Nhsl1
ENSMUSG00000100204.1	678.6121832	0.388078491	0.000677153	0.009824781	RP24-119I6.5
ENSMUSG00000083863.1	35036.46923	0.143307607	0.000677843	0.009825184	RP23-407K8.4
ENSMUSG00000016541.10	4768.839996	0.187912253	0.000684683	0.009914913	Atxn10
ENSMUSG00000054099.11	1445.572099	-0.292901209	0.00068799	0.009953356	Slc25a40
ENSMUSG00000026604.17	2664.074421	-0.22819373	0.000689324	0.009963209	Pttn14
ENSMUSG000000032446.14	1376.676002	-0.292830317	0.000693596	0.010015481	Eomes
ENSMUSG00000020027.18	1218.388632	-0.298563147	0.000698227	0.010072819	Socs2
ENSMUSG00000028957.12	1669.34784	-0.266223592	0.000699691	0.010084411	Per3
ENSMUSG00000022295.8	2843.379622	0.215792821	0.000702504	0.010105862	Atp6v1c1
ENSMUSG00000032215.15	3504.234099	0.199951223	0.000702232	0.010105862	Rsl24d1
ENSMUSG000000026970.16	1600.585707	-0.275508094	0.000707535	0.010168657	Rbms1
ENSMUSG00000001542.7	2871.540045	-0.230418526	0.000709568	0.010178702	Ell2
ENSMUSG00000003282.9	1263.427301	-0.32963465	0.000709322	0.010178702	Plag1
ENSMUSG00000023277.13	843.0444898	0.353420333	0.00071155	0.010187982	Twf2
ENSMUSG000000083716.4	18296.49194	0.162741735	0.000711106	0.010187982	RP23-177C20.5
ENSMUSG000000074108.1	6635.702176	0.167206889	0.000715569	0.010235927	Rpl10-ps2
ENSMUSG000000020680.15	15412.04819	0.149387956	0.00071696	0.010246217	Taf15
ENSMUSG00000037795.14	1872.289913	-0.29828033	0.000717852	0.010249375	N4bp2
ENSMUSG00000110679.1	21964.67819	0.15267436	0.000721092	0.010286012	RP23-98C9.8
ENSMUSG00000043510.12	252.1463855	-0.632402101	0.000722182	0.01029194	Hscb
ENSMUSG00000031953.2	2023.931522	-0.243665162	0.000729219	0.010372852	Tmem170
ENSMUSG000000074476.6	3092.655709	-0.230471141	0.000729078	0.010372852	Spc24
ENSMUSG000000039200.16	538.1606092	-0.437311277	0.000729972	0.010373888	Atf7ip2
ENSMUSG00000083477.2	2014.701136	0.252509424	0.000732593	0.010401452	AC103623.1
ENSMUSG000000098113.1	443.808009	0.52540615	0.000737226	0.010457513	RP24-76E2.5
ENSMUSG00000046753.10	1191.707605	-0.308198817	0.000739167	0.010475303	Ccdc66
ENSMUSG00000026867.18	4460.321498	-0.184537752	0.000741387	0.01048729	Gapvd1
ENSMUSG000000034317.14	3407.747488	-0.202509763	0.000741232	0.01048729	Trim59
ENSMUSG00000015451.16	157.4421811	-0.780600724	0.000744382	0.010519912	C4a
ENSMUSG00000027455.16	7310.476255	0.1630837	0.000748256	0.010564871	Nsfl1c
ENSMUSG000000025189.9	203.6232818	-0.732254218	0.000749951	0.010579018	Cnm1
ENSMUSG00000014907.10	2919.934156	-0.217326351	0.000762913	0.010751514	Naf1
ENSMUSG000000061062.4	6386.884476	0.169964961	0.000763588	0.010751514	Gm10093
ENSMUSG00000088609.1	1867.869709	0.300944438	0.000766615	0.010784186	Gm24187
ENSMUSG00000021733.10	9359.946396	-0.174111322	0.000768051	0.010794436	Slc4a7
ENSMUSG00000028370.7	79.54908282	-1.087791072	0.000769195	0.010800574	Pappa
ENSMUSG00000002014.12	2554.202154	0.228461893	0.000771604	0.010816816	Ssr4
ENSMUSG00000031370.12	3541.955239	-0.20817866	0.000771769	0.010816816	Zrsr2
ENSMUSG000000045055.5	16951.15391	0.148619678	0.000779492	0.010905022	RP23-438J1.5
ENSMUSG00000061665.6	4812.152653	-0.202593117	0.000778938	0.010905022	Cd2ap
ENSMUSG00000035878.13	452.6815865	-0.461733614	0.000780707	0.010912025	Hykk
ENSMUSG000000095403.8	3444.550323	-0.20912222	0.000782786	0.01093107	RP23-152N9.4
ENSMUSG00000024033.9	464.0491142	-0.47069848	0.000786089	0.010967163	Rsph1
ENSMUSG000000022812.14	4025.516252	-0.194099909	0.000787737	0.010980122	Gsk3b
ENSMUSG00000004207.14	18196.51194	0.156551687	0.000789507	0.010990438	Psap
ENSMUSG00000013089.15	13399.75031	0.153407595	0.000792078	0.010990438	Etv5
ENSMUSG00000039656.16	3566.582572	0.20586046	0.000790258	0.010990438	Rxrb
ENSMUSG00000041977.18	1468.394683	-0.282026115	0.000790972	0.010990438	Arhgef11
ENSMUSG00000072419.5	285.6441253	0.590943225	0.000791786	0.010990438	Dppa2
ENSMUSG000000039218.16	39213.27344	-0.14585484	0.000794973	0.011010592	Srrm2
ENSMUSG00000039943.16	849.7492192	-0.34672048	0.000794593	0.011010592	Plcb4
ENSMUSG00000022668.10	1104.369164	0.313680957	0.000796403	0.011020404	Gtppb8
ENSMUSG00000031343.13	433.7494222	-0.47315049	0.000797443	0.0110248	Gabra3
ENSMUSG00000019984.16	4136.258444	-0.188059212	0.00081714	0.011286885	Med23
ENSMUSG000000040618.7	9794.495333	0.202334806	0.000820499	0.011323028	Pck2
ENSMUSG00000074925.3	365.6096555	-0.564013473	0.000824299	0.011365204	Ptar1

ENSMUSG00000024483.18	4065.241497	-0.207741893	0.000828234	0.011409148	Ankhd1
ENSMUSG00000018931.3	2212.409565	0.24857831	0.000830012	0.011413043	Natd1
ENSMUSG00000019478.16	1811.281428	0.251051785	0.000829936	0.011413043	Rab4a
ENSMUSG00000026107.11	640.141954	-0.410435688	0.000831976	0.011429745	Nabp1
ENSMUSG00000045594.10	971.9660188	0.331584126	0.000836352	0.011479532	Glb1
ENSMUSG00000013663.7	9602.786517	-0.160113893	0.000840449	0.011525399	Pten
ENSMUSG00000032366.15	7787.068067	-0.168263094	0.000846055	0.011579655	Tpm1
ENSMUSG00000033379.13	5024.381585	0.195346821	0.000846681	0.011579655	Atp6v0b
ENSMUSG00000043003.14	129.3379264	-0.872068606	0.00084654	0.011579655	Rasef
ENSMUSG00000029648.13	1254.229049	-0.290887917	0.000849501	0.011607816	Flt1
ENSMUSG00000018286.6	15334.94375	0.144205856	0.000852437	0.011637514	Psmb6
ENSMUSG00000006345.10	236.149265	-0.673757849	0.000869952	0.011866021	Ggt1
ENSMUSG00000014470.4	753.8094244	0.391655841	0.000872218	0.011886302	Rnf166
ENSMUSG00000031139.15	551.5383766	0.420955986	0.000873018	0.011886599	Mcf2
ENSMUSG00000020919.11	997.8413357	-0.322114489	0.000876867	0.011928367	Stat5b
ENSMUSG00000038965.17	4742.122207	0.18308468	0.000882213	0.011990392	Ube2l3
ENSMUSG00000033068.16	3202.675912	0.204454927	0.000886147	0.012022458	Entpd6
ENSMUSG000000036073.17	1468.118698	0.283038116	0.000885949	0.012022458	Galt
ENSMUSG00000020264.5	207.9116202	0.670156018	0.000888336	0.01204145	Slc36a2
ENSMUSG00000018401.17	2737.480981	-0.221234063	0.00089332	0.01208754	Mttr4
ENSMUSG00000024665.7	13793.22101	-0.143193054	0.000892705	0.01208754	Fads2
ENSMUSG00000030934.9	3185.585018	0.217993504	0.000894839	0.012096865	Oat
ENSMUSG00000039831.16	2396.307339	-0.224146734	0.000895594	0.012096865	Arhgap29
ENSMUSG000000032754.14	1594.532741	0.261686922	0.000899476	0.012138548	Slc8b1
ENSMUSG00000038508.7	63.07094822	1.235801759	0.000903769	0.012185717	Gdf15
ENSMUSG00000000378.15	1522.798088	-0.275321375	0.00090626	0.012208512	Ccm2
ENSMUSG000000096488.1	503.144108	-0.458413126	0.000907765	0.012218007	RP23-401J21.2
ENSMUSG00000042870.15	2064.218031	0.250929607	0.000912962	0.012277124	Tom1
ENSMUSG000000026766.16	2805.276537	0.22196916	0.000915772	0.012282455	Mmadhc
ENSMUSG00000027649.15	3559.830679	0.194686781	0.000915144	0.012282455	Ctnnb1
ENSMUSG00000061950.17	3961.263871	0.189960925	0.000915771	0.012282455	Ppp4r1
ENSMUSG00000029478.16	6672.224713	0.188956969	0.000917818	0.012299082	Ncor2
ENSMUSG00000031558.15	754.0424905	-0.374380944	0.000924091	0.012372283	Slit2
ENSMUSG00000058006.12	14020.01407	-0.17152587	0.000927228	0.012403397	Mdn1
ENSMUSG000000062054.7	1047.434682	0.323849117	0.000935916	0.012508651	Iah1
ENSMUSG00000034621.14	5014.556262	-0.181842758	0.000945322	0.012623316	Gpatch8
ENSMUSG00000033149.17	752.545146	-0.371935157	0.000948851	0.012659363	Phldb2
ENSMUSG00000001285.12	2105.075193	0.233935385	0.000953415	0.012709149	Myg1
ENSMUSG00000019775.17	710.441746	-0.378778928	0.000955581	0.012726901	Rgs17
ENSMUSG000000072066.16	543.2449332	-0.42239721	0.000962566	0.012808761	RP23-26N21.1
ENSMUSG00000040204.6	6559.150541	-0.176110072	0.000965561	0.012837419	Pclaf
ENSMUSG00000087166.9	11887.65617	-0.154653037	0.000968617	0.012866843	L1td1
ENSMUSG00000072825.11	3360.337239	-0.19948246	0.000970722	0.012883588	Cep170b
ENSMUSG00000035024.16	4251.021084	-0.184538037	0.000973046	0.012903217	Ncapd3
ENSMUSG00000028669.15	3172.39174	0.212009774	0.000975885	0.012928232	Pithd1
ENSMUSG00000030168.13	15053.72516	0.138994831	0.000976627	0.012928232	Adipor2
ENSMUSG00000015697.14	5014.494782	-0.185286481	0.000977492	0.012928474	Setdb1
ENSMUSG00000028542.17	1273.934625	0.298118806	0.000984803	0.013013889	Slc6a9
ENSMUSG00000025477.14	1381.257649	0.292555472	0.000989258	0.013050164	Inpp5a
ENSMUSG00000079470.8	2541.120339	-0.237834495	0.000988749	0.013050164	Utp14b
ENSMUSG000000056209.7	3681.587966	-0.203354355	0.001001708	0.013202999	Npm3
ENSMUSG00000067860.11	4816.939312	-0.177611834	0.001007651	0.013269867	Zic3
ENSMUSG00000015377.10	1562.998342	0.29522184	0.001013687	0.013337855	Dennd6b
ENSMUSG00000040722.7	2133.733828	0.231923246	0.001014751	0.013340353	Scamp5
ENSMUSG00000085208.3	2752.874682	-0.210490248	0.001017523	0.013365277	Brip1os
ENSMUSG00000097391.8	969.7405152	0.330879791	0.001019801	0.013383689	Mirg
ENSMUSG00000045205.16	2072.278207	-0.243577221	0.001022621	0.013409164	Dpy19l4
ENSMUSG0000002984.17	7421.017805	0.167247982	0.00103027	0.013497867	Tomm40
ENSMUSG00000026185.8	242.1725482	-0.651127299	0.001035379	0.013553166	Igfbp5
ENSMUSG00000018698.15	230.2038292	-0.65529293	0.00103847	0.013581984	Lhx1
ENSMUSG00000061232.15	5995.783617	0.175630299	0.001039712	0.013586573	H2-K1
ENSMUSG000000053094.15	4399.681326	0.185913694	0.001042245	0.013596762	Tmem248
ENSMUSG00000056758.14	3909.597032	-0.192834549	0.001042273	0.013596762	Hmga2
ENSMUSG00000020451.17	3489.567001	0.223732144	0.00105214	0.013713766	Limk2
ENSMUSG00000007036.15	907.5058363	0.342334417	0.001056971	0.013753244	Abhd16a
ENSMUSG00000028756.12	1485.483224	0.268791678	0.001056302	0.013753244	Pink1
ENSMUSG00000035614.11	1731.531761	-0.259953414	0.001059977	0.013780605	Fam179b
ENSMUSG00000005893.14	2396.13192	-0.245953789	0.001063954	0.013820537	Nr2c2
ENSMUSG00000024294.13	7218.109062	-0.171477655	0.001069649	0.013859133	Mib1
ENSMUSG00000028212.16	748.016573	-0.377540839	0.001069125	0.013859133	Ccne2
ENSMUSG00000031095.15	5701.073877	-0.177311736	0.001068466	0.013859133	Cul4b
ENSMUSG00000029695.13	2066.625628	0.262484507	0.001074317	0.013896021	Aass
ENSMUSG00000031776.17	2209.121363	0.227286857	0.001074138	0.013896021	Arl2bp
ENSMUSG00000003402.14	10585.71818	0.152761329	0.001076245	0.013909166	Prkcsh

ENSMUSG00000040415.15	4841.877277	0.205560535	0.001077954	0.013919463	Dtx3
ENSMUSG00000062327.10	3205.958966	-0.250175871	0.001082478	0.013966072	T
ENSMUSG00000001280.13	7383.219763	-0.162082157	0.001088618	0.014033429	Sp1
ENSMUSG00000004221.16	1113.193926	-0.302443382	0.001093516	0.014072791	lkbkg
ENSMUSG00000035048.13	807.3255384	-0.346579149	0.001093031	0.014072791	Anapc13
ENSMUSG00000015790.16	979.7041227	0.335811694	0.001095003	0.014080062	Surf1
ENSMUSG00000020496.9	11753.78666	0.150963486	0.001097985	0.01410652	Rnf187
ENSMUSG00000029434.12	1891.135336	0.243224994	0.001100661	0.014129011	Vps33a
ENSMUSG00000020657.16	1375.534498	0.274061097	0.001111869	0.014260883	Dnajc27
ENSMUSG00000044795.12	934.4862135	-0.326447441	0.001115963	0.014301384	Cyb5d1
ENSMUSG00000029169.11	11961.10615	-0.152720349	0.001123168	0.014381639	Dhx15
ENSMUSG00000018999.14	3020.219319	0.204383893	0.001126679	0.014414504	Slc35b4
ENSMUSG00000016257.15	2848.930193	0.211765124	0.001128005	0.01441938	Prelid3b
ENSMUSG00000070047.14	22556.42639	-0.172412919	0.001150501	0.014694636	Fat1
ENSMUSG00000036036.15	3006.925171	-0.217494359	0.001151716	0.014697859	Zfp57
ENSMUSG00000037692.14	1586.636225	-0.257650369	0.001156205	0.014737623	Ahdc1
ENSMUSG00000040650.8	1831.932329	0.251796163	0.001157471	0.014737623	Cyp2b23
ENSMUSG00000005538.7	587.8763401	-0.415473762	0.001157728	0.014737623	Zcchc24
ENSMUSG00000056895.4	241.6714775	0.614241912	0.001160515	0.014760789	Hist3h2ba
ENSMUSG00000039738.16	1167.411199	-0.304275882	0.001161606	0.014762364	Slx4
ENSMUSG00000024101.14	1754.278017	0.252873293	0.001162883	0.014766292	Washc1
ENSMUSG00000034023.16	5157.610537	-0.17587588	0.001173088	0.01488349	Fancd2
ENSMUSG00000052430.15	532.4748932	-0.427991323	0.001177956	0.014932847	Bmpr1b
ENSMUSG00000052301.14	552.4458951	0.415548391	0.001181227	0.014961887	Doc2a
ENSMUSG00000041849.7	85.33376365	1.0773016	0.001189406	0.015052991	Card6
ENSMUSG00000041650.15	964.3239498	0.321862378	0.001191973	0.015072973	Pcca
ENSMUSG00000002985.16	9463.918483	0.174311646	0.001193264	0.015076812	Apoe
ENSMUSG000000110393.2	281.5962314	-0.577534607	0.001210804	0.015285771	RP23-414P13.3
ENSMUSG000000021848.16	9912.908767	-0.148758877	0.00121217	0.015297058	Otx2
ENSMUSG00000060429.12	1139.632697	-0.293834992	0.001213758	0.015297764	Sntb1
ENSMUSG00000063884.6	5178.593915	0.179138081	0.001217798	0.015336021	Ptcd3
ENSMUSG00000034437.8	4614.451965	-0.185623158	0.001224056	0.015402111	RP23-453M11.1
ENSMUSG00000044864.16	2803.22835	-0.208929407	0.001244343	0.015644486	Ankrd50
ENSMUSG00000034610.14	3863.080303	-0.188948479	0.001254966	0.015765057	Zcchc11
ENSMUSG000000048142.9	669.3533193	0.378267628	0.001257804	0.015787718	Nat8l
ENSMUSG00000061904.12	18676.69364	0.131110893	0.001259002	0.015789773	Slc25a3
ENSMUSG00000030256.11	550.589095	-0.439946086	0.001262085	0.015815438	Bhlhe41
ENSMUSG00000001416.13	19584.14826	0.131535872	0.001269444	0.015882972	Cct3
ENSMUSG00000029815.12	756.264037	-0.357566649	0.001269556	0.015882972	Malsu1
ENSMUSG000000075229.11	2067.219917	-0.229906699	0.001273481	0.015919034	Ccdc58
ENSMUSG00000025132.13	26438.51912	0.125059447	0.001276869	0.015948328	Arhgdia
ENSMUSG00000018841.17	3106.126264	-0.199823453	0.001279908	0.015973213	Rad51d
ENSMUSG00000020424.3	1159.234042	-0.299216332	0.001285286	0.016014145	Gatsl3
ENSMUSG00000025323.10	1245.256502	-0.289388069	0.001284934	0.016014145	Sp4
ENSMUSG00000030203.17	2274.896152	-0.245454893	0.001302934	0.016220787	Dusp16
ENSMUSG000000090626.9	1078.109335	-0.329253782	0.001305078	0.016234235	Tex9
ENSMUSG00000058550.15	223.0057471	0.620844617	0.001309415	0.01627492	Dppa4
ENSMUSG00000020392.8	3818.75742	0.194542007	0.001315164	0.016333072	Cdkn2aipnl
ENSMUSG00000007827.10	2051.144749	-0.236358705	0.001321424	0.016384153	Ankrd26
ENSMUSG00000025503.5	9721.429041	0.15439122	0.001320939	0.016384153	Taldo1
ENSMUSG000000073147.3	535.3388834	-0.412108193	0.001328774	0.016461915	RP23-443N7.2
ENSMUSG00000020069.16	2994.38319	-0.209117583	0.001332749	0.016484403	Hnmph3
ENSMUSG00000047466.9	1650.65932	-0.262087049	0.001331707	0.016484403	8030462N17Rik
ENSMUSG00000029470.15	254.3769399	0.58716943	0.001342099	0.016568464	P2rx4
ENSMUSG00000041935.10	5595.726173	-0.178199681	0.001342802	0.016568464	RP23-372O9.2
ENSMUSG00000060126.14	26468.6599	0.138311036	0.001340743	0.016568464	Tpt1
ENSMUSG000000096188.1	6879.589211	-0.156868007	0.001348566	0.016626135	Cmtm4
ENSMUSG00000050229.3	2851.546566	-0.204614303	0.001360057	0.016754282	Pigm
ENSMUSG00000038564.11	1234.785743	-0.285113401	0.001366328	0.016817959	Ift172
ENSMUSG000000080885.1	21508.15797	0.147140849	0.001368023	0.016825256	Rpl10-ps6
ENSMUSG00000011662.1	91.71748749	-0.963408827	0.001383086	0.016996807	RP23-158E1.3
ENSMUSG000000014668.15	2194.605147	0.230730897	0.001390953	0.017079737	Chfr
ENSMUSG00000024188.15	6831.097793	-0.177739082	0.001398196	0.017154878	Luc7l
ENSMUSG00000032178.14	12068.6587	-0.146841415	0.001401378	0.017180111	Ilf3
ENSMUSG000000052825.6	6805.435709	0.15551845	0.001403161	0.017188164	RP23-122L19.1
ENSMUSG00000017264.16	4985.415136	0.172036169	0.001411162	0.017272305	Exosc10
ENSMUSG00000036197.16	4588.26699	-0.192510373	0.001415481	0.017311287	Gxylt1
ENSMUSG00000000308.14	82.00280479	-1.029237752	0.001427066	0.017438993	Ckmt1
ENSMUSG00000053198.13	431.5097806	0.449776846	0.001434275	0.017513069	Prx
ENSMUSG00000022529.11	1617.413116	0.255089802	0.001439199	0.017559142	Zfp263
ENSMUSG000000057286.6	276.2160648	-0.560803865	0.001449087	0.017665667	St6galnac2
ENSMUSG00000031431.13	3293.373269	0.214018038	0.001453139	0.017686807	Tsc22d3
ENSMUSG000000105879.1	8167.130665	0.150222163	0.001452406	0.017686807	RP24-291E8.2
ENSMUSG00000020918.14	7967.322084	0.161153469	0.001456542	0.017707888	Kat2a

ENSMUSG00000031939.16	6911.193357	-0.15978697	0.001457191	0.017707888	Taf1d
ENSMUSG00000053646.13	3460.325501	-0.189415232	0.001462297	0.017755798	Plxnb1
ENSMUSG00000020493.8	2065.472832	-0.2293367	0.001480443	0.017947579	Prr11
ENSMUSG00000053574.4	100.4487432	-0.92803022	0.001479578	0.017947579	RP23-207N15.6
ENSMUSG00000036523.16	1193.511279	-0.284771399	0.001485022	0.017988802	Greb1
ENSMUSG00000042439.12	2037.835893	-0.235151137	0.00148664	0.017994116	Zfp532
ENSMUSG00000039485.8	444.9102029	0.458130831	0.001491092	0.018033705	Tspy14
ENSMUSG00000042165.8	2585.363978	0.220125786	0.001497399	0.018095647	RP23-3914.9
ENSMUSG00000024456.16	8328.917422	-0.149392889	0.001498729	0.018097388	Diaph1
ENSMUSG00000047832.9	2346.224669	-0.218260534	0.001505433	0.018163972	Cdca4
ENSMUSG00000028646.16	1961.722719	0.234094591	0.001509247	0.018181239	Rragc
ENSMUSG00000067878.13	1222.697682	-0.285173904	0.001508066	0.018181239	Map7d3
ENSMUSG00000048310.8	512.5019212	-0.41354493	0.001516226	0.018250916	Pskh1
ENSMUSG00000026941.16	324.1526757	0.525223931	0.001522224	0.018296188	Mamdc4
ENSMUSG00000029819.6	2955.221231	0.234962048	0.001522385	0.018296188	Npy
ENSMUSG00000061079.14	1243.304862	-0.279907028	0.001525574	0.01832009	Zfp143
ENSMUSG0000004098.7	154.4022723	0.74734792	0.001528925	0.018331519	Col5a3
ENSMUSG00000011752.6	40959.39207	-0.134226002	0.001529866	0.018331519	Pgam1
ENSMUSG00000032966.14	12996.67612	0.134918353	0.00153133	0.018331519	Fkbp1a
ENSMUSG00000073557.11	669.9676527	-0.365790489	0.001530753	0.018331519	Ppp1r12b
ENSMUSG00000046603.16	324.3476475	-0.509347955	0.001542952	0.018456167	Tcaim
ENSMUSG00000010048.10	4096.838045	0.193426451	0.001559606	0.018626186	lfrd2
ENSMUSG00000062949.13	2149.745158	-0.23206672	0.001559	0.018626186	Atp11c
ENSMUSG00000017667.9	2051.151201	-0.239504949	0.001563425	0.018657197	Zfp334
ENSMUSG00000025509.15	1446.700504	0.269833392	0.001565705	0.018668917	Pnpla2
ENSMUSG00000032633.12	2886.378294	0.201841797	0.001568076	0.018668917	Ficn
ENSMUSG000000115602.1	523.7314301	0.410260682	0.001566955	0.018668917	RP24-388K7.2
ENSMUSG00000048878.6	1676.234091	0.24419023	0.001571806	0.018698734	Hexim1
ENSMUSG000000113015.1	987.2272502	-0.319636541	0.001574665	0.01871815	RP24-462E4.1
ENSMUSG00000006576.16	1490.152871	0.258963702	0.001578584	0.01875014	Slc4a3
ENSMUSG00000041560.12	9440.209598	0.163485915	0.001582345	0.018780199	Gltscr2
ENSMUSG00000028069.16	1799.440173	0.247650875	0.001592635	0.018887635	Gpatch4
ENSMUSG00000041571.9	1198.790207	0.292976408	0.001594234	0.018891916	Sepw1
ENSMUSG0000007892.8	47958.36958	0.139922442	0.001599754	0.018902706	Rplp1
ENSMUSG00000041649.13	1207.175421	-0.28240735	0.001597354	0.018902706	Klf8
ENSMUSG00000045394.8	10055.48204	-0.152970837	0.001599044	0.018902706	Epcam
ENSMUSG00000081640.1	5401.256984	0.165723365	0.001600098	0.018902706	Rplp0-ps1
ENSMUSG00000019539.11	5737.354503	-0.183372051	0.001603576	0.018929142	Rcn3
ENSMUSG00000037720.16	3362.268665	0.218774379	0.001607373	0.018959299	Tmem33
ENSMUSG00000022195.7	2750.89322	-0.214273807	0.001609441	0.018969032	RP23-354M9.1
ENSMUSG000000112650.1	1189.761892	-0.283998635	0.001621988	0.019102161	RP23-152I9.1
ENSMUSG00000050751.14	136.2463931	-0.78816066	0.001625549	0.019129346	Pgbd5
ENSMUSG00000038344.14	6274.712938	0.174531076	0.001627058	0.019132351	Txlng
ENSMUSG00000046721.11	13845.78513	0.149468114	0.001644826	0.01932639	Rpl14-ps1
ENSMUSG00000070934.6	2434.159546	-0.217380395	0.001648395	0.019353425	Rraga
ENSMUSG00000020198.8	5973.189474	0.15991869	0.001668597	0.019575557	Ap3d1
ENSMUSG00000019254.16	3315.745757	0.207248205	0.001680537	0.019700483	Ppp1r12c
ENSMUSG00000083246.1	1017.623227	-0.308896933	0.001693154	0.019833164	RP24-215D6.1
ENSMUSG00000024293.15	1111.176114	-0.290941187	0.001697554	0.019862631	Esco1
ENSMUSG00000061981.14	3558.317361	0.185823618	0.001698272	0.019862631	Flot2
ENSMUSG000000058443.5	24212.06919	0.144229267	0.001716953	0.020065734	RP23-68E4.3
ENSMUSG00000082016.3	18363.51697	-0.143452784	0.001721102	0.020098832	Pgam1-ps2
ENSMUSG00000038252.13	16425.29261	0.129430523	0.001723572	0.020112298	Ncapd2
ENSMUSG00000031026.15	344.609596	0.547372244	0.001736508	0.020247759	Trim66
ENSMUSG00000027323.10	3646.529315	-0.190177068	0.001745193	0.020333501	Rad51
ENSMUSG000000104222.1	3417.707694	-0.212006089	0.00175261	0.020404343	RP23-349K15.2
ENSMUSG00000028099.8	2866.399706	0.199334818	0.001758777	0.020444948	Polr3c
ENSMUSG00000029992.14	2462.670513	-0.215581069	0.001758206	0.020444948	Gfpt1
ENSMUSG00000000184.12	2289.001475	-0.244124552	0.001763304	0.020466389	Ccnd2
ENSMUSG00000018293.4	37365.07777	0.124473686	0.001762093	0.020466389	Pfn1
ENSMUSG00000081957.5	560.5657643	-0.407068833	0.001770546	0.020534839	Ak3l2-ps
ENSMUSG00000023259.16	447.2631881	0.456926794	0.001786302	0.020670453	Slc26a6
ENSMUSG00000052584.10	119.111125	0.851508439	0.001786211	0.020670453	Serp2
ENSMUSG00000094410.7	411.4815016	-0.474794831	0.001784854	0.020670453	RP24-200D3.4
ENSMUSG00000006276.10	3014.75109	0.205362591	0.001789441	0.020691086	Eps151
ENSMUSG00000046743.6	271.9151971	-0.626645702	0.001799648	0.020793354	Fat4
ENSMUSG00000034974.13	2077.049246	0.22178176	0.001809542	0.020891861	Dapk3
ENSMUSG00000036918.15	1154.747931	0.282629763	0.001814543	0.020933763	Ttc7
ENSMUSG00000024782.7	943.188561	0.314347504	0.001821783	0.021001413	Ak3
ENSMUSG00000025898.6	1680.932151	-0.259476774	0.00182815	0.02104303	Cwf19l2
ENSMUSG00000041949.6	1085.83517	0.332928036	0.001827358	0.02104303	Tango6
ENSMUSG00000020261.15	1335.274141	0.271505973	0.00183121	0.021062368	Slc36a1
ENSMUSG000000081120.1	1076.701677	-0.306805243	0.001856509	0.021337266	RP23-102112.1
ENSMUSG00000043857.16	1344.089802	-0.278622194	0.001863082	0.021380948	Mgat5b

ENSMUSG00000113625.1	17756.24651	0.142488993	0.001863111	0.021380948	RP24-122E10.1
ENSMUSG00000022791.17	2884.595295	0.204229094	0.001868933	0.021431652	Tnk2
ENSMUSG00000062456.3	9572.94878	0.143420146	0.001882986	0.021576591	Rpl9-ps6
ENSMUSG00000019359.14	85.74943146	-0.963995962	0.00188646	0.021587811	Gdpd2
ENSMUSG00000035235.13	512.4163474	0.424717122	0.001886794	0.021587811	Trim13
ENSMUSG00000070327.14	1295.446573	-0.29148732	0.001889734	0.021605253	Rnf1213
ENSMUSG00000059970.7	373.8556119	-0.470982335	0.001898484	0.021689042	Hspa2
ENSMUSG00000038533.15	2919.543023	-0.197638989	0.001902974	0.021714661	Cbfa2t2
ENSMUSG00000064329.13	433.8373428	-0.439218206	0.001904533	0.021714661	Scn1a
ENSMUSG000000113241.1	291.3056475	0.536796492	0.001904995	0.021714661	RP23-27311.1
ENSMUSG00000024287.7	4236.69655	0.176830002	0.001914554	0.021793685	Thoc1
ENSMUSG00000057649.6	1364.063432	0.264518483	0.001914783	0.021793685	Brd9
ENSMUSG00000052406.14	2431.081114	-0.222485591	0.001924334	0.021886077	Rex04
ENSMUSG00000068120.4	11273.30337	0.152403599	0.001932814	0.02196615	RP23-197G3.2
ENSMUSG00000046201.9	3716.611714	0.179306912	0.001948951	0.022069415	Scaf8
ENSMUSG00000048012.19	604.6137768	-0.381793398	0.00195012	0.022069415	Zfp473
ENSMUSG00000051255.5	3140.541229	0.191671917	0.001949061	0.022069415	Gm6563
ENSMUSG00000055235.11	198.6944882	-0.640046128	0.001950576	0.022069415	Wdr86
ENSMUSG00000068686.12	1198.959542	0.28574916	0.001950051	0.022069415	Cd59b
ENSMUSG000000113852.1	318.0042229	-0.512373145	0.001948274	0.022069415	RP24-68E20.11
ENSMUSG00000063800.5	2525.818642	-0.207047012	0.001959801	0.022150931	Prpf38a
ENSMUSG00000066705.7	2520.734192	0.227282735	0.001960683	0.022150931	Fxyd6
ENSMUSG00000028080.16	1114.776604	-0.293995329	0.001964507	0.022161321	Lrba
ENSMUSG00000011063.1	511.1511307	0.411425686	0.001963243	0.022161321	RP23-438P19.11
ENSMUSG00000026223.15	5686.870814	0.167132234	0.001977434	0.022257796	Itn2c
ENSMUSG00000031157.10	2231.201815	0.216549074	0.001975448	0.022257796	Pqbp1
ENSMUSG00000034940.15	1679.137416	-0.240182286	0.001976279	0.022257796	Synrg
ENSMUSG00000025592.17	106.1199794	-0.866172671	0.001981586	0.022288102	Dach2
ENSMUSG00000027598.16	5118.842592	-0.17684102	0.001985112	0.022299354	Itch
ENSMUSG00000095362.7	1204.214996	-0.273471264	0.001985509	0.022299354	RP23-275N21.2
ENSMUSG00000078894.9	1236.617652	-0.27844502	0.00199473	0.022386439	RP23-83O23.5
ENSMUSG00000023011.8	173.2380479	0.70791383	0.002000172	0.022431027	Faim2
ENSMUSG00000032702.16	1574.22848	-0.253707619	0.002004195	0.022459636	Kank1
ENSMUSG00000042638.14	172.74056	0.706133553	0.002008989	0.022480355	Gucy2c
ENSMUSG00000078640.9	573.2713721	-0.385248775	0.002007608	0.022480355	RP23-57F11.1
ENSMUSG0000007891.16	8520.697465	0.169123599	0.002012043	0.022498032	Ctsd
ENSMUSG00000035236.17	1702.361861	-0.273849791	0.002026716	0.02262894	Scai
ENSMUSG00000096696.1	1319.69735	-0.275343381	0.002026034	0.02262894	Zfp960
ENSMUSG00000026159.13	4785.038818	-0.181746126	0.002029004	0.022637926	Agfg1
ENSMUSG00000018199.9	2959.650643	-0.207741464	0.00203269	0.022662493	Trove2
ENSMUSG00000046442.4	1206.509807	0.310267973	0.002036551	0.022688964	Ppm1e
ENSMUSG000000112683.1	870.3749113	0.315597901	0.002049856	0.022820532	RP23-360L4.4
ENSMUSG00000016534.15	2959.153374	0.201386957	0.002082345	0.023165325	Lamp2
ENSMUSG00000019960.8	2030.056809	0.230075186	0.002091519	0.023250438	Dusp6
ENSMUSG00000097195.9	2812.572771	0.205831193	0.002098778	0.023314151	Shng5
ENSMUSG00000060904.14	3248.599684	0.187225105	0.002107996	0.023399523	Arl1
ENSMUSG00000025241.16	702.4135872	-0.348271731	0.002110343	0.023408554	Fyco1
ENSMUSG00000040717.6	9490.638832	-0.161488911	0.002126541	0.02357109	Il17rd
ENSMUSG00000056941.17	1031.927531	0.299367176	0.002128168	0.023572007	CommD7
ENSMUSG0000007603.8	2292.86045	0.22290488	0.002135661	0.023637846	Dus3l
ENSMUSG00000068165.3	3786.449851	0.177561709	0.002137978	0.023646344	RP23-48P22.4
ENSMUSG0000005973.6	7365.071242	0.150676025	0.002144837	0.023705033	Rcn1
ENSMUSG00000033088.19	4580.358741	-0.16917498	0.002147619	0.023718599	Triobp
ENSMUSG00000064354.1	172584.5891	0.117740085	0.002151557	0.023744911	mt-Co2
ENSMUSG000000102070.1	172823.9222	0.117703944	0.002154464	0.023759819	RP23-8J15.2
ENSMUSG00000006219.12	2421.602504	-0.223974524	0.002161116	0.023816453	Fblim1
ENSMUSG00000038240.13	480.616177	-0.425922105	0.002174948	0.023925407	Pdss2
ENSMUSG00000047443.14	774.2717816	0.333650537	0.00217575	0.023925407	Fam132b
ENSMUSG00000047676.6	31957.28421	0.145330579	0.002172855	0.023925407	Rpsa-ps10
ENSMUSG00000036932.14	3930.593184	0.177254397	0.002178606	0.023925637	Aifm1
ENSMUSG00000040782.12	3520.152969	0.186170417	0.002178906	0.023925637	Rfwd2
ENSMUSG00000063804.8	6029.061551	-0.173513657	0.002208712	0.02423549	Lin28b
ENSMUSG00000030879.10	2648.398042	0.200066035	0.002210863	0.024241665	Mrpl17
ENSMUSG00000040836.15	543.3465267	-0.391061453	0.002235678	0.024496164	Gpr161
ENSMUSG00000003135.15	2325.637455	0.214213229	0.002248835	0.024622642	Cnot11
ENSMUSG00000039887.11	563.1433962	0.379628548	0.002250991	0.024628584	Alg14
ENSMUSG00000054309.9	4500.143431	-0.16857138	0.002258953	0.024697995	Cpsf3
ENSMUSG00000047965.9	6774.636745	0.15875853	0.00226216	0.024715357	Rpl9-ps7
ENSMUSG00000036955.16	1102.794086	0.294237847	0.002287769	0.02495941	Kif1bp
ENSMUSG00000050627.13	3034.968887	0.195166579	0.002286676	0.02495941	Gpd1l
ENSMUSG00000030357.10	48692.84191	0.124008802	0.00229476	0.024983296	Fkbp4
ENSMUSG00000042496.18	1212.28676	-0.270948016	0.002294869	0.024983296	Prdm10
ENSMUSG00000078185.3	950.289913	-0.337032245	0.002293801	0.024983296	Chml
ENSMUSG00000040524.9	7020.683292	-0.165970646	0.002298294	0.02500275	Zfp609

ENSMUSG00000022365.6	5104.532731	0.163023122	0.002307211	0.025081882	Derl1
ENSMUSG00000025220.7	7434.092749	-0.155450399	0.002310639	0.025101271	Mgea5
ENSMUSG00000008604.11	8611.514302	0.142817788	0.002321153	0.025179647	Ubqln4
ENSMUSG00000031910.14	163.34363	-0.695143553	0.002320975	0.025179647	Has3
ENSMUSG00000019772.5	89.97613393	0.933112047	0.002326963	0.025203996	Vip
ENSMUSG00000029475.17	3682.694057	-0.18197877	0.002328352	0.025203996	Kdm2b
ENSMUSG000000064351.1	543861.7071	0.127705497	0.002325631	0.025203996	mt-Co1
ENSMUSG00000030091.17	14368.7243	0.134785373	0.00233604	0.025269301	Nup210
ENSMUSG00000042390.9	3884.910383	-0.180324953	0.002349972	0.025402001	Gatad2b
ENSMUSG000000081752.3	9061.963393	-0.139918674	0.002367423	0.025572525	RP23-160B4.1
ENSMUSG00000020256.14	760.8185958	0.351193569	0.002382359	0.025701879	Aldh1l2
ENSMUSG000000062526.3	176.9420583	-0.691594704	0.002382766	0.025701879	Mppe1
ENSMUSG000000029471.13	1170.240248	0.286909445	0.002385193	0.025709884	Camkk2
ENSMUSG00000020471.11	9253.533787	0.150906101	0.002414861	0.026011304	Pold2
ENSMUSG000000089803.3	3889.763983	0.173518829	0.002420138	0.026049767	AC074310.4
ENSMUSG00000046295.13	504.0672697	-0.396093456	0.002427576	0.026111413	Ankle1
ENSMUSG00000003873.11	3744.194471	0.174604869	0.002469356	0.026486139	Bax
ENSMUSG000000021953.14	650.5587605	0.353212744	0.002467005	0.026486139	Tdh
ENSMUSG000000034118.15	3563.207716	-0.18438438	0.002469015	0.026486139	Tpst1
ENSMUSG000000087362.7	473.1506406	-0.41533837	0.002468562	0.026486139	RP23-268P6.1
ENSMUSG00000046341.5	13077.56866	0.131486072	0.002482089	0.026604022	RP23-222K9.2
ENSMUSG00000027797.15	1677.802563	0.255413328	0.002485183	0.026618486	Dclk1
ENSMUSG00000033453.8	1293.683927	-0.270203159	0.002498754	0.026745081	Adamts15
ENSMUSG000000030615.12	1593.746464	0.259595424	0.002502653	0.026768045	Tmem126a
ENSMUSG00000004798.14	826.5659059	-0.324526406	0.002504538	0.026769444	Ulk2
ENSMUSG00000007564.15	15368.1041	0.126223968	0.002509995	0.026808993	Ppp2r1a
ENSMUSG00000040997.13	1813.173895	0.226095619	0.002523959	0.026939293	Abhd4
ENSMUSG000000025417.8	2306.709844	0.209144832	0.002527534	0.026958602	Pip4k2c
ENSMUSG000000025959.13	999.0298862	-0.289005149	0.002542971	0.027087721	Klf7
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ENSMUSG00000032827.15	2906.087507	-0.190598751	0.002551983	0.027162424	Ppp1r9a
ENSMUSG00000020706.13	11269.31977	0.134481883	0.00255732	0.027200259	Ftsj3
ENSMUSG000000087370.3	998.9571049	-0.304308497	0.002561946	0.027230484	Tmem170b
ENSMUSG000000062397.8	4709.453203	0.163929221	0.00256904	0.027286884	Zfp706
ENSMUSG000000067851.11	4358.847575	-0.169600046	0.002573828	0.027318733	Arfgef1
ENSMUSG00000020775.13	5272.802013	0.158853963	0.002582875	0.027395707	Mrpl38
ENSMUSG000000067161.6	1771.091121	0.232738831	0.002589918	0.027416108	RP23-28F1.1
ENSMUSG000000085843.1	95.79654684	0.896442412	0.002590187	0.027416108	Kank4os
ENSMUSG000000098090.7	540.4884063	-0.385868491	0.002586678	0.027416108	RP24-465N15.1
ENSMUSG000000106490.1	68.2792285	1.058671945	0.002595741	0.027455851	RP24-488I7.2
ENSMUSG000000092486.1	906.1784217	0.321680876	0.002599904	0.027480845	RP23-3M10.7
ENSMUSG00000023845.7	4385.347505	-0.19794011	0.002620732	0.027681827	Lnpep
ENSMUSG00000026260.12	3797.758626	0.185897766	0.002626529	0.027723869	Ndufa10
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ENSMUSG000000097815.1	228.3703385	-0.575732612	0.002638157	0.027820457	Gm2809
ENSMUSG000000029249.15	6300.136644	-0.163038163	0.002649432	0.027907719	Rest
ENSMUSG00000031976.14	2587.454726	-0.210826418	0.002653021	0.02792625	Urb2
ENSMUSG00000045106.12	194.8648068	0.646816779	0.002657609	0.027942138	Ccdc73
ENSMUSG000000097451.10	18239.50653	0.125853374	0.002658192	0.027942138	Rian
ENSMUSG000000024135.9	1732.563043	-0.230275154	0.002662777	0.027971075	Srbd1
ENSMUSG000000018322.10	2366.337286	0.205842144	0.002699817	0.028340647	Tomm34
ENSMUSG000000067106.6	2409.924345	0.216063143	0.002706661	0.028373467	RP24-302A24.2
ENSMUSG00000071477.10	681.5589662	0.34105313	0.002706636	0.028373467	Zfp777
ENSMUSG00000025964.15	1947.154552	0.2313849	0.00270965	0.028385305	Adam23
ENSMUSG00000021238.11	1121.766768	0.274690514	0.002719397	0.028467871	Aldh6a1
ENSMUSG00000001998.15	925.5967986	-0.303204788	0.002744557	0.028613507	Ap4e1
ENSMUSG000000022051.15	7480.240818	-0.147550284	0.002736902	0.028613507	Bnip3l
ENSMUSG00000028822.11	5967.368172	0.16238828	0.002738713	0.028613507	Tmem50a
ENSMUSG00000049502.17	603.0780752	-0.36087549	0.002743524	0.028613507	Dtx3l
ENSMUSG000000057751.14	2068.333698	0.226010307	0.002741279	0.028613507	Megf6
ENSMUSG000000074867.4	1223.669683	-0.289878848	0.002739345	0.028613507	Zfp808
ENSMUSG000000074746.2	5265.707758	-0.168565231	0.002748006	0.02862991	Pdzd8
ENSMUSG00000039954.8	297.5821015	-0.514015017	0.002753009	0.028662465	Stk32a
ENSMUSG000000052812.5	2151.334538	-0.221897739	0.002778295	0.028906014	Atad2b
ENSMUSG000000026171.12	1040.944855	0.291705624	0.002785717	0.028963486	Rnf25
ENSMUSG00000025876.15	1462.890329	0.255912333	0.002788903	0.02897687	Unc5a
ENSMUSG00000032897.17	2216.259008	0.207220841	0.002809554	0.029128474	Nfyc
ENSMUSG000000038828.13	2839.427239	0.193316533	0.002810109	0.029128474	Tmem214
ENSMUSG000000064357.1	137315.5174	0.122824165	0.00280565	0.029128474	mt-Atp6
ENSMUSG000000085936.7	2373.421839	0.205128447	0.002811128	0.029128474	RP23-143O13.1
ENSMUSG000000021704.8	1803.618008	0.237194466	0.00281739	0.029173554	Mtx3
ENSMUSG000000029304.14	867.0748469	0.314285679	0.002823108	0.029212947	Spp1
ENSMUSG000000053617.11	1679.085158	-0.23498073	0.002846768	0.029437819	Sh3pxd2a
ENSMUSG00000038398.8	1388.992252	-0.260828815	0.002864568	0.029601824	Upf3a

ENSMUSG00000038831.16	946.7250958	0.29400004	0.002870522	0.029623239	Ralgps1
ENSMUSG00000046785.8	2151.436958	-0.232919001	0.002869767	0.029623239	Epm2aip1
ENSMUSG00000025262.8	289.8200432	-0.535696134	0.00288652	0.02976821	Fam120c
ENSMUSG00000033436.13	10196.57803	0.134122492	0.002898456	0.029871129	Armcx2
ENSMUSG00000036377.18	600.6421015	-0.399352017	0.002900574	0.029872784	AC166328.1
ENSMUSG00000021255.17	69.22945966	1.059022207	0.002904562	0.029893678	Esrrb
ENSMUSG00000047434.14	3772.361801	0.173055495	0.002909376	0.029923049	Xyylt1
ENSMUSG0000001039.12	719.6478013	0.343785758	0.002913702	0.029947362	B9d1
ENSMUSG00000046727.12	420.6370788	0.42553773	0.002936392	0.030160263	Cystm1
ENSMUSG00000024535.15	433.1541678	0.42003999	0.002938673	0.030163394	Snx24
ENSMUSG00000051510.13	8673.467463	0.142257234	0.002944297	0.030200805	Mafg
ENSMUSG00000025555.14	412.6157286	0.432967845	0.002952988	0.030269618	Farp1
ENSMUSG00000036636.9	2208.743095	0.208373624	0.002960091	0.030283825	Clcn7
ENSMUSG00000037486.18	3529.575586	-0.189077331	0.002956504	0.030283825	Asxl2
ENSMUSG00000092260.7	130.3416295	0.771284131	0.002960327	0.030283825	Zfp963
ENSMUSG00000037242.8	14854.67165	0.130591423	0.002963179	0.030292698	Clic4
ENSMUSG00000000552.10	1034.098733	0.294750996	0.002975514	0.030398442	Zfp385a
ENSMUSG00000028048.11	1286.836208	0.281268263	0.002978131	0.030404826	Gba
ENSMUSG00000046598.15	1824.884942	0.224846777	0.00298511	0.030455709	Bdh1
ENSMUSG00000028333.10	25351.35122	0.128801412	0.003005923	0.030647566	Anp32b
ENSMUSG00000013076.17	2247.371753	-0.218724977	0.00301786	0.030707734	Amotl1
ENSMUSG00000018415.14	5537.714602	0.154146019	0.003017297	0.030707734	Gid4
ENSMUSG00000022503.10	1709.733063	0.233294747	0.003016019	0.030707734	Nubp1
ENSMUSG00000036768.6	3582.872505	-0.180195694	0.003037538	0.030818451	Kif15
ENSMUSG00000038650.15	5408.753766	0.171316082	0.003035296	0.030818451	Rnh1
ENSMUSG00000052369.8	601.8689249	-0.357267417	0.003033952	0.030818451	Tmem106c
ENSMUSG00000091418.2	532.325364	-0.390643315	0.003037954	0.030818451	RP24-218O5.2
ENSMUSG00000094989.1	8664.705258	0.143269433	0.003038837	0.030818451	Rpl9-ps4
ENSMUSG00000029283.17	2836.736338	-0.203153167	0.003046792	0.030878612	Cdc7
ENSMUSG00000042548.14	9053.553526	-0.135705264	0.003055107	0.030942336	Asxl1
ENSMUSG00000061313.8	1342.169548	0.255156696	0.003057963	0.030950718	Ddhd2
ENSMUSG00000041353.12	1031.911758	-0.280580563	0.003069107	0.031042934	Tmem29
ENSMUSG00000040044.11	3280.864184	0.17874767	0.00307215	0.03105313	Orc3
ENSMUSG00000028974.13	1492.703289	0.240063636	0.003074721	0.031058549	Dffa
ENSMUSG00000011044.4	646.3994598	-0.344437349	0.003081656	0.031108009	RP23-114B10.6
ENSMUSG00000025815.13	1242.49621	-0.263270974	0.003095459	0.031226693	Dhtkd1
ENSMUSG00000049969.3	2114.822071	-0.209117912	0.003100165	0.031253509	Plekhh2
ENSMUSG00000026751.14	2436.099552	0.213044432	0.003116649	0.031396867	Nr5a1
ENSMUSG00000031970.16	209.8468855	0.616964925	0.003118499	0.031396867	Dbndd1
ENSMUSG00000026456.18	3825.0508	0.179802459	0.003124658	0.031425769	Cyb5r1
ENSMUSG00000038056.15	2576.098155	-0.20295348	0.003125488	0.031425769	Kmt2c
ENSMUSG00000049882.9	1218.27149	0.267804722	0.003134375	0.031473662	Vcpkmt
ENSMUSG00000073406.10	1192.88411	0.265048194	0.003133362	0.031473662	H2-BI
ENSMUSG00000063576.11	6669.822477	0.154616273	0.003139834	0.031507747	Klhdc3
ENSMUSG00000024941.8	2292.663836	0.21487996	0.003152605	0.031615119	Scyl1
ENSMUSG00000003458.12	4244.164698	0.166248157	0.003162644	0.031674172	Ncstn
ENSMUSG00000047675.15	54174.07102	0.124512976	0.003161946	0.031674172	Rps8
ENSMUSG00000028496.17	743.7230115	-0.339487838	0.003182997	0.031857106	Mllt3
ENSMUSG00000037344.14	1625.679771	0.237406372	0.003187675	0.031883015	Slc12a9
ENSMUSG00000026812.16	2846.808672	-0.188103961	0.003199683	0.031975479	Tsc1
ENSMUSG00000038900.17	49674.63046	0.148121075	0.003201109	0.031975479	Rpl12
ENSMUSG00000027086.16	1194.539756	-0.261709006	0.003206593	0.031980865	Fastkd1
ENSMUSG00000038042.10	316.3742769	-0.505911812	0.003207935	0.031980865	Ptpdc1
ENSMUSG00000055491.13	5825.014997	-0.151043392	0.003206206	0.031980865	Pprc1
ENSMUSG00000027227.7	1561.683179	0.238708309	0.003233941	0.032218041	Sord
ENSMUSG00000037275.14	8590.565822	-0.147976569	0.003236599	0.032218041	Gemin5
ENSMUSG00000048304.8	175.2848354	-0.638346508	0.003238058	0.032218041	Slitrk3
ENSMUSG00000025857.10	1663.724853	-0.240611891	0.00324784	0.032294316	Dnaaf5
ENSMUSG00000041741.10	608.5247331	-0.360512776	0.003255315	0.032347576	Pde3a
ENSMUSG000000114147.7	575.2858766	-0.380422444	0.003265059	0.032423289	RP23-97J21.3
ENSMUSG00000037827.5	1244.42765	0.265407414	0.003273239	0.032483386	RP24-97D9.5
ENSMUSG000000106037.1	5678.254159	0.156555154	0.003275395	0.032483663	RP23-235E15.1
ENSMUSG00000040712.16	1901.914056	0.216819705	0.003281211	0.032516254	Camta2
ENSMUSG00000044452.10	1704.880039	-0.228339514	0.003285073	0.032516254	Zfp507
ENSMUSG00000046204.14	949.1243538	-0.292527869	0.003283661	0.032516254	Pnma2
ENSMUSG00000038520.15	2530.820377	0.218633179	0.003323315	0.03287347	Tbc1d17
ENSMUSG00000012422.14	3461.691256	0.186239985	0.003325594	0.032874707	Tmem167
ENSMUSG000000021518.4	1943.895089	0.234687785	0.003332719	0.032923811	Ptdss1
ENSMUSG00000039105.6	3645.376385	0.191290918	0.003351644	0.033089354	Atp6v1g1
ENSMUSG00000025666.16	10072.28081	-0.13536249	0.003355927	0.033095085	Tmem47
ENSMUSG00000038860.15	683.77316	0.348146496	0.003356561	0.033095085	Garnl3
ENSMUSG00000050640.16	233.4781139	-0.554084441	0.003362132	0.03312861	Tmem150c
ENSMUSG00000044433.16	3175.18321	-0.181001567	0.003374967	0.033233628	Camsap3
ENSMUSG00000060657.8	3729.015194	-0.17554077	0.003389477	0.033354986	Marf1

ENSMUSG00000032308.9	1002.117503	0.308578431	0.003398164	0.033418927	Ulk3
ENSMUSG00000033335.17	2770.903489	0.189259439	0.003406324	0.033456921	Dnm2
ENSMUSG00000071528.3	3426.307199	-0.195279238	0.003406411	0.033456921	Usmg5
ENSMUSG00000045532.5	432.0148692	-0.427000308	0.003411499	0.033485342	C1ql1
ENSMUSG00000004319.15	11571.35069	-0.132941252	0.00341426	0.033490902	Cln3
ENSMUSG00000073876.3	240.1941523	0.553324627	0.003417276	0.033498957	Il11ra2
ENSMUSG00000053550.13	633.0783208	-0.348603975	0.00344421	0.033741324	Shisa7
ENSMUSG00000032394.6	1278.45146	0.261990969	0.003460861	0.033882691	Igdcc3
ENSMUSG00000063659.11	1979.936528	0.213472746	0.003468972	0.033940334	Zbtb18
ENSMUSG00000042129.8	3581.762392	0.171369623	0.003473586	0.033963703	Rassf4
ENSMUSG00000022801.13	798.610136	-0.318688984	0.003476131	0.033966825	Lrch3
ENSMUSG00000024381.15	1793.288662	0.219890883	0.003484047	0.034022401	Bin1
ENSMUSG00000074505.5	1805.629081	-0.24082699	0.003488662	0.034045681	Fat3
ENSMUSG00000024104.11	5372.073604	0.161720264	0.003500007	0.034118529	Washc2
ENSMUSG00000035566.7	128.6937285	-0.762980817	0.003502833	0.034118529	Pcdh17
ENSMUSG000000107227.1	61.25510788	1.114347604	0.003502346	0.034118529	RP23-429E19.4
ENSMUSG00000022472.16	2328.976606	0.202941673	0.003530081	0.034254743	Desi1
ENSMUSG00000035443.10	2728.218966	0.18866492	0.003524284	0.034254743	Thyn1
ENSMUSG00000037364.12	10838.33708	0.132096739	0.00352645	0.034254743	Srrt
ENSMUSG00000038521.17	425.6553303	0.425052702	0.003530283	0.034254743	C1s1
ENSMUSG00000058290.4	7144.00942	-0.142981637	0.003527187	0.034254743	Esp1
ENSMUSG000000116908.1	221.3004258	-0.57851946	0.003530207	0.034254743	RP24-340J3.3
ENSMUSG00000028766.10	4246.534533	0.166911121	0.003549121	0.034398576	Alpl
ENSMUSG00000028952.12	830.3996082	0.317784337	0.003549614	0.034398576	Zbtb48
ENSMUSG00000019790.17	2612.184182	-0.192315359	0.003556334	0.034441829	Stxbp5
ENSMUSG00000020538.15	17269.49436	0.127445251	0.003568761	0.034540262	Sreb1
ENSMUSG00000038880.13	1060.485398	0.272303343	0.003574847	0.034577246	Mrps34
ENSMUSG00000022637.11	1897.96286	-0.229256596	0.003584486	0.034648522	Cblb
ENSMUSG00000025271.13	1020.089171	-0.277970897	0.003594927	0.034727452	Pfkfb1
ENSMUSG00000044708.5	180.1385536	0.627012062	0.003610632	0.034857099	Kcnj10
ENSMUSG00000073791.11	273.4399573	-0.514893542	0.003622484	0.034949414	Efcab7
ENSMUSG00000039844.19	5557.948092	0.149922459	0.003627696	0.034977587	Rapgef1
ENSMUSG00000067942.6	1581.491022	-0.245779151	0.003631421	0.034991403	Zfp160
ENSMUSG00000090935.10	1347.706594	-0.24541144	0.003637575	0.035028583	Synj2bp
ENSMUSG00000040687.16	870.6137357	0.30207722	0.003659965	0.035221971	Madd
ENSMUSG00000031447.7	12858.33608	0.137069031	0.003683651	0.035411293	Lamp1
ENSMUSG00000097448.1	255.6950906	0.533537148	0.003684278	0.035411293	Platr22
ENSMUSG00000008035.12	1783.033654	0.231069067	0.003689718	0.03544126	Mid1ip1
ENSMUSG00000034707.7	6112.359552	0.158083241	0.003698948	0.035485258	Gns
ENSMUSG00000060036.14	75199.98523	0.122835059	0.003698854	0.035485258	Rpl3
ENSMUSG00000038526.14	4235.303289	-0.165406815	0.003702501	0.03549703	Car14
ENSMUSG00000024012.17	5535.762743	0.153058329	0.003714224	0.035587068	Mtch1
ENSMUSG00000046352.7	599.0146992	0.354350299	0.003728411	0.035678977	Gjb2
ENSMUSG00000078427.3	4098.216242	0.164215336	0.003728492	0.035678977	Sarp
ENSMUSG00000037432.15	357.1760623	-0.45036361	0.003740854	0.03577485	Fer115
ENSMUSG000000102302.1	215.8213521	-0.592681755	0.003744184	0.035784273	RP23-187M7.5
ENSMUSG00000028931.11	169.3606068	0.65090109	0.003764674	0.035949464	Kcnab2
ENSMUSG00000083061.1	14030.63646	0.133458046	0.003766179	0.035949464	RP23-10G21.3
ENSMUSG00000022364.14	2251.482493	-0.226766017	0.003779953	0.036058393	Tbc1d31
ENSMUSG00000030978.10	8505.257767	-0.136147464	0.003786873	0.036079305	Rrm1
ENSMUSG00000041642.18	4287.365595	0.16893535	0.003786482	0.036079305	Kif21b
ENSMUSG00000025366.8	1710.610562	0.224138983	0.003801776	0.036198696	Esyt1
ENSMUSG00000028743.7	1362.664396	-0.258700164	0.003805521	0.036211758	Akr7a5
ENSMUSG00000013858.14	6870.036454	0.15513356	0.003817798	0.036283345	Tmem259
ENSMUSG00000087138.1	371.3919701	-0.46015965	0.003817014	0.036283345	AC155806.4
ENSMUSG00000039477.16	1246.622709	-0.267681054	0.003834382	0.036413687	Tnrc18
ENSMUSG00000046230.10	1542.278669	-0.250482516	0.003836284	0.036413687	Vps13a
ENSMUSG00000028430.14	5281.229084	0.154148925	0.0038389	0.036415863	Nol6
ENSMUSG00000088246.1	1428.658635	0.290200918	0.003841692	0.036419719	Gm25911
ENSMUSG00000068747.14	9814.422795	0.148955849	0.003845146	0.03642983	Sort1
ENSMUSG00000022175.9	3286.6701	0.178610662	0.003863641	0.036514396	Lrp10
ENSMUSG00000026950.17	110.5719483	-0.817436595	0.003858062	0.036514396	Neb
ENSMUSG00000043262.16	1740.64909	-0.22067198	0.003860267	0.036514396	Uevld
ENSMUSG00000057133.14	12623.90755	-0.150179623	0.003863292	0.036514396	Chd6
ENSMUSG00000085218.7	100.6799288	-0.838702844	0.003874762	0.036596836	RP23-300H23.1
ENSMUSG00000060510.14	4870.861118	-0.165390775	0.003915816	0.036959577	Zfp266
ENSMUSG000000100862.1	164666.3573	0.118161942	0.003918011	0.036959577	RP23-8J15.3
ENSMUSG00000033735.9	2464.184014	0.192548344	0.003926651	0.037018203	Spr
ENSMUSG00000029430.13	39551.47025	0.111472639	0.003934112	0.03706565	Ran
ENSMUSG00000081684.4	22500.97025	0.11678552	0.003938688	0.037085871	Rps2-ps13
ENSMUSG00000018470.8	522.9407582	-0.384823586	0.003958891	0.037253114	Kcnab3
ENSMUSG00000031870.16	216.5219476	-0.563668774	0.00396341	0.037272664	Pgr
ENSMUSG00000024290.8	2602.665102	-0.200093143	0.003991417	0.037512933	Rock1
ENSMUSG00000024759.13	2601.378974	-0.19857388	0.003994109	0.037515133	Atf3

ENSMUSG0000000202.9	237.7402224	0.621953042	0.004006199	0.037582435	Btbd17
ENSMUSG00000025781.14	9910.6911	0.131949679	0.004003885	0.037582435	Atp5c1
ENSMUSG00000021929.9	7963.831487	-0.145467375	0.004018203	0.037652229	Kpna3
ENSMUSG00000066724.3	12311.25257	0.147693486	0.004018573	0.037652229	RP23-457H7.8
ENSMUSG00000028345.15	3566.22927	-0.180993714	0.00403782	0.037801335	Tex10
ENSMUSG00000085791.4	11511.56115	0.138619803	0.00403944	0.037801335	Rpl30-ps9
ENSMUSG00000033036.9	826.7092499	0.30131172	0.004043453	0.037815703	AC164004.4
ENSMUSG00000038400.15	3279.611124	-0.179865619	0.004067787	0.038019984	Pmepa1
ENSMUSG00000024331.11	1305.316462	-0.250040941	0.004079827	0.03808587	Dsc2
ENSMUSG000000111291.1	364.7313605	0.452573791	0.004077958	0.03808587	RP23-162P10.8
ENSMUSG00000062859.14	141.8411784	-0.691068763	0.0040831	0.03809313	Tcp11
ENSMUSG00000051279.2	152.1092125	-0.674231388	0.004086203	0.038098792	Gdf6
ENSMUSG00000034290.9	5747.652291	0.148820401	0.004089788	0.038108933	Nek9
ENSMUSG00000027340.15	8280.387868	0.144555003	0.004098341	0.038161191	Slc23a2
ENSMUSG00000028580.15	7380.769333	-0.152083964	0.004100397	0.038161191	Pum1
ENSMUSG00000021838.17	2479.986344	0.192357825	0.004111579	0.038241946	Samd4
ENSMUSG00000078485.3	1558.032386	0.255210717	0.004125543	0.038348459	Plekhn1
ENSMUSG00000032485.14	2159.474396	0.203147902	0.004147728	0.038531205	Scap
ENSMUSG00000041852.15	5760.815867	-0.14591181	0.004154365	0.038569386	Tcf20
ENSMUSG00000033813.15	4813.431697	0.15970282	0.004161277	0.038610073	Tcea1
ENSMUSG00000044966.4	274.6213626	-0.501581468	0.004173986	0.03870446	Fbxo48
ENSMUSG00000067121.2	13101.83992	0.134232312	0.004190999	0.038838629	AC129609.2
ENSMUSG00000022837.14	1347.84283	-0.249791642	0.004196361	0.03886472	Iqcb1
ENSMUSG00000051451.6	4951.041008	-0.166203056	0.004204638	0.038917762	Crebzf
ENSMUSG00000000037.16	524.4289532	-0.390174433	0.004211101	0.038953964	Scml2
ENSMUSG00000025474.9	2230.667905	-0.202296671	0.004218439	0.038998205	Tubgcp2
ENSMUSG00000007817.15	2649.787745	-0.190605989	0.004225679	0.039036866	Zmiz1
ENSMUSG00000034586.14	449.7839127	0.396939684	0.004227736	0.039036866	Hid1
ENSMUSG000000001473.6	5131.382386	-0.151103149	0.0042324	0.039049795	Tubb6
ENSMUSG00000029438.9	1888.314918	-0.212746562	0.00423937	0.039049795	Bcl7a
ENSMUSG00000035642.16	206.1529774	0.588952415	0.004235552	0.039049795	Aamdc
ENSMUSG000000109708.1	59.83079361	-1.103192558	0.004237546	0.039049795	RP23-238C13.2
ENSMUSG000000087412.4	23241.50549	0.126994063	0.004272629	0.039332409	AC102906.1
ENSMUSG00000031021.13	855.7699038	0.305704303	0.004296362	0.039527051	Tmem9b
ENSMUSG00000020312.12	795.6162475	0.317245291	0.004299747	0.039534358	Shc2
ENSMUSG00000022210.7	1358.882353	0.244296693	0.004316228	0.039620585	Dhrs4
ENSMUSG00000028798.16	9870.006262	0.129188397	0.004316912	0.039620585	Eif3i
ENSMUSG00000034613.12	218.0420554	-0.564139773	0.004314658	0.039620585	Ppm1h
ENSMUSG00000051346.9	919.2490486	0.285572043	0.004321789	0.039641505	Spryd4
ENSMUSG00000025878.16	1756.981907	0.216337322	0.004338615	0.03977194	Uimc1
ENSMUSG00000061576.15	491.0069644	0.377479328	0.004343655	0.039794241	Dpp6
ENSMUSG00000028898.15	1469.574373	0.23617799	0.004346643	0.039797727	Trnau1ap
ENSMUSG00000034854.8	672.6687775	0.330840642	0.004370431	0.039943647	Mfsd12
ENSMUSG00000043716.13	50369.55188	0.116207431	0.004368324	0.039943647	Rpl7
ENSMUSG00000052368.2	70.0813	1.020379089	0.004369732	0.039943647	RP23-337P24.5
ENSMUSG00000034708.11	9291.492575	0.138126879	0.004379539	0.039979008	Grn
ENSMUSG00000084131.1	19698.37088	0.140534257	0.004378626	0.039979008	Rpl3-ps2
ENSMUSG00000049091.6	2657.37559	0.190829893	0.004401982	0.040159865	Sephs2
ENSMUSG00000034587.8	194.4559772	-0.610820784	0.004413017	0.040236489	RP23-17N7.4
ENSMUSG00000057657.4	17283.99134	0.1430397	0.004420371	0.040279475	RP23-220C16.2
ENSMUSG00000034254.17	3993.125978	-0.161436809	0.004446476	0.040493175	Agpat1
ENSMUSG00000096740.8	337.4226898	0.454455473	0.00446831	0.040667745	Lbhd1
ENSMUSG00000031906.9	195.3913321	0.618225754	0.004478116	0.040732704	Smpd3
ENSMUSG00000031575.18	5445.366557	0.151846088	0.004483516	0.040757533	Ash2l
ENSMUSG00000012848.15	34111.41386	0.13505673	0.004500273	0.040885512	Rps5
ENSMUSG00000083411.3	11475.18288	0.137889518	0.004508201	0.040933178	Rpl30-ps10
ENSMUSG00000014551.8	3636.303154	0.167457	0.004511861	0.040942053	Mrps25
ENSMUSG0000005069.12	3477.442206	0.17157046	0.004550851	0.041271323	Pex5
ENSMUSG00000046707.9	6743.534135	0.145088054	0.004560062	0.041330302	Csnk2a2
ENSMUSG00000068373.15	99.90163775	-0.826928088	0.004567458	0.041372764	RP24-297H17.3
ENSMUSG00000024039.14	936.254688	-0.314719065	0.004576602	0.041431007	Cbs
ENSMUSG00000036591.16	7478.966629	-0.144608334	0.004601958	0.041623454	Arhgap21
ENSMUSG000000108841.1	675.863703	-0.34299468	0.004603315	0.041623454	Frmpp2
ENSMUSG00000051323.16	414.8902366	-0.417197211	0.004610322	0.041662138	Pcdh19
ENSMUSG00000019710.13	2573.653107	-0.220459784	0.004616379	0.041667529	Mrpl24
ENSMUSG00000033458.17	328.2705083	-0.484675436	0.004613822	0.041667529	Fan1
ENSMUSG00000029162.15	790.5442427	0.30334632	0.004624533	0.041716455	Khk
ENSMUSG000000103821.1	70.99272683	-1.023834757	0.004627306	0.041716822	RP24-147G7.2
ENSMUSG00000026280.17	2428.621727	0.196589527	0.004635421	0.041765307	Atg4b
ENSMUSG00000019055.15	3988.442553	0.163494724	0.004641582	0.041796146	Plod1
ENSMUSG00000020705.6	8237.453609	-0.147021754	0.004646156	0.041812664	Ddx42
ENSMUSG00000025255.18	780.4948348	-0.3049255	0.004654436	0.041837847	Zfhx4
ENSMUSG00000042851.17	186.8821607	-0.620617409	0.004653069	0.041837847	Zc3h6
ENSMUSG00000033955.12	5553.389789	0.14925217	0.00466602	0.041892627	Tnks1bp1

ENSMUSG00000035401.9	3350.626535	-0.192178253	0.004665893	0.041892627	RP23-331A21.2
ENSMUSG00000032431.6	842.340209	0.304057822	0.004668957	0.041894347	Crtap
ENSMUSG00000027439.9	2570.879036	-0.186038709	0.004682989	0.041995573	Gzf1
ENSMUSG00000057069.7	587.9011887	0.358949143	0.004686426	0.042001711	Ero11b
ENSMUSG00000037103.8	2401.811878	0.212768403	0.004697455	0.042075852	Dcaf15
ENSMUSG00000039286.12	938.2339044	-0.282090534	0.004704145	0.042111067	Fndc3b
ENSMUSG00000019428.16	5869.922988	0.161735794	0.004722615	0.042251624	Fkbp8
ENSMUSG00000028469.15	72.75297293	-0.955775118	0.004729674	0.042289993	Npr2
ENSMUSG00000026134.11	1615.928777	0.226193171	0.004745954	0.042410716	Prim2
ENSMUSG00000029833.17	4234.076132	-0.157946779	0.004755784	0.042473689	Trim24
ENSMUSG00000083679.1	1075.603303	0.266525162	0.00475883	0.042476039	RP23-346N8.2
ENSMUSG00000032842.13	782.3588499	0.304183351	0.004765703	0.042512521	Abcc10
ENSMUSG00000038668.14	283.5527179	-0.530177766	0.004776137	0.042580711	Lpar1
ENSMUSG0000002997.15	269.9378051	-0.505321215	0.004780311	0.042584568	Prkar2b
ENSMUSG00000038039.13	1213.068222	-0.24979768	0.004782457	0.042584568	Gcc2
ENSMUSG00000056763.16	1834.153634	-0.232310695	0.00478494	0.042584568	Csp1
ENSMUSG000000105388.1	11442.94009	0.135785735	0.004791772	0.042620525	Rpl36a-ps2
ENSMUSG00000030659.14	646.553399	-0.331436711	0.004802808	0.042693803	Nucb2
ENSMUSG00000021902.7	422.2879631	-0.404374003	0.004811347	0.042719948	Phf7
ENSMUSG00000037111.9	5195.350086	-0.150289845	0.004810127	0.042719948	Setd7
ENSMUSG00000024474.6	5122.56843	0.167889333	0.004819311	0.04274093	Ik
ENSMUSG00000032602.6	585.6945214	0.349608796	0.004818661	0.04274093	Slc25a20
ENSMUSG00000054611.16	5287.290573	-0.149964252	0.004828605	0.042798488	Kdm2a
ENSMUSG00000031657.16	3420.429446	0.167328279	0.004850952	0.042971605	Heatr3
ENSMUSG00000033987.16	364.1146567	0.432231869	0.004866683	0.043062273	Dnah17
ENSMUSG000000109156.1	64.53383579	-1.030530577	0.0048657	0.043062273	RP23-466J17.3
ENSMUSG00000025068.7	2093.478443	0.2049667	0.004873346	0.043094946	Gsto1
ENSMUSG00000032875.8	2667.304631	-0.183930006	0.004888481	0.04317875	Arhgef17
ENSMUSG00000034551.12	1100.854466	-0.300011253	0.00488743	0.04317875	Hdx
ENSMUSG00000036009.16	323.4722906	0.459141276	0.004892526	0.043189491	Mettl25
ENSMUSG00000033948.3	969.324085	-0.277807366	0.00490425	0.043267954	Zswim5
ENSMUSG00000076431.4	3654.971009	-0.185266322	0.004913172	0.043313295	Sox4
ENSMUSG00000082895.1	12542.31108	0.150057459	0.004915064	0.043313295	Rpsa-ps9
ENSMUSG000000103922.1	882.1268897	0.287405953	0.004959269	0.043677622	RP23-34E15.4
ENSMUSG000000069662.5	8045.591798	-0.141637895	0.004976829	0.043806999	Marcks
ENSMUSG00000040711.7	1344.363961	-0.242986717	0.004980313	0.043812406	Sh3pxd2b
ENSMUSG00000031119.4	2483.176837	-0.194648018	0.004988731	0.043861172	Gpc4
ENSMUSG00000065979.12	420.2290847	0.452884276	0.005028641	0.044186613	Cpped1
ENSMUSG00000031174.17	721.5332328	-0.312810878	0.005034424	0.044211971	Rprg
ENSMUSG000000097842.2	68.61911918	-1.006912328	0.005039473	0.044230865	RP23-201L15.5
ENSMUSG00000042557.14	7763.447741	-0.13962661	0.005045409	0.044257519	Sin3a
ENSMUSG0000002190.13	367.4617863	-0.426648221	0.005049128	0.044264702	Clgn
ENSMUSG00000040586.8	1536.87296	-0.24295558	0.005059466	0.044329867	Odf1
ENSMUSG00000064341.1	103166.8967	0.11922845	0.005090298	0.044548863	mt-Nd1
ENSMUSG00000080242.5	5916.662867	0.15179122	0.00508918	0.044548863	RP23-459F14.1
ENSMUSG000000074212.7	469.0355458	-0.383860132	0.005121396	0.044792225	Dnajb14
ENSMUSG00000085385.7	3879.054539	0.172622398	0.005123975	0.044792225	Snhg17
ENSMUSG00000024913.16	7343.000818	-0.1374749	0.005130502	0.044822078	Lrp5
ENSMUSG00000029060.17	1965.122309	0.253645303	0.005133263	0.044822078	Mib2
ENSMUSG00000018287.12	4156.670719	0.176116346	0.005146204	0.044909387	Spag7
ENSMUSG000000085682.2	60.88370998	1.051291161	0.00516748	0.045069288	RP23-183N8.2
ENSMUSG00000001700.9	933.732754	0.275892036	0.005172494	0.045087248	Gramd3
ENSMUSG0000003531.15	1760.527863	0.228596108	0.005211053	0.045397436	Dgcr6
ENSMUSG00000091957.3	41963.51951	0.105341665	0.00521743	0.045427056	Rps2-ps10
ENSMUSG00000030822.15	1439.429498	0.232795796	0.005224225	0.045460287	Prr14
ENSMUSG00000037656.9	6520.039632	0.140425225	0.005243668	0.045603474	Slc20a2
ENSMUSG00000031467.10	4253.075154	0.160440924	0.00529503	0.046023942	Agpat5
ENSMUSG00000017781.17	4503.84456	0.153022405	0.005318335	0.046173919	Pitpna
ENSMUSG00000074797.11	2339.990665	0.202276554	0.005317806	0.046173919	ltpa
ENSMUSG00000030759.16	4143.585509	-0.161892285	0.005322224	0.046181412	Far1
ENSMUSG00000032336.17	3377.764405	0.166864609	0.005348692	0.046384711	Npfn
ENSMUSG000000003154.15	1396.445096	-0.234419203	0.005363811	0.046448844	Foxj2
ENSMUSG00000004558.15	1925.404429	-0.23557263	0.005365217	0.046448844	Ndrp2
ENSMUSG00000039128.13	4018.642325	0.157670262	0.005364776	0.046448844	Cdc123
ENSMUSG00000030225.11	2109.827673	0.206022007	0.005372942	0.046463015	Dera
ENSMUSG00000032637.15	16649.33195	0.140638527	0.00537269	0.046463015	Atxn2l
ENSMUSG00000033278.10	297.7938981	-0.476778238	0.005378739	0.046486801	Ptpm
ENSMUSG00000018821.3	850.9948341	0.309059072	0.005389708	0.04652891	Avp1
ENSMUSG00000021936.14	2601.965387	-0.188367605	0.005389397	0.04652891	Mapk8
ENSMUSG00000022560.9	1881.562684	0.211162937	0.00539412	0.046540671	Slc52a2
ENSMUSG00000024608.10	46468.97563	0.119658972	0.005398534	0.046552444	Rps14
ENSMUSG00000033031.13	3214.809985	-0.172317295	0.005417554	0.046656811	RP23-185B14.1
ENSMUSG00000033577.18	537.5833727	0.366715793	0.005415324	0.046656811	Myo6
ENSMUSG00000055629.5	2003.190028	-0.208459686	0.005422865	0.046656811	B4gaint4

ENSMUSG00000068290.11	2446.931939	0.192765691	0.005419838	0.046656811	Ddrgr1
ENSMUSG00000029267.17	5350.189549	-0.154176574	0.005433307	0.046701385	Mtf2
ENSMUSG00000032383.7	4079.473685	0.160404481	0.005434165	0.046701385	Ppib
ENSMUSG00000020109.13	2724.101003	0.178920718	0.005449884	0.046810122	Dnajb12
ENSMUSG00000034101.14	926.0419734	-0.298814779	0.005470568	0.046961349	Ctnnd1
ENSMUSG00000036160.13	2783.400984	0.185247131	0.005478445	0.04700253	Surf6
ENSMUSG00000022442.16	940.98906	0.277974811	0.005488029	0.047058311	Till1
ENSMUSG00000004936.8	4388.681308	-0.178434563	0.005506955	0.047141141	Map2k1
ENSMUSG00000021111.15	11993.38079	-0.124145463	0.005506578	0.047141141	Papola
ENSMUSG000000109901.1	970.5449777	-0.269007386	0.005501443	0.047141141	Chmp1b
ENSMUSG00000022391.16	10701.40041	-0.125641053	0.005513606	0.047171619	Rangap1
ENSMUSG00000027820.12	1933.784578	-0.249718731	0.005520651	0.047205434	Mme
ENSMUSG000000043602.5	151.0585563	0.654546536	0.005534705	0.047299101	Zfp3
ENSMUSG00000022797.16	21196.82096	-0.132298789	0.005539729	0.047315546	Tfrc
ENSMUSG00000028382.15	3375.511322	-0.172407727	0.005551754	0.047391732	Ptbp3
ENSMUSG00000074129.14	3412.375179	0.187956338	0.005567876	0.047502793	Rpl13a
ENSMUSG00000025078.8	1085.660205	-0.259535999	0.005576709	0.047551571	Nhlrc2
ENSMUSG00000020877.11	322.3635078	0.462920073	0.005586791	0.047610942	Scrn2
ENSMUSG00000003949.16	703.1850822	-0.35149279	0.005595117	0.047655287	Hlf
ENSMUSG00000026924.17	3655.650122	-0.16508485	0.005616731	0.047812698	Sec16a
ENSMUSG00000021638.12	272.2778136	-0.486623594	0.005620651	0.047819398	Ocln
ENSMUSG00000038416.15	3293.210492	0.168840503	0.005624633	0.047826611	Cdc16
ENSMUSG00000041957.15	2594.590987	-0.184639262	0.005634915	0.047887366	Pkp2
ENSMUSG00000001082.12	1223.665472	0.258166268	0.005660204	0.048025553	Mfsd10
ENSMUSG00000029287.14	3299.248234	-0.211028847	0.005663055	0.048025553	Tgfr3
ENSMUSG00000030824.17	5786.974002	0.152334936	0.005663005	0.048025553	Nucb1
ENSMUSG00000042489.15	2673.645416	-0.185146744	0.005667976	0.048025553	Clspr
ENSMUSG00000048388.3	4315.041842	-0.172317922	0.005673201	0.048025553	Fam171b
ENSMUSG000000069020.9	1666.819551	0.219990528	0.005670392	0.048025553	Urm1
ENSMUSG00000095990.1	1119.463158	-0.263713813	0.005670606	0.048025553	Zfp97
ENSMUSG00000024360.7	15263.44162	0.115616236	0.005695978	0.048191633	Etf1
ENSMUSG00000032244.9	10462.81149	-0.139418374	0.005701156	0.048208722	Fem1b
ENSMUSG00000040537.17	1026.629856	-0.262359855	0.005709229	0.04825026	Adam22
ENSMUSG00000023010.15	22637.65944	0.115893577	0.005715125	0.048273357	Tmbim6
ENSMUSG000000111964.1	3975.846389	0.157053252	0.005739522	0.048452616	RP23-70B19.5
ENSMUSG00000021911.16	2349.476869	-0.192010505	0.00575945	0.048548224	Parg
ENSMUSG00000040746.15	3250.813522	-0.179738938	0.005759041	0.048548224	Rnf167
ENSMUSG00000051950.10	1693.268791	0.212543595	0.005764993	0.048548224	B3glt
ENSMUSG000000094628.7	363.3075683	-0.442853331	0.005766752	0.048548224	RP24-70M22.1
ENSMUSG000000104814.1	350.1865297	-0.44439884	0.005764258	0.048548224	RP24-161C20.4
ENSMUSG00000031400.10	1762.940502	0.215672563	0.005775921	0.048598609	G6pdx
ENSMUSG00000041471.9	411.9232513	-0.396563717	0.005789078	0.048655669	Fam35a
ENSMUSG00000055407.14	1066.616948	0.267058368	0.005786247	0.048655669	Map6
ENSMUSG00000056671.6	596.1956105	-0.363724559	0.005808432	0.04879147	Prelid2
ENSMUSG00000054074.9	979.1529512	-0.28016514	0.00581788	0.048843951	Skida1
ENSMUSG000000027715.9	5840.747405	-0.140867379	0.00582626	0.048887414	Ccna2
ENSMUSG00000044681.19	737.9967692	0.310327882	0.005832371	0.048911798	Cnpy1
ENSMUSG00000056043.5	228.9265657	-0.523733961	0.005841244	0.048959308	Rgs9bp
ENSMUSG000000114488.1	820.1831696	0.29856929	0.005869542	0.049169496	RP24-474C15.3
ENSMUSG00000040612.13	457.6932723	-0.37748179	0.005899841	0.049396201	Ildr2
ENSMUSG000000032399.8	89689.03954	0.10432689	0.00592229	0.049556969	Rpl4
ENSMUSG00000009633.3	237.331216	0.536538131	0.005932486	0.049615086	G0s2
ENSMUSG00000026955.13	1108.971618	-0.261811066	0.005947744	0.049715455	Sapcd2
ENSMUSG00000024457.16	2351.58804	-0.19444334	0.005975273	0.04986531	Trim26
ENSMUSG00000028986.12	1666.872237	-0.215281339	0.005975473	0.04986531	Klhl7
ENSMUSG00000037646.10	2171.203462	-0.214868789	0.005973457	0.04986531	Vps13b
ENSMUSG000000048109.10	3807.389481	0.172249919	0.005980692	0.049881583	Rbm15
ENSMUSG00000032245.12	861.393463	-0.286927073	0.005987109	0.049907832	Cln6
ENSMUSG00000034595.17	622.1878272	-0.334243268	0.005994181	0.049939512	Ppp1r18
ENSMUSG00000029376.8	427.1131469	0.403537529	0.006001944	0.049976909	Mthfd2l
ENSMUSG00000027660.16	12657.23292	-0.125885291	0.006005876	0.049980509	Skil
ENSMUSG000000085342.1	7927.980952	0.143314732	0.006008926	0.049980509	RP23-465K20.11
ENSMUSG00000056260.15	1163.777074	-0.250186354	0.006026678	0.05010086	Lrif1
ENSMUSG00000028820.13	17591.57939	-0.132685313	0.006032614	0.050122914	Sfpq
ENSMUSG000000112134.1	84.69346273	0.902991854	0.006038206	0.050142076	RP24-227O16.3
ENSMUSG00000025737.5	1205.312246	-0.260767804	0.006047718	0.050193757	Wdr24
ENSMUSG00000054364.5	1617.782921	0.220438582	0.006058092	0.050248418	Rhob
ENSMUSG000000054733.9	288.141029	0.484360096	0.006060888	0.050248418	Msra
ENSMUSG00000019804.12	3215.266086	0.168272623	0.006065195	0.050256826	Snx3
ENSMUSG00000008226.14	526.6432643	0.352023509	0.006108309	0.05058661	Scrn3
ENSMUSG00000019969.14	4281.191732	0.156219096	0.006150109	0.05090516	Psen1
ENSMUSG00000002103.15	1253.996359	-0.255607979	0.006188443	0.051194692	Acp2
ENSMUSG00000025651.14	7762.154182	0.136725381	0.006192462	0.051200187	Uqcr1
ENSMUSG00000025862.14	6475.947662	-0.140524335	0.0061983	0.051220707	Stag2

ENSMUSG00000018166.8	1429.39793	-0.229100566	0.006221307	0.051383016	Erbp3
ENSMUSG00000033943.15	8315.476829	-0.145199909	0.006240383	0.051512688	Mga
ENSMUSG00000020718.12	712.879266	-0.304633441	0.00628664	0.051866478	Polg2
ENSMUSG00000006019.15	1108.717695	-0.250003803	0.006296336	0.051918409	Dhx34
ENSMUSG000000021713.9	1393.404918	-0.243749586	0.006309036	0.051966985	Ppwd1
ENSMUSG00000032407.14	6017.675081	-0.155123829	0.006307692	0.051966985	U2surp
ENSMUSG00000015652.9	1407.031603	0.24278025	0.006329825	0.052110093	Steap1
ENSMUSG00000032782.19	2219.459421	-0.219648455	0.0063368	0.052139395	Cntrob
ENSMUSG00000027737.10	6839.549998	0.136700716	0.006348016	0.052203542	Slc7a11
ENSMUSG00000024571.14	4188.429212	0.156425334	0.00638222	0.052428322	AC131065.2
ENSMUSG00000027247.16	1694.12959	0.212716655	0.00638108	0.052428322	Arhgap1
ENSMUSG00000019210.10	4246.627178	0.161753483	0.006390889	0.052443084	Atp6v1e1
ENSMUSG000000034120.18	12983.30069	-0.152755341	0.006389539	0.052443084	Srsf2
ENSMUSG00000028678.13	3165.160799	-0.166969659	0.006399881	0.052459078	Kif2c
ENSMUSG00000029361.18	367.3376634	0.421723426	0.006403149	0.052459078	Nos1
ENSMUSG00000042514.11	69.2595496	-0.947270268	0.006401955	0.052459078	Klh14
ENSMUSG00000049606.16	2871.796883	-0.190555746	0.006411069	0.052495785	Zfp644
ENSMUSG00000025225.14	976.7672911	0.272430971	0.006417161	0.052517492	Nfkb2
ENSMUSG00000031703.8	2171.299122	-0.210886135	0.006430676	0.052599899	Irfg1
ENSMUSG00000033237.19	8056.511428	-0.137426418	0.006450287	0.05273205	Arid2
ENSMUSG00000038453.16	1182.00762	0.259252016	0.00645757	0.052763325	Srcin1
ENSMUSG00000057000.12	130.5055244	0.701537168	0.006471666	0.052850205	Nxf3
ENSMUSG00000055240.16	1129.788971	-0.279458527	0.006481301	0.05290059	Zfp101
ENSMUSG000000067818.6	178.7483993	-0.584116509	0.006508624	0.053095205	Myl9
ENSMUSG00000041297.8	3356.571013	-0.165944228	0.006529545	0.053237416	Cdk13
ENSMUSG00000020330.16	7034.948657	-0.143326937	0.00654184	0.053309186	Hmmr
ENSMUSG000000021392.8	2666.281411	-0.184160465	0.006569336	0.053504684	Nol8
ENSMUSG00000031012.17	2073.66321	-0.205378531	0.006577269	0.053512184	Cask
ENSMUSG000000114551.1	7383.49779	0.164050136	0.006575156	0.053512184	RP24-84E11.1
ENSMUSG00000081605.1	68.64719823	0.94740867	0.006593056	0.053612044	RP24-196O13.5
ENSMUSG00000044279.15	307.4515264	-0.449270403	0.006603174	0.053665732	Crb3
ENSMUSG00000033499.14	6563.758343	-0.14049283	0.006607251	0.053670291	Larp4b
ENSMUSG00000031508.14	6987.749963	-0.13243753	0.006631979	0.053842495	Ankrd10
ENSMUSG00000031262.12	1452.555332	-0.223482102	0.006640488	0.053882915	Cenpi
ENSMUSG000000005779.12	8870.975233	0.126281077	0.006653513	0.053931265	Psmb4
ENSMUSG00000040952.16	34882.14758	0.123643302	0.006653088	0.053931265	Rps19
ENSMUSG00000006386.15	468.8121416	0.415286605	0.006680572	0.054121849	Tek
ENSMUSG00000009030.14	2223.975253	0.205006512	0.006696219	0.054130202	Pdcl
ENSMUSG00000021636.15	476.5420515	-0.370286347	0.006697229	0.054130202	Marveld2
ENSMUSG000000037419.9	579.8066059	0.343361413	0.006699335	0.054130202	Endod1
ENSMUSG00000040354.14	19997.11984	0.120971597	0.00669206	0.054130202	Mars
ENSMUSG00000096681.1	9752.900113	0.134647327	0.006694297	0.054130202	Rps19-ps1
ENSMUSG00000005354.16	3784.402175	0.161265803	0.006724028	0.054286274	Txn2
ENSMUSG00000066839.12	1178.021219	0.245395746	0.006725765	0.054286274	Ecsit
ENSMUSG000000094974.1	9754.360987	0.134612621	0.006743636	0.054401754	Rps19-ps2
ENSMUSG000000021036.10	5290.594723	0.143549796	0.006756027	0.054472919	Sptlc2
ENSMUSG00000034487.4	833.6475411	-0.281027603	0.00675985	0.05447497	Kdelc2
ENSMUSG00000001870.15	2115.831576	-0.192046381	0.006770506	0.054478777	Ltbp1
ENSMUSG00000018417.14	2588.759083	-0.179987806	0.006770586	0.054478777	Myo1b
ENSMUSG00000109946.1	151.0310347	0.64601457	0.006771031	0.054478777	RP23-328F3.4
ENSMUSG000000026153.15	2877.03678	-0.193443591	0.006774614	0.054478892	Fam135a
ENSMUSG00000054894.6	232.945499	0.5235456	0.006778697	0.054483021	Atp5s
ENSMUSG00000027433.5	6546.100319	-0.14243159	0.006788967	0.054536845	Xrn2
ENSMUSG000000078735.3	214.7292869	0.546946998	0.006793964	0.05454828	Il11ra2
ENSMUSG00000090093.8	1365.080257	-0.232026976	0.006826355	0.054779526	RP23-330D3.6
ENSMUSG00000016918.15	6911.383082	-0.132519906	0.006837865	0.054795326	Sulf1
ENSMUSG000000024889.4	2157.488586	0.195014382	0.006843553	0.054795326	Rce1
ENSMUSG00000025794.9	42539.12036	0.134930089	0.006853455	0.054795326	Rpl14
ENSMUSG00000027551.15	1866.637156	0.205811942	0.006834011	0.054795326	Zfp64
ENSMUSG00000033282.14	342.1816801	-0.424040265	0.006849115	0.054795326	Rpgrip1l
ENSMUSG00000040128.9	2331.671604	-0.186248836	0.006846739	0.054795326	Pnrc1
ENSMUSG000000066613.14	1290.615683	0.238435301	0.006850486	0.054795326	Zfp932
ENSMUSG00000042810.14	2646.19734	-0.183172896	0.006871793	0.054913179	Krba1
ENSMUSG00000028708.16	864.9321908	0.289842117	0.006882762	0.054972057	Mknk1
ENSMUSG00000032118.16	740.8656487	0.299561915	0.006890505	0.05500511	Fez1
ENSMUSG00000109121.1	68.39765038	0.971148226	0.006895249	0.055014208	RP24-236C17.2
ENSMUSG00000062683.11	14444.17954	0.13233886	0.006918631	0.055171928	Atp5g2
ENSMUSG000000031792.15	1114.94869	0.254131927	0.006933228	0.055230616	Usb1
ENSMUSG00000033065.14	4515.007272	0.149310085	0.006931351	0.055230616	Pfkm
ENSMUSG00000024037.12	2906.62178	0.171730093	0.006950456	0.055281301	Wdr4
ENSMUSG00000027457.15	1023.482017	0.26243561	0.006943995	0.055281301	Snph
ENSMUSG00000038070.15	113.9080379	-0.728393204	0.006950284	0.055281301	Cntln
ENSMUSG000000022914.16	3831.608559	-0.170062655	0.006977545	0.055467845	Brwd1
ENSMUSG00000080776.1	11405.62645	0.121229073	0.007005331	0.055659747	RP23-31K14.3

ENSMUSG00000112605.1	6502.24551	0.14796915	0.007014757	0.055705635	RP23-77B14.2
ENSMUSG00000047989.11	965.0794623	0.2648467	0.007063928	0.05606694	Ino80c
ENSMUSG00000028108.15	132.3555221	0.716254354	0.007071045	0.056094264	Ecm1
ENSMUSG00000007777.9	856.128585	-0.279959398	0.00712487	0.056491891	RP23-79E13.7
ENSMUSG00000043535.13	10527.24226	-0.146465381	0.007129398	0.056494079	Setx
ENSMUSG00000089832.8	1593.874217	0.212921434	0.007132549	0.056494079	Shkbp1
ENSMUSG00000018809.2	1144.019184	-0.261326935	0.007152518	0.056593515	Smyd4
ENSMUSG00000040860.16	4294.011329	-0.163523606	0.007149897	0.056593515	Crocc
ENSMUSG00000004113.18	907.6190894	-0.280158425	0.007162474	0.056601705	Cacna1b
ENSMUSG00000048916.7	302.3867223	0.448395989	0.007164679	0.056601705	AC113279.4
ENSMUSG00000060198.7	25912.16726	0.120339109	0.007162661	0.056601705	RP23-169M24.1
ENSMUSG00000027122.15	6488.56354	0.156712684	0.007171202	0.056623932	Arl14ep
ENSMUSG00000014602.15	15372.07615	0.131921496	0.007175524	0.056628761	Kif1a
ENSMUSG00000026827.12	6697.915472	0.139292247	0.007183145	0.05665961	Gpd2
ENSMUSG00000020463.15	3810.511919	-0.17050411	0.007204287	0.056797023	Ppp4r3b
ENSMUSG00000028703.14	991.52304	0.266100768	0.007213262	0.056838421	Lrrc41
ENSMUSG0000000439.9	1633.728406	0.210377801	0.007231108	0.056910038	Mkrn2
ENSMUSG00000022564.7	2862.194966	0.206549793	0.007233537	0.056910038	Grina
ENSMUSG00000025613.13	27455.97579	0.105524304	0.007230389	0.056910038	Cct8
ENSMUSG00000020231.15	1142.508985	0.257528774	0.007247162	0.056966832	Dip2a
ENSMUSG00000034520.14	3695.629371	-0.157515891	0.00724822	0.056966832	Gjc1
ENSMUSG00000052698.15	2904.06618	-0.172587497	0.007263752	0.057059517	Tln2
ENSMUSG00000019796.12	3134.867927	-0.169585915	0.007281665	0.057108441	Lrp11
ENSMUSG00000020687.13	4923.817438	-0.162549825	0.007284087	0.057108441	Cdc27
ENSMUSG00000027108.15	4970.74272	0.149541444	0.007275939	0.057108441	Ola1
ENSMUSG00000107971.1	63.42473754	-0.980083209	0.007284946	0.057108441	RP23-259J8.5
ENSMUSG00000054280.14	2520.493284	-0.183135215	0.007308786	0.057265918	Prr14l
ENSMUSG00000026353.9	3996.929241	0.160875246	0.007343939	0.057482327	Ubxn4
ENSMUSG000000068115.13	1825.743938	-0.199795428	0.007340524	0.057482327	Ninl
ENSMUSG00000011960.12	3398.94982	-0.176771388	0.007352974	0.057523551	Ccnt1
ENSMUSG00000015599.9	233.1270057	0.564398785	0.007365747	0.057593952	Ttbk1
ENSMUSG00000006057.15	7713.594052	0.131698699	0.007420907	0.057983248	Atp5g1
ENSMUSG00000028626.5	524.6994056	0.366753827	0.007425721	0.057983248	Col9a2
ENSMUSG00000032309.15	2521.622243	0.184975303	0.007426931	0.057983248	Fbxo22
ENSMUSG00000009894.15	2189.537845	-0.19163465	0.007430971	0.057985129	Snap47
ENSMUSG00000023452.19	1233.288161	0.243857967	0.007434936	0.057986418	Pisd
ENSMUSG00000020477.10	2280.601071	0.194587098	0.007457831	0.058105598	Mrps24
ENSMUSG000000114003.1	9695.272252	0.136462745	0.007454363	0.058105598	RP23-223E16.4
ENSMUSG00000038708.10	6002.054751	-0.141678734	0.0074725	0.058190184	Golga4
ENSMUSG000000080775.1	1212.747825	0.240740829	0.007478803	0.058209568	RP23-294O1.1
ENSMUSG00000015755.16	6592.48267	-0.136959696	0.007504553	0.058320767	Tab2
ENSMUSG00000021326.13	5769.689609	0.159459262	0.007502978	0.058320767	Trim27
ENSMUSG00000045103.17	1400.718188	0.222741989	0.007503238	0.058320767	Dmd
ENSMUSG00000029782.19	6063.552799	0.138256659	0.007518209	0.058367457	Tmem209
ENSMUSG00000038346.18	2572.272459	0.184591619	0.007514457	0.058367457	Zfp384
ENSMUSG00000007862.10	1287.786099	-0.23243873	0.007522204	0.058368788	RP24-87L14.1
ENSMUSG00000030298.10	5525.991395	0.137652487	0.00753207	0.058415641	Sec13
ENSMUSG00000034235.17	1410.880469	-0.227170095	0.007539232	0.058441492	Usp54
ENSMUSG000000086629.8	465.7498832	-0.380054621	0.007550547	0.058499493	RP23-145N17.1
ENSMUSG00000019467.15	3023.959093	0.172721359	0.007573813	0.058620622	Arhgef25
ENSMUSG000000041203.9	3280.272056	0.165450391	0.007573863	0.058620622	RP23-359B23.5
ENSMUSG000000041679.9	93.57571747	-0.792535636	0.007620618	0.058939941	Lrrc29
ENSMUSG000000041765.6	1418.728477	0.220644356	0.007626704	0.058939941	Ubac2
ENSMUSG000000053907.10	11574.96231	0.131706979	0.007623582	0.058939941	Mat2a
ENSMUSG00000000976.13	2236.0901	-0.184338756	0.007682705	0.059342676	Heatr6
ENSMUSG00000028851.6	24573.91739	0.111355067	0.007688323	0.059356031	Nudc
ENSMUSG000000061897.5	1154.544033	0.241498714	0.007702153	0.059432739	RP23-285J17.1
ENSMUSG000000055763.9	842.6265995	-0.276153423	0.007706527	0.059436446	RP23-239E13.3
ENSMUSG00000027907.4	611.6750453	0.330184358	0.007730311	0.059589765	S100a11
ENSMUSG000000042644.8	1874.471296	-0.201425522	0.007740816	0.059640623	Itp3
ENSMUSG000000091086.2	19395.78793	0.123702614	0.007754149	0.059713204	RP24-351I17.2
ENSMUSG000000036501.6	896.2271428	-0.270451116	0.007787674	0.059941136	Fam13b
ENSMUSG000000037740.8	1948.579897	0.198292609	0.007798008	0.05999042	Mrps26
ENSMUSG00000021244.15	4004.825805	-0.175641928	0.007849127	0.060349681	Ylpm1
ENSMUSG00000022100.14	3449.901216	-0.165638582	0.007856835	0.060349681	Xpo7
ENSMUSG00000025816.15	2761.556724	0.171095557	0.007859953	0.060349681	Sec61a2
ENSMUSG00000048799.7	4010.45566	0.151885616	0.007860523	0.060349681	Cep120
ENSMUSG000000110993.1	118.472743	-0.770472913	0.007884495	0.060503291	RP24-325P4.5
ENSMUSG00000020211.15	4980.541228	0.160369364	0.007893297	0.060540395	Sf3a2
ENSMUSG00000031922.12	2666.450461	-0.176485628	0.00790247	0.060580312	Cep57
ENSMUSG00000021327.19	2855.622576	-0.184458749	0.007922825	0.06068855	Zkscan3
ENSMUSG00000033964.12	1219.588919	-0.233365436	0.007924542	0.06068855	Zbtb41
ENSMUSG000000085438.1	6380.464326	-0.138460856	0.007936609	0.060750487	RP23-22A15.2
ENSMUSG00000038545.13	4203.914675	-0.152115829	0.007949227	0.060812551	Cul7

ENSMUSG00000063511.11	19151.32161	0.118849085	0.007952686	0.060812551	Snmp70
ENSMUSG00000029319.8	1067.055456	0.257842876	0.00797381	0.060943549	Coq2
ENSMUSG00000030946.13	692.9316971	0.30164303	0.007984669	0.060944708	Lhpp
ENSMUSG00000031010.17	14786.66151	-0.118210306	0.007982605	0.060944708	Usp9x
ENSMUSG00000058254.12	6236.493734	0.138324632	0.007985941	0.060944708	Tspan7
ENSMUSG00000039252.11	1030.193972	-0.264448193	0.007990424	0.060948446	Lgi2
ENSMUSG000000104028.1	3884.474764	0.160350988	0.008039533	0.061292403	RP24-574O8.7
ENSMUSG00000038991.17	12548.65429	0.122066962	0.008059932	0.061417244	Txndc5
ENSMUSG00000034780.6	275.5423462	0.48229552	0.008088164	0.061570895	B3galt1
ENSMUSG00000069744.7	11647.3939	0.12854003	0.008087196	0.061570895	Psemb3
ENSMUSG00000038365.8	884.6009154	-0.271270672	0.008108176	0.061692467	Fbxo25
ENSMUSG00000017721.15	10176.85455	0.120658137	0.008115832	0.061719955	Pigt
ENSMUSG00000015341.17	2928.993003	0.170748187	0.008165376	0.062065805	Golga7
ENSMUSG00000027111.15	34441.50118	0.10359318	0.008179197	0.062078113	Itga6
ENSMUSG00000030655.15	9581.786147	-0.13761801	0.008178674	0.062078113	Smg1
ENSMUSG000000103286.1	3883.95036	0.15998598	0.008175057	0.062078113	RP23-36C9.2
ENSMUSG00000021072.12	5350.847817	0.149252635	0.008229109	0.062372782	Tmx1
ENSMUSG00000040466.16	1158.114325	0.259010097	0.008230281	0.062372782	Blvr
ENSMUSG00000091994.2	250.2120769	-0.489531374	0.008227465	0.062372782	RP23-13B8.9
ENSMUSG00000066595.9	1021.346272	0.2632235	0.008271192	0.062651713	Mfsd7b
ENSMUSG00000006676.16	9805.703992	0.124795711	0.008284311	0.062688861	Usp19
ENSMUSG00000027243.8	659.2416939	-0.313553646	0.008281094	0.062688861	Harbi1
ENSMUSG00000039206.13	736.6207433	0.333215268	0.008292117	0.062716839	Daglb
ENSMUSG00000015837.15	8937.756079	0.129729	0.008326427	0.06294515	Sqstm1
ENSMUSG00000029629.17	1969.731893	-0.193590658	0.008339644	0.063013853	Phf14
ENSMUSG00000000489.7	167.3661854	-0.589242812	0.008344281	0.063017696	Pdgfb
ENSMUSG00000031636.7	494.4129555	-0.350616393	0.008360213	0.063106787	Pdim3
ENSMUSG00000031389.17	83.34440377	0.836783283	0.008378864	0.063216315	Arhgap4
ENSMUSG00000020349.4	15955.44743	0.112605564	0.008384942	0.063230913	Ppp2ca
ENSMUSG00000031708.16	15320.87684	0.123308113	0.008400884	0.063319848	Tecr
ENSMUSG00000029726.16	1760.549625	-0.1992097	0.008412851	0.063378748	Mepce
ENSMUSG00000053398.11	12713.74282	0.125149926	0.008441242	0.063561263	Phgdh
ENSMUSG00000029191.16	6992.537199	-0.129046394	0.008466669	0.063721286	Rfc1
ENSMUSG00000042590.16	3397.765263	-0.161965573	0.008482007	0.063805262	Ipo11
ENSMUSG000000097944.1	126.6087799	-0.699275055	0.008500231	0.063910847	RP23-441L19.1
ENSMUSG00000035365.15	801.8168402	-0.279136172	0.008511055	0.063929245	Parppb
ENSMUSG00000041920.14	243.5306416	-0.4856191	0.008508054	0.063929245	Slc16a6
ENSMUSG00000034248.7	3139.229943	-0.168654604	0.008526766	0.064015758	Slc25a37
ENSMUSG00000025389.7	954.2025417	0.272597095	0.008536109	0.064054387	Mip
ENSMUSG000000051518.8	1261.906536	0.236722421	0.008558112	0.064187939	Rps19bp1
ENSMUSG00000064317.5	2400.591986	0.181031967	0.008564466	0.06420405	RP23-231J3.3
ENSMUSG00000028078.14	3300.519443	-0.161473677	0.008605863	0.064482711	Dclk2
ENSMUSG00000084038.2	678.2405385	-0.303476099	0.00864251	0.064725532	RP23-124G18.2
ENSMUSG00000038451.13	315.1524834	0.431207713	0.008666666	0.064874606	Spstb2
ENSMUSG00000097657.2	1015.539933	0.251162258	0.008674155	0.064898837	RP24-215A14.2
ENSMUSG00000022160.18	1927.137104	0.19244859	0.008696186	0.064999944	Mettl3
ENSMUSG00000060860.8	12424.55109	0.115720051	0.008693878	0.064999944	Ube2s
ENSMUSG00000062582.6	10155.75353	0.130585952	0.008730932	0.065227711	RP24-115G21.3
ENSMUSG00000023307.13	3581.229919	0.161863356	0.008766014	0.065368909	05. Mrz
ENSMUSG00000028322.11	3085.540187	0.168220305	0.008771246	0.065368909	Exosc3
ENSMUSG00000030986.13	2189.628619	0.183809628	0.008767006	0.065368909	Dhx32
ENSMUSG00000044609.6	3095.144951	0.16732573	0.008759158	0.065368909	RP23-201O19.1
ENSMUSG00000078653.4	100.8121618	-0.793519918	0.008764513	0.065368909	Cntd1
ENSMUSG00000041733.10	1914.344476	0.195178432	0.008776452	0.065375786	Coq5
ENSMUSG00000037533.19	3236.139969	-0.176789758	0.008785318	0.065378015	Rapgef6
ENSMUSG00000037992.16	9817.366513	0.144241385	0.008783793	0.065378015	Rara
ENSMUSG00000038467.15	4572.3644	0.14256581	0.008792093	0.065396544	Chmp4b
ENSMUSG00000020003.16	1151.011649	-0.245967677	0.008805821	0.065466753	Pex7
ENSMUSG00000040325.16	4217.304282	-0.145577594	0.00881124	0.065475148	Vprbp
ENSMUSG00000020649.11	7294.263115	-0.129071353	0.008833544	0.065581745	Rrm2
ENSMUSG00000049047.11	3512.480404	0.155921939	0.008838475	0.065581745	Armxc3
ENSMUSG00000074657.5	1101.501616	0.241450188	0.008837202	0.065581745	Kif5a
ENSMUSG00000028691.12	26444.79153	0.114868157	0.008892499	0.065950537	Prdx1
ENSMUSG00000022556.11	2092.613934	0.197616521	0.008916013	0.065964669	Hsf1
ENSMUSG00000026792.16	858.794142	-0.268172484	0.008911146	0.065964669	Lrsam1
ENSMUSG00000030733.10	2629.266343	0.173986437	0.008912257	0.065964669	Sh2b1
ENSMUSG00000036352.16	2568.138346	-0.189718908	0.008909913	0.065964669	Ubc1
ENSMUSG00000044533.15	38957.88453	0.101495967	0.008906137	0.065964669	Rps2
ENSMUSG00000030284.11	2952.539871	0.164700771	0.008934963	0.066041753	Crel1
ENSMUSG00000035885.4	7164.634883	-0.146566104	0.008935086	0.066041753	Cox8a
ENSMUSG00000039278.10	1769.334762	0.210855486	0.008943478	0.066071784	Pcsk1n
ENSMUSG00000022947.8	445.457005	0.368649034	0.008959584	0.066158744	Cbr3
ENSMUSG00000064302.13	3695.094326	-0.168655078	0.008964433	0.06616254	Clasp1
ENSMUSG00000022817.15	9657.497189	-0.132472877	0.008976028	0.0662161	Itgb5

ENSMUSG00000061601.15	406.2318998	-0.377396043	0.008995111	0.066292794	Pclo
ENSMUSG000000082575.1	5496.090175	0.143429541	0.008993476	0.066292794	RP23-348F1.1
ENSMUSG00000006390.15	1203.814065	-0.233888955	0.009002011	0.066311625	Elovl1
ENSMUSG000000003779.15	5249.779249	-0.143270314	0.009009683	0.066336126	Kif20a
ENSMUSG000000095847.1	2217.617234	0.182891927	0.009041832	0.066540734	RP24-94N16.2
ENSMUSG000000057388.9	2238.861109	-0.181620911	0.009066349	0.066665589	Mrpl18
ENSMUSG000000111375.4	121.9701068	-0.676424113	0.009067533	0.066665589	Btdb8
ENSMUSG00000004642.13	3669.076713	-0.154481474	0.009108204	0.066931266	Slbp
ENSMUSG00000022686.14	1078.606317	-0.255435662	0.009115003	0.066931266	B3gnt5
ENSMUSG00000038677.13	1513.181298	-0.216785924	0.009116825	0.066931266	Scube3
ENSMUSG00000027397.14	7808.951346	0.123212226	0.009129315	0.066990735	Slc20a1
ENSMUSG00000017548.15	14364.46152	-0.11914308	0.009161406	0.067164469	Suz12
ENSMUSG000000048661.14	3610.727753	0.15288167	0.009161791	0.067164469	Lemd3
ENSMUSG00000023913.17	1792.031598	0.201295506	0.00921068	0.067490449	Pla2g7
ENSMUSG00000053838.14	5969.16768	-0.131318337	0.009239865	0.067671811	Nudcd3
ENSMUSG00000020196.10	4187.883304	-0.166459839	0.009259817	0.067761363	Cabin1
ENSMUSG00000021371.5	446.7457534	0.362059684	0.009265411	0.067761363	Mcur1
ENSMUSG00000024436.16	1059.382816	0.245411277	0.009261063	0.067761363	Mrps18b
ENSMUSG00000015994.10	3438.774197	0.15824645	0.009285388	0.067873669	Fnta
ENSMUSG00000030423.7	837.381529	0.270685367	0.009294108	0.067873669	Pop4
ENSMUSG00000039747.11	274.3775121	0.468222205	0.009291453	0.067873669	Orai2
ENSMUSG00000030880.14	2837.776974	0.165669605	0.009310562	0.067928826	Polr3e
ENSMUSG00000044857.7	2226.592752	0.190844496	0.00930749	0.067928826	Lemd2
ENSMUSG00000002028.13	7937.71139	-0.132313964	0.00933205	0.06805307	Kmt2a
ENSMUSG00000064281.7	8200.774974	0.130943963	0.009340831	0.068084579	Rpl19-ps1
ENSMUSG00000082196.3	700.1677767	0.302333117	0.009359194	0.068170935	RP24-482A24.2
ENSMUSG000000116972.1	9333.483319	0.126367043	0.009361612	0.068170935	RP23-292A11.1
ENSMUSG00000022974.12	3670.604464	-0.159041878	0.009392362	0.06826833	Paxbp1
ENSMUSG000000028552.13	3104.980172	0.163180037	0.009387893	0.06826833	Eps15
ENSMUSG00000030744.13	82528.47352	0.099162297	0.009392878	0.06826833	Rps3
ENSMUSG00000033940.8	3856.649177	0.150558571	0.009388139	0.06826833	Brk1
ENSMUSG00000026335.16	1724.569359	0.216735052	0.009403319	0.068311688	Pam
ENSMUSG00000030772.6	342.249409	0.407217049	0.009421536	0.068387675	Dkk3
ENSMUSG00000044117.12	274.5299893	-0.535214948	0.00942274	0.068387675	RP23-231E23.4
ENSMUSG000000039623.13	648.8075751	0.303101978	0.009437431	0.068461742	Ap5z1
ENSMUSG00000005683.8	9685.482982	0.120006989	0.009453042	0.068531814	Cs
ENSMUSG00000039542.16	1578.035225	0.215911009	0.00945607	0.068531814	Ncam1
ENSMUSG00000024346.5	3082.199972	0.170760668	0.009464302	0.068558917	Pfdn1
ENSMUSG00000032549.7	1072.450442	0.245070429	0.009489741	0.068612941	Rab6b
ENSMUSG000000042460.5	2189.88409	-0.182995761	0.009486715	0.068612941	C1galt1
ENSMUSG00000069899.3	1332.057051	0.221797625	0.00948707	0.068612941	RP23-29H5.3
ENSMUSG00000073987.4	409.8649277	0.384044492	0.009480385	0.068612941	Ggh
ENSMUSG00000020297.10	655.5811746	0.301934473	0.009494605	0.068615606	Nsg2
ENSMUSG00000034893.8	627.1094512	-0.313252825	0.009518001	0.068752126	Cog3
ENSMUSG00000053740.7	1966.733326	0.208766141	0.009525478	0.068773587	Gm6457
ENSMUSG00000023262.13	710.0920127	-0.303662271	0.009539202	0.068775075	Acy1
ENSMUSG00000028521.17	988.2669075	0.249899572	0.009538298	0.068775075	Slc35d1
ENSMUSG00000047749.2	1655.031304	-0.218548225	0.009534162	0.068775075	Zc3hav1l
ENSMUSG00000027263.12	1127.281936	-0.240381495	0.009553827	0.068848	Tubgcp4
ENSMUSG00000002107.18	1146.456829	-0.234227457	0.009559787	0.068858438	Celf2
ENSMUSG00000019978.16	5389.514083	-0.137682261	0.009580889	0.068971336	Epb41l2
ENSMUSG00000095159.2	4595.839389	0.152187093	0.009584499	0.068971336	Tubb4b-ps1
ENSMUSG00000031875.7	673.6585087	0.301702346	0.009596051	0.069021925	Cmtm3
ENSMUSG00000024132.5	1024.046037	0.257900334	0.009601544	0.069028904	Eci1
ENSMUSG00000029635.15	4540.198453	-0.14797314	0.009619717	0.069126998	Cdk8
ENSMUSG00000028228.5	2140.851609	-0.190213353	0.009634452	0.069169681	Cpne3
ENSMUSG00000041961.14	2220.400025	-0.19257166	0.009634721	0.069169681	Znrf3
ENSMUSG00000024165.8	7585.166972	-0.131049941	0.009649562	0.069243659	Jpt2
ENSMUSG00000019235.9	196.0734307	0.531915162	0.009673403	0.069382119	Rps6k1l
ENSMUSG00000020986.13	2677.53581	-0.172803637	0.009716436	0.069658035	Sec23a
ENSMUSG00000025102.14	311.0214623	-0.440164528	0.009726234	0.069695544	AC102077.1
ENSMUSG000000052397.8	11788.00032	0.126284142	0.009739287	0.069756326	Ezr
ENSMUSG00000024810.16	333.1462546	0.433410492	0.009744913	0.069763888	Il33
ENSMUSG00000026836.15	1026.496603	0.252297203	0.009749694	0.069765394	Acvr1
ENSMUSG00000021670.14	22721.86868	-0.127432808	0.009755802	0.069776386	Hmgcr
ENSMUSG00000027067.16	15700.78773	0.114691953	0.009760776	0.069779261	Ssrp1
ENSMUSG00000045573.9	909.7074365	0.266860334	0.009769649	0.069809997	Penk
ENSMUSG000000024598.8	1733.727428	-0.196952575	0.009780099	0.069851967	Fbn2
ENSMUSG00000020806.15	1783.51187	0.195469501	0.009786071	0.069861931	Rhbf2
ENSMUSG00000037315.15	938.465966	-0.268395624	0.009802884	0.069949238	Jade3
ENSMUSG00000000948.16	14131.95477	-0.378329131	0.009826046	0.070049014	RP24-177J9.4
ENSMUSG00000010608.15	10736.41723	-0.115710413	0.009823386	0.070049014	Rbm25
ENSMUSG000000086158.2	112.4026066	-0.759244696	0.009874803	0.070363733	Ccpg1os
ENSMUSG00000057715.13	309.0823537	-0.454610919	0.009879461	0.070364077	AC103635.1

ENSMUSG00000024376.6	1049.5799	0.247590601	0.009893012	0.070427726	Epb4114a
ENSMUSG00000071337.11	4655.412879	-0.144693024	0.009945175	0.070766061	Tia1
ENSMUSG00000030057.15	18651.45195	0.112986802	0.009988103	0.071038403	Cnbp
ENSMUSG00000039089.15	1423.802117	-0.216144278	0.010024413	0.071263447	L3mbtl3
ENSMUSG00000052056.14	5064.072308	-0.135621698	0.0100328	0.071289865	Zfp217
ENSMUSG00000015354.8	907.6483326	0.26652309	0.010042369	0.071301382	Pcolce2
ENSMUSG00000071662.3	1923.30911	0.199938693	0.010043764	0.071301382	Polr2g
ENSMUSG00000029101.16	1140.867384	-0.251860035	0.010079786	0.071523839	Rgs12
ENSMUSG00000038387.9	1288.317854	-0.223467813	0.010141422	0.071927753	Rras
ENSMUSG00000019189.13	20739.7698	0.113840712	0.010164312	0.071991693	Rnf145
ENSMUSG00000081461.3	5335.540916	0.13861835	0.010164587	0.071991693	Rpl30-ps11
ENSMUSG00000084128.10	133.6127237	-0.643000778	0.010161118	0.071991693	Esrp2
ENSMUSG00000038301.15	2012.22366	-0.184987269	0.010208708	0.072270643	Snx10
ENSMUSG00000067274.10	114741.4453	0.109074735	0.010224442	0.072348477	Rplp0
ENSMUSG00000101431.1	4396.047386	0.160250291	0.010245906	0.072466756	AC118721.1
ENSMUSG00000006998.16	15749.89991	0.106445839	0.010274468	0.072635109	Psmc2
ENSMUSG00000037405.8	514.3100119	0.337403553	0.010291441	0.072691533	Icam1
ENSMUSG00000042228.14	149.3455363	0.610774862	0.010291974	0.072691533	Lyn
ENSMUSG00000094378.7	368.1811323	-0.404687896	0.010311394	0.072795005	RP23-18D18.1
ENSMUSG00000036550.16	22562.87684	-0.112496262	0.010333883	0.072910159	Cnot1
ENSMUSG00000040410.14	295.1494633	-0.436950751	0.010337259	0.072910159	Fbxl4
ENSMUSG00000022940.17	987.6044388	0.268657	0.010364378	0.073067671	Pigp
ENSMUSG00000043962.16	13967.88739	-0.117099843	0.010403771	0.073286575	Thrap3
ENSMUSG00000056486.18	904.5028816	-0.27157258	0.010405032	0.073286575	Chn1
ENSMUSG00000023017.10	868.6558755	-0.269073481	0.010420103	0.073358871	Asic1
ENSMUSG00000084846.1	58.69075198	0.965597461	0.010444405	0.073496058	AC087062.7
ENSMUSG00000031453.16	561.2137174	0.325378094	0.010475849	0.073683359	Rasa3
ENSMUSG00000001380.6	4204.515946	0.146689763	0.010491825	0.073761735	Hars
ENSMUSG00000024654.8	793.9979007	0.277636103	0.010546288	0.074110497	Asrg1
ENSMUSG00000039191.12	3341.812158	-0.159382854	0.01058999	0.074383351	Rbpj
ENSMUSG00000006021.5	555.7719134	-0.31983473	0.010608593	0.074479743	Kptn
ENSMUSG00000047215.14	36841.06874	0.106158266	0.010616049	0.074497817	Rpl9
ENSMUSG00000038943.16	3242.96636	-0.158841758	0.010623155	0.074513426	Prc1
ENSMUSG00000084911.1	560.4070346	-0.322312986	0.010656305	0.074711614	RP23-401G21.3
ENSMUSG000000027198.16	3151.715988	0.159782334	0.010681678	0.074825348	Ext2
ENSMUSG00000040389.15	686.6429317	-0.2914951	0.01068654	0.074825348	Wdr47
ENSMUSG00000099662.1	703.2013925	0.288959185	0.010687234	0.074825348	Ppp1r2-ps2
ENSMUSG00000003037.16	2714.91561	0.165181576	0.010702194	0.074861409	Rab8a
ENSMUSG00000006310.10	140.9398646	0.626217695	0.01070025	0.074861409	Zbtb32
ENSMUSG000000021339.4	1411.599557	-0.212322818	0.010718849	0.074943559	Mrs2
ENSMUSG00000002820.6	1325.674055	0.220382423	0.010734607	0.074950733	Atg4d
ENSMUSG00000021451.16	3380.272101	-0.158015807	0.010728254	0.074950733	Sema4d
ENSMUSG00000025529.14	564.9413771	-0.319619018	0.010733208	0.074950733	Zfp711
ENSMUSG00000026687.14	7003.310877	0.123551311	0.010751336	0.075033216	Aldh9a1
ENSMUSG00000069011.5	1989.778949	-0.185327066	0.010797108	0.075318217	RP23-72A21.2
ENSMUSG000000096996.1	269.2957789	-0.452546629	0.010810874	0.075379796	Gm26792
ENSMUSG00000027878.11	6129.640899	-0.1389111	0.010819177	0.075403242	Notch2
ENSMUSG00000033585.5	2144.517848	0.181814724	0.010905439	0.075936996	Ndn
ENSMUSG00000102496.1	311.7313318	-0.424348226	0.010905713	0.075936996	RP23-461O23.2
ENSMUSG00000070780.11	82.17231171	-0.817514481	0.010931096	0.07607903	Rbm47
ENSMUSG00000019996.17	991.7872301	-0.257948433	0.010982864	0.076404494	Mag7
ENSMUSG00000022204.9	1989.544801	0.191535218	0.010997271	0.076431365	Ngdn
ENSMUSG00000024404.6	3358.244768	-0.167825764	0.011006758	0.076431365	Riok3
ENSMUSG00000039662.16	4237.28156	0.151570717	0.010991834	0.076431365	Icmt
ENSMUSG00000039701.11	768.2967084	-0.293050562	0.011005848	0.076431365	Usp53
ENSMUSG00000081810.1	7071.142314	0.126475468	0.011025835	0.076529025	RP23-317M2.1
ENSMUSG000000064128.8	753.0626049	-0.279897792	0.011039086	0.07658617	Cenpj
ENSMUSG00000033352.11	3090.912581	0.165396306	0.01105479	0.076625461	Map2k4
ENSMUSG00000036880.9	967.5508006	0.247900951	0.011051544	0.076625461	Acaa2
ENSMUSG00000022191.16	6081.368922	0.130775045	0.011141185	0.077189245	Drosha
ENSMUSG00000025742.5	11223.06363	0.118402812	0.011150495	0.077218694	Prps2
ENSMUSG00000020546.14	1942.247757	0.213037759	0.011176133	0.077361143	Stxbp4
ENSMUSG00000040907.15	2942.762753	0.163428793	0.011201343	0.077500499	Atp1a3
ENSMUSG00000039253.7	880.9008884	-0.259149038	0.011206582	0.07750161	Fn3krp
ENSMUSG00000030268.17	12277.65476	0.12996215	0.011216694	0.07751762	Bcat1
ENSMUSG00000102117.1	5342.789739	0.16016309	0.011219054	0.07751762	Rpsa-ps1
ENSMUSG00000038160.7	1075.369362	0.236525269	0.011227952	0.077543995	Atg5
ENSMUSG000000082128.1	3043.798035	0.175159239	0.011248585	0.077651361	RP23-287O8.1
ENSMUSG00000026034.17	4990.816886	-0.149213569	0.011264144	0.077723609	Clk1
ENSMUSG00000072774.10	242.2417078	-0.475977082	0.011282707	0.077816519	Zfp951
ENSMUSG00000014074.17	2340.149278	-0.189059613	0.011322098	0.07805293	Rnf168
ENSMUSG00000024829.12	2025.094759	-0.198352524	0.011331411	0.078081864	Mrpl21
ENSMUSG000000097230.1	150.3895152	-0.635336382	0.011354499	0.078205651	Gm26853
ENSMUSG00000090021.2	1685.784158	-0.223829335	0.011367733	0.078261482	RP23-418N2.3

ENSMUSG00000011877.13	6977.673222	0.128872493	0.011380906	0.078316847	Git1
ENSMUSG00000027204.13	1692.529175	-0.20257081	0.011401397	0.078416599	Fbn1
ENSMUSG00000030108.14	220.7239375	0.510673118	0.011415952	0.078416599	Slc6a13
ENSMUSG00000030530.15	2668.307025	0.163722439	0.011406639	0.078416599	Furin
ENSMUSG00000039067.5	6226.283299	0.125937059	0.011413287	0.078416599	Psmd7
ENSMUSG00000031209.14	981.3210058	-0.244862312	0.011437442	0.078528871	Heph
ENSMUSG00000031158.11	2631.901363	0.172834055	0.011458244	0.078636322	Timm17b
ENSMUSG00000034218.16	3978.717059	-0.160938877	0.011484537	0.078781344	Atm
ENSMUSG00000015671.11	7616.908381	0.120667404	0.011516653	0.078936444	Psma2
ENSMUSG00000055116.8	337.0237582	0.398726489	0.011517491	0.078936444	Arntl
ENSMUSG00000097769.7	1799.930012	-0.213537301	0.011526086	0.078959894	Snhg4
ENSMUSG00000044330.8	850.6278245	-0.271761695	0.011539811	0.079018458	RP23-329L9.1
ENSMUSG00000021737.4	6134.914165	0.129742117	0.011547929	0.079034613	Psmd6
ENSMUSG00000028842.15	1686.453189	-0.210790565	0.011552527	0.079034613	Ago3
ENSMUSG00000029518.15	3509.202264	0.156298192	0.011590521	0.079231151	Rab35
ENSMUSG00000062352.14	569.1753729	0.325306391	0.011591637	0.079231151	Igfb1bp1
ENSMUSG00000016554.9	6868.601525	0.129068122	0.011605377	0.079289557	Eif3d
ENSMUSG00000032113.16	2760.47478	0.162460622	0.011612317	0.079301474	Chek1
ENSMUSG00000042694.17	974.520302	0.248134594	0.011634832	0.079419699	Stn1
ENSMUSG00000078812.10	77722.60296	0.097530604	0.011700908	0.079835031	Eif5a
ENSMUSG00000024056.9	1722.340429	0.192532834	0.011712921	0.079862006	Ndc80
ENSMUSG00000036390.8	347.9032065	0.43275219	0.011715327	0.079862006	Gadd45a
ENSMUSG00000022272.17	6687.442008	-0.128389348	0.011726564	0.079867269	Myo10
ENSMUSG000000107877.1	270.614349	-0.461307976	0.01172609	0.079867269	RP23-207N15.7
ENSMUSG00000032216.14	50711.36553	-0.098819014	0.011774054	0.080119208	Nedd4
ENSMUSG00000073077.6	107.043588	-0.696415518	0.011771899	0.080119208	CHDC2
ENSMUSG00000042133.16	4718.530618	-0.143749303	0.011780047	0.080124269	Ppig
ENSMUSG00000018736.14	2030.531796	0.181352867	0.01179233	0.080172084	Ndel1
ENSMUSG00000027834.15	201.9978624	0.51311871	0.011804343	0.08021803	Serpini1
ENSMUSG00000041870.16	3142.872537	0.159885178	0.011828476	0.080310509	Ankrd13a
ENSMUSG00000053716.9	1251.474747	0.220580791	0.011826317	0.080310509	Dusp7
ENSMUSG00000035964.8	1254.822938	0.225032246	0.011837899	0.080338751	Tmem59l
ENSMUSG00000029135.10	439.3338384	-0.414198704	0.011867619	0.080504654	Fosl2
ENSMUSG00000047213.14	5720.80887	-0.136673332	0.011895278	0.080656432	Ythdf3
ENSMUSG00000028226.15	447.0020552	-0.346561574	0.011913459	0.080731681	Mmp16
ENSMUSG00000060261.15	13950.12363	-0.114130914	0.011916955	0.080731681	Gtf2i
ENSMUSG00000021796.15	6088.211257	-0.131670313	0.011925264	0.080734999	Bmpr1a
ENSMUSG00000031608.13	2693.612498	-0.171382731	0.011933313	0.080734999	Galnt7
ENSMUSG00000036941.2	452.4578037	0.356740094	0.01193154	0.080734999	Elac1
ENSMUSG00000020380.16	5541.537928	-0.135180521	0.011954167	0.080840254	Rad50
ENSMUSG00000030539.13	2230.09733	0.177375358	0.012002525	0.081105406	Sema4b
ENSMUSG00000096847.1	209.0465336	-0.50962989	0.012004004	0.081105406	Tmem151b
ENSMUSG00000006445.3	4775.025741	-0.140807317	0.012025256	0.08115021	Epha2
ENSMUSG00000018171.9	4422.954918	0.142424495	0.012023412	0.08115021	Vmp1
ENSMUSG00000041235.12	5835.784854	-0.144278073	0.012026586	0.08115021	Chd7
ENSMUSG00000070583.1	341.2585407	-0.436499239	0.012032847	0.081156583	Fv1
ENSMUSG00000006782.16	350.9271158	-0.403520832	0.012057351	0.081256448	Cnp
ENSMUSG00000025104.13	1721.569905	-0.199865865	0.012058301	0.081256448	Hdgfrp3
ENSMUSG00000005534.10	6052.397614	-0.126548006	0.012079509	0.081327547	Insr
ENSMUSG00000026494.12	2624.059398	-0.164173614	0.012074581	0.081327547	Kif26b
ENSMUSG00000036943.9	1000.393903	-0.240093933	0.012086917	0.081341543	Rab8b
ENSMUSG00000024533.16	3757.798846	-0.145404286	0.012106042	0.081434337	Spire1
ENSMUSG00000038970.7	5895.805073	-0.14371157	0.012119168	0.081450839	Lmtk2
ENSMUSG000000113611.1	1248.86708	0.240997673	0.012115532	0.081450839	RP24-65E6.4
ENSMUSG00000017723.11	1114.999083	-0.244157388	0.012130072	0.08148824	Wfdc2
ENSMUSG00000047260.4	3863.855513	0.146695696	0.012149204	0.081580862	Emc6
ENSMUSG00000035666.14	3397.041298	-0.153050404	0.012173829	0.081710269	Gtf3c4
ENSMUSG00000013921.15	2399.081117	0.169385358	0.012189417	0.081753914	Clip3
ENSMUSG00000020156.16	5348.045563	-0.134493356	0.012191044	0.081753914	Mum1
ENSMUSG00000031153.16	1159.320977	0.227661667	0.012246806	0.082056342	Gripap1
ENSMUSG00000041653.5	270.1958207	-0.447407445	0.012246894	0.082056342	Pnpla3
ENSMUSG00000015522.18	5261.124538	-0.136357237	0.01225478	0.082073146	Arnt
ENSMUSG00000036273.15	652.9333751	-0.296875164	0.012268264	0.082127418	Lrrk2
ENSMUSG00000068270.15	727.6634567	-0.291304048	0.012284473	0.082199874	Shroom4
ENSMUSG00000018412.16	3906.001142	-0.142536463	0.012303327	0.082289954	Kansl1
ENSMUSG00000075514.4	103.8773701	-0.704964626	0.01231066	0.082302938	RP23-177L19.1
ENSMUSG00000039849.5	1831.615749	-0.192323836	0.012320803	0.082334686	Pcif1
ENSMUSG00000031016.9	2473.236319	-0.17532215	0.012336648	0.082404489	Wee1
ENSMUSG00000080316.11	791.8716684	-0.276793617	0.012346633	0.082435109	Spaca6
ENSMUSG00000045410.18	1041.285875	0.249599277	0.012418826	0.082880864	Akr1e1
ENSMUSG00000026127.13	2731.184075	0.163761992	0.012439449	0.082982213	Imp4
ENSMUSG00000033233.17	311.8697969	-0.423623883	0.012486169	0.08325247	Trim45
ENSMUSG00000040818.10	2712.280726	-0.162418479	0.012490871	0.08325247	Dennd6a
ENSMUSG00000026457.14	7789.787427	0.119629447	0.012508103	0.083306487	Adipor1

ENSMUSG00000051329.13	5769.12928	-0.131653244	0.012509891	0.083306487	Nup160
ENSMUSG00000013160.7	2318.758914	-0.211975629	0.012534808	0.083436013	Atp6v0d1
ENSMUSG00000001672.14	221.4871155	-0.492895941	0.012554103	0.083455257	Marveld3
ENSMUSG00000033032.15	575.8340412	0.312421246	0.012552188	0.083455257	Afap111
ENSMUSG00000039480.14	446.3570081	-0.347362433	0.012553145	0.083455257	Nt5dc1
ENSMUSG00000032902.1	13125.31234	-0.109619653	0.012577358	0.083573448	Slc16a1
ENSMUSG00000058638.14	2387.173943	0.172618911	0.012588135	0.083608659	Zfp110
ENSMUSG00000014075.15	630.9865231	-0.296322004	0.012627114	0.083794628	Tctex1d2
ENSMUSG00000053390.15	563.5519572	0.309877025	0.012622047	0.083794628	Zfp952
ENSMUSG00000011306.7	2461.709734	0.172678099	0.01264802	0.083896883	Sugp1
ENSMUSG000000103039.1	108.1989508	-0.71894104	0.012658881	0.083932453	RP23-372117.5
ENSMUSG00000070972.13	371.0382905	0.380498172	0.012664733	0.083934791	Dnajc25
ENSMUSG00000005338.13	582.2996464	0.316019166	0.012694749	0.084097203	Cadm3
ENSMUSG00000075376.10	2914.255945	-0.164372519	0.01270607	0.08413568	Rc3h2
ENSMUSG00000022498.16	1663.096613	-0.194015492	0.012748751	0.084381695	Txndc11
ENSMUSG00000045382.6	823.6455974	-0.271285808	0.012776817	0.084530798	Cxcr4
ENSMUSG00000037070.10	6502.869444	-0.126106811	0.012822704	0.084760903	Rbmxl1
ENSMUSG000000062762.16	1639.715633	0.205654444	0.012821085	0.084760903	Ei2a
ENSMUSG00000002900.16	9739.533752	-0.112683544	0.012839977	0.084838344	Lamb1
ENSMUSG00000001440.5	50881.64988	0.0959891	0.012860947	0.084888348	Kpnb1
ENSMUSG00000031433.15	1359.982892	-0.247922205	0.012858989	0.084888348	Rbm41
ENSMUSG00000046572.10	3916.270255	0.157332945	0.01286423	0.084888348	Zfp518b
ENSMUSG00000032314.14	3429.168737	-0.159061711	0.012882909	0.084974864	Etfa
ENSMUSG00000019843.14	2319.123517	0.178462472	0.012915512	0.085151649	Fyn
ENSMUSG00000039345.16	639.8530811	0.309540071	0.012920869	0.085151649	Mettl22
ENSMUSG00000006333.14	44387.90851	0.10806572	0.01293203	0.085188423	Rps9
ENSMUSG00000000148.17	1024.301425	0.239023735	0.012956123	0.085295661	Brat1
ENSMUSG00000024187.14	2323.045455	0.173204161	0.012962481	0.085295661	Fam234a
ENSMUSG000000091449.2	10784.52434	0.113711359	0.012965075	0.085295661	Gm10269
ENSMUSG00000030111.9	3830.779633	-0.173684565	0.012972126	0.085305282	A2m
ENSMUSG00000028677.19	7899.424226	0.12019711	0.012986781	0.085364874	Rnf220
ENSMUSG00000028680.14	374.4727114	0.377726892	0.013019157	0.085540848	Plk3
ENSMUSG000000082674.1	1772.915796	-0.188599065	0.013043428	0.085663249	RP23-151N17.1
ENSMUSG000000101795.2	6053.021668	0.130048805	0.013049011	0.085663249	RP23-278M14.1
ENSMUSG00000004462.7	834.5463102	-0.26019276	0.013066635	0.085742071	Tbccd1
ENSMUSG00000037894.13	32438.71215	0.102714711	0.013087901	0.085844705	H2afz
ENSMUSG00000022536.14	6183.792378	-0.128289231	0.013106232	0.085928018	Glyr1
ENSMUSG00000025577.7	4757.432222	-0.133619276	0.01313181	0.086028973	Cbx2
ENSMUSG00000048076.14	18219.23949	0.103220141	0.013132904	0.086028973	Arf1
ENSMUSG000000046952.8	148.039086	-0.593678016	0.013147932	0.086090467	Gm5815
ENSMUSG00000024712.9	1636.292497	0.194641324	0.013162636	0.086149789	Rfk
ENSMUSG00000067377.12	324.8126369	0.400449235	0.013293173	0.086966867	Tspan6
ENSMUSG00000039463.14	1683.622401	0.1983633	0.013304838	0.087005891	Slc9a8
ENSMUSG00000035351.16	1694.037622	-0.192266406	0.013345425	0.087196586	Nup37
ENSMUSG00000099927.1	7845.637408	0.12933814	0.013341482	0.087196586	RP23-58N8.1
ENSMUSG00000024308.14	2823.566004	0.168236994	0.013358077	0.087204588	Tapbp
ENSMUSG00000030942.8	4997.651248	0.135513708	0.013357916	0.087204588	Thumpd1
ENSMUSG00000020176.17	1536.025825	0.203125529	0.013426609	0.087576845	Grb10
ENSMUSG00000033361.13	986.2006044	-0.248640914	0.013427416	0.087576845	Prrg3
ENSMUSG000000107182.1	73.61336178	0.843008096	0.013432313	0.087576845	RP24-196M24.2
ENSMUSG00000029614.13	68189.53184	0.10360461	0.013441952	0.087602267	Rpl6
ENSMUSG00000021986.8	220.2379311	-0.48738055	0.013513256	0.088029378	Amer2
ENSMUSG000000104293.1	156.097226	-0.599658637	0.013580351	0.088428712	RP23-363M8.2
ENSMUSG00000024172.10	261.0190174	-0.466790742	0.013599053	0.088475001	St6gal2
ENSMUSG00000036752.4	12060.75747	0.116497868	0.013595757	0.088475001	Tubb4b
ENSMUSG00000027176.8	2322.336718	-0.179537995	0.013612966	0.088490074	Cstf3
ENSMUSG00000033478.4	2365.568148	-0.168801077	0.01360952	0.088490074	Fam160b1
ENSMUSG00000011096.17	3488.569716	0.171087772	0.01362289	0.088516886	Akt1s1
ENSMUSG00000033307.7	30049.10946	0.122383541	0.01363042	0.088528126	Mif
ENSMUSG000000105928.1	330.2091396	-0.398081744	0.013645481	0.088588249	RP23-172K2.4
ENSMUSG00000069808.13	834.6521357	-0.25745449	0.013662303	0.08865975	Fam57a
ENSMUSG00000026114.14	635.567315	0.303676269	0.013695099	0.088834805	Gnga3
ENSMUSG00000018363.16	3286.99204	-0.154722331	0.013705229	0.088862746	Smurf2
ENSMUSG00000028654.13	3239.355276	-0.151060408	0.013719477	0.088879619	Mycl
ENSMUSG00000046449.15	274.9537649	-0.429133033	0.013713787	0.088879619	RP23-35L3.1
ENSMUSG00000066652.5	1832.098319	0.187384191	0.013749787	0.089038185	Lefty2
ENSMUSG00000040219.4	695.052341	-0.283411551	0.013761545	0.089076532	Ttc12
ENSMUSG00000052833.9	13950.71116	0.109763482	0.013781787	0.089169737	Sae1
ENSMUSG00000029128.12	2439.102212	0.166358704	0.013797899	0.089236156	Rab28
ENSMUSG00000017446.14	595.9873303	0.363478313	0.013814941	0.089308531	C1qtnf1
ENSMUSG00000063952.15	1054.958719	-0.231248802	0.013822865	0.089321929	Brpf3
ENSMUSG00000051396.15	417.4375838	0.36273899	0.01383186	0.089342228	RP23-167G19.12
ENSMUSG00000030339.7	738.35148	0.280702056	0.013905167	0.089777736	Ltbr
ENSMUSG00000015766.14	614.2083818	-0.297951378	0.013955309	0.090025308	Eps8

ENSMUSG00000058569.8	7058.354917	0.127685342	0.013955115	0.090025308	Tmed9
ENSMUSG00000023147.16	2766.011524	-0.165037877	0.014008133	0.090276232	Wrb
ENSMUSG00000027315.13	2640.0813	0.166243533	0.01401195	0.090276232	Spint1
ENSMUSG00000029121.16	6086.003422	0.135681822	0.014011449	0.090276232	Crmp1
ENSMUSG00000005566.14	36987.98655	0.098106509	0.014034305	0.090382107	Trim28
ENSMUSG00000002341.8	2456.480339	-0.165657978	0.014056337	0.09048582	Ncan
ENSMUSG00000024513.16	833.3330311	0.258694532	0.014080462	0.090575515	Mbd2
ENSMUSG00000053929.17	4334.923799	0.153119241	0.01408317	0.090575515	Cyhr1
ENSMUSG00000079260.3	659.3479463	-0.291674443	0.014088074	0.090575515	Tmppe
ENSMUSG000000081382.1	6289.861341	0.124640678	0.014094134	0.090576326	Rpl18-ps1
ENSMUSG00000032577.16	1208.467996	0.217788631	0.014103433	0.090597936	Mapkapk3
ENSMUSG00000037355.14	760.701349	-0.268010768	0.014119734	0.09066449	Uvssa
ENSMUSG00000038805.10	121.4674933	-0.71277505	0.014141669	0.090767155	Six3
ENSMUSG00000051166.10	2775.138973	-0.170760473	0.014150678	0.090786798	Eml5
ENSMUSG00000032067.6	825.5323546	-0.25964143	0.014163662	0.0908213	Pts
ENSMUSG000000067924.4	1225.05144	0.21629582	0.014173907	0.0908213	Cxx1b
ENSMUSG000000098915.1	18658.16622	0.101362336	0.014170155	0.0908213	Rpl15-ps2
ENSMUSG00000024186.15	893.4849478	-0.271773818	0.014193662	0.090909722	Rgs11
ENSMUSG00000039478.15	1028.284991	-0.237358358	0.014201017	0.090915568	Micu3
ENSMUSG00000073600.3	155.9676497	0.582125874	0.014206488	0.090915568	Prob1
ENSMUSG00000032251.12	1670.281179	0.196639019	0.014219445	0.090960345	Irak1bp1
ENSMUSG00000040234.16	3362.607677	0.153871073	0.014232354	0.091004787	Tm7sf3
ENSMUSG00000038990.14	974.57502	-0.242976596	0.014256195	0.091119058	Cables2
ENSMUSG00000027520.15	1593.814099	-0.197556448	0.014293992	0.091210347	Zdbf2
ENSMUSG00000033793.12	1565.486152	0.195294371	0.014294382	0.091210347	Atp6v1h
ENSMUSG00000039048.15	1622.935079	0.205386431	0.014284946	0.091210347	Foxred1
ENSMUSG000000069814.6	424.8378966	0.352056159	0.014292446	0.091210347	Ccdc92b
ENSMUSG00000027822.16	1468.338164	-0.207646692	0.014318605	0.091321437	Slc33a1
ENSMUSG000000090919.6	403.9938039	-0.3573825	0.014323758	0.091321437	Pabpc4l
ENSMUSG000000102602.1	517.7164356	-0.328384209	0.014337579	0.091371387	RP23-13A13.6
ENSMUSG00000027018.11	6880.779036	-0.12033051	0.014369281	0.091535198	Hat1
ENSMUSG00000024862.16	2820.849914	0.162200834	0.01440866	0.0917095	Klc2
ENSMUSG000000109511.1	7482.86298	0.123708318	0.014405967	0.0917095	Nup62
ENSMUSG00000002844.9	3795.153266	0.152919505	0.014454761	0.091964574	Adprh
ENSMUSG000000002031.12	2385.268625	0.18812822	0.014485976	0.091965364	lft46
ENSMUSG00000025384.15	831.4905123	0.256084156	0.014479036	0.091965364	Faap100
ENSMUSG00000025538.15	769.2418838	0.268107859	0.0144887	0.091965364	Sumf2
ENSMUSG000000031904.5	5991.882793	0.124605598	0.014474577	0.091965364	Slc7a6
ENSMUSG00000048677.9	886.7094384	0.253092884	0.014475984	0.091965364	Tpcn2
ENSMUSG000000067147.7	7843.409725	0.127805931	0.014491037	0.091965364	Rpl7a-ps11
ENSMUSG00000026270.11	1385.686896	0.216737396	0.014500013	0.091984078	Capn10
ENSMUSG00000039879.9	1377.390259	-0.204293614	0.01451494	0.09200057	Heca
ENSMUSG00000046318.15	267.2769904	-0.432464595	0.014520695	0.09200057	Ccbe1
ENSMUSG00000047824.13	3062.034044	0.152116656	0.014513732	0.09200057	Pygo2
ENSMUSG000000102555.1	154.7800403	-0.564276807	0.014556086	0.092186534	RP23-474B13.2
ENSMUSG000000037773.14	1341.108713	-0.216352855	0.014646218	0.092680439	Pced1a
ENSMUSG00000071649.5	2127.855381	0.172470617	0.014646211	0.092680439	B3gat3
ENSMUSG00000030231.11	7160.686247	-0.121951656	0.014674962	0.092823849	Plekha5
ENSMUSG00000026496.11	19363.43074	0.100566085	0.014723654	0.092983786	Parp1
ENSMUSG00000026696.15	841.3384511	0.262298646	0.014710341	0.092983786	Vamp4
ENSMUSG00000029638.17	124.6427178	-0.657998518	0.014724616	0.092983786	Glccl1
ENSMUSG00000055254.15	1217.45188	-0.235387093	0.014713769	0.092983786	Ntrk2
ENSMUSG00000021095.5	249.9452203	-0.455561739	0.014735013	0.093010961	Gsc
ENSMUSG00000015149.14	1173.402961	0.221815192	0.0147521	0.093062326	Sirt2
ENSMUSG00000025922.9	3775.164354	0.144406282	0.014755345	0.093062326	RP23-382O21.1
ENSMUSG00000018796.13	890.7006805	0.254833812	0.014775303	0.093123641	Acs1
ENSMUSG000000097278.7	96.37040977	-0.713330765	0.014777269	0.093123641	RP23-71L2.6
ENSMUSG00000031548.7	5768.523497	0.140590981	0.014788993	0.093159061	Sfrp1
ENSMUSG00000107713.1	5162.766474	0.130811108	0.014841792	0.093414543	RP23-12A18.7
ENSMUSG000000116348.1	109.6728019	-0.665962727	0.014839959	0.093414543	RP24-129J16.1
ENSMUSG00000019866.14	128.1119556	-0.62592063	0.014867223	0.093478013	Aim1
ENSMUSG000000059658.5	560.6257739	0.303486335	0.014870249	0.093478013	Mif-ps6
ENSMUSG00000074024.5	149.5309839	-0.594717272	0.014865967	0.093478013	AC104921.1
ENSMUSG00000072501.5	1812.02165	-0.18547065	0.014897329	0.093609686	Phf20I1
ENSMUSG00000001229.8	2423.583791	-0.164864456	0.014921858	0.093725232	Dpp9
ENSMUSG00000056091.12	1181.250063	-0.229820068	0.014964579	0.093916273	St3gal5
ENSMUSG000000089756.2	1369.569189	-0.20876313	0.01495886	0.093916273	RP23-355G16.6
ENSMUSG00000022898.13	1905.737794	0.178475551	0.014989334	0.093994333	Dscr3
ENSMUSG00000062822.8	1356.575548	-0.20507508	0.014985529	0.093994333	CH36-200G6.4
ENSMUSG00000101660.1	258.1296438	-0.437990189	0.015003973	0.094047488	RP23-397C14.2
ENSMUSG00000074034.1	6786.134879	0.136515381	0.015011044	0.094053185	RP23-271F18.1
ENSMUSG00000026098.13	899.4855829	-0.249732984	0.015020625	0.094074598	Pms1
ENSMUSG00000004535.12	4360.805749	0.136768694	0.015097371	0.094477726	Tax1bp1
ENSMUSG00000024758.14	16153.70966	-0.108586994	0.015094122	0.094477726	Rtn3

ENSMUSG00000022545.13	819.2987244	-0.256656324	0.015119144	0.094575204	Erc4
ENSMUSG00000034472.13	292.92572	-0.453740163	0.015138556	0.094657837	Rasd2
ENSMUSG00000058318.15	2824.12675	-0.167944676	0.015151988	0.094693598	Phf21a
ENSMUSG00000073198.5	2036.081342	-0.175018975	0.015156683	0.094693598	RP24-66D20.6
ENSMUSG00000054400.16	654.2978986	-0.283295299	0.01519703	0.094906818	Cklf
ENSMUSG00000053080.10	1560.573958	0.198192123	0.015247721	0.095184444	AC129188.1
ENSMUSG00000033676.13	1392.757011	-0.210200109	0.015281	0.095353189	Gabrb3
ENSMUSG00000025758.10	2680.524092	-0.157385859	0.01529806	0.095420636	Plk4
ENSMUSG00000038930.11	1114.675673	-0.226702625	0.015307072	0.095437842	Rccd1
ENSMUSG00000026856.14	2335.097443	0.166402749	0.015326618	0.095520693	Dolpp1
ENSMUSG00000081992.1	17181.30194	0.100397913	0.015373235	0.095772117	RP23-14N22.2
ENSMUSG00000066442.17	316.2537168	-0.397867018	0.015409059	0.095956127	Mthfs
ENSMUSG00000019791.12	299.0103253	-0.406972475	0.015472318	0.096310762	Hint3
ENSMUSG00000052334.11	81.60659777	0.798069275	0.015485597	0.096354126	RP24-553G19.5
ENSMUSG00000024112.16	858.164678	-0.249148796	0.015498116	0.096392726	Cacna1h
ENSMUSG00000028016.9	946.7581791	-0.24099641	0.015508904	0.096420532	Ints12
ENSMUSG00000032368.14	154.4376439	-0.563606915	0.015549344	0.096632588	Zic1
ENSMUSG00000032840.7	1596.465207	0.20831671	0.015590726	0.096810922	AC125061.1
ENSMUSG00000083852.1	408.6918653	0.357582803	0.015586788	0.096810922	RP23-161N17.11
ENSMUSG00000030516.14	7692.135221	-0.12655978	0.015608824	0.096844505	Tjp1
ENSMUSG00000035873.8	2812.482961	0.168854812	0.015607354	0.096844505	Pawr
ENSMUSG00000023827.8	2247.823444	0.176064083	0.01566155	0.097132156	Agpat4
ENSMUSG00000026554.15	5084.452992	-0.13091556	0.015724078	0.097480344	Dcaf8
ENSMUSG00000028837.8	4870.49548	0.129411284	0.015744019	0.097551342	Psemb2
ENSMUSG00000095648.7	1070.755189	-0.226988135	0.015748313	0.097551342	RP23-83O23.2
ENSMUSG00000042873.11	1169.440626	0.220618436	0.015758458	0.097574582	Lhfp4
ENSMUSG00000041482.16	956.7021528	-0.235972836	0.015773843	0.097630239	Piezo2
ENSMUSG00000099624.1	241.3174768	-0.457427528	0.015860155	0.098124662	RP24-171A4.1
ENSMUSG00000084319.3	9299.359104	0.125198803	0.015868967	0.098139401	Tpt1-ps3
ENSMUSG00000024754.12	7552.677947	-0.126264597	0.015915977	0.098390263	Tmem2
ENSMUSG00000002799.6	4047.427399	0.141185704	0.015926753	0.098417015	Jag2
ENSMUSG00000049235.8	4520.123572	-0.133805476	0.01594513	0.098490701	RP23-299A24.2
ENSMUSG00000071644.10	53646.53786	0.095303143	0.015983218	0.098686024	Eef1g
ENSMUSG00000029175.17	1230.154176	0.212078641	0.016025082	0.0989045	Slc35f6
ENSMUSG00000021938.12	3959.336592	0.147686395	0.016045275	0.098989101	Pspc1
ENSMUSG00000090576.2	60.94692179	-0.954205543	0.016072653	0.099117938	RP23-131B11.2
ENSMUSG00000025047.8	9822.662739	-0.110446261	0.01607989	0.099122523	Pdcd11
ENSMUSG00000022387.17	5889.472094	0.123193604	0.016088945	0.099138297	Brd1
ENSMUSG00000052949.14	571.5226054	-0.340683706	0.016110819	0.099233024	Rnf157
ENSMUSG00000011382.8	742.0135652	-0.265896097	0.016148149	0.099382743	Dhdh
ENSMUSG00000034245.10	880.1211841	0.263314363	0.01614737	0.099382743	Hdac11
ENSMUSG00000035697.14	1204.487985	-0.215448443	0.016158353	0.099405456	Arhgap45
ENSMUSG00000030717.9	60.91906576	0.884592018	0.016212504	0.099698411	Nupr1
ENSMUSG00000021610.8	2673.076751	0.165362955	0.016227738	0.0997519	Clptm1l
ENSMUSG00000002741.9	4858.312983	0.128572303	0.016256449	0.099871898	Ykt6
ENSMUSG00000096755.2	113.0210499	0.666811496	0.016260346	0.099871898	CH25-11N3.1
ENSMUSG00000001910.4	10061.40331	0.108617086	0.01627971	0.09991042	Nacc1
ENSMUSG00000053166.14	332.2778063	-0.382297329	0.016273945	0.09991042	Cdh22

Supplemental Table 9: Genes with significant changes in 3'UTR length upon KD of Kps6 quantified with DaPara. Δ PDIUI > 5%, false discovery rate (FDR) < 10%.

Ensembl_gene_id	Gene_name	Chrom	Strand	fl_value	Predicted_Proximal_APA_Loc	KD.CPSF6_1_long_exp	KD.CPSF6_1_short_exp	KD.CPSF6_1_PDIUI	KD.CPSF6_2_long_exp	KD.CPSF6_2_short_exp	KD.CPSF6_2_PDIUI	Ctrl_1_long_exp	Ctrl_1_short_exp	Ctrl_1_PDIUI	Group_Ctrl_Mean_PDIUI	Group_KD.CPSF6_Mean_PDIUI	PDIUI_Group_diff	Pvalue	Adjusted_Pvalue			
ENSMUST00000890171	Fncd3a	chr4	-	176.6	72540251	28.46	103.92	0.22	28.09	103.92	0.16	90.85	0.07	1	88.63	0.19	0.19	-0.81	2.76E-41	1.25E-39		
ENSMUST0000112010.8	At2	chr2	-	1125.4	73818684	65.85	285.18	0.21	70.41	279.29	0.21	232.56	10.91	0.96	245.77	11	0.96	0.195	-0.765	2.32E-88	4.00E-86	
ENSMUST0000089190.9	Riag2	chr4	-	2168.4	33018890	80.58	257.42	0.24	87.52	335.86	0.22	310.21	9.66	0.97	310.21	0	1	0.225	0.985	4.78E-11	1.65E-10	
ENSMUST000013461.13	Cit2	chr2	-	1011.9	91215694	52.94	291.27	0.13	52.94	291.27	0.13	344.42	0.17	1	344.42	0	0	0.13	0.885	4.72E-13	3.35E-13	
ENSMUST0000119706.7	Plekha8	chr6	+	393.4	54640999	32.88	162.24	0.18	106.0	165.71	0.18	106.0	2.91	0.97	110.74	14.18	0.89	0.175	-0.755	7.26E-42	3.32E-40	
ENSMUST0000086025.15	Coc9d3	chr1	+	253.3	121501916	28.88	110.23	0.2	36.06	101.93	0.24	86.43	0.24	1	90.45	4.36	0.96	0.225	0.975	6.71E-34	2.33E-32	
ENSMUST00002020912.1	Ch12	chr12	+	61.6	408442784	11.38	49.25	0.13	11.38	49.25	0.13	54.85	0.25	1	145.17	0	0	0.13	0.27	1.77E-46	3.22E-44	
ENSMUST0000127330.2	Pak3	chrX	+	104.5	143791722	14.97	56.12	0.21	13.76	46.5	0.23	41.82	5.4	0.89	38.48	0	1	0.22	0.945	-0.725	5.43E-15	8.02E-14
ENSMUST0000033640.13	Pak3	chrX	+	104.5	143791722	14.97	56.12	0.21	13.76	46.5	0.23	41.8	5.42	0.89	38.47	0	1	0.22	0.945	-0.725	5.43E-15	8.02E-14
ENSMUST0000172818.7	Pi2	chr17	-	592	64283090	36.92	137.7	0.21	45.97	165.25	0.35	138.47	0.1	1	145.06	0	1	0.28	0.81	1.77E-44	9.65E-45	
ENSMUST000004888.14	Pi2	chr17	-	592	64283090	36.92	137.7	0.21	45.97	165.25	0.35	138.38	0.1	1	145.06	0	1	0.28	0.81	1.77E-44	9.65E-45	
ENSMUST000023101.9	Sc38a4	chr5	+	11234.4	9699878	190.27	625.48	0.23	225.48	753.83	0.23	738.04	44.54	0.94	642.4	38.17	0.94	0.225	0.94	-0.712	1.67E-213	6.66E-210
ENSMUST0000063314.6	Gdf2a1	chr12	-	1771.3	91595965	52.31	284.84	0.16	62.21	336.17	0.16	151.62	2.58	0.98	142.52	46.47	0.75	0.16	0.865	-0.705	1.11E-57	8.62E-56
ENSMUST0000160824.7	Nesef1	chr1	+	217.1	60333981	20.56	21.11	0.19	4.39	25.52	0.19	4.39	0.92	1	49.76	4.88	0.91	0.21	0.915	-0.705	7.85E-19	1.40E-17
ENSMUST0000070864.13	Casna1b	chr2	-	78.2	24606434	10.98	33.94	0.12	10.98	33.94	0.12	30.17	0.8	1	30.17	0.8	0.79	0.2	0.895	2.02E-10	2.02E-09	
ENSMUST0000112017.7	At2	chr2	-	2064.1	73818686	65.85	285.18	0.26	70.76	249.87	0.29	226.71	16.84	0.93	261.43	0	1	0.275	0.965	-0.69	3.13E-76	4.30E-74
ENSMUST0000161693.7	Rch11	chr1	+	261.7	160967861	35.86	37.74	0.22	37.74	144.64	0.21	58.14	0.78	1	58.34	14.64	0.8	0.215	-0.685	2.05E-22	4.75E-21	
ENSMUST0000028600.13	Hpk3	chr2	-	379.9	10442909	25.69	194.63	0.12	25.69	194.13	0.12	59.15	60.5	0.95	8.95	0.87	0.12	0.88	3.81E-28	1.10E-26	1.10E-26	
ENSMUST0000109399.8	Tnpo1	chr3	-	2730.1	98844051	351.99	787.38	0.31	327.09	840.56	0.28	663.69	1	1	698.01	44.39	0.94	0.295	0.97	-0.675	4.07E-210	1.02E-206
ENSMUST0000139506.7	Ncd1	chr4	+	237.6	107414261	90.95	321.66	0.22	119.31	362.03	0.25	464.09	83.38	0.85	414.93	16.39	0.96	0.235	0.905	-0.67	2.22E-102	5.72E-100
ENSMUST0000118317.7	Hpk1	chr3	-	568.5	103749334	32.45	132.1	0.34	32.45	290.36	0.34	301.95	0.33	0.93	301.95	0	1	0.33	0.93	1.02E-89	2.06E-87	
ENSMUST0000078486.12	Tcd4	chr17	+	2170.8	78951868	66.9	83.62	0.26	66.9	175.74	0.32	215.98	0	1	214.56	19.91	0.92	0.96	0.97	-0.67	9.66E-58	7.52E-56
ENSMUST0000165686.8	Amgrf12	chr1	+	987.4	69683597	42.54	102.2	0.32	42.54	182.33	0.32	142.33	0.89	0.99	123.97	0	1	0.325	0.995	-0.67	2.02E-38	1.87E-37
ENSMUST0000037488.7	Dock4	chr2	+	70.1	40844790	12.03	26.96	0.12	12.03	34.77	0.25	44.25	4.85	0.9	45.58	0.52	0.99	0.28	0.92	-0.665	5.65E-12	6.48E-11
ENSMUST0000102729.9	Eps15	chr4	-	1215.9	10938524	61.83	113.27	0.31	61.83	113.27	0.25	247.25	28.67	0.9	248.25	0.47	0.91	0.245	0.905	-0.66	9.23E-61	7.63E-59
ENSMUST0000034643.8	Ino2	chr9	+	368.2	54909969	136.33	393.92	0.26	151.99	393.24	0.29	382.43	27.28	0.93	384.79	31.65	0.92	0.27	0.945	-0.655	4.99E-101	1.64E-101
ENSMUST0000028752.10	Cntx4	chr2	-	108.8	15782326	40.36	152.97	0.26	40.36	152.97	0.26	152.97	0.27	0.84	152.97	0	1	0.26	0.945	-0.655	4.99E-101	1.64E-101
ENSMUST0000109066.1	Gm14393	chr2	-	288.9	17506300	7.44	28.88	0.2	7.44	34.87	0.28	37.71	6.87	0.85	32.69	10.75	0.145	0.58	-0.655	1.22E-09	1.17E-08	
ENSMUST0000061896.5	Gpm1	chr19	-	352.5	55070775	54.17	100.92	0.35	74.19	135.05	0.35	112.58	0	1	116.35	0	1	0.35	0.91	-0.65	1.81E-35	6.53E-34
ENSMUST0000036248.6	Sc38a4	chr5	+	11663.5	9699878	149.07	625.48	0.23	189.07	753.83	0.23	753.83	44.54	0.94	642.4	38.17	0.94	0.225	0.94	-0.712	1.67E-213	6.66E-210
ENSMUST0000114865.9	Tcd4	chr18	-	1087.3	69683597	42.62	102.2	0.39	42.62	179.36	0.39	141.31	2.25	0.98	121.83	1.11	0.99	0.34	0.985	-0.645	3.01E-35	1.11E-33
ENSMUST0000102829.3	Tcd3b9	chr4	-	4279.5	83267172	106.15	199.91	0.35	103.66	179.2	0.37	238.44	0	1	214.76	0	1	0.36	0.91	-0.64	3.40E-65	3.19E-63
ENSMUST0000122819.6	Dnk4	chr16	-	1023.1	147470361	47.23	174.37	0.24	47.23	174.37	0.24	174.37	0.43	0.78	174.37	0.43	0.8	0.215	-0.635	4.95E-46	1.86E-44	
ENSMUST000011018.6	Gak3b	chr4	-	1018.8	38240703	49.57	162.86	0.41	49.57	162.86	0.41	162.86	19.41	0.89	164.4	29.69	0.85	0.23	0.84	-0.635	3.77E-40	1.64E-38
ENSMUST0000112907.7	Aca4	chrX	-	29190.5	142320624	469.4	1740.89	0.21	536.39	1746.68	0.23	1176.81	245.23	0.83	1048.58	140.7	0.88	0.22	0.86	-0.635	1.81E-308	1.44E-302
ENSMUST0000114513.8	Gli3	chr1	-	1820.4	52168000	113.79	361.8	0.17	107.45	366.76	0.16	497.68	13.98	0.78	457.67	10.32	0.82	0.165	0.835	-0.635	1.10E-23	2.64E-22
ENSMUST0000114049.7	Gli3	chr1	-	702.6	28222196	53.34	113.86	0.22	282.22	282.22	0.22	282.22	0.37	0.93	282.22	0.37	0.93	0.22	0.93	-0.635	1.10E-23	2.64E-22
ENSMUST0000025541.5	Gnaq	chr19	+	1121.6	16384479	31.78	113.86	0.3	31.78	113.86	0.3	54.37	0.42	1	129.21	0	1	0.37	0.91	-0.63	2.82E-29	3.98E-28
ENSMUST0000050166.13	Adam22	chr5	-	136.7	8078505	9.48	92.35	0.32	9.48	92.35	0.32	111.96	10.98	0.8	39.77	16.7	0.68	0.11	0.74	-0.63	1.28E-19	4.89E-18
ENSMUST0000084433.10	Tmod1	chr19	-	173.2	75373897	28.2	71.92	0.28	28.2	71.92	0.28	71.92	0.31	0.94	71.92	0	1	0.31	0.97	-0.61	1.44E-22	3.32E-21
ENSMUST0000089552.9	Tmod2	chr9	-	173.2	75373897	28.2	71.92	0.28	28.2	71.92	0.28	71.92	0.31	0.94	71.92	0	1	0.31	0.97	-0.61	1.44E-22	3.32E-21
ENSMUST0000099799.4	Tcd132	chr10	-	61.7	5601741	21.36	12.24	0.28	21.36	12.24	0.28	46.52	0	1	45.49	10.23	0.82	0.28	0.75	-0.63	1.21E-13	1.62E-12
ENSMUST0000106989.8	Ahnag3c	chr9	+	335.9	32261231	32.99	91.31	0.31	32.99	91.31	0.31	99.78	0.8	0.78	91.31	0.11	0.93	0.34	0.94	-0.625	7.67E-20	1.48E-18
ENSMUST0000045614.3	Pi2	chr17	-	592	64283090	36.92	137.7	0.21	45.97	165.25	0.35	138.38	0.1	1	145.06	0	1	0.28	0.81	1.77E-44	9.65E-45	
ENSMUST0000069870.9	Arf5b	chr2	+	664.3	15074625	82.7	152.65	0.33	66.43	168.09	0.33	168.09	0	1	168.79	6.48	0.92	0.34	0.96	-0.62	5.66E-42	2.60E-40
ENSMUST0000139893.1	Cdk5	chrX	-	178.6	16808474	15.22	58.29	0.21	16.83	62.68	0.21	43.25	16.92	0.72	51.38	2.99	0.94	0.21	0.83	-0.62	3.01E-13	3.89E-12
ENSMUST0000023239.8	Sc38a4	chr5	+	1936.6	9699878	151.17	625.48	0.23	151.17	625.48	0.23	625.48	44.54	0.94	642.4	38.17	0.94	0.225	0.94	-0.712	1.67E-213	6.66E-210
ENSMUST000007739.9	Pgap1	chr1	+	3331.1	54479253	185.75	691.86	0.39	185.75	691.86	0.39	721.42	1	1	305.55	0	1	0.39	0.81	-0.61	4.74E-89	8.80E-87
ENSMUST0000079314.11	Gmb	chr14	-	4078.8	46811622	90.81	313.05	0.25	90.81	313.05	0.25	357.54	38.65	0.9	358.1	96.66	0.79	0.235	0.865	-0.61	6.55E-71	7.41E-69
ENSMUST0000179881.41	Tmod1	chr19	-	173.2	75373897	28.2	71.92	0.28	28.2	71.92	0.28	71.92	0.31	0.94	71.92	0	1	0.31	0.97	-0.61	1.44E-22	3.32E-21
ENSMUST0000050281.11	Eps15	chr4	+	1551.2	10938524	61.83	113.27	0.31	61.83	113.27	0.25	247.25	28.67	0.9	248.25	0.47	0.91	0.245	0.905	-0.61	9.23E-61	7.63E-59
ENSMUST0000119284.7	Pkd3	chr17	-	785.6	78951868	66.9	83.62	0.26	66.9													

ENSMUST0000080953.11	Lrp2	chr2	-	2767	69425052	chr2:69424340-69425803	100.72	396.12	0.2	116.75	503.55	0.19	583.41	182.27	0.76	473.07	175.57	0.72	0.195	0.74	-0.545	4.37E-89	8.82E-87	
ENSMUST0000028238.14	Rarb14	chr2	-	5110.8	35181890	chr2:35180205-35182447	147.66	381.39	0.28	158.6	347.87	0.31	389.22	51.54	0.88	375.13	93.96	0.8	0.295	0.84	-0.545	3.55E-69	3.83E-67	
ENSMUST0000027873.1	Trapp5	chr8	-	574.78	697623	chr8:697610-697623	74.87	86.25	0.45	158.23	158.23	0.45	158.23	0	0	152.88	0	0	0.455	1	-0.545	7.81E-32	2.45E-30	
ENSMUST0000034017.8	Klh2	chr8	-	887.9	64740585	chr8:64739675-64740974	43.71	180.77	0.19	51.94	164.81	0.24	113.6	32.65	0.81	116.01	47.86	0.71	0.215	0.76	-0.545	2.00E-27	5.70E-26	
ENSMUST0000049321.1	Crb1	chr1	+	567.3	6459790	chr1:64597234-6460125	45.54	143.12	0.25	50.89	128.94	0.28	112.26	38	0.76	136.43	21.83	0.83	0.86	0.265	0.81	-0.545	3.08E-25	7.88E-24
ENSMUST00000303480.12	Atp11c	chr2	-	252.2	60225592	chr2:60223293-60225793	44.21	34.84	0.56	39.65	40.56	0.35	113.04	0	0	74.55	0	0	0.455	1	-0.545	2.26E-22	5.12E-21	
ENSMUST00000216582.1	Dobz1	chr10	-	427.7	10032190	chr10:10031945-100321978	103.86	103.86	0.2	103.86	103.86	0.2	103.86	16.3	0.85	100.39	0.7	0.23	0.455	0.775	0.23	-0.545	1.06E-19	1.31E-17
ENSMUST0000041968.10	Tmem135	chr7	-	583.1	8914720	chr7:89139714-8914170	46.31	117.46	0.34	89.22	109.94	0.34	89.22	0.34	0.84	84.46	12.99	0.87	0.31	0.855	0.545	2.03E-18	3.64E-17	
ENSMUST00000110938.1	Emerg	chr1	+	223.1	186212937	chr1:186210895-186214884	41.33	41.33	0.46	41.33	41.33	0.46	41.33	0	0	78.36	0	1	0.455	1	-0.545	2.24E-17	3.78E-16	
ENSMUST00000160718.7	Miba3p	chr1	+	277.5	60867336	chr1:608671024-60867729	52.6	52.6	0.45	52.6	52.6	0.45	52.6	134.1	0.6	146.67	12.76	0.8	0.455	0.8	-0.545	2.38E-16	3.83E-15	
ENSMUST00000215614.1	Tmod2	chr9	-	119.8	75573904	chr9:75573588-75574123	42.59	58.75	0.47	42.04	53.52	0.47	49.42	0	1	54.8	0.98	0.98	0.445	0.99	-0.545	3.52E-14	4.88E-13	
ENSMUST0000036497.15	Pkar2b	chr2	-	84.3	31960270	chr2:319588476-31960522	13.24	24.28	0.22	13.24	17.21	0.22	28.41	2.11	0.93	25.74	13.58	0.65	0.445	0.79	-0.545	1.61E-07	4.40E-06	
ENSMUST00000169848.7	Pknox	chr1	+	84.3	31960340	chr1:31960340-31960522	13.25	13.25	0.22	13.25	13.25	0.22	28.41	2.11	0.93	25.74	13.58	0.65	0.445	0.79	-0.545	1.61E-07	4.40E-06	
ENSMUST0000034878.11	Tmem30a	chr9	-	3236.8	7977903	chr9:7976945-7977147	166.47	336.46	0.33	196.35	371.91	0.35	338.5	53.22	0.86	317.68	34.41	0.9	0.34	0.88	-0.54	9.97E-65	9.09E-63	
ENSMUST0000031695.14	Waii	chr6	-	721.6	24618138	chr6:24613805-24616346	141.22	306.39	0.35	136.19	356.29	0.39	234.16	34.72	0.87	232.58	13.08	0.95	0.37	0.93	-0.54	1.60E-65	6.54E-67	
ENSMUST0000007542.2	Cep76	chr6	-	576.8	67619068	chr6:6761871-67618761372	56.19	106.29	0.35	63.92	73.09	0.47	88.17	8.21	0.91	83.43	0.64	0.99	0.41	0.91	-0.54	1.21E-19	2.35E-18	
ENSMUST00000068729.9	Pde4a	chr3	+	222.6	122658085	chr3:122658105-122659374	24.37	25.6	0.43	25.6	25.6	0.43	25.6	17.46	0.8	24.68	1.17	0.98	0.45	0.94	-0.54	3.96E-11	4.24E-10	
ENSMUST0000016547.2	Chc1	chrX	+	175	10338961	chrX:103389460-10339602	27.46	41.35	0.36	55.76	55.76	0.36	55.76	0.51	0.99	54.56	9.86	0.85	0.38	0.51	-0.54	9.07E-05	6.23E-10	
ENSMUST0000003568.13	Sema3c	chr5	+	104.2	17272938	chr5:17272345-17273028	7.4	50.75	0.13	14.34	30.45	0.19	45.54	37.44	0.55	35.93	6.35	0.85	0.16	0.7	-0.54	7.54E-09	6.73E-08	
ENSMUST0000005658.76	Fgfp1	chr1	+	53.6	155086676	chr1:155084919-155088939	12.25	17.55	0.34	12.25	17.55	0.34	30.26	3.11	0.76	30.74	3.45	0.9	0.355	0.805	-0.54	4.48E-06	2.87E-05	
ENSMUST0000070681.6	Gdd	chr1	+	3480.6	60442635	chr1:60441979-60445277	151.03	326.55	0.32	172.17	610.43	0.35	329.45	42.35	0.89	371.29	63.59	0.85	0.335	0.87	-0.54	2.47E-62	2.14E-60	
ENSMUST0000048263.13	Wap1	chr14	+	2084.6	34746146	chr14:34745625-34747983	110.27	332.48	0.25	127.59	349.59	0.27	271.28	63.33	0.81	296.15	82.75	0.78	0.26	0.795	-0.535	6.49E-55	4.69E-53	
ENSMUST0000010978.9	Ccl14b	chr13	-	716.9	64198108	chr13:64195339-64196875	96.35	104.69	0.48	99.26	136.92	0.42	210.07	0	0	200.51	6.33	0.97	0.45	0.855	-0.535	1.73E-40	7.57E-39	
ENSMUST0000074653.4	8030462N17Rk	chr18	-	730.9	7765050	chr18:77653281-77653528	92.49	136.63	0.44	105.24	105.24	0.44	169.0	1	1	170.83	16.1	0.91	0.26	0.925	-0.535	3.98E-32	1.26E-30	
ENSMUST0000063988.13	Th1x1r1	chr3	+	645	22210801	chr3:22210401-22215293	71.76	226.65	0.24	68.79	241.08	0.22	116.96	27.37	0.81	111.62	42.56	0.72	0.23	0.765	-0.535	7.95E-28	8.10E-27	
ENSMUST00000107812.7	IBD3	chr3	-	660.1	6893829	chr3:68932496-68984181	43	70.61	0.38	57.66	47.67	0.55	134.84	0	1	118.56	0	1	0.465	1	-0.535	1.76E-25	4.57E-24	
ENSMUST00000112268.7	Tanc1	chr2	+	341.8	59440533	chr2:59440295-59449177	117.92	152.05	0.45	95.94	109.98	0.45	95.94	0	0	109.98	0	0	0.465	1	-0.535	3.72E-21	7.82E-20	
ENSMUST0000016553.4	Nkap	chrX	+	239	37148235	chrX:37147791-37150698	22.19	132.62	0.18	24.87	127.19	0.18	67.68	36.49	0.65	70.26	29.51	0.72	0.15	0.685	-0.535	2.55E-18	4.84E-17	
ENSMUST0000004923.1	Ulk2	chr1	+	157.4	61777517	chr1:61775649-61777839	15.85	39.6	0.29	14.08	64.08	0.21	42.18	6.28	0.91	40.25	20.59	0.66	0.25	0.785	-0.535	5.33E-09	4.86E-07	
ENSMUST0000010328.7	Aznr1	chr5	-	2578.2	351548820	chr5:351548820-351548820	89.25	89.25	0.21	89.25	89.25	0.21	89.25	0	0	428.38	153.79	0.74	0.455	0.74	-0.545	2.33E-04	2.65E-03	
ENSMUST0000042732.55	Fbox45	chr16	-	1143.1	32231789	chr16:32230112-32233568	57.99	148.37	0.28	60.23	146.76	0.29	134.56	20.84	0.87	125.3	39.14	0.76	0.285	0.815	-0.53	1.64E-24	4.07E-23	
ENSMUST00000108987.7	Os_Sep	chr1	+	3012.1	63541783	chr1:63541210-63544095	146.89	214.17	0.47	354.71	191.15	0.47	354.71	13.96	0.96	367.17	11.04	0.97	0.44	0.965	-0.525	2.66E-63	2.37E-61	
ENSMUST00000107573.4	Ube3a	chr7	+	156.3	59305465	chr7:59304480-59306727	130.33	169.96	0.43	126.06	212.79	0.37	245.79	4.2	0.98	235.38	35.04	0.87	0.4	0.925	-0.525	3.57E-43	1.72E-41	
ENSMUST00000066423.3	Itih1	chr16	-	179.6	91618703	chr16:91618703-91618765	31.96	31.96	0.36	31.96	31.96	0.36	31.96	274.02	0.76	31.96	0.76	0.98	0.36	0.98	-0.525	2.87E-38	2.87E-36	
ENSMUST0000010492.9	E330009J07Rk	chr6	-	182.5	44008499	chr6:44001375-44006834	37.47	54.12	0.1	55.3	68.12	0.1	55.3	68.12	0.1	76.65	0.39	0.99	0.47	0.975	-0.525	4.98E-18	7.80E-15	
ENSMUST0000001069.12	Seppaca5	chr5	-	197.9	52643832	chr5:52640087-52644107	33.46	80.78	0.27	29.78	78.78	0.27	69.69	14.15	0.83	67.2	18.5	0.78	0.28	0.805	-0.525	1.32E-13	1.77E-12	
ENSMUST0000009886.7	Zfpb41	chr1	+	191.1	139448793	chr1:139448793-139453005	99.54	109.54	0.29	99.54	109.54	0.29	99.54	10.46	0.82	109.46	0.82	0.91	0.14	0.805	-0.525	1.07E-11	4.47E-10	
ENSMUST0000000127.5	Wnt3	chr1	+	78.2	10381920	chr1:10381607-103817957	24.33	30.18	0.33	29.14	38.33	0.33	38.33	0.81	0.37	48.8	0.87	0.33	0.875	-0.525	2.09E-08	1.78E-07		
ENSMUST0000020208.4	Fgfb8	chr10	+	44.1	94141954	chr10:94141753-94145339	5.83	30.16	0.16	6.2	46.62	0.16	27.5	9.81	0.72	20.9	17.13	0.61	0.14	0.665	-0.52	1.22E-06	1.39E-06	
ENSMUST00000070575.13	Carx1d	chr11	-	2958.9	40268	chr11:120951748-120963906	87.25	378.21	0.27	360.58	626.72	0.28	875.32	202.15	0.81	963.43	23.83	0.78	0.275	0.795	-0.52	3.76E-151	3.15E-148	
ENSMUST00000040924.7	Itih18	chr18	-	1089.2	1462944	chr18:1462944-14627311	810.35	706.18	0.43	612.63	706.18	0.43	612.63	719.07	0.73	612.63	719.07	0.73	0.8	0.815	-0.52	3.89E-19	3.89E-18	
ENSMUST00000102626.6	Sortt	chr3	+	2181	10835430	chr3:108357229-108361511	242.87	324.14	0.25	251.22	360.28	0.24	355.48	0	1	320.84	45.2	0.88	0.42	0.94	-0.52	4.76E-66	4.58E-64	
ENSMUST00000135636.35	Sortc	chr3	+	2142.6	108357437	chr3:108357229-108361443	242.19	318.41	0.43	249.48	356.74	0.41	355.48	0	1	320.46	44.15	0.88	0.42	0.92	-0.52	2.39E-65	2.28E-63	
ENSMUST00000118326.13	Itih4	chr2	-	1306.6	164152043	chr2:164152043-164155926	138.26	138.26	0.42	138.26	138.26	0.42	138.26	37.48	0.8	138.26	37.48	0.8	0.44	0.845	-0.52	1.16E-43	1.16E-41	
ENSMUST00000119797.7	Rabgef1	chr5	+	206.7	130213441	chr5:130212834-130214342	58.1	44.59	0.38	50.57	68.78	0.39	95.3	0	1	100.95	0	1	0.445	1	-0.52	1.24E-20	2.54E-19	
ENSMUST00000109556.8	Ogpfid1	chr8	+	74.7	940644	chr8:940644-9406721	56.36	101.51	0.36	50.57	110.06	0.36	110.06	19.03	0.86	124.23	22.65	0.85	0.338	0.855	-0.52	1.32E-20	2.71E-19	
ENSMUST0000017205.6	Phf21b	chr4	+	44.2	64174999	chr4:64174999-6418022142	47.63	91.7	0.47	47.63	91.7	0.47	91.7	0	0	44.2	0	0	0.82	0.805	-0.52</			

ENSMUST0000054145.7	Dca5f	chr12	-	295.3	80338444	chr12:80335848-80340276	44.55	0.49	50.53	42.73	0.54	107.7	0	1	111.32	2.02	0.98	0.515	0.99	-0.475	1.23E-17	1.29E-16	
ENSMUST0000052929.5	Skr7a11	chr3	-	539	50372062	chr3:50364938-50372366	285.1	0.27	27.19	91.94	0.23	87.54	36.06	0.71	71.16	26.51	0.74	0.25	0.725	-0.475	4.85E-13	6.19E-12	
ENSMUST0000057802.2	Trmem7	chrX	-	10571.1	81096453	chrX:81096453-81097372	336.7	0.38	371.86	525.26	0.4	878.48	104.18	0.4	724.57	138.68	0.84	0.865	0.865	-0.47	1.85E-103	4.85E-101	
ENSMUST00000165935.1	Pphn1l	chr15	+	12192.2	93485259	chr15:93488794-93481458	225.1	0.23	239.59	793.17	0.23	527.76	191.65	0.73	516.24	240.55	0.68	0.235	0.705	-0.47	4.07E-87	7.05E-85	
ENSMUST0000051758.10	Vkorc11	chr5	-	2975.9	12998276	chr5:129982144-129984746	124.01	0.46	34.54	31.01	0.47	475.18	0	1	428.41	65.58	0.87	0.465	0.935	-0.47	4.68E-69	5.20E-67	
ENSMUST0000015358.11	17002014HRK	chr2	+	479.9	11959938	chr2:119599588-119607502	280.99	0.03	113.48	60.02	0.12	263.95	136.17	0.86	249.22	166.91	0.6	0.16	0.63	-0.47	6.42E-60	6.20E-58	
ENSMUST0000019088.3	Eiv2	chr2	+	1363.8	1363.8	chr2:11637011-116373091	1363.81	0.38	196.67	196.67	0.44	170.81	170.81	0.44	183.70	117.47	0.82	0.41	0.81	-0.47	8.14E-30	8.14E-30	
ENSMUST0000002827.10	Gca	chr5	+	970	6269180	chr2:62691564-62693414	64.1	0.22	53.56	22.95	0.54	118.16	62.26	0.65	129.54	54.5	0.7	0.205	0.675	-0.47	2.01E-25	5.19E-24	
ENSMUST0000003227.10	Zfp326	chr5	+	1874.9	105914869	chr5:105914668-105915818	60.06	0.25	60.06	60.06	0.52	127.92	112.96	0	1	103.69	0	1	0.53	1	-0.47	1.36E-20	2.78E-19
ENSMUST0000003245.8	Pfam	chr5	+	1234.2	1234.2	chr5:112376546-123784099	166.11	0.22	166.11	166.11	0.22	166.11	166.11	0.22	166.11	166.11	0.22	166.11	0.22	166.11	-0.47	5.98E-17	5.98E-17
ENSMUST0000011215.9	Ax2l2	chr2	+	455.7	3502351	chr12:3499978-3506847	34.34	0.42	36.49	115.78	0.24	77.17	36.29	0.72	90.58	38.26	0.72	0.225	0.74	-0.47	3.75E-15	5.62E-14	
ENSMUST0000017726.37	Rfn14f1	chr7	-	362.7	110816522	chr7:110813531-110816850	41.42	0.31	39.54	122.83	0.24	74.74	74.74	0.24	74.74	85.85	0.58	0.275	0.75	0.275	-0.47	2.21E-14	3.11E-13
ENSMUST00000021685.13	Trp11	chr1	+	357	10183326	chr12:101833263-101837506	43.29	0.31	43.29	43.29	0.31	43.29	43.29	0.31	43.29	43.29	0.31	43.29	0.31	43.29	-0.47	1.20E-10	1.20E-10
ENSMUST00000105473.2	SK39f1	chr10	-	180.5	63108597	chr10:53108148-53111622	23	0.46	28.06	27.3	0.46	27.3	27.3	0.46	27.3	27.3	0.46	27.3	0.46	27.3	-0.47	6.58E-09	1.51E-08
ENSMUST00000102715.3	SK39	chr2	-	9201.1	68211788	chr2:68210445-68211993	119.04	0.15	135.95	642.94	0.17	547.77	330.23	0.62	577.01	335.53	0.63	0.16	0.555	-0.465	2.99E-89	5.75E-87	
ENSMUST0000011123.8	Pum2	chr2	+	10943.7	8749873	chr12:8749887-8751454	27.21	0.42	28.4	356.19	0.44	472.72	28.11	0.94	498.17	88.35	0.85	0.43	0.895	-0.465	2.20E-67	2.22E-65	
ENSMUST0000008096.13	Nsd2	chr5	+	5374.1	33959448	chr5:33959448-33995712	99.13	0.2	104.91	404.91	0.18	229.86	121.33	0.85	250.32	129.38	0.66	0.19	0.535	-0.465	2.55E-40	1.27E-42	
ENSMUST0000089965.8	Cdk17	chr10	+	2110.9	93239821	chr10:93239888-93241328	99.28	0.36	103.86	193.26	0.35	266.32	43.17	0.86	256.76	48.01	0.84	0.385	0.85	-0.465	2.42E-32	7.89E-31	
ENSMUST0000002702.8	Sgo2a	chr1	+	421.6	58024958	chr1:58024784-58025899	52.74	0.46	54.08	117.56	0.32	113.45	43.81	0.72	123.75	15.69	0.89	0.34	0.805	-0.465	6.78E-17	1.12E-15	
ENSMUST00000008096.13	Nsd2	chr5	+	5374.1	33959448	chr5:33959448-33995712	99.13	0.2	104.91	404.91	0.18	229.86	121.33	0.85	250.32	129.38	0.66	0.19	0.535	-0.465	2.55E-40	1.27E-42	
ENSMUST0000089965.8	Cdk17	chr10	+	2110.9	93239821	chr10:93239888-93241328	99.28	0.36	103.86	193.26	0.35	266.32	43.17	0.86	256.76	48.01	0.84	0.385	0.85	-0.465	2.42E-32	7.89E-31	
ENSMUST0000002702.8	Sgo2a	chr1	+	421.6	58024958	chr1:58024784-58025899	52.74	0.46	54.08	117.56	0.32	113.45	43.81	0.72	123.75	15.69	0.89	0.34	0.805	-0.465	6.78E-17	1.12E-15	
ENSMUST00000008096.13	Nsd2	chr5	+	5374.1	33959448	chr5:33959448-33995712	99.13	0.2	104.91	404.91	0.18	229.86	121.33	0.85	250.32	129.38	0.66	0.19	0.535	-0.465	2.55E-40	1.27E-42	
ENSMUST0000015584.1	Cyld	chr8	+	120.2	88747186	chr8:88746828-88748455	17.47	0.47	18.93	71.27	0.2	54.3	27.31	0.67	55.54	28.3	0.66	0.24	0.805	-0.465	5.14E-10	5.08E-09	
ENSMUST0000039697.13	Gabrb3	chr7	+	261.9	57824837	chr7:57824418-5782802	32.77	0.68	32.77	53.24	0.42	57.4	4.44	0.93	49.61	17.14	0.74	0.74	0.835	-0.465	2.38E-09	2.23E-08	
ENSMUST00000111063.7	Mpep2	chr2	+	64.1	106867188	chr2:106866948-106868356	11.44	0.26	11.44	11.33	0.21	43.67	15.75	0.73	39.17	16.03	0.71	0.255	0.675	-0.465	1.18E-06	6.13E-06	
ENSMUST00000007975.5	Ras2a	chr17	+	2125.2	53587623	chr17:53587623-53591746	227.4	0.52	227.4	227.4	0.52	413.24	12.9	0.97	511.75	12.53	0.98	0.515	0.975	-0.46	7.20E-69	7.58E-67	
ENSMUST0000059462.11	Chmp3	chr6	+	2371.1	71580137	chr6:71579641-71581579	54.83	0.31	68.68	325.03	0.17	255.52	156.01	0.61	266.59	165.11	0.63	0.16	0.535	-0.46	8.20E-41	3.67E-39	
ENSMUST00000005671.9	Igfb1	chr7	+	2083.4	68226399	chr7:68226209-68233668	77.28	0.25	86.37	240.44	0.26	170.38	63.56	0.73	153.71	64.75	0.7	0.255	0.675	-0.46	3.45E-27	9.65E-26	
ENSMUST00000002405.0	Mst1	chr4	+	2281.4	55858979	chr4:55857819-55859204	172.93	0.32	172.93	151.13	0.32	151.56	0.26	151.56	0.26	151.56	0.26	151.56	0.26	151.56	-0.46	9.87E-23	2.25E-21
ENSMUST00000138166.7	Bbx	chr4	+	50197226	50197226	chr16:50191844-50197646	84.56	0.47	82.83	72.05	0.53	143.38	0	1	144.87	13.21	0.92	0.5	0.96	-0.46	2.72E-22	6.12E-21	
ENSMUST0000019998.8	Perp	chr10	+	176.3	18855901	chr10:18855904-18857073	46.6	0.48	55.24	88.65	0.6	103.68	1.8	0.98	90.29	29	1	0.53	0.99	-0.46	1.30E-17	2.24E-16	
ENSMUST0000010235.47	Piprd	chr5	+	346.2	75944569	chr4:75944229-75945025	92.79	0.22	92.79	92.79	0.22	92.79	92.79	0.22	92.79	92.79	0.22	92.79	0.22	92.79	-0.46	4.16E-11	4.21E-10
ENSMUST0000010728.8	Piprd	chr4	+	346.2	75944569	chr4:75944229-75945025	14.91	0.22	92.79	92.79	0.22	92.79	92.79	0.22	92.79	92.79	0.22	92.79	0.22	92.79	-0.46	4.16E-11	4.44E-10
ENSMUST00000064091.11	Ptpn4	chr1	+	225.7	119659344	chr1:119652467-119659917	25.79	0.14	25.79	10.37	0.48	60.82	41.28	0.6	47.17	28.86	0.64	0.16	0.54	-0.46	4.16E-11	4.44E-10	
ENSMUST00000047497.14	Ceap104	chr4	+	258.8	154007119	chr4:154006950-154007332	54.72	0.45	50.69	84.53	0.37	82.21	4.61	0.93	88.89	19.91	0.78	0.395	0.855	-0.46	1.93E-10	1.98E-09	
ENSMUST0000007648.4	Hisc4	chr4	+	269.8	91919207	chr4:91919207-91933366	49.37	0.46	49.37	49.37	0.46	49.37	49.37	0.46	49.37	49.37	0.46	49.37	0.46	49.37	-0.46	6.35E-06	6.35E-06
ENSMUST00000176828.7	Frm4da	chr2	+	26.2	4811993	chr2:48110967-48112584	15.76	0.34	16.26	20.85	0.44	24.48	4.19	0.84	48.75	5.69	0.88	0.4	0.86	-0.46	4.63E-06	2.96E-05	
ENSMUST0000084949.2	Impa2l1	chr4	+	904.1	4767352	chr4:4762484-4767972	373.96	0.38	409.82	357.39	0.53	526.68	14.55	0.97	467.47	0	1	0.53	0.985	-0.455	6.84E-86	1.10E-83	
ENSMUST00000107818.6	Ankrd10	chr13	+	3859829	640395829	chr13:640395829-64041841	425.36	0.34	425.36	425.36	0.34	425.36	425.36	0.34	425.36	425.36	0.34	425.36	0.34	425.36	-0.455	3.07E-13	3.07E-13
ENSMUST0000022204.15	Klzf4	chr3	-	2722.2	10696194	chr3:10696224-10696224	64.93	0.43	426.97	424.28	0.53	610.27	163.82	0.57	224.8	139.17	0.62	0.14	0.595	-0.455	4.34E-45	4.23E-43	
ENSMUST0000002678.9	Bclaf1	chr10	+	1649.2	20340253	chr10:20340052-20342501	57.14	0.14	287.13	113.9	0.15	176.92	59.2	0.51	254.01	144.38	0.64	0.16	0.545	-0.455	2.88E-41	1.08E-39	
ENSMUST00000039318.15	Cdc14b	chr13	-	1249.7	64198154	chr13:64198154-64198675	116.83	0.47	116.83	116.83	0.47	116.83	116.83	0.47	116.83	116.83	0.47	116.83	0.47	116.83	-0.455	1.80E-30	1.80E-30
ENSMUST00000004308.2	Gcd4	chr10	+	1438.8	51373200	chr10:51373200-51376986	96.84	0.29	96.84	96.84	0.29	96.84	96.84	0.29	96.84	96.84	0.29	96.84	0.29	96.84	-0.455	1.30E-30	1.30E-30
ENSMUST00000113460.7	Nm22	chr6	+	2066.9	92167797	chr6:92167458-92169255	140.73	0.56	126.16	140.47	0.47	202.01	1	1	178.51	13.22	0.93	0.51	0.935	-0.455	3.29E-31	1.05E-29	
ENSMUST00000109943.9	Mmc2	chr11	+	939.1	4482855	chr11:4480968-4482939	122.38	0.39	138.93	138.93	0.39	138.93	138.93	0.39	138.93	138.93	0.39	138.93	0.39	138.93	-0.455	3.62E-31	1.15E-29
ENSMUST0000002831.0	Trp1	chr5	+	1315.47	10812147	chr5:10812147-108124759	126.41	0.29	126.41	126.41	0.29	126.41	126.41	0.29	126.41	126.41	0.29	126.41	0.29	126.41	-0.455	3.62E-31	1.15E-29
ENSMUST00000049166.4	Bett1	chr6	+	5008.7	4077835	chr6:4076899-4077835	38.05	0.25	34.95	206.													

ENSMUST0000176540.7	Pbx1	chr1	-	1093.3	16815846	chr1:168153542-168158824	102.29	126.02	0.45	101.38	89.91	0.53	159.77	6.13	0.96	169.92	22.97	0.88	0.49	0.92	-0.43	9.99E-22	2.05E-20
ENSMUST0000023614.4	Dyrk1a	chr6	+	1176.6	94692358	chr6:94691581-9469517	62.94	186.1	0.25	62.94	211.02	0.24	142.38	52.73	0.73	146.53	88.04	0.62	0.245	0.675	-0.43	3.41E-21	7.19E-20
ENSMUST000007451.12	EphA8	chr1	+	138.9	77869382	chr1:77867185-77869671	30.42	65.3	0.53	30.42	83.56	0.52	63.52	23.51	0.52	79.77	75.46	0.32	0.165	0.96	-0.43	2.22E-10	2.32E-09
ENSMUST0000034934.4	Aph1b	chr9	-	162.6	66779545	chr9:66775202-66779380	11.05	10.62	0.1	10.62	100.86	0.11	32.94	32.97	0.5	30.03	22.4	0.57	0.705	0.535	-0.43	2.01E-09	1.90E-08
ENSMUST0000054387.7	Rab33b	chr3	+	99.5	51448747	chr3:51493356-51496233	20.76	29.19	0.35	29.19	24.42	0.54	35.69	8.18	0.81	38.72	2.41	0.94	0.445	0.875	-0.43	5.96E-06	3.76E-05
ENSMUST0000161326.7	Nau50	chr6	+	2860.1	44518722	chr6:44155643-44163366	276.48	371.46	0.24	312.23	933.33	0.25	590.43	277.91	0.68	590.43	300.43	0.66	0.245	0.685	-0.425	5.60E-85	8.67E-83
ENSMUST0000002817.3	Pten	chr3	+	16573.3	35200561	chr3:35200561-35200561	867.08	867.08	0.0	867.08	867.08	0.14	276.93	0.14	0.14	276.93	0.14	0.14	0.14	0.14	-0.425	6.96E-90	6.96E-90
ENSMUST0000119429.7	Tmem41b	chr7	-	3303	109974365	chr7:109973304-109974561	109.7	302.14	0.22	130.29	502.07	0.21	276.86	148.39	0.65	235.94	137.56	0.63	0.215	0.64	-0.425	1.89E-42	8.90E-41
ENSMUST0000100819.7	Ynf6b	chr7	-	3498.5	109974375	chr7:109973485-109974951	120.46	384.12	0.24	145.56	491.45	0.23	285.2	140.26	0.67	245.65	130.67	0.65	0.235	0.66	-0.425	2.63E-41	1.19E-39
ENSMUST0000054697.6	Ynf6a	chr7	-	1148.4	98948074	chr7:98948074-9894917	114.84	385.07	0.24	145.56	491.45	0.23	285.2	140.26	0.67	245.65	130.67	0.65	0.235	0.66	-0.425	2.63E-41	1.19E-39
ENSMUST0000023335.12	Atrp	chr6	+	1094.5	13660930	chr6:136609474-136610882	37.58	215.09	0.15	34.56	235.57	0.14	130.52	91.86	0.59	137.64	116.36	0.54	0.14	0.565	-0.425	2.66E-24	6.28E-23
ENSMUST0000095694.11	PanK1	chr19	-	222.5	34812160	chr19:34810894-34812387	64.98	118.14	0.10	64.98	118.14	0.10	64.98	118.14	0.10	64.98	118.14	0.10	0.575	1	-0.425	9.83E-13	1.21E-11
ENSMUST0000112449.16	PanK1	chr19	-	222.5	34812160	chr19:34810894-34812387	64.98	118.14	0.10	64.98	118.14	0.10	64.98	118.14	0.10	64.98	118.14	0.10	0.575	1	-0.425	9.83E-13	1.21E-11
ENSMUST0000058978.8	Nqo2	chr3	+	99.8	33985587	chr13:33985316-33988443	15.52	133.6	0.1	15.64	126.67	0.11	42.05	31.59	0.57	44.71	47.22	0.49	1.105	0.53	-0.425	7.73E-12	8.74E-11
ENSMUST0000166775.7	Rraa	chr2	+	245.3	27760309	chr2:27759541-27761417	47.53	42.82	0.01	42.82	38.08	0.54	62.23	0	1	73.8	0	1	0.575	1	-0.425	2.13E-11	2.34E-10
ENSMUST0000039333.13	Pfkf	chr8	+	204.4	77763690	chr8:77761411-77763891	46.71	86.11	0.30	44.87	100.1	0.31	73.32	33.35	0.69	70.19	15.24	0.82	0.33	0.755	-0.425	2.15E-10	2.19E-09
ENSMUST0000076938.3	Htpb	chr8	+	146.2	79972255	chr8:79970364-79972226	7.39	77.45	0.09	43.17	51.8	0.46	39.89	30.18	0.57	40.9	30.18	0.57	0.09	0.425	-0.425	4.16E-09	3.82E-08
ENSMUST0000020982.6	Klf11	chr12	+	164.6	24660835	chr12:24660813-24662789	22.09	26.28	0.25	22.09	60.95	0.29	72.53	23.23	0.73	78.03	34.38	0.69	0.285	0.75	-0.425	5.26E-09	4.78E-08
ENSMUST0000075812.10	Nad2	chr5	+	2297.6	33895448	chr5:33894906-33897916	36.75	442.95	0.08	35.57	456.38	0.07	178.09	172.69	0.51	180.64	198.61	0.48	0.075	0.495	-0.42	1.47E-44	7.42E-43
ENSMUST0000012228.10	Nad2	chr5	+	2348.2	33895448	chr5:33894906-33897916	36.75	442.95	0.08	35.57	456.38	0.07	178.09	172.69	0.51	180.64	198.61	0.48	0.075	0.495	-0.42	1.47E-44	7.42E-43
ENSMUST0000049005.14	Bmpr1a	chr14	-	3525.5	34413703	chr14:34413704-34414669	134.32	242.23	0.06	167.82	242.23	0.42	313.76	58.47	0.48	247.11	69.46	0.78	0.39	0.81	-0.42	1.26E-32	1.47E-31
ENSMUST0000099494.3	Btaf1	chr19	+	942.5	10371494	chr19:103711261-103712752	154.46	182.29	0.46	156.47	174.86	0.47	292.85	21.34	0.93	267.53	50.08	0.84	0.465	0.885	-0.42	3.81E-32	1.23E-30
ENSMUST0000043338.9	Sbc2	chr1	-	1844.9	165176545	chr1:165174337-165179295	117.56	203.39	0.37	122.47	215.16	0.36	306.29	99.7	0.75	283.5	61.32	0.82	0.385	0.785	-0.42	3.22E-30	9.98E-29
ENSMUST0000025503.8	Isoc1	chr18	-	2078.6	68678733	chr18:5867755-58675670	114.46	190.83	0.47	127.54	185.37	0.46	285.85	0.86	2.00	8.65	0.76	0.39	0.81	-0.42	-0.42	1.77E-26	4.80E-25
ENSMUST0000025390.9	Dcp2	chr18	+	2348.8	44417767	chr18:44417566-44424969	97.44	106.25	0.48	95.2	174.61	0.51	134.06	24.74	0.84	144.15	85.33	0.63	0.315	0.75	-0.42	1.52E-17	2.76E-17
ENSMUST0000033850.7	Nap2	chr18	+	699.1	53572908	chr18:53572571-53574342	47.35	156.89	0.23	60.91	154.85	0.28	131.54	45.76	0.74	120.71	79.93	0.61	0.255	0.675	-0.42	3.87E-17	6.48E-16
ENSMUST0000012228.10	Qsm1	chr5	+	953.3	65917463	chr5:6591584-65917304	16.01	122.84	0.14	16.01	191.94	0.14	98.67	15.14	0.55	62.43	0.58	0.67	0.13	0.55	-0.42	1.21E-14	1.21E-14
ENSMUST0000034981.13	Xm1	chr9	+	204.3	96052738	chr9:96052519-96053027	64.43	62.42	0.5	59.49	70.84	0.42	132.22	15.98	0.89	116.18	10.84	0.91	0.48	0.92	-0.42	9.24E-15	1.34E-13
ENSMUST0000010294.6	Evo2c	chr13	-	252.2	30815176	chr13:30813919-30815391	51.77	56.82	0.48	45.59	82.43	0.36	91.26	18.63	0.33	115.17	19.64	0.85	0.42	0.84	-0.42	2.61E-12	3.09E-11
ENSMUST0000013521.6	Egr1	chr12	-	754.7	63904278	chr12:63904278-63905071	402.89	362.88	0.21	349.04	1238.97	0.21	607.68	51.74	0.61	607.68	48.74	0.61	0.525	0.825	-0.41	1.43E-13	1.53E-12
ENSMUST0000040167.10	Maf2b	chr11	-	13735.2	40679986	chr11:40679314-40680194	402.89	440.47	0.48	441	529.31	0.45	789.68	120.11	0.87	892.73	108.74	0.89	0.465	0.88	-0.415	6.13E-86	1.02E-83
ENSMUST0000016138.3	Limk2	chr11	-	958.7	3345611	chr11:3344256-3345884	120.96	149.42	0.46	120.96	149.42	0.45	269.45	17.51	0.94	268.41	57.74	0.82	0.465	0.88	-0.415	1.72E-27	4.90E-26
ENSMUST0000053917.4	Cnry	chr18	-	2708.9	9316003	chr18:9316003-9316003	105.68	140.76	0.68	105.68	140.76	0.68	105.68	140.76	0.68	105.68	140.76	0.68	0.44	0.44	-0.415	6.38E-24	1.53E-22
ENSMUST0000043891.2	Thc1c1	chr14	-	502.7	64934382	chr14:64934382-64931468	502.7	502.7	0.0	502.7	502.7	0.0	502.7	502.7	0.0	502.7	502.7	0.0	0.425	0.425	-0.415	7.65E-23	7.65E-23
ENSMUST0000010948.5	Ratgapb	chr2	+	681.1	158495920	chr2:15849451-15849746	81.87	107.86	0.33	79.89	107.86	0.29	160.87	50.97	0.76	151.66	67.7	0.69	0.31	0.85	-0.415	1.81E-19	3.47E-18
ENSMUST0000025474.12	Nnpg	chr18	+	347.7	62997198	chr18:62996981-62999450	40.18	113.29	0.19	43.09	201.61	0.18	117.35	70.95	0.62	115.04	83.6	0.58	1.185	0.58	-0.415	5.99E-19	1.11E-17
ENSMUST0000026225.10	Fabp2	chr16	+	1028.8	46549826	chr16:46549826-46549826	46.24	46.24	0.0	46.24	46.24	0.0	46.24	46.24	0.0	46.24	46.24	0.0	0.68	0.68	-0.415	7.85E-17	7.85E-17
ENSMUST0000020469.3	Nbp2c	chr5	+	262.1	4309	chr5:6582668-65830108	44.48	42.37	0.41	42.37	20.98	0.67	82.87	0	1	77.94	7.9	0.91	0.54	0.65	-0.415	1.12E-12	1.12E-12
ENSMUST0000109094.3	Atm	chr8	+	397.3	116989181	chr8:116986231-116980445	26.77	109.72	0.14	28.44	106.98	0.21	74.22	45.56	0.62	89.76	54.04	0.62	0.205	0.58	-0.415	1.32E-12	1.50E-11
ENSMUST000007732.3	Gm13212	chr1	+	560.3	145623353	chr1:145623152-145623215	46.78	41.4	0.53	46.78	41.4	0.53	46.78	41.4	0.53	46.78	41.4	0.53	0.58	0.58	-0.415	1.23E-10	1.43E-08
ENSMUST0000019194.1	Klf8	chr13	-	165.8	8481818	chr13:84817426-84817524	19.66	19.66	0.13	19.66	19.66	0.13	19.66	19.66	0.13	19.66	19.66	0.13	0.465	0.56	-0.415	4.15E-10	8.24E-08
ENSMUST0000012180.5	Dpy5f	chr18	-	215.5	43324218	chr18:43320979-43324240	31.71	24.68	0.56	35.5	33.63	0.1	5.51	61.14	4.39	0.93	5.73	1.63	0.97	0.532	-0.415	1.72E-08	9.27E-07
ENSMUST0000045041.11	Gant12	chr4	+	98.2	47122705	chr4:47122705-47123070	44.67	44.67	0.49	44.67	39.23	0.57	53.67	8.03	0.87	51.96	0	1	0.525	0.935	-0.415	1.19E-07	5.72E-07
ENSMUST00000136348.7	Rac1	chr5	+	162.9	14304839	chr5:14304839-14304839	51.4	49.98	0.12	51.4	49.98	0.12	51.4	49.98	0.12	51.4	49.98	0.12	0.525	0.935	-0.415	2.42E-06	2.42E-06
ENSMUST0000080537.5	Rac1	chr5	+	17873.7	143058847	chr5:14305942-143057105	337.19	1065.83	0.24	371.27	1256.38	0.23	875.98	468.01	0.65	901.5	517.14	0.64	0.235	0.645	-0.41	1.43E-112	5.08E-110
ENSMUST0000010049.3	Rac1	chr5	+	17873.7	143058847	chr5:14305942-143057105	337.19	1065.83	0.24	371.27	1256.38	0.23	875.98	468.01	0.65	901.5	517.14	0.64	0.235	0.645	-0.41	1.43E-112	5.08E-110
ENSMUST0000135912.12	Ahr1b3	chr13	-	7897.4	30518603	chr1																	

ENSMUST0000159879.1	Trove2	chr1	+ 572.3	14357285	chr1:143750790-143757894	75.58	61.95	0.55	73.52	36.14	0.67	93.35	0	1	92.11	0	1	0.565	1	-0.39	7.67E-14	1.11E-13
ENSMUST000007672.11	Cck4a3bp	chr3	+ 289	96637411	chr3:196637118-96637550	66.75	57.37	0.54	78.84	60.66	0.57	130.85	7.6	0.95	87.78	5.93	0.94	0.555	0.945	-0.39	1.33E-13	1.78E-12
ENSMUST0000032328.4	Ccdc14	chr16	+ 232.6	1732285	chr16:163472310-163472594	46.27	43.74	0.54	68.84	109.82	0.57	62.14	0.2	0.7	62.14	3.14	0.7	0.595	0.985	-0.39	3.04E-13	3.30E-12
ENSMUST0000070607.8	Haua8	chr4	+ 544.9	86581339	chr4:86578855-86582018	48.8	119.86	0.29	111.42	39.06	0.29	111.42	54.39	0.67	120.78	54.16	0.69	0.29	0.68	-0.39	4.00E-13	5.10E-12
ENSMUST0000011878.7	Epa8	chr6	+ 373.783	137478724	chr6:137371871-137479129	74.42	66.02	0.56	86.05	43.35	0.56	86.04	0	1	78.13	0	1	0.641	1	-0.39	1.94E-12	2.33E-11
ENSMUST0000029770.7	Abcd3	chr3	+ 236.7	121760104	chr3:121759807-121760309	44.82	95.91	0.52	51.47	68.84	0.52	110.47	25.52	0.8	94.22	45.51	0.67	0.565	0.585	-0.39	7.20E-11	7.55E-10
ENSMUST0000001124.12	Zfp704	chr9	+ 170	5383427	chr9:53834337-5383899	16.56	16.56	0.13	16.56	16.56	0.13	16.56	0.26	0.57	11.46	0.26	0.54	0.26	0.54	-0.39	6.75E-09	9.90E-08
ENSMUST0000066134.5	Rpia	chr6	+ 1576.4	70766447	chr6:70765720-70766648	31.1	132.29	0.14	130.11	130.11	0.22	43.56	55.69	0.44	53.36	17.91	0.75	0.205	0.595	-0.39	4.98E-08	1.21E-07
ENSMUST0000048519.16	Sna13	chr2	+ 267.1	35451311	chr2:35144089-35417479	20.16	70.04	0.22	28.51	104.6	0.15	47.27	29.58	0.62	41.28	36.94	0.53	0.185	0.575	-0.39	4.88E-08	3.98E-07
ENSMUST0000011819.4	Anxa4	chr6	+ 269.5	86737622	chr6:86737065-86737623	15.54	48.34	0.24	48.34	48.34	0.24	54.15	69.7	0.64	51.13	27.26	0.64	0.255	0.645	-0.39	6.37E-07	4.29E-06
ENSMUST0000049248.5	Maat4	chr8	+ 80.8	65476685	chr8:185475988-65476823	26.87	38.12	0.41	38.54	17.75	0.68	53.43	6.65	0.89	48.74	1.76	0.98	0.245	0.655	-0.39	1.08E-06	7.48E-06
ENSMUST0000033847.4	Agmat5	chr9	+ 3086.7	18881397	chr9:18881738-18883579	10.15	70.2	0.42	330.25	330.25	0.42	40.57	330.25	0.58	22.13	215.86	0.58	0.154	0.84	-0.39	8.11E-13	3.25E-11
ENSMUST0000021347.11	Set11	chr2	+ 2365.2	91808466	chr2:91806043-91810053	90.75	286.66	0.26	99.76	309.24	0.26	255.23	128.01	0.67	228.82	152.49	0.6	0.25	0.635	-0.385	2.13E-27	6.04E-26
ENSMUST00000167466.1	Set11	chr2	+ 2596.6	91808466	chr2:91806062-91810053	101.94	284.69	0.26	103.95	309.24	0.26	258.72	124.6	0.67	229.59	149.77	0.61	0.255	0.634	-0.385	2.63E-27	7.49E-26
ENSMUST0000029362.4	Cond1	chr7	+ 1646.7	144932511	chr7:144930748-144932771	110.07	74.03	0.6	111.42	110.07	0.62	189.25	0	1	191.64	0.97	0.99	0.61	0.995	-0.385	2.29E-26	6.18E-25
ENSMUST00000168367.7	Cu5f	chr9	+ 1511.2	53817495	chr9:53814650-53819010	46.6	130.7	0.13	53.41	200.47	0.16	145.9	112.15	0.57	133.79	136.64	0.49	0.145	0.445	-0.385	1.34E-24	3.35E-23
ENSMUST0000032891.14	Smg1	chr7	+ 181.2	11813457	chr7:11813308-118135618	139.47	169.05	0.47	169.05	169.05	0.47	258.1	41.18	0.86	259.52	45.88	0.85	0.47	0.855	-0.385	1.38E-24	3.45E-23
ENSMUST00000106157.7	Zranb1	chr7	+ 2010.4	132984035	chr7:132983733-132983691	96.45	83.37	0.54	111.03	50.49	0.69	173.1	0	1	175.51	0	1	0.615	1	-0.385	1.63E-24	4.07E-23
ENSMUST0000010381.10	Pfkfb2	chr5	+ 2697.1	52767855	chr5:52765563-52769340	121.52	233.1	0.34	123.03	250.34	0.34	204.19	41.65	0.87	213.98	134.2	0.61	0.355	0.565	-0.385	5.15E-21	1.107E-19
ENSMUST0000016569.10	Pds5b	chr5	+ 895.9	150808481	chr5:150807813-150810690	43.78	174.82	0.2	42.42	140.49	0.19	128.79	91.12	0.59	138.48	105.22	0.57	0.195	0.58	-0.385	7.87E-17	1.30E-15
ENSMUST0000049398.12	Uevld	chr7	+ 425	46926225	chr7:46922164-46926488	72.29	119.49	0.38	71.46	113.44	0.39	110.68	24.35	0.82	113.6	43.93	0.72	0.385	0.77	-0.385	1.36E-12	1.66E-11
ENSMUST0000029841.15	Pdm5c	chr3	+ 329.5	14224204	chr3:14223950-14224769	50.04	86.36	0.36	86.36	86.36	0.36	86.36	86.36	0.36	86.36	28.81	0.76	0.36	0.745	-0.385	5.26E-10	5.20E-09
ENSMUST0000038933.11	Angp4	chr9	+ 45.5	8996960	chr9:8994329-8997685	16.95	19.48	0.22	11.82	26.51	0.31	24.23	0.6	0.74	27.03	8.75	0.76	0.365	0.75	-0.385	0.00033536	0.00536993
ENSMUST0000027440.14	Neod4	chr9	+ 14129.9	72748037	chr9:72747126-72749852	139.19	1153.24	0.6	118.17	1022.37	0.64	3392.05	0	1	3576.38	0	1	0.62	0	-0.38	0	0
ENSMUST0000002946.11	Unc119b	chr5	+ 1234.3	53419296	chr5:53418306-53421930	244.34	310.17	0.28	199.67	310.17	0.28	321.62	13.4	0.93	589.48	8.91	0.98	0.565	0.975	-0.385	1.41E-42	3.67E-41
ENSMUST00000060798.5	Unc119b	chr5	+ 1448	115125856	chr5:115122500-115125500	222.28	195.91	0.53	239.67	146.47	0.47	302.82	18.47	0.94	342.77	10.61	0.97	0.575	0.955	-0.38	1.12E-37	4.39E-36
ENSMUST0000034457.8	Urb2	chr8	+ 2163.8	124047699	chr8:124047109-124048505	179.29	195.15	0.65	179.29	195.15	0.65	207.4	0	1	237.54	0	1	0.62	1	-0.38	2.99E-32	9.72E-31
ENSMUST0000030391.23	Hok1a	chr2	+ 4901.2	860221249	chr2:86022167-86022174	125.74	125.74	0.23	125.74	125.74	0.23	297.9	162.49	0.73	162.49	162.49	0.73	0.295	0.965	-0.385	1.05E-30	3.05E-29
ENSMUST00000159311.7	Mob4	chr1	+ 3114.1	55152956	chr1:55152675-55153938	53.73	285.39	0.16	56.76	299.05	0.16	212.27	188.34	0.53	207.26	172.81	0.55	0.16	0.54	-0.38	1.11E-27	3.19E-26
ENSMUST00000155998.1	Anky1	chr1	+ 1787.7	72767950	chr1:72767513-72772146	130.05	89.53	0.59	140.33	102.2	0.58	219.69	2.32	0.99	223.52	15.23	0.94	0.585	0.965	-0.38	1.29E-24	3.24E-23
ENSMUST0000035648.4	Ap2	chr18	+ 888.5	48734297	chr18:48732247-48734509	101.93	285.15	0.28	105.28	291.68	0.27	148.61	101.42	0.59	176.99	70.12	0.72	0.275	0.655	-0.38	2.18E-21	3.44E-20
ENSMUST0000017407.6	Nwa7	chr6	+ 670.4	44129460	chr6:44129435-44129471	10.96	55.06	0.16	13846382	13846382	0.16	55.06	0	1	55.06	0	1	0.62	0.4	-0.38	4.42E-06	4.42E-06
ENSMUST00000102934.8	Nwa7	chr6	+ 670.4	44129460	chr6:44129434-44129656	95.47	47.48	0.16	106.68	174.68	0.16	148.78	14.32	0.9	157.54	0	1	0.58	0.79	-0.38	5.78E-19	1.08E-17
ENSMUST00000124992.7	Ube2j1	chr4	+ 479.5	33049859	chr4:33049862-33052363	78.81	225.13	0.28	80.99	228.74	0.28	69.09	71.14	0.49	70.95	94.54	0.43	0.08	0.46	-0.38	1.32E-18	2.41E-17
ENSMUST00000106638.8	Tef	chr1	+ 264.6	12898196	chr1:12898184-12899990	79.75	58	0.48	79.75	58	0.48	144.11	1.57	0.7	108.07	0	1	0.615	0.965	-0.38	1.76E-18	2.41E-17
ENSMUST00000100143.9	Rch32	chr2	+ 1102.6	37375206	chr2:37370073-37375428	16.81	20.99	0.64	20.99	16.81	0.64	144.11	1.57	0.7	108.07	0	1	0.615	0.965	-0.38	3.62E-16	5.73E-15
ENSMUST00000307788.5	Pom2	chr12	+ 333.9	87108932	chr12:87108881-87109293	42.28	98.79	0.3	51.25	113.93	0.3	103.63	50.35	0.67	98.03	42.42	0.7	0.305	0.685	-0.38	5.05E-11	5.37E-10
ENSMUST0000022230.14	Sreaf1p	chr13	+ 322.1	10483256	chr13:104832365-104833074	18.68	83.19	0.19	26.5	81.82	0.25	67.99	57.29	0.54	82.23	42.43	0.68	0.22	0.22	-0.38	2.89E-09	2.78E-08
ENSMUST00000092928.5	Art13b	chr16	+ 218.4	6279540	chr16:62795365-62795750	55.94	55.94	0.18	55.94	55.94	0.18	47.82	57.89	0.17	71.52	24.97	0.68	0.18	0.68	-0.38	1.02E-06	7.43E-06
ENSMUST00000176201.1	Gm20707	chr4	+ 222.6	147784170	chr4:147782319-147784497	31.5	34.51	0.48	31.5	25.35	0.48	70.6	0	1	63.27	14.64	0.81	0.525	0.905	-0.38	1.21E-06	8.34E-06
ENSMUST00000088223.1	Zfp37	chr4	+ 119.8	62191176	chr4:62189540-62192889	20.95	48.35	0.44	20.95	33.46	0.44	40.26	28.73	0.63	64.05	16.61	0.87	0.37	0.76	-0.38	7.04E-06	4.40E-05
ENSMUST0000043730.10	Jak1b1	chr11	+ 40.3	5312096	chr11:53120871-53122039	13.42	13.42	0.12	13.42	13.42	0.12	37.12	29.9	0.62	37.12	29.9	0.62	0.12	0.12	-0.38	0.0295627	0.0295627
ENSMUST00000106677.7	Pkr1a1	chr1	+ 51220.5	109667656	chr1:109667430-109666556	175.93	210.99	0.08	190.06	2282.06	0.08	612.36	715.52	0.46	667.83	842.9	0.45	0.08	0.455	-0.375	1.42E-163	1.33E-160
ENSMUST00000063547.3	Naa50	chr16	+ 11553.1	44597111	chr16:44594634-44611174	44.13	724.02	0.38	490.09	774.77	0.39	670.69	207.07	0.76	687.47	211.68	0.76	0.385	0.76	-0.375	1.46E-69	1.61E-67
ENSMUST00000109020.7	Ctla1	chr1	+ 29656.7	111564401	chr1:111564001-111568061	419.34	708.51	0.23	419.34	708.51	0.23	260.97	260.97	0.74	260.97	200.87	0.74	0.23	0.74	-0.375	1.05E-67	1.05E-67
ENSMUST00000102899.9	Nm2	chr2	+ 5858.1	3326272	chr2:33262071-3326716	153.2	125.27	0.55	175.84	76.32	0.7	361.03	0	1	431.36	0	1	0.625	1	-0.375	1.22E-46	6.75E-45
ENSMUST0000030830.2	Tap2	chr3	+ 2589.1	24841450	chr3:24841087-24842153	232.5	285.47	0.54	245.38	245.38	0.54	468.89	21.2	0.96	433.75	123.55	0.78	0.495	0.87	-0.375	6.10E-39	2.56E-37
ENSMUST0000029344.9	Mbd1	chr3	+ 4616.6	67603260	chr3:67602698-67604237	104.31	418.44															

ENSMUST0000202170.3	Pms5b	chr5	+	1189	150808480	chr5:15080713-150809865	50.98	167.77	0.23	45.04	175.78	0.2	127.99	92	0.58	139.56	104.2	0.57	0.215	0.575	-0.36	7.87E-15	1.08E-13	
ENSMUST0000084828.4	Ncapg2	chr12	+	798.7	116481007	chr12:116480564-116461611	50.48	24.58	0.67	43.05	0.59	138.43	2.61	0.89	136.62	0	1	0.63	0.99	0.92	0.36	8.65E-15	1.29E-11	
ENSMUST0000084881.4	Pcd2	chr12	+	1094.3	110072300	chr12:110071536-110074401	71.85	146.36	0.32	64.26	0.58	129.35	64.26	0.34	129.58	47.72	0.68	0.7	0.38	0.7	0.36	9.06E-13	1.11E-10	
ENSMUST0000053177.13	Wdlyf3	chr5	-	469.2	101835807	chr5:101832956-101836281	61.49	130.04	0.62	69.72	105.5	0.4	110.24	42.84	0.72	100.44	38.51	0.72	0.38	0.99	-0.36	3.35E-11	3.59E-10	
ENSMUST000007198.13	Ppp3ca	chr3	+	593.7	136937078	chr3:136935029-136937727	44.21	46.23	0.47	46.23	0.46	119.23	22.08	0.84	101.76	41.43	0.71	0.415	0.775	0.36	2.84E-09	2.23E-08		
ENSMUST0000162007.7	Stau2	chr1	+	269	16345407	chr1:16344291-16345611	41.04	56.27	0.32	56.31	0.46	66.71	66.71	0.28	66.26	12.31	0.88	0.42	0.76	0.76	-0.36	2.64E-07	1.97E-06	
ENSMUST00000198188.4	Gahb3	chr3	+	203.7	10281330	chr3:10281418-10281334	60.38	60.38	0.37	60.38	0.37	67.824418-67.824418	60.38	0.37	67.824418-67.824418	60.38	0.37	67.824418-67.824418	60.38	0.37	67.824418-67.824418	60.38	0.37	
ENSMUST00000865928.10	Cncc	chr4	+	119.9	21749033	chr4:21748137-21750546	17.18	25.74	0.4	26.04	0.24	23.04	0.54	62.26	12.76	0.83	62.74	12.47	0.83	0.47	0.83	-0.36	3.04E-05	0.000171733
ENSMUST0000195508.5	Fncf3b	chr3	-	95.8	27419256	chr3:27418162-27419802	27.99	38.53	0.42	30.61	31.99	0.49	63.64	11.86	0.8	45.75	12.17	0.83	0.455	0.815	-0.36	3.17E-05	0.000178667	
ENSMUST0000054548.4	Ube2a	chr1	+	130.7	15724400	chr1:157229961-157231928	24.56	24.56	0.43	24.56	0.43	24.56	24.56	0.43	24.56	24.56	0.43	24.56	24.56	0.43	24.56	0.43	24.56	0.43
ENSMUST00001474391.7	Syncrip	chr9	-	13867.5	88454016	chr9:88449731-88454295	93.83	84.34	0.08	103.84	106.94	0.09	359.54	393.97	0.48	360.43	510.58	0.41	0.00	0.445	-0.355	3.67E-73	4.65E-71	
ENSMUST000047086.9	Wdr43	chr17	+	107.5	71657821	chr17:71657474-71659031	186.67	92.28	0.19	105.44	105.94	0.16	573.43	513.43	0.53	574.24	555.03	0.51	1.069	0.525	-0.355	5.38E-72	6.26E-70	
ENSMUST0001223278.7	Ptdm3	chr1	+	2471.3	30517489	chr1:30517489-30517489	42.59	42.59	0.26	42.59	0.26	42.59	42.59	0.26	42.59	42.59	0.26	42.59	42.59	0.26	42.59	0.26	42.59	0.26
ENSMUST0000152555.7	Scamp1	chr13	-	1072.4	94203514	chr13:94203374-94204163	209.8	185.09	0.53	236.1	232.09	0.5	300.36	53.73	0.85	254.33	32.19	0.89	0.515	0.87	-0.355	2.66E-25	6.84E-24	
ENSMUST000027642.4	Nek7	chr1	-	480.8	138486112	chr1:138484112-138487110	79.5	86.19	0.7	86.19	38.75	0.69	136.84	0	1	157.37	0	1	0.645	0.58	-0.355	5.82E-18	1.08E-17	
ENSMUST0000034960.13	Dp9b	chr9	+	768.1	65080881	chr9:65080731-65082651	107.62	145.48	0.43	110.97	175.89	0.39	195.77	50.8	0.79	191.46	67.51	0.74	0.41	0.765	-0.355	6.10E-17	1.01E-15	
ENSMUST0000086729.3	Mend2l	chr17	+	877.1	64753339	chr17:64752414-64755110	91.89	59.14	0.81	63.88	54.48	0.96	115.33	10.79	0.91	158.8	0.58	0.74	0.58	0.74	-0.355	1.82E-13	2.40E-12	
ENSMUST0000201415.3	Ng1	chr5	-	153.6	38113829	chr5:38113826-38113827	41.98	47.42	0.57	41.98	47.42	0.57	41.98	47.42	0.57	41.98	47.42	0.57	41.98	47.42	0.57	-0.355	4.52E-11	4.82E-10
ENSMUST0000203270.13	Cep97	chr16	-	428.2	55905091	chr16:55899888-55905869	26.57	112.56	0.21	31.2	115.12	0.21	85.3	55.7	0.6	78.92	71.45	0.52	0.205	0.58	-0.355	3.65E-10	3.65E-09	
ENSMUST000005129.13	Ncapg	chr12	+	259.3	10192273	chr12:101922139-101923584	35.5	12.69	0.74	37.5	37.5	0.47	41.76	0.82	0.98	33.9	2.13	0.98	0.605	0.96	-0.355	4.80E-06	3.06E-05	
ENSMUST0000081568.8	Sic3e4	chr9	+	95.1	15738520	chr9:15738074-15743361	26.22	12.84	0.67	26.22	12.84	0.67	26.22	12.84	0.67	26.22	12.84	0.67	26.22	12.84	0.67	-0.355	5.21E-06	3.31E-05
ENSMUST0000105406.7	Adarb1	chr10	+	907.5	77294395	chr10:77290728-77294961	21.4	19.43	0.52	24.36	34.32	0.42	38.74	12.86	0.75	36.6	94.6	0.9	0.67	0.825	-0.355	0.000228669	0.001105567	
ENSMUST00000519495.17	Mhsp9b	chr9	-	62.2	124254896	chr9:124253689-124255118	14.15	30.89	0.31	15.65	33.51	0.32	50.69	43.5	0.58	43.5	13.70	0.78	0.315	-0.355	0.000303353	0.001433333		
ENSMUST0000205267.12	Rms3	chr19	-	9021.8	7427252	chr19:7425904-7427875	482.98	2026.51	0.19	576.56	224.72	0.2	1354.84	1149.86	0.54	1154.85	468.59	0.55	0.95	0.545	-0.355	4.29E-14	3.42E-14	
ENSMUST0000072239.13	Tmpo	chr10	-	17683.8	91149234	chr10:91147517-91149758	166.43	1308.42	0.11	512.27	1351.55	0.11	512.27	595.22	0.41	531.82	659.88	0.45	0.11	0.89	-0.35	1.11E-89	2.21E-87	
ENSMUST0000202896.16	Tspan13	chr12	-	2538.4	96301571	chr12:96301457-3601772	129.48	380.01	0.25	130.72	486.25	0.25	335.84	231.38	0.61	286.86	233.44	0.55	0.23	0.33	-0.355	4.31E-33	1.45E-31	
ENSMUST0000016323.13	Cxk	chr1	+	297.2	150402369	chr1:150402369-150409600	40.75	47.72	0.35	37.65	40.75	0.35	37.65	40.75	0.35	37.65	40.75	0.35	37.65	40.75	0.35	-0.355	7.87E-26	2.03E-24
ENSMUST0000052209.8	Cxb	chr8	+	250.1	10521176	chr8:105215904-105217989	169.91	147.55	0.52	168.36	168.36	0.47	268.03	55.62	0.83	261.43	98.97	0.87	0.5	0.85	-0.35	1.87E-21	4.23E-20	
ENSMUST0000011729.6	Ehrf1	chr6	+	561.6	145215607	chr6:145215381-145216539	42.79	168.28	0.2	53.12	150.85	0.26	127.13	88.87	0.59	131.08	96.96	0.57	0.23	0.58	-0.355	7.88E-14	1.08E-12	
ENSMUST0000019495.17	Sun2	chr5	+	281.5	123862385	chr5:123862385-123863421	95.13	63.68	0.37	127.45	127.45	0.37	127.45	127.45	0.37	127.45	127.45	0.37	127.45	127.45	0.37	-0.355	4.02E-13	5.11E-10
ENSMUST0000100404.5	B3glt2	chr5	+	375.7	149759781	chr5:149759439-149762559	15.48	113.74	0.12	19.19	177.43	0.1	68.18	90.2	0.43	60.91	64.04	0.49	0.11	0.48	-0.35	4.47E-12	5.20E-11	
ENSMUST00000117083.1	Tip4	chr9	-	122	65832247	chr9:65831356-65833448	35.3	27.12	0.68	35.3	28.88	0.69	104.25	3.88	0.96	104.25	0	1	0.63	0.85	-0.355	8.44E-12	9.53E-11	
ENSMUST0000017932.7	Wdr43	chr11	-	372.8	80363695	chr11:80363402-8036410	52.45	134.11	0.28	52.25	149.61	0.28	113.27	66.37	0.63	103.41	66.52	0.61	0.27	0.82	-0.355	1.08E-11	1.19E-10	
ENSMUST0000010222.10	Wdr43	chr11	-	372.8	80363695	chr11:80363402-8036410	52.45	134.11	0.28	52.25	149.61	0.28	113.27	66.37	0.63	103.41	66.52	0.61	0.27	0.82	-0.355	1.08E-11	1.19E-10	
ENSMUST0000202251.9	Gnatp4	chr10	+	878.3	88446671	chr10:88445783-88447329	62.94	134.22	0.34	110.24	123.41	0.37	63.94	113.08	0.71	108.16	46.51	0.7	0.35	0.705	-0.355	8.78E-11	9.16E-10	
ENSMUST0000068717.11	Tcl4	chr18	+	364.5	69683584	chr18:69683307-69684343	53.75	92.29	0.38	53.75	92.29	0.38	100.53	43.56	0.7	90.24	33.4	0.73	0.365	0.715	-0.355	8.06E-09	7.17E-08	
ENSMUST0000012614.2	Zfp11	chr2	+	104.8	127618868	chr2:127618868-127618868	104.05	104.05	0.36	104.05	104.05	0.36	104.05	104.05	0.36	104.05	104.05	0.36	104.05	104.05	0.36	-0.355	1.11E-07	1.11E-07
ENSMUST0000160260.8	Pou2f1	chr1	+	406.4	165877503	chr1:165877153-165876048	63.08	45.24	0.57	47.24	83.57	0.5	87.87	98.63	0.93	106.44	19.43	0.85	0.54	0.35	-0.355	1.63E-08	1.40E-07	
ENSMUST0000011293.6	Rch2	chr2	-	372.7	3375178	chr2:33737138-33737458	66.02	54.71	0.22	63.37	75.21	0.21	84.24	12.85	0.86	88.8	15.84	0.85	0.505	0.585	-0.355	2.02E-08	1.72E-07	
ENSMUST0000012827.8	Ibc2	chr2	+	141.1	339616549	chr2:339615329-339617082	63.43	37.43	0.51	63.43	37.43	0.51	63.43	37.43	0.51	63.43	37.43	0.51	63.43	37.43	0.51	-0.355	1.13E-06	7.83E-06
ENSMUST0000011170.7	Rae5b	chr8	-	3182.6	145817468	chr8:145817087-145820179	14.05	14.05	0.65	14.05	14.05	0.65	14.05	14.05	0.65	14.05	14.05	0.65	14.05	14.05	0.65	-0.355	3.32E-06	2.40E-05
ENSMUST0000036872.15	Wip2	chr5	+	11970.1	142667080	chr5:142666800-142670588	130.64	615.59	0.17	134.23	675.75	0.17	374.58	362.57	0.51	407.58	271.61	0.52	0.17	0.515	-0.345	2.05E-49	1.28E-47	
ENSMUST0000033440.4	Cy5b	chr8	+	9140.9	107183982	chr8:107183982-107183982	273.65	273.65	0.28	268.26	683.55	0.28	403.54	233.36	0.63	419.82	354.34	0.62	0.28	0.625	-0.345	4.99E-45	2.56E-43	
ENSMUST0000038922.8	Zfp11	chr7	+	204.9	12768952	chr7:12768952-12770540	186.33	186.33	0.43	186.33	186.33	0.43	186.33	186.33	0.43	186.33	186.33	0.43	186.33	186.33	0.43	-0.355	1.08E-07	1.19E-06
ENSMUST0000088515.5	Utr1	chr7	+	2769.3	37961207	chr7:37959992-37961697	102.77	243.91	0.32	116.22	243.42	0.32	303.58	71.98	0.72	284.31	201.25	0.59	0.31	0.655	-0.345	1.41E-21	3.05E-20	
ENSMUST0000010645.3	Por3e	chr7	+	117.2	120945742	chr7:120945476-120946249	123.29	123.29	0.41	145.29	181.56	0.4	176.29	73.9										

ENSMUST0000066296.8	Togaram1	chr12	+	184.9	65021893	chr12:65021440-65022573	38.51	69.78	0.36	51.97	63.31	0.45	74.07	27.65	0.73	61.98	22.99	0.74	0.405	0.735	-0.33	2.33E-06	1.55E-05
ENSMUST0000050574.6	Cncj1	chr1	+	109.8	43586214	chr1:43586220-43588967	30.37	38.36	0.42	32.79	40.81	0.45	50.82	19.89	0.67	56.7	11.39	0.83	0.445	0.775	-0.33	5.78E-05	0.000310861
ENSMUST000017687.7	Gm14435	chr2	-	194.4	17643262	chr2:17643261-176433066	39.22	26.15	0.57	39.67	39.67	0.52	41.04	15.04	0.69	41.04	15.04	0.69	0.352	0.622	-0.32	1.000704692	0.000592628
ENSMUST0000168845.7	Phc3	chr3	-	88.6	30907289	chr3:30908371-30907490	19.67	18.42	0.54	19.61	19.72	0.5	17.2	2.93	0.93	3.7	12.11	0.75	0.51	0.84	0.33	0.000831591	0.00055746
ENSMUST0000163854.8	Map4k4	chr10	+	33651.3	40024891	chr1:40024629-40026310	282.4	805.49	0.25	309.5	921.93	0.25	688.78	439.96	0.59	687.72	538.53	0.56	0.225	0.575	-0.32	9.72E-08	7.76E-08
ENSMUST0000039810.7	Xp01	chr10	-	11196.8	12158669	chr10:12158730-12159220	135.70	566.45	0.21	156.17	495.61	0.24	444.88	407.15	0.54	514.2	408.98	0.56	0.225	0.575	-0.32	1.10E-38	4.60E-37
ENSMUST0000012301.11	Plas	chr11	-	14317.6	68986465	chr11:68986467-68988273	320.49	924.83	0.25	330.25	954.76	0.24	869.46	605.82	0.54	817.4	143.07	0.81	0.225	0.575	-0.32	6.48E-37	8.71E-36
ENSMUST0000033289.10	Cbp2	chr7	+	3764.9	13982950	chr7:13928672-132988351	294.22	320.23	0.49	331.09	337.49	0.52	317.0	93.48	0.83	513.95	102.83	0.83	0.505	0.83	-0.32	2.37E-35	8.53E-34
ENSMUST0000017487.9	Maf1	chr1	+	2366.9	9809551	chr1:9805342-9880454	179.74	120.35	0.66	183.18	137.43	0.57	410.07	20.61	0.94	302.63	40.4	0.88	0.585	0.91	-0.32	9.35E-23	2.22E-21
ENSMUST0000081932.12	Nmd5	chr2	+	3734.8	1326666	chr2:1326671-1326676	99.47	118.45	0.59	99.47	206.98	0.57	206.98	99.47	0.94	206.98	76.86	0.66	0.325	0.675	-0.32	0.76E-16	1.86E-15
ENSMUST0000047037.14	Thoc2	chrX	+	810.3	41797572	chrX:4179491-4179771	114.21	126.84	0.21	126.84	217.22	0.21	176.92	73.14	0.71	190.1	77.68	0.71	0.385	0.71	-0.32	4.21E-15	6.28E-14
ENSMUST0000011031.16	GanT2	chrX	-	724.5	9525983	chrX:9525983-9525983	105.3	133.48	0.45	133.48	100.91	0.57	206.98	41.84	0.83	196.92	36.42	0.84	0.51	0.835	-0.32	1.65E-14	2.62E-13
ENSMUST0000019257.18	Ubr1	chr1	+	7591.1	14529176	chr1:14529177-14529178	80.26	80.26	0.45	80.26	144.33	0.45	144.33	80.26	0.64	144.33	80.26	0.64	0.61	0.925	-0.32	1.45E-12	1.42E-11
ENSMUST00000587896.4	Gyvt1	chr15	-	897.7	93244928	chr15:93244455-93245129	184.54	111.86	0.62	169.24	154.82	0.54	148.68	24.03	0.86	129.87	5.17	0.95	0.58	0.905	-0.32	1.18E-13	1.58E-12
ENSMUST0000072322.8	Tmod3	chr9	+	1364.9	75499789	chr9:7549707-7550015	103.83	129.69	0.44	111.96	144.24	0.5	148.22	0.5	0.82	196.93	79.23	0.77	0.47	0.8	-0.32	3.27E-13	4.20E-12
ENSMUST0000011723.7	Ehfr1	chr6	+	683.2	14521566	chr6:14521531-14521571	96.95	127.06	0.43	99.42	118.75	0.46	142.41	80.37	0.64	203.66	22.16	0.9	0.445	0.77	-0.32	1.44E-12	1.75E-11
ENSMUST0000039729.4	Ehfr1	chr6	+	610	145215610	chr6:14521531-14521569	91.26	168.5	0.2	51.21	151.66	0.25	151.66	92.8	0.57	121.65	106.3	0.53	0.225	0.575	-0.32	2.99E-12	3.07E-11
ENSMUST0000078902.7	Mboat2	chr12	+	1281.1	24959461	chr12:24958955-2496035	76.32	99.42	0.43	99.42	206.26	0.43	127.84	75.23	0.63	109.37	69.07	0.61	0.295	0.62	-0.32	2.99E-12	3.07E-11
ENSMUST0000057438.6	Vcpq1	chr1	+	799.6	9724459	chr1:9718622-9725350	11.88	143.84	0.08	14.3	143.47	0.09	59.03	77.28	0.43	56.67	90.03	0.39	0.065	0.41	-0.32	3.27E-11	3.54E-10
ENSMUST0000039517.10	Sydc2	chr1	+	648.9	14602054	chr1:14601983-14602120	61.26	140.78	0.14	61.26	131.71	0.14	105.34	60.23	0.64	97.98	60.59	0.52	0.305	0.635	-0.32	6.55E-10	8.31E-09
ENSMUST0000077257.11	Rra4	chr2	+	314.6	27765031	chr2:27759541-27762957	56.87	65.45	0.67	65.45	30.41	0.62	65.45	0	1	74.45	0	1	0.285	0.715	-0.32	1.28E-08	1.12E-07
ENSMUST0000028119.6	Maf1	chr2	+	55.7	23118261	chr2:23115606-23118592	30.65	90.17	0.25	32.76	81.9	0.29	63.85	45.66	0.58	58.59	37.3	0.61	0.227	0.595	-0.32	6.94E-07	4.93E-06
ENSMUST00000121979.7	Cep135	chr5	+	147.5	76644833	chr5:76644832-76644966	25.39	19.3	0.57	25.02	8.82	0.74	72.07	0	1	69.89	3.08	0.98	0.655	0.98	-0.32	9.32E-07	6.52E-06
ENSMUST0000040660.7	Cep135	chr5	+	147.5	76644833	chr5:76644832-76644966	25.39	19.3	0.57	25.02	8.82	0.74	72.07	0	1	69.88	3.09	0.96	0.655	0.98	-0.32	9.32E-07	6.52E-06
ENSMUST0000020723.1	Dun1d3	chr7	+	198.5	119857447	chr7:119858061-119858056	43	35.01	0.65	45.47	32.37	0.58	61.98	6.21	0.91	61.59	8.95	0.87	0.565	0.89	-0.32	1.23E-05	7.46E-05
ENSMUST0000016852.7	Demd1b	chr1	+	108	13917625	chr1:139169756-139176043	27.31	16.44	0.63	30.01	11.79	0.67	39.01	0	1	36.75	0	1	0.675	0.91	-0.32	4.83E-05	0.000263421
ENSMUST0000039890.5	Demod1	chr2	+	649.2	64917442	chr2:64919559-64919557	18.12	45.08	0.27	18.12	45.92	0.28	62.2	50.14	0.8	50.14	23.99	0.8	0.265	0.535	-0.32	9.19E-05	0.000478864
ENSMUST00000116403.8	Hmkp	chr3	+	31875.2	5839261	chr3:58391142-58392746	922.15	2588.72	0.16	1088.98	2698.97	0.29	2343.99	1579.71	0.6	2458.47	1688.59	0.59	0.275	0.595	-0.32	3.40E-178	3.62E-175
ENSMUST0000053698.6	Uck2	chr1	+	21094.8	17226182	chr1:16722883-16722621	183.11	1166.67	0.14	116.67	1188.74	0.14	576.58	655.22	0.47	640.39	790.64	0.45	0.174	0.726	-0.32	5.75E-177	7.98E-175
ENSMUST0000029221.9	Cenpa21	chr2	+	5994.1	152279176	chr2:152279176-152281852	572.61	614.44	0.24	572.61	653.05	0.24	614.44	572.61	0.77	614.44	572.61	0.77	0.352	0.648	-0.32	3.00E-059	2.75E-058
ENSMUST0000026904.12	Metap1	chr3	+	3675.3	13846294	chr3:13845896-13846500	489.79	411.82	0.33	202.32	356.12	0.36	318.86	147.22	0.68	337.39	183.29	0.65	0.345	0.665	-0.32	2.80E-26	7.55E-25
ENSMUST00000107302.7	Mix	chr10	+	889.5	101091396	chr10:10109110-101091823	192.95	195.06	0.5	195.06	135.34	0.59	281.79	36	0.89	302.02	38.79	0.89	0.57	0.89	-0.32	1.11E-20	2.28E-19
ENSMUST0000006108.6	1810300070rk	chrX	+	622.1	12566263	chrX:12564876-12566488	126.71	65.43	0.67	126.71	65.43	0.67	152.62	0	1	136.15	0	1	0.68	0.91	-0.32	5.62E-18	1.03E-16
ENSMUST0000007644.7	Cul	chr1	+	427.9	44151464	chr1:44140262-44151737	91.38	111.464	0.38	91.38	141.41	0.38	141.41	91.38	0.21	141.41	91.38	0.21	0.615	0.935	-0.32	1.81E-15	3.96E-14
ENSMUST00000159085.7	Inaig2	chrX	+	222.8	12130546	chrX:12130555-12130547	100.66	66.6	0.66	94.8	65.51	0.54	20.55	0	1	175.16	32.67	0.84	0.6	0.92	-0.32	3.62E-14	4.88E-13
ENSMUST00000113126.2	Mapkap1	chr2	+	1057.4	34623818	chr2:34623424-34624950	42.05	179.23	0.29	52.62	191.21	0.22	120.69	130.92	0.48	101.36	106.6	0.57	0.205	0.525	-0.32	1.76E-13	2.32E-12
ENSMUST0000008584.7	Mapkap1	chr2	+	558.9	34623818	chr2:34623424-34624950	42.05	179.23	0.29	52.62	191.21	0.22	120.69	130.92	0.48	101.36	106.6	0.57	0.205	0.525	-0.32	1.76E-13	2.32E-12
ENSMUST0000018387.3	Lrc1	chr9	+	936.2	77431970	chr9:77430823-77432280	80.36	208.6	0.28	80.36	208.6	0.28	121.27	66.89	0.62	121.27	66.89	0.62	0.58	0.82	-0.32	6.84E-13	8.56E-12
ENSMUST00000119838.8	Gm14322	chr2	+	967.7	17776897	chr2:17776897-17777042	40.62	62.58	0.18	40.62	118.2	0.18	100.02	0	1	119.77	0	1	0.68	0.91	-0.32	3.23E-12	2.67E-11
ENSMUST00000074865.8	Uck2	chr1	+	299.2	98888979	chr1:98888979-9889277	124.35	111.28	0.57	124.35	111.28	0.57	149.77	61.45	0.85	80.29	61.45	0.85	0.23	0.62	-0.32	2.60E-09	4.45E-08
ENSMUST00000041618.14	Ptdx	chr10	+	6054.0	78440681	chr10:78438347-78440913	56.61	59.46	0.33	56.61	74.61	0.33	62.95	54.47	0.58	69.89	51.86	0.65	0.265	0.615	-0.32	6.32E-08	5.22E-08
ENSMUST00000150434.7	Brd3	chrX	+	695.4	108743305	chrX:108737016-108743310	41.14	186.17	0.18	38.19	140.79	0.21	61.2	45.03	0.58	65.64	81.12	0.45	0.198	0.515	-0.32	1.01E-08	8.87E-08
ENSMUST0000011560.9	Szc2c	chr9	+	137.1	121684575	chr9:121683034-121684888	48.76	106.17	0.83	53.1	66.2	0.83	66.2	0	1	60.61	0	1	0.656	0.91	-0.32	1.42E-08	1.23E-07
ENSMUST0000003880.5	Demod1	chr2	+	1629.8	64917442	chr2:64919559-64919557	18.12	45.08	0.27	18.12	45.92	0.28	62.2	50.14	0.8	50.14	23.99	0.8	0.265	0.535	-0.32	9.19E-05	0.000478864
ENSMUST0000022264.12	Ptprp	chr4	+	393.5	12238452	chr4:12237721-12240041	23.99	100.56	0.14	23.99	134.78	0.14	64.41	62.82	0.51	53.63	58.36	0.48	0.175	0.525	-0.32	2.69E-08	2.24E-07
ENSMUST00000186999.1	NsinG17	chr2	+	4800.1	158395796	chr2:15833706-158356843	68.96	96.44	0.49	55.45	89.08	0.49	118.65	41.65	0.74	102.85	31.48	0.77	0.435	0.795	-0.32	4.93E-08	4.02E-07
ENSMUST00000170317.3	Ahd3	chr9	+	499.3	75347367	chr9:7533959-7536833	49.2	69.2	0.58	49.2													

ENSMUST0000156520.7	Ahdh5	chr9	+	90.6	12237974	chr9:12237974-12280575	10.88	71.05	0.13	17.22	57.11	0.23	39.45	53.49	0.42	43.88	35.11	0.55	0.18	0.485	-0.305	5.77E-05	0.000010693
ENSMUST0000027840.5	Tmem206	chr1	+	137.9	191350157	chr1:191350157-191350914	34.38	80.06	0.41	37.81	68.34	0.38	56.27	38.34	0.59	52.17	14.2	0.79	0.385	0.89	-0.305	0.000134828	0.000682801
ENSMUST0000041311.2	Sctd1	chr19	+	2349.5	44397017	chr19:44397017-44398118	734.83	816.7	0.54	792.56	591.38	0.56	721.49	586	0.72	615.16	121.55	0.85	0.545	0.85	-0.3	1.47E-54	1.04E-52
ENSMUST0000089032.0	Usp9x	chrX	+	16699.2	13166910	chrX:13166910-13173328	93.44	810.9	0.11	111.46	883.88	0.11	355.72	490.22	0.52	360.01	185.93	0.39	1.050	0.405	-0.3	1.79E-50	1.17E-48
ENSMUST0000033910.8	Leprot1	chr8	-	4893.4	34137597	chr8:34137597-34137838	37.69	646.88	0.06	54.26	612.03	0.06	188.03	262.32	0.39	140.37	267.24	0.34	0.065	0.365	-0.3	1.34E-38	5.58E-37
ENSMUST00000110463.3	Mcp2	chr2	-	7556.4	125831749	chr2:125830344-125832337	96.65	616.53	0.15	275.03	638.94	0.15	275.03	359.91	0.43	271.24	323.27	0.46	0.145	0.465	-0.3	5.73E-35	2.03E-33
ENSMUST0000000000.0	Rgs2	chr3	-	8623.8	35511712	chr3:35509638-35511712	81.21	803.93	0.32	432.17	855.57	0.32	432.17	452.32	0.67	405.27	452.32	0.67	0.335	0.67	-0.3	1.28E-31	3.12E-31
ENSMUST0000030622.2	Cy4	chrX	+	6527.9	134937126	chrX:134936840-134937548	158.31	454.42	0.26	185.12	468.64	0.26	314.58	237.29	0.57	336.6	251.91	0.57	0.27	0.57	-0.3	3.07E-26	8.21E-25
ENSMUST0000016681.14	Srsf2	chrX	+	4566.7	38535327	chrX:38533274-38533728	197.66	244.46	0.57	204.94	290.92	0.57	204.94	106.56	0.79	466.62	96.86	0.83	0.51	0.27	-0.3	5.30E-24	1.28E-22
ENSMUST0000025967.7	Srsf1	chr19	+	4602	53380004	chr19:53379214-53380601	150.66	244.46	0.57	204.94	290.92	0.57	204.94	106.56	0.79	466.62	96.86	0.83	0.51	0.27	-0.3	5.30E-24	1.28E-22
ENSMUST0000026093.8	Btd1	chr7	-	1732.6	81793255	chr7:81792074-81793276	63.2	67.13	0.27	255.57	67.13	0.27	218.17	0.51	229.62	237.77	0.49	0.2	0.2	-0.3	1.58E-18	1.28E-17	
ENSMUST0000027871.6	Lrrc58	chr16	+	1122	3781455	chr16:3781234-37818858	127.86	64.2	0.67	10.7	45.19	0.73	141.31	0	1	157.74	0	1	0	0	-0.3	7.31E-17	2.18E-15
ENSMUST0000010288.1	Rai1	chr11	+	881.1	60198557	chr11:60198031-60199088	143.93	79.32	0.66	254.9	79.32	0.66	254.9	0.9	235.47	23.96	0.81	0.65	0.81	0.65	-0.3	4.88E-15	7.23E-14
ENSMUST0000064190.12	Rai1	chr11	+	881.1	60198557	chr11:60198031-60199088	120.38	93.32	0.66	149.93	79.32	0.66	254.9	0.9	235.47	23.96	0.81	0.605	0.81	0.605	-0.3	4.88E-15	7.23E-14
ENSMUST0000020339.9	Tbcd115	chr10	-	3105.6	115199450	chr10:115197872-115199764	60.45	215.21	0.56	286.63	296.63	0.56	278.6	20.8	0.56	131.63	165.57	0.44	0.2	0.5	-0.3	1.18E-14	1.70E-13
ENSMUST0000021536.1	E2f3	chr13	-	886	29098988	chr13:2909675-29010165	117.43	79.78	0.72	126.84	103.8	0.55	204.74	24.95	0.89	220.11	35.26	0.86	0.575	0.875	-0.3	1.80E-13	2.38E-12
ENSMUST000004736.13	Spot1	chr7	+	571.1	53676113	chr7:53671476-53678711	203.33	266.86	0.09	199.92	266.86	0.09	199.92	129.86	0.42	80.55	126.58	0.39	0.105	0.405	-0.3	4.87E-13	5.90E-12
ENSMUST0000011160.8	Ak3	chr1	-	719	17702818	chr1:17702211-117702549	133.49	92.08	0.59	140.42	132.61	0.59	155.66	18.89	0.58	157.8	10.81	0.94	0.615	0.915	-0.3	4.08E-12	4.78E-11
ENSMUST0000027877.6	Klfp3	chr1	+	992.8	163915926	chr1:163915725-163917109	106.64	102.06	0.61	117.51	77.88	0.6	185.47	14.35	0.93	173.64	48.27	0.78	0.565	0.855	-0.3	3.83E-11	4.11E-10
ENSMUST0000020551.11	Tsc1	chr2	+	28697417	28697417	chr2:28685936-28691675	45.6	445.85	0.32	201.92	445.85	0.32	201.92	64.52	0.34	103.39	57.09	0.64	0.305	0.605	-0.3	8.07E-08	6.41E-07
ENSMUST0000066179.13	Tceel	chr9	-	354.7	42415876	chr9:42413418-42416149	34.27	61.55	0.66	63.5	38.18	0.63	80.67	0	1	76.8	9.51	0.89	0.545	0.895	-0.3	2.23E-07	1.68E-06
ENSMUST0000011831.7	Zfp385b	chr2	-	86.9	77411918	chr2:77411100-77412140	40.87	40.87	0.08	44.01	18.3	0.71	64.42	0	1	62.41	0.72	0.99	0.695	0.995	-0.3	5.27E-07	3.81E-06
ENSMUST0000037499.5	Impm1	chr2	+	3940.5	105955455	chr2:105955284-105955558	71.01	81.42	0.08	11.95	82.49	0.11	42.23	52.06	0.45	53.67	64.11	0.34	0.2605	0.565	-0.3	2.80E-05	1.84E-05
ENSMUST0000028230.13	Codc1	chr2	+	194.6	29037469	chr2:29038070-29035514	35.33	92.09	0.68	45.51	96.06	0.68	75.56	37.37	0.66	56.43	49.03	0.54	0.6	0.6	-0.3	3.98E-05	2.56E-05
ENSMUST0000042395.7	Nsd3	chr3	+	168.1	25714455	chr8:25714159-25719667	35.41	41.49	0.38	32.47	91.39	0.38	51.58	38.86	0.57	49.91	34.39	0.59	0.28	0.58	-0.3	1.45E-05	8.65E-05
ENSMUST0000010149.4	Mafg	chr9	+	129.5	82391368	chr9:823291128-82392526	36.12	18.7	0.71	32.6	14.49	0.69	47.8	0	1	52.84	0	1	0.7	1	-0.3	1.48E-05	8.80E-05
ENSMUST0000010948.1	Tmem145	chr7	+	28	23139922	chr7:23135391-23136195	34.3	23	0.52	51.22	34.3	0.52	51.22	54.22	0.2	37.82	0	0.64	0.305	0.605	-0.3	1.72E-05	0.00010326
ENSMUST00000112811.7	Kihf8	chr5	-	133.7	103862906	chr5:103861973-103863191	40.27	39.82	0.5	39.5	59.16	0.4	51.04	18.42	0.73	55.83	16.26	0.77	0.45	0.75	-0.3	8.78E-05	0.000459331
ENSMUST0000030936.10	Tnfrsf1b	chr4	+	191.5	145214326	chr4:145213463-145216100	30.43	32.89	0.48	31.07	33.89	0.48	57.88	15.95	0.78	49.23	23.88	0.78	0.48	0.78	-0.3	0.000240842	0.00156610
ENSMUST0000025081.5	Nucb2	chr12	+	116.36	592092969	chr12:592092969-592093221	21.26	48.79	0.3	21.26	48.79	0.3	21.26	48.79	0.3	21.26	48.79	0.3	0.325	0.625	-0.3	0.00032369	0.0021826
ENSMUST0000044033.17	Zfp40	chr17	+	67.9	23177080	chr17:23174876-23177364	21.33	15.5	0.61	29.19	13.19	0.69	30.22	0.72	0.98	30.5	2.7	0.92	0.65	0.95	-0.3	0.001018247	0.004275082
ENSMUST0000052774.7	Tyw3	chr3	-	50.5	154579984	chr3:154578433-154580291	4.23	8.2	0.34	19.28	8.2	0.34	19.28	20.64	0.48	19.3	25.25	0.43	0.155	0.455	-0.3	0.003529249	0.021897462
ENSMUST0000084770.4	Fub1	chr4	+	80.4	25619384	chr4:25603532-25620220	27.99	30.52	0.47	29.98	22.84	0.47	29.98	7.19	0.81	29.44	10.6	0.74	0.475	0.775	-0.3	0.004513177	0.01693260
ENSMUST0000010994.6	Nucks1	chr8	+	81856.5	131911034	chr8:131910324-131923464	854.89	1246.42	0.49	1246.42	854.89	0.49	1246.42	1246.42	0.47	1246.42	1246.42	0.47	0.47	0.47	-0.3	1.48E-05	8.65E-05
ENSMUST0000062264.7	Nucks1	chr1	+	61856.8	131913233	chr1:131910324-131923464	854.79	1486.42	0.37	1486.42	854.79	0.37	1486.42	420.71	0.69	1029.72	564.19	0.64	0.37	0.665	-0.3	4.68E-73	5.78E-71
ENSMUST0000023299.11	Kras	chr6	+	8773.4	145219547	chr6:145218939-145220724	133.31	759.83	0.16	152.77	759.83	0.16	152.77	587.2	0.47	490.01	643.77	0.43	0.155	0.45	-0.3	1.01E-47	5.75E-46
ENSMUST0000026461.3	letc1p1	chr13	+	26037.4	78940714	chr13:78940714-78941609	833.87	1028.28	0.12	371.15	1028.28	0.12	371.15	1028.28	0.12	371.15	1028.28	0.12	0.12	0.12	-0.3	1.48E-05	8.65E-05
ENSMUST00000116234.8	Arl1	chr10	+	5204.3	88743227	chr10:88743228-88744094	281.18	332.15	0.48	320.02	306.41	0.48	320.02	157.26	0.76	527.18	116.44	0.82	0.495	0.795	-0.3	7.43E-29	2.19E-27
ENSMUST0000065976.11	Rpslk6	chrX	+	3875.5	11389710	chrX:113881121-11389911	252.6	226.3	0.53	266.7	226.3	0.53	266.7	96.73	0.83	461.07	154.96	0.75	0.495	0.79	-0.3	1.87E-26	2.29E-24
ENSMUST00000102858.12	Pgfm	chr13	+	9985.5	101043022	chr13:101043022-101043322	237.67	284.99	0.53	237.67	284.99	0.53	237.67	112.08	0.78	389.04	53.72	0.87	0.53	0.87	-0.3	5.92E-26	2.52E-21
ENSMUST00000109150.8	Zmyx1	chr12	+	2153	125864002	chr12:125864002-125864317	23.37	30.34	0.57	12.86	30.34	0.57	12.86	208.21	0.54	173.89	178.66	0.16	0.165	0.165	-0.3	1.69E-16	1.69E-16
ENSMUST0000027886.13	Ralsp2	chr1	+	1857.9	156808908	chr1:156806760-156809193	36.49	277.83	0.12	42.11	334.18	0.11	112.44	152.45	0.42	106.43	162.57	0.4	0.115	0.415	-0.3	2.15E-17	3.65E-16
ENSMUST0000022835.12	Cnrl1	chr2	+	137.6	132866004	chr2:132865837-132867895	47.21	28.17	0.87	28.17	294.48	0.87	146.16	151.71	0.49	143.13	181.15	0.44	0.115	0.465	-0.3	2.92E-16	6.69E-15
ENSMUST00000102823.7	Cnrl1	chr2	+	428.6	132866004	chr2:132865837-132867895	47.21	28.17	0.87	28.17	294.48	0.87	146.16	151.71	0.49	143.13	181.15	0.44	0.115	0.465	-0.3	2.92E-16	6.69E-15
ENSMUST0000088289.9	Kihnd10	chr8	+	1142.8	304504805	chr8:304504807-30455179	93.69	213.49	0.3	102.61	222.74	0.3	102.61	108.38	0.63	195.73	142.89	0.58	0.375	0.675	-0.3	1.38E-13	1.81E-12
ENSMUST0000010751.13	Sts38l	chr2	+	1008.5	146776474	chr2:146775594-146778812	37.17	165.09	0.26	93.05	187.33	0.26	93.05	187.33	0.26	93.05	187.33	0.26	0.26	0.26	-0.3	6.35E-10	6.24E-09
ENSMUST0000011741.8	Ado3	chr19	+	790.1	53245329	chr																	

ENSMUST0000162512.7	Gtbbp8	chr16	-	214.5	44739264	chr16:4473284-44739368	52.16	72.95	0.42	46.4	89.1	0.34	89.79	45.16	0.67	95.43	49.77	0.66	0.38	0.665	-0.285	3.26E-06	1.12E-05	
ENSMUST0000179226.7	Col4A3bp	chr3	+	201.2	96637414	chr3:96637118-96680185	66.03	67.81	0.53	68.03	70.29	0.49	105.72	32.93	0.76	78.14	15.84	0.83	0.51	0.795	-0.285	5.12E-06	3.25E-05	
ENSMUST0000175723.3	Mybln1	chr4	+	298.8	94949222	chr4:94942040-94947123	48.1	61.1	0.44	61.1	64.1	0.42	88.64	35.14	0.71	64.6	3.14	0.71	0.41	0.285	1.86E-05	9.30E-05	0.715	0.43
ENSMUST0000058524.2	Zc3hav11	chr6	-	252.1	38292864	chr6:38297396-38293137	34.18	22.52	0.6	36.85	16.73	0.68	80.32	6.73	0.93	90.52	3.72	0.92	0.64	0.925	-0.285	2.00E-05	0.000116314	
ENSMUST0000186764.6	Nab1	chr1	-	164.2	52458958	chr1:52457294-52459036	49.55	60.71	0.45	60.71	49.72	0.46	85.05	15.16	0.83	70.94	33.46	0.68	0.47	0.755	-0.285	4.62E-05	0.000247911	
ENSMUST0000041284.14	Zfp838	chr10	-	114.2	82226292	chr10:82224850-82226593	29.86	36.6	0.61	31.24	21.11	0.61	65.15	10.11	0.81	63.15	10.54	0.86	0.645	-0.285	0.000349503	0.001629338		
ENSMUST0000001631.11	Ptp44	chr4	+	83.4	103813248	chr4:103812308-103818831	41.04	45.04	0.47	45.04	45.04	0.47	66.07	19.07	0.64	61.12	10.32	0.71	0.41	0.285	0.0003912	0.00038512	0.00015411	0.00015411
ENSMUST0000120563.1	Ptger4	chr15	-	97.2	53242305	chr15:53233939-5325222	34.99	30.53	0.37	34.99	26.53	0.57	30.76	26.53	0.44	0.93	36.16	11.11	0.76	0.56	0.845	-0.285	0.000478578	0.002166711
ENSMUST0000034987.14	Dopey1	chr9	+	63	86554217	chr9:86554016-86554577	33.6	26.14	0.56	26.14	15.11	0.57	61.61	7.72	0.89	36.59	8.77	0.81	0.565	-0.285	0.000535055	0.006185984		
ENSMUST0000090976.3	Dopey2	chr9	+	63	86554217	chr9:86554016-86554577	33.6	26.14	0.56	26.14	15.11	0.57	61.61	7.72	0.89	36.59	8.77	0.81	0.565	-0.285	0.000535055	0.006185984		
ENSMUST0000222028.1	Ptcd1c	chr13	-	27.8	48579642	chr13:48579210-48579843	27.45	11.78	0.43	27.45	14.41	0.38	27.93	4.56	0.86	25.56	6.12	0.81	0.55	-0.285	0.010411691	0.033446091		
ENSMUST000000049623.3	Ermo6	chr11	-	34035.9	73176381	chr11:73175519-73176751	47.54	61.03	0.29	47.54	117.36	0.38	73.63	565.82	0.56	80.66	57.8	0.59	0.295	-0.285	8.15E-04	5.70E-02		
ENSMUST0000277329.14	Lamc1	chr1	-	67423.3	153221329	chr1:153218922-153221329	548.37	42.44	0.47	548.37	42.44	0.47	609.13	42.44	0.47	249.17	215.17	0.33	0.285	0.13	0.065	3.4E-03	3.4E-03	
ENSMUST0000024078.13	05_Mzr	chr19	-	7364.4	37221768	chr19:37221390-37221239	164.62	476.62	0.26	163.33	483.58	0.27	418.05	322.97	0.56	410.05	360.65	0.53	0.265	-0.285	8.72E-27	1.58E-25		
ENSMUST0000106128.6	Adgr12	chr3	-	8727.1	148816587	chr3:148815586-148817928	156.23	415.49	0.26	156.23	415.49	0.26	231.31	227.37	0.3	281.29	236.8	0.55	0.3	-0.28	8.79E-22	1.92E-20		
ENSMUST0000035214.10	lptk1	chr9	+	2685.9	106045877	chr9:106045483-106048782	219.72	193.77	0.53	224.64	189.97	0.55	320.7	83.46	0.79	330.49	80.37	0.8	0.515	-0.28	2.24E-18	4.20E-17		
ENSMUST0000003410.8	lpt1	chr9	+	1476	85178726	chr9:85178758-85178925	20.54	236.19	0.08	20.54	236.19	0.08	140.29	66.42	122.68	0.35	0.08	0.36	0.285	0.787E-15	1.11E-13			
ENSMUST0000084705.11	Tea1	chr7	+	282	112898901	chr7:112898541-112899459	93.68	24.1	0.57	100.17	25.2	0.77	150.17	0	1	140.15	0	1	-0.28	6.92E-14	9.41E-13			
ENSMUST0000023615.6	Dscr3	chr16	-	672.1	94498523	chr16:94497783-94499082	138.09	150.04	0.48	154.43	125.79	0.55	242.08	60.87	0.8	256.05	66.06	0.79	0.515	-0.28	3.21E-13	4.14E-12		
ENSMUST0000020301.13	Dna3	chr11	-	1484.1	103985504	chr11:103985514-103941369	133.36	79.02	0.62	167.52	180.59	0.68	187.52	67.89	0.68	216.62	80.49	0.73	0.425	-0.285	3.96E-12	3.96E-11		
ENSMUST0000027505.12	Ing5	chr1	+	2317	93818512	chr1:93818281-93822095	127.39	159.69	0.47	120.06	74	0.62	191.67	0	1	215.92	31.24	0.88	0.66	-0.28	3.84E-12	4.27E-11		
ENSMUST0000105431.7	Zwint	chr10	+	34728.8	72669148	chr10:72667899-72669789	45.44	210.11	0.18	43.65	223.88	0.16	108.59	103.99	0.51	89.05	140.13	0.39	0.17	-0.28	4.08E-11	4.37E-10		
ENSMUST0000022535.3	Cal39	chr14	+	605	55547233	chr14:55546985-55549043	24.99	157.06	0.14	22.91	164.78	0.12	69.83	89.32	0.44	73.24	118.93	0.38	0.13	-0.28	2.00E-09	1.89E-08		
ENSMUST0000000306.2	Htt	chr5	+	216.8	34905837	chr5:34905832-34912534	31.08	150.03	0.17	27.39	147.99	0.16	75.04	87.87	0.46	68.33	91.45	0.43	0.165	-0.28	1.53E-08	1.32E-07		
ENSMUST0000037862.5	Nr3a2	chr4	+	1767.9	49189147	chr4:49187550-49191031	50.59	105.05	0.33	59.44	88.08	0.4	173.29	73.14	0.17	160.31	110.61	0.59	0.365	-0.28	4.11E-08	3.37E-07		
ENSMUST0000112192.7	Trapp2	chrX	+	410.3	166452441	chrX:166452131-166453138	96.8	92.54	0.51	96.8	124.06	0.41	145.11	26.29	0.85	128.02	74.83	0.63	0.46	-0.28	6.23E-08	5.05E-07		
ENSMUST0000002909.6	Fkca	chr2	+	309.4	78530761	chr2:78529886-78530528	65.7	89.36	0.42	65.7	90.02	0.42	87.81	57.87	0.7	152.21	60.32	0.72	0.67	-0.28	1.04E-07	8.18E-07		
ENSMUST0000109522.7	Ncoa3	chr2	+	655.5	166070930	chr2:166070132-166071470	74.53	102.83	0.46	74.53	99.26	0.46	107.83	25.33	0.83	95.14	67.83	0.58	0.415	-0.28	6.21E-07	4.45E-06		
ENSMUST00000033810.7	Rbm41	chrX	+	132.6	139945700	chrX:139944256-139945903	60.36	84.06	0.73	54.06	87.36	0.73	58.98	76.36	0.24	9.2	69.57	6.85	0.96	0.66	-0.28	4.13E-06	2.96E-05	
ENSMUST00000038213.13	Stm1	chr12	+	395.7	97605412	chr12:97605412-97609828	38.12	58.94	0.52	38.12	58.94	0.52	53.98	40.42	0.38	54.29	40.42	0.38	0.285	0.00019457	0.00019457			
ENSMUST0000022639.7	Nefl	chr14	+	192.1	68087693	chr14:68087308-68089095	18.31	55.5	0.25	21.22	67.71	0.24	75.36	62.87	0.55	60.2	59.87	0.5	0.245	-0.28	4.73E-05	0.000258517		
ENSMUST0000114491.1	Ccdc126	chr6	+	256.8	4934071	chr6:49339826-49341578	35.25	44.78	0.38	44.78	35.25	0.38	69.28	27.5	0.72	55.44	24.47	0.66	0.41	-0.28	4.82E-05	0.000283908		
ENSMUST0000044255.12	Ggat1	chr2	-	51.6	38402593	chr2:38402109-38402802	34.82	6.04	0.46	34.82	6.04	0.46	46.61	0	1	45.94	6.98	0.87	0.655	-0.28	0.000179252	0.000887636		
ENSMUST0000002909.6	Nr3a2	chrX	+	410.3	166452441	chrX:166452131-166453138	96.8	92.54	0.51	96.8	124.06	0.41	145.11	26.29	0.85	128.02	74.83	0.63	0.46	-0.28	6.23E-08	5.05E-07		
ENSMUST0000022748.1	Zfp37	chr4	+	133.4	62191259	chr4:62190468-62192869	31.68	38.84	0.45	28.07	44.44	0.45	53.99	23.86	0.69	62.53	11.02	0.85	0.49	-0.28	0.000734219	0.000317457		
ENSMUST00000884436.9	Cend1	chr7	+	81.2	141427649	chr7:141426446-141428203	34.47	20.39	0.83	28.88	20.39	0.55	26.39	9.36	0.74	37.93	0	1	0.59	-0.28	0.00023353	0.00784444		
ENSMUST0000098568.6	Bmpr1b	chr3	-	66.6	14184038	chr3:14184038-141840733	10.63	23.43	0.61	10.63	23.43	0.61	6.08	8.83	0.38	7.75	3.77	0.91	0.59	-0.28	0.00017569	0.000838239		
ENSMUST0000033543.3	Cmod	chrX	+	318.5	75404986	chrX:75404876-75405218	28.54	20.26	0.58	28.54	20.26	0.58	42.64	12.2	0.78	37.58	7.21	0.84	0.53	-0.28	0.004071594	0.016890502		
ENSMUST0000026268.8	Ccdc29a	chr2	-	80.3	16216191	chr2:16216154-16216392	23.6	24.35	0.34	23.6	24.35	0.34	25.86	24.45	0.48	24.45	24.45	0.55	0.385	-0.28	0.013399752	0.041589157		
ENSMUST0000002909.6	Mtp	chr3	-	1330.9	13309036	chr3:13309036-133091229	6.29	26.99	0.3	6.29	26.99	0.3	26.99	16.01	0.68	16.01	21.27	0.67	0.42	-0.28	6.44E-06	4.29E-06		
ENSMUST0000044277.9	Chmp4b	chr2	+	16664.2	15469415	chr2:154693944-154694785	115.69	746.13	0.15	126.93	746.13	0.15	362.38	451.87	0.45	366.01	583.83	0.39	0.145	-0.28	4.10E-21	5.47E-36		
ENSMUST0000002909.6	Cus8	chr10	+	1809.8	9623169	chr10:9623169-962318733	23.63	92.53	0.42	23.63	92.53	0.42	251.45	248.02	0.5	230.36	276.84	0.45	0.2	-0.275	1.40E-17	8.59E-20		
ENSMUST0000020449.1	Gm2075	chr13	-	36297.1	96080390	chr13:96079216-96081376	97.87	228.29	0.33	113.86	213.88	0.35	273.03	187.23	0.59	269.3	175.63	0.61	0.325	-0.28	2.68E-14	3.62E-13		
ENSMUST0000055795.18	Ubr3	chr3	+	106.9	10020259	chr3:10020259-10020413	30.34	33.39	0.13	30.34	248.37	0.11	107.39	158.38	0.4	99.8	138.39	0.4	0.99	0.32	-0.275	1.55E-13	1.10E-11	
ENSMUST0000025623.10	Caspr1	chr11	-	14263.3	18704221	chr11:18704221-18704789	142.65	187.18	0.36	142.65	187.18	0.36	171.93	106.37	0.57	171.93	106.37	0.57	0.415	-0.28	9.24E-13	2.96E-12		
ENSMUST0000037411.8	Sed7	chr3	-	3251.9	51571087	chr3:51571087-515821487	143.64	77.57	0.65	129.76	74.71	0.62	189.58	31.88	0.86	233.29	94.3	0.96	0.635	-0.28	9.72E-13	1.20E-11		
ENSMUST0000017305.7	Hdgf3	chr7	-	572.5	81885770	chr7:81884071-81886033	102.17	112.18	0.45	101.76	112.18	0.45	213.75	12.09	0.57	213.75	12.09	0.57	0.535	-0.28	2.22E-10	2.28E-09		
ENSMUST0000108239.6	Atad3	chr1	+	1082.1	80134494	chr1:80134494-80135794	11.33	91.41	0.55	132.79														

ENSUMST0000049081.11	S100bpb	chr4	-	830.5	129150833	chr4:129149372-129151091	131.51	49.47	0.73	109.95	75.64	0.59	247.57	42.25	0.85	263.7	0	1	0.66	0.925	-0.265	1.30E-12	1.59E-11
ENSUMST0000013388.13	Amh2	chr9	-	1308.5	108649040	chr9:108629242-10865153	111.9	209.85	0.35	112.85	243.36	0.32	214.22	132.42	0.62	205.96	146.66	0.58	0.335	0.6	-0.265	1.47E-12	1.79E-11
ENSUMST0000018170.3	Chnmp1	chr2	-	2325.2	13880524	chr8:13877796-13881938	142.84	156.69	0.58	156.69	73.35	0.66	222.38	173.86	0.86	222.38	167.28	0.93	0.6	0.895	-0.265	5.18E-12	5.99E-11
ENSUMST0000051431.9	Fbxo28	chr1	-	1777.8	182316508	chr1:182310122-182317285	48.3	241.54	0.18	53.2	238.87	0.18	130.55	58.14	0.62	98.18	109.19	0.48	0.785	0.44	-0.265	8.04E-11	8.40E-10
ENSUMST0000057293.7	Prr12	chr7	-	1297.1	450228131	chr7:45027563-450228284	98.81	207.33	0.32	95.96	227.53	0.33	168.43	109.46	0.61	157.35	103.65	0.51	0.231	0.575	-0.265	2.54E-10	1.59E-09
ENSUMST0000017430.11	Gis6a4	chr1	-	2863.8	76221830	chr1:76221510-76222031	65.31	249.39	0.21	70.21	281.94	0.25	102.14	108.51	0.49	99.89	99.29	0.54	0.33	0.495	-0.265	1.70E-10	2.71E-09
ENSUMST0000003899.8	Cdk4l1	chr8	-	325.8	111996838	chr8:111996423-111996882	95.28	106.14	0.53	106.14	119.29	0.53	298.42	117.29	0.62	298.42	54.22	0.72	0.52	0.232	-0.265	6.75E-08	7.62E-07
ENSUMST0000020904.7	Rock2	chr2	-	1352.9	16985571	chr12:16984638-16987823	71.23	129.59	0.14	71.23	120.76	0.15	116.99	63.55	0.65	129.64	78.17	0.62	0.37	0.635	-0.265	1.45E-07	1.12E-06
ENSUMST0000008980.8	Zfp955a	chr7	-	272.3	33242082	chr7:33241519-33242950	50.1	47.69	0.76	47.69	19.08	0.71	0.19	1	0.19	1	0.19	1	0.735	0.50	-0.265	1.32E-06	9.00E-06
ENSUMST0000016356.2	Dht	chr10	-	51.6	107969313	chr10:107969242-10800420	15.1	15.1	0.7	15.1	50.63	0.7	50.63	15.1	0.7	50.63	15.1	0.7	0.735	0.50	-0.265	0.00012462	0.00012462
ENSUMST0000012072.21	261002MORRk	chrX	-	104	10778427	chrX:107782751-107787853	9.09	72.99	0.92	9.09	93.34	0.92	24.87	45.96	0.35	25.68	41.85	0.38	0.1	0.365	-0.265	5.98E-05	0.00021055
ENSUMST0000008542.7.5	Zfp865	chr7	-	77.7	5032990	chr7:5032763-5033138	28.47	20.94	0.68	28.47	29.94	0.68	29.94	3.95	0.95	40.45	8.75	0.82	0.62	0.885	-0.265	0.000226166	0.01095792
ENSUMST00000120176.6	Rfx2	chr1	-	191	76021915	chr1:76021915-76022240	23.37	23.37	0.63	23.37	23.37	0.63	23.37	23.37	0.63	23.37	23.37	0.63	0.63	0.63	-0.265	0.00326303	0.00326303
ENSUMST0000010559.8	Espin	chr4	-	45.4	152120889	chr4:152120336-152121265	20.99	8.86	0.78	20.99	8.86	0.78	20.99	2.63	0.93	40.52	0.2	0	1	0.7	-0.265	0.001082551	0.004521259
ENSUMST0000008889.4	Fancm	chr2	-	234.5	65130546	chr12:65130275-65132058	31.85	58.88	0.35	31.85	58.88	0.35	31.85	3.27	0.53	41.21	31.11	0.57	0.285	0.955	-0.265	0.001566843	0.006295858
ENSUMST00000212086.1	Komn1	chr8	-	123.1	70844205	chr8:70843158-70844451	22.86	21.71	0.51	22.86	21.71	0.51	22.86	47.63	2.32	0.95	33.59	2.29	0.94	0.68	-0.265	0.001604634	0.004370799
ENSUMST00000129687.0	Ramp2	chr11	-	67	101248071	chr11:101247911-101248250	17.76	23.99	0.43	17.76	23.99	0.43	17.76	45.96	18.44	0.71	44.42	13.73	0.76	0.47	-0.265	0.008786908	0.028926335
ENSUMST0000008868.10	Myb1	chr1	-	97.4	9669793	chr1:9667415-9670012	31.16	25.54	0.51	31.16	25.54	0.51	31.16	11.91	0.51	23.83	1.51	0.61	0.54	0.845	-0.265	0.01375662	0.004246212
ENSUMST0000000804.6	Ddx3x	chrX	-	81627.4	13291788	chrX:13291415-1329452	142.44	1696.4	0.46	1437.87	1496	0.46	2216.9	824.02	0.73	2319.67	954.61	0.71	0.46	0.72	-0.265	3.30E-09	7.98E-07
ENSUMST00000029955.5	Ed3a	chr19	-	124356.6	60761922	chr19:60761922-60762204	597.46	1466	0.31	1466	1380.34	0.31	1380.34	1215.49	0.53	1380.34	1215.49	0.53	0.295	0.655	-0.265	1.70E-11	1.95E-09
ENSUMST00000029385.8	Serp1	chr3	-	29542.9	58523625	chr3:58519817-58523888	92.58	1194.95	0.07	231.03	1178.79	0.07	429.28	231.03	0.27	216.64	490.92	0.31	0.07	0.33	-0.265	8.94E-47	4.97E-45
ENSUMST00000173246.7	Janf2	chr10	-	13902.9	44920211	chr13:44919800-44924643	444.9	363.72	0.55	520.95	393.66	0.57	683.24	104.48	0.87	578.59	168.88	0.77	0.56	0.82	-0.265	1.30E-30	4.04E-29
ENSUMST00000046976.9	Lss	chr10	-	5313.4	76553961	chr10:76552907-76555740	78.94	689.8	0.11	165.81	764.3	0.11	165.81	156.78	0.37	277.62	268.64	0.37	0.11	0.26	-0.265	2.39E-27	6.75E-26
ENSUMST0000002334.14	Nectn3	chr6	-	5593.3	46448193	chr16:46447189-46448658	171.47	476.34	0.23	420.67	465.4	0.23	420.67	405.4	0.51	356.23	353.75	0.5	0.245	0.26	-0.265	4.55E-24	1.10E-22
ENSUMST0000014577.7	Vma21	chrX	-	1595.4	71821006	chrX:71820055-71824706	19.14	419.05	0.14	206.11	508.84	0.05	91.17	217.13	0.3	81.64	184.17	0.31	0.045	0.26	-0.265	2.84E-22	6.38E-21
ENSUMST00000021459.1	Mark3	chr2	-	2593.7	11655790	chr12:11655707-11655760	181.8	302.83	0.38	265.01	273.65	0.43	374.38	194.83	0.66	376.31	186.39	0.67	0.405	0.665	-0.265	1.73E-17	2.96E-16
ENSUMST00000009892.4	Jpht1	chr1	-	1594.7	16969624	chr1:16969624-16970559	40.3	112.75	0.45	40.3	112.75	0.45	40.3	192.44	0.76	192.44	40.3	0.76	0.76	0.76	-0.265	2.14E-15	3.24E-14
ENSUMST00000109930.2	Asc2	chr11	-	9005.5	468332	chr11:4682907-4685699	74.43	129.98	0.23	134.81	287.95	0.2	134.81	174	0.44	150.51	142.68	0.51	0.215	0.215	-0.265	2.42E-12	2.82E-11
ENSUMST00000162819.7	Wr26	chr1	-	3624.1	81175856	chr1:81173228-81177831	17.13	159.2	0.55	79.68	141.92	0.48	298.97	112.85	0.73	306.16	89.8	0.77	0.47	0.75	-0.265	4.22E-12	4.92E-11
ENSUMST0000026219.1	Pknox1	chr1	-	286	16936261	chr10:16935977-16936263	122.46	55.35	0.7	122.46	55.35	0.7	122.46	47.8	0.67	122.46	47.8	0.67	0.94	0.94	-0.265	1.02E-11	1.02E-11
ENSUMST0000004898.4	Cory11	chr1	-	403.4	64724132	chr1:64723252-64725040	107.25	57.29	0.25	113.44	32.85	0.25	178	148.26	0	1	130.12	61.81	0.95	0.715	-0.265	2.11E-11	2.32E-10
ENSUMST00000114976.8	Luo71	chr17	-	847.3	26281922	chr17:26281625-26285504	63.29	216.75	0.63	63.29	166.69	0.28	140.12	117.96	0.54	133.9	142.7	0.49	0.255	0.515	-0.265	4.02E-10	4.01E-09
ENSUMST0000000556.10	Boc11	chr5	-	2205.4	41786660	chr5:41787538-41788949	110.8	177.92	0.38	134.39	149.89	0.47	181.59	94.51	0.66	177.13	68.86	0.71	0.425	0.685	-0.265	1.94E-09	1.83E-08
ENSUMST0000000396.11	Chp1	chr1	-	1569.3	123579292	chr1:123579292-123579502	87.97	157	0.62	87.97	157	0.62	87.97	157	0.62	87.97	157	0.62	0.61	0.61	-0.265	1.48E-09	1.48E-09
ENSUMST00000106950.7	Xncd1	chr7	-	1408.9	10208213	chr7:10208204-102083762	114.26	106.7	0.6	114.26	70.47	0.6	115.02	9.22	0.92	163.45	38.89	0.81	0.605	0.865	-0.265	9.32E-09	8.24E-08
ENSUMST00000115435.58	Caak	chrX	-	86.1	13521997	chrX:13521782-13522347	65.72	27.94	0.7	76.73	21.17	0.7	98.87	0	1	96.87	0	1	0.74	0.74	-0.265	2.26E-08	1.91E-07
ENSUMST00000086148.11	Tboel1	chr1	-	518.8	42415876	chr1:42415876-42416148	89.11	23.2	0.4	89.11	23.2	0.4	89.11	23.2	0.4	89.11	23.2	0.4	0.4	0.4	-0.265	1.48E-08	1.48E-08
ENSUMST00000073201.5	Zfp958	chr8	-	229.2	4628399	chr8:4628166-4629380	106.48	106.48	0.62	106.48	106.48	0.62	106.48	7.53	0.93	122.6	11.09	0.92	0.675	0.925	-0.265	5.05E-08	4.11E-07
ENSUMST00000174586.7	Ptp3	chr4	-	1549.2	59476410	chr4:59472048-59477015	112.49	109	0.51	112.49	109	0.51	112.49	15.82	0.29	142.28	53.82	0.73	0.555	0.815	-0.265	7.17E-08	5.75E-07
ENSUMST000000151688.7	Mglt1	chr4	-	1512.1	105971278	chrX:105968064-105971479	73.45	86.3	0.68	96.3	176.79	0.68	176.79	88.14	0.57	151.72	72.92	0.67	0.475	0.735	-0.265	8.71E-08	6.84E-07
ENSUMST00000003669.9	Warp5	chr16	-	2923.0	32866054	chr16:32866053-32866420	148.87	148.87	0.24	148.87	148.87	0.24	148.87	148.87	0.24	148.87	148.87	0.24	0.24	0.24	-0.265	6.80E-07	6.80E-07
ENSUMST00000106567.1	Pmr8	chr3	-	805.5	110248686	chr3:110248549-110250015	53.98	155.46	0.15	53.98	104.15	0.36	107.18	70.62	0.6	126.69	106.08	0.54	0.31	0.57	-0.265	1.96E-07	1.23E-06
ENSUMST000000090291.2	Imr2	chr8	-	2098	3153304	chr8:3150922-3156023	80.89	89.89	0.45	106.52	61.93	0.45	106.52	34.22	0.83	139.92	41.86	0.77	0.54	0.8	-0.265	1.78E-07	1.34E-06
ENSUMST00000002962.0	Asc2	chr11	-	869.7	16936261	chr11:16936261-16936917	112.75	115.63	0.63	115.63	115.63	0.63	115.63	115.63	0.63	115.63	115.63	0.63	0.63	0.63	-0.265	1.96E-07	1.34E-06
ENSUMST00000107337.7	The1	chr4	-	297.7	12758122	chr4:12751580-127518417	39.98	142.53	0.26	142.53	142.53	0.26	108.57	97.94	0.53	115.81	107.2	0.52	0.265	0.525	-0.265	2.43E-07	1.83E-06
ENSUMST00000102819.5	Ramp17	chr1	-	361.5	33212358	chr11:33211795-33213498	27.63	123.37	0.18	27.63	137.26	0.17	75.7	77.8	0.49	66.84	107.61	0.38	0.175	0.435	-0.265	4.67E-07	3.39E-06
ENSUMST00000027058.1																							

ENSMUST00000119991.7	Stard4	chr18	-	2936.2	33203614	chr18:33203614-33203815	469.85	184.92	0.72	369.89	221	0.63	174.17	11.47	0.70	177.47	16.67	0.91	0.675	0.925	-0.25	1.37E-13	1.07E-10		
ENSMUST0000030400.13	Mycbp	chr4	+	3559.8	123911294	chr4:123911294-12391289	96.61	117.38	0.24	208.68	221	0.28	212.03	230.3	0.48	238.65	205.87	0.54	0.26	0.26	0.26	-0.25	2.73E-13	3.54E-12	
ENSMUST0000017610.9	Temp2	chr11	-	594	118303631	chr11:118303631-11830396	15.06	29.8	0.06	31.05	272.02	0.13	53.05	125.72	0.31	53.05	125.72	0.31	0.35	0.35	0.35	-0.25	3.77E-13	4.82E-12	
ENSMUST00000115373.7	Atrx	chrX	+	3458.3	105800255	chrX:105797615-105800456	16.82	57	0.23	235.81	0.6	28.82	0.91	26.7	0.9	26.7	0.9	0.8	0.76	0.585	0.855	-0.25	9.87E-13	1.21E-11	
ENSMUST000002027837.12	Vangl2	chr1	+	2830	172004861	chr1:172004860-172004862	155.74	155.3	0.28	168.1	263.56	0.59	251.09	154.85	0.62	221.06	117.21	0.65	0.385	0.635	0.635	-0.25	1.54E-12	1.87E-11	
ENSMUST000000069797.5	Sgnl1	chr3	+	4130.7	91148207	chr3:511488625-11252546	160.38	160.37	0.45	149.57	207.7	0.42	274.83	197.57	0.66	296.09	120.45	0.71	0.435	0.685	0.685	-0.25	1.64E-12	2.34E-11	
ENSMUST00000005004.7	Usp46	chr9	+	1227.8	97207682	chr9:97207682-97207683	142.82	142.82	0.72	142.82	142.82	0.72	142.82	142.82	0.72	142.82	142.82	0.72	0.14	0.14	0.14	0.14	-0.25	2.84E-11	9.35E-11
ENSMUST0000005143.13	Bcor	chrX	+	2415.8	12037464	chrX:12036740-12037917	74.74	246.79	0.24	268.83	0.1	74.74	246.79	0.24	268.83	0.1	74.74	246.79	0.24	0.55	0.55	-0.25	5.83E-12	6.68E-11	
ENSMUST00000155567.6	Ubr4a	chrX	+	3068.7	74367385	chrX:74367385-74367586	30.73	30.73	0.11	39.2	246.82	0.14	173.63	112.43	0.39	79.25	149.01	0.36	0.125	0.125	0.125	-0.25	5.73E-11	6.05E-10	
ENSMUST00000171698.7	C33orf702PDRK	chr18	+	3243.8	164601337	chr18:164601337-164601338	26.26	26.26	0.06	144.82	26.26	0.06	144.82	26.26	0.06	144.82	26.26	0.06	0.1	0.1	0.1	0.1	-0.25	1.45E-10	1.45E-10
ENSMUST00000308498.9	Bq4g	chr8	+	626.8	25767321	chr8:25764538-25767623	67.41	67.41	0.22	65.94	196.66	0.25	140.87	149.88	0.48	152.32	160.31	0.49	0.235	0.485	0.485	-0.25	2.47E-10	2.49E-07	
ENSMUST00000004982.15	Thg2	chr9	+	2537.1	96318880	chr9:96317788-96323646	248.83	248.83	0.22	143.61	133.16	0.26	157.88	162.66	0.49	166.2	177.11	0.48	0.235	0.485	0.485	-0.25	1.31E-08	1.14E-07	
ENSMUST00000152964.14	Albhl1	chr1	+	430.6	871428208	chr1:871428208-871428210	20.85	20.85	0.14	137.1	121.96	0.14	137.1	121.96	0.14	137.1	121.96	0.14	0.1	0.1	0.1	0.1	-0.25	2.32E-07	1.74E-06
ENSMUST00000209490.1	Slic10a7	chr8	+	224.5	78731874	chr8:78731609-78734003	48.12	12.2	0.08	52.68	22.87	0.1	68.84	0	1	61.84	0	1	0.75	0.5	0.5	-0.25	4.87E-06	3.11E-05	
ENSMUST00000143203.7	Stbp4	chr11	-	289.9	90480486	chr11:90478492-90480714	9.87	9.87	0.09	12.64	108.57	0.1	44.57	97.78	0.31	45.31	73.14	0.38	0.095	0.345	0.345	-0.25	5.73E-06	3.62E-05	
ENSMUST00000176667.7	Lrch4	chr5	+	183.6	137649966	chr5:137640765-137641099	57.08	57.08	0.23	45.98	38.52	0.54	87.86	7.25	0.92	96.09	20.84	0.82	0.62	0.62	0.62	-0.25	0.000102028	0.000519236	
ENSMUST00000002123.10	Esrp2	chr2	+	363.8	49560315	chr2:49560315-49561948	27.75	27.75	0.34	79.69	26.02	0.25	72.74	47.86	0.6	68.38	70.18	0.49	0.295	0.495	0.495	-0.25	0.000226991	0.000818922	
ENSMUST0000030462.6	Diel	chr1	+	128.2	111863310	chr1:111858706-111863440	47.05	25.2	0.07	51.68	46.92	0.1	44.1	46.92	0.1	44.1	46.92	0.1	0.78	0.95	0.95	-0.25	0.000262691	0.001250954	
ENSMUST00000009120.16	Art15	chr13	+	254	114156094	chr13:114154704-114157461	40.02	40.02	0.53	31.62	31.62	0.58	80.67	19.4	0.81	77.34	19.11	0.8	0.555	0.805	0.805	-0.25	0.00043866	0.002001322	
ENSMUST0000000895914.3	Fam151b	chr16	+	269.8	423180174	chr16:42315514-42318531	53.71	44.95	0.55	54.15	42.2	0.56	53.16	5.82	0.93	63.23	39.55	0.68	0.555	0.805	0.805	-0.25	0.000470456	0.002132359	
ENSMUST00000114634.2	Boc	chr16	+	22.8	44485589	chr16:44485049-44485799	24.62	10.9	0.79	29.9	47.29	0.1	37.13	0.64	0.98	0.74	0.98	0.74	0.99	0.99	0.99	-0.25	0.000516237	0.002316167	
ENSMUST000000099139.8	Rbms2	chr10	+	495.9	128133166	chr10:128133158-128133367	41.98	39.28	0.52	36.18	45.92	0.44	67.28	19.5	0.78	71.91	37.39	0.88	0.48	0.73	0.73	-0.25	0.00198598	0.00457749	
ENSMUST0000000433714.8	Ppp1r14c	chr10	+	135.5	34640560	chr10:3463398-3464975	23.7	23.7	0.75	20.7	20.7	0.59	65.05	8.06	0.89	54.92	2.74	0.95	0.67	0.67	0.67	-0.25	0.001416315	0.005756046	
ENSMUST00000008858.13	Usp46	chr5	+	999	74000082	chr5:739598728-74002137	14.11	61.31	0.63	56.53	0.22	29	32.91	0.46	28.1	33.9	0.43	0.195	0.445	0.445	0.445	-0.25	0.000294844	0.010951736	
ENSMUST00000187584.6	Tns1	chr1	+	190	73915950	chr1:73910232-73914674	13.52	13.52	0.29	11.44	42.46	0.21	26.37	23.34	0.53	29.72	34.03	0.47	0.25	0.25	0.25	-0.25	0.000914344	0.02949461	
ENSMUST00000169736.7	Tns1	chr1	+	190	73913950	chr1:73910231-73914674	13.52	13.52	0.29	11.44	42.46	0.21	26.37	23.34	0.53	29.72	34.03	0.47	0.25	0.25	0.25	-0.25	0.000914344	0.02949461	
ENSMUST00000004472.10	Cdr19	chr10	+	112.9	40492069	chr10:40479675-40493918	19.6	19.6	0.4	15.73	19.6	0.6	32.03	9.44	0.77	33.01	9.44	0.65	0.83	0.83	0.83	-0.25	0.029355096	0.10010492	
ENSMUST000000058714.9	Cd24a	chr10	+	16756.6	43583480	chr10:43582604-43584265	770.89	871.41	0.57	874.01	574.73	0.15	1143.22	206.55	0.85	1046.52	244.41	0.81	0.585	0.585	0.585	-0.25	4.02E-45	2.07E-43	
ENSMUST00000160013.7	Gng2	chr14	+	812.7	19875558	chr14:19875269-19875935	36.98	36.98	0.05	53.25	940.84	0.05	190.41	409.65	0.32	174.19	481.02	0.27	0.05	0.295	0.295	-0.25	1.71E-40	7.54E-39	
ENSMUST00000111162.8	Bcl9	chr10	+	674.2	19874987	chr10:19874987-19874987	29.11	29.11	0.05	69.43	29.11	0.05	69.43	29.11	0.05	69.43	29.11	0.05	0.25	0.25	0.25	0.25	-0.25	1.37E-25	6.30E-25
ENSMUST00000105442.2	Sirt1	chr10	+	3695	63320581	chr10:63319058-63320964	236.58	136.02	0.63	255.04	126.7	0.67	502.45	78.67	0.68	496.64	37.66	0.93	0.68	0.895	0.895	-0.25	7.34E-20	1.44E-18	
ENSMUST00000091829.3	Larp4b	chr10	+	2439.4	9171008	chr13:9170852-9174451	245.55	109.46	0.69	244.72	102.43	0.7	328.88	17.02	0.95	331.91	25.37	0.63	0.695	0.695	0.695	-0.25	1.44E-17	1.44E-18	
ENSMUST00000188211.7	Larp4b	chr13	+	2507.2	9171090	chr13:9170852-9173988	242.52	112.35	0.68	239.16	107.66	0.69	320.06	25.88	0.93	331.25	26.02	0.93	0.685	0.685	0.685	-0.25	1.10E-16	1.80E-15	
ENSMUST000001093107.8	Esp1	chr12	+	271.2	11333222	chr12:11333205-11333478	24.81	24.81	0.08	24.81	1333222	0.08	24.81	1333222	0.08	24.81	1333222	0.08	0.1	0.1	0.1	0.1	-0.25	6.42E-16	6.42E-16
ENSMUST00000128071.8	Faf2	chr13	+	3310.6	54661125	chr13:54660954-54664063	94.68	37.86	0.62	101.6	352.37	0.22	241.39	30.6	0.4	235.3	263.99	0.47	0.21	0.455	0.455	-0.25	3.77E-16	5.9E-15	
ENSMUST0000015281.7	Mar3	chr12	+	257.1	111655800	chr12:111655701-111656218	170.81	309.34	0.36	196.26	283.67	0.4	354.57	213.43	0.62	355.92	205.21	0.63	0.38	0.625	0.625	-0.25	7.64E-16	1.19E-14	
ENSMUST00000142270.7	Usp2	chr11	+	4520	67017468	chr11:67017468-67017468	21.4	21.4	0.05	16.8	16.8	0.05	16.8	16.8	0.05	16.8	16.8	0.05	0.1	0.1	0.1	0.1	-0.25	3.26E-13	3.26E-13
ENSMUST0000011058.8	Pdxc	chr2	+	1358.4	103021888	chr2:103021075-10302269	28.14	28.14	0.26	19.35	265.55	0.09	91.3	165.58	0.33	91.3	165.58	0.33	0.095	0.245	0.245	-0.25	2.38E-12	2.84E-11	
ENSMUST00000009211.2	Wac	chr18	+	1839.8	792688	chr18:7926200-7927519	61.78	78.81	0.28	70.85	276.49	0.19	165.82	202.23	0.45	143.13	204.21	0.42	0.19	0.435	0.435	-0.25	4.59E-12	5.33E-11	
ENSMUST000000030188.11	Cam2	chr16	+	1386.5	127128561	chr16:127128561-127130487	81.45	40.19	0.69	81.45	30.95	0.72	171.49	0	1	179.74	20.05	0.9	0.705	0.95	0.95	-0.25	2.86E-12	2.86E-12	
ENSMUST000000022515.6	Tm6d	chr16	+	2748.4	8054298	chr16:80539049-80543267	120.18	120.18	0.61	139.42	139.42	0.61	139.42	139.42	0.61	139.42	139.42	0.61	0.25	0.25	0.25	0.25	-0.25	4.06E-07	4.06E-07
ENSMUST000000050101.8	Zfp322a	chr14	+	972.5	23355299	chr14:233553103-23357713	94.43	113.87	0.45	94.4	124.22	0.43	132.19	55.24	0.71	124.29	64.53	0.66	0.44	0.685	0.685	-0.25	1.94E-06	8.20E-06	
ENSMUST00000004307.12	Tmem245	chr4	+	693.4	56979204	chr4:56969923-56980292	66.32	66.32	0.1	96.05	16.57	0.77	88.0	1	1	72.14	2.75	0.96	0.735	0.96	0.96	-0.25	1.34E-06	9.18E-06	
ENSMUST00000008899.5	Mx2	chr10	+	422.3	12705130	chr10:12705130-127056911	94.33	129.03	0.13	129.03	129.03	0.13	129.03	129.03	0.13	129.03	129.03	0.13	0.1	0.1	0.1	0.1	-0.25	1.96E-06	1.96E-06
ENSMUST000000078903.11	Atg13	chr2	+	274.7	191675853	chr2:1916746																			

ENSMUST0000129820.7	Lam11	chr11	-	296.9	45933619	chr11:45928289-4594023	18.65	200	0.09	48.47	100.85	0.32	55.48	113.48	0.33	0.09	0.325	-0.235	5.91E-09	5.33E-08			
ENSMUST0000200208.4	Aspm	chr1	+	1222.1	139493849	chr1:139493848-139494088	154.42	123.51	0.56	140.6	128.81	0.52	224.96	46.07	0.83	175.5	68.6	0.72	0.54	0.775	-0.235	6.75E-09	6.05E-08
ENSMUST000019801.11	Talp	chr1	+	553.1	141883538	chr7:141883538-141884581	124.1	37.02	0.51	135.52	141.57	0.52	141.57	1.22	0.99	172.31	2.3	0.88	0.17	0.935	-0.235	1.86E-08	1.43E-07
ENSMUST000020699.14	Mkn1	chr8	+	188.5	31507930	chr8:31507925-31516811	9.51	139.98	0.06	10.38	200.08	0.05	38.07	74.47	0.34	35.67	111.59	0.24	0.055	0.29	-0.235	2.1E-08	1.87E-07
ENSMUST0000166615.15	Wnr2	chr8	+	688.5	107557125	chr8:107556887-107558905	48.03	20.29	0.19	46.98	231.29	0.17	81.7	124.18	0.4	86.56	114.08	0.43	0.18	0.81	-0.235	2.94E-08	2.44E-07
ENSMUST0000035043.11	Armc2	chr9	+	607.6	96480335	chr9:9647832-96489777	24.03	190.47	0.11	22	211.89	0.17	105.35	105.53	0.34	55.47	115	0.33	0.1	0.335	-0.235	3.71E-08	3.04E-07
ENSMUST000002085.14	Pcynt1	chr9	+	3207.7	1921128	chr9:8633869-8633919	89.14	39.71	0.39	135.56	190.93	0.39	190.93	0.39	0.39	157.47	61.67	0.39	0.35	0.767	-0.235	6.78E-07	5.68E-06
ENSMUST0000114512.7	Gis2	chr4	+	2637.4	52166100	chr1:52165941-52166314	57.04	176.3	0.76	569.54	166.58	0.7	1	0	1	60.89	0	1	0.765	0.5	-0.235	1.24E-07	9.63E-07
ENSMUST0000004933.4	Usp4	chr4	+	889.4	106439382	chr4:106438771-106441322	73.84	143.54	0.34	106.38	138.89	0.38	74.91	81.57	0.64	133.35	109.8	0.55	0.36	0.595	-0.235	3.89E-07	2.64E-06
ENSMUST0000201115.15	Mbp7	chr4	+	569.6	20280296	chr2:20279996-20281522	49.12	38.95	0.44	40.17	146.12	0.47	146.12	0.47	0.47	146.12	0.47	0.47	0.47	0.47	-0.235	6.43E-07	5.91E-06
ENSMUST0000116259.4	Map7	chr4	+	601	20280292	chr2:20279996-20281590	82.99	92.99	0.64	100.58	49.32	0.67	142.45	0	1	107.31	30	0.78	0.655	0.89	-0.235	3.06E-06	2.00E-05
ENSMUST0000040429.11	Usp45	chr4	+	697.7	21844468	chr4:21834235-21837872	64.25	66.79	0.48	107.7	69.99	0.48	107.7	52.32	0.67	114.79	34.77	0.77	0.485	0.72	-0.235	5.87E-05	0.00031547
ENSMUST000007027.9	Cnr1	chr4	+	402.1	34787819	chr4:34778117-34782318	40.91	30.71	0.41	39.71	40.91	0.41	39.71	40.91	0.41	122.32	61.77	0.52	0.595	0.47	-0.235	0.00232587	0.00012372
ENSMUST000011967.7	Vsig10	chr5	+	432.6	117353023	chr5:117352751-117355005	53.34	38.94	0.58	60.2	41.54	0.59	80.96	7.95	0.91	66.29	24.16	0.73	0.585	0.82	-0.235	0.00069528	0.00325271
ENSMUST0000063502.12	Dclre1b	chr5	+	172.4	103280274	chr3:103800605-103804055	17.51	12.41	0.12	16.21	59.12	0.14	54.24	0.4	0.4	45.99	53.78	0.46	0.195	0.25	-0.235	0.00088957	0.003779605
ENSMUST0000139986.7	Nud3	chr8	+	238.2	25714448	chr8:25714159-25714070	48.88	48.72	0.39	40.43	86.44	0.32	48.03	42.9	0.53	54.76	30.05	0.65	0.355	0.59	-0.235	0.001186194	0.00407896
ENSMUST0000110647.7	Tp53bp1	chr2	+	2336.7	121195409	chr2:121194838-121196735	31.03	35.54	0.58	35.54	12.85	0.73	85.06	6.16	0.93	81.86	14.25	0.85	0.665	0.235	-0.235	0.003952683	0.00531248
ENSMUST0000006912.11	Pip4k2a	chr2	+	212.9	18843398	chr2:18842255-18844460	22.65	44.23	0.29	39.96	39.96	0.29	39.96	29.72	0.57	40.32	36.67	0.52	0.31	0.545	-0.235	0.00444556	0.015884943
ENSMUST0000001106.5	Gpalc2l1	chr12	+	242.9	86289124	chr12:86288800-86290781	34.17	27.98	0.55	32.46	34.17	0.49	59.41	21.97	0.73	60.34	16.66	0.78	0.52	0.755	-0.235	0.004831596	0.018467667
ENSMUST0000202973.11	Mindy2	chr9	+	110	70030268	chr9:70598914-70052899	22.14	25.39	0.47	22.14	25.39	0.48	32.84	10.87	0.75	27.54	15.87	0.82	0.475	0.71	-0.235	0.023995491	0.02417444
ENSMUST0000047186.9	Wip1	chr11	+	147.5	10957944	chr11:10957152-10957157	22.86	44.38	0.25	32.46	51.76	0.27	30.55	22.57	0.58	30.48	30.58	0.5	0.305	0.54	-0.235	0.010743625	0.034290403
ENSMUST00000021331.8	Kln2b	chr12	+	55.2	6494384	chr12:6494342-64943613	31.05	30.43	0.48	31.05	22.28	0.59	36.32	14.24	0.72	25.78	7.8	0.82	0.535	0.55	-0.235	0.022450992	0.0646117
ENSMUST00000028465.11	Spz2a	chr7	+	13402.7	99839862	chr7:99839428-99839863	836.83	243.7	0.77	919.81	348	0.73	1335.91	61.3	0.96	1240.05	13.87	0.67	0.35	0.98	-0.235	0.022450992	0.0646117
ENSMUST0000166223.1	Slc38a4	chr5	+	6182.8	9696862	chr5:9696765-96969791	715.95	218.77	0.55	821.98	238.75	0.57	821.98	1	1	686.97	0	1	0.77	0.23	-0.235	1.15E-62	4.37E-60
ENSMUST00000027579.16	Acr3	chr1	+	11443.8	125393261	chr1:125392905-125394090	280.27	631.06	0.31	286.59	741.1	0.28	241.51	511.85	0.51	566.27	491.74	0.54	0.295	0.525	-0.235	9.17E-27	2.52E-25
ENSMUST0000002692.5	Lam1	chr1	+	9985.5	32305916	chr1:32305916-32307308	101.86	192.97	0.14	468.63	652.32	0.14	468.63	265.99	0.37	451.82	0.37	0.14	0.27	0.14	-0.235	2.41E-25	6.20E-24
ENSMUST0000021381.5	Pnn	chr12	+	27011.9	59072910	chr12:59071426-59073998	127.75	595.45	0.19	372.98	622.08	0.19	372.98	509.44	0.42	390.37	496.94	0.41	0.185	0.245	-0.235	1.08E-24	2.72E-23
ENSMUST0000168249.8	Pknox1	chr3	+	9531	31050468	chr3:31050190-31052959	426.31	249.49	0.63	454.29	183.28	0.71	560.91	60.41	0.9	578.06	68.83	0.9	0.67	0.7	-0.235	3.14E-24	7.69E-23
ENSMUST0000082030.9	Mbp2	chr7	+	2347.8	89180789	chr7:8917468-89182378	234.78	209.78	0.87	234.78	209.78	0.87	234.78	209.78	0.87	234.78	209.78	0.87	0.25	0.25	-0.235	5.58E-23	5.58E-23
ENSMUST0000028392.7	Dnajc10	chr2	+	7280.3	80353304	chr2:80352859-80354043	243.64	576.87	0.3	286.13	615.68	0.32	413.96	288.11	0.59	297.35	304.03	0.43	0.37	0.54	-0.235	1.44E-20	2.94E-19
ENSMUST0000182228.7	Pp1a1f	chr7	+	614	144477788	chr7:144476978-144477889	216.58	53.98	0.8	205.71	71.74	0.7	236.92	0	1	236.92	0	1	0.71	-0.235	1.84E-19	3.51E-18	
ENSMUST0000020107.7	Atp2b1	chr10	+	1116.5	96023344	chr10:96022898-96026143	89.43	445.36	0.17	103.11	487.01	0.17	252.15	384.87	0.41	215.65	337.65	0.39	0.17	0.23	-0.235	5.54E-18	9.81E-17
ENSMUST0000009440.6	Rna2	chr14	+	6962.4	111404785	chr14:111404672-111404922	141.76	694.82	0.26	141.76	694.82	0.26	141.76	694.82	0.26	141.76	694.82	0.26	0.26	0.26	-0.235	0.40471285	0.40471285
ENSMUST0000057893.6	Fzd2	chr13	+	13180.1	102066475	chr13:102064783-102068058	62.18	400.34	0.15	177.83	457.63	0.15	177.83	297.05	0.37	153.88	265.67	0.37	0.14	0.23	-0.235	3.24E-16	5.31E-15
ENSMUST0000007482.6	Mpr49	chr19	+	4890	6054781	chr19:6053712-6054982	329.16	389.56	0.46	339.43	441.78	0.43	345.72	143.6	0.71	326.35	185.22	0.64	0.445	0.675	-0.235	4.00E-15	5.98E-14
ENSMUST00002079131.1	C4orf60/HRK	chr17	+	1271	715209139	chr17:715209139-71521885	92.06	184.81	0.17	92.06	184.81	0.17	92.06	184.81	0.17	92.06	184.81	0.17	0.17	0.17	-0.235	4.26E-15	9.81E-10
ENSMUST0000075657.7	Ap3a2	chr7	+	1496.8	7987991	chr7:79875328-79880112	61.68	256.17	0.18	60.38	298.09	0.17	110.93	173.88	0.37	117.6	156.48	0.43	0.18	-0.235	2.30E-15	2.33E-09	
ENSMUST0000112686.7	Mcr1	chr6	+	1748.4	120767330	chr6:120767330-120771190	88.79	233.65	0.28	185.62	251.43	0.28	185.62	172.12	0.52	184.63	186.07	0.5	0.28	0.15	-0.235	4.58E-09	4.58E-09
ENSMUST0000001287.10	Ccn2	chr3	+	833.3	32577552	chr3:32577063-32579239	23.99	183.06	0.11	23.99	183.06	0.11	23.99	183.06	0.11	73.64	132.46	0.38	0.13	0.23	-0.235	2.95E-09	1.94E-08
ENSMUST000000121083.7	Tcra1	chr1	+	843.1	7087122	chr1:70871122-70871323	86.04	86.04	0.7	86.04	86.04	0.7	86.04	86.04	0.7	86.04	86.04	0.7	0.7	0.86	-0.235	0.25E-07	0.35E-07
ENSMUST00000101075.10	Utr1	chr10	+	316.6	62314339	chr11:62314010-62315246	91.47	103.89	0.6	103.89	34.01	0.15	139.45	17.71	0.89	115.51	9.74	0.92	0.675	0.905	-0.235	7.64E-07	4.82E-06
ENSMUST000010299.9	Utr9	chr4	+	609.9	25250396	chr4:25248605-25250688	27.98	162.09	0.15	26.96	165.37	0.15	165.36	96.81	0.41	108.1	107.65	0.35	0.15	0.38	-0.235	7.86E-07	5.41E-06
ENSMUST0000007429.9	Mdm4	chr1	+	639.4	132991396	chr1:13298945-13299225	92.06	103.89	0.6	103.89	34.01	0.15	139.45	17.71	0.89	115.51	9.74	0.92	0.675	0.905	-0.235	7.64E-07	5.41E-06
ENSMUST0000102789.2	Zbtb26	chr2	+	89.4	37439545	chr2:37439518-37436999	42.01	66.32	0.65	46.87	60.01	0.65	66.87	0	1	65.48	0	1	0.77	0.1	-0.235	9.32E-06	5.74E-05
ENSMUST0000033333.12	Tmem6b	chr7	+	403.3	109736790	chr7:109735834-109736991	73.1	23.65	0.84	106.76	110.76	0.42	106.76	47.74	0.7	114.37	44.83	0.72	0.48	0.71	-0.235	1.50E-05	8.92E-05
ENSMUST0000108317.6	Utr10	chr4	+	403.3	109736790	chr7:109735834-109736991	73.1	23.65	0.84	106.76	110.76	0.42	106.76	47.74	0.7	114.37	44.83	0.72	0.48	0.71	-0.235	1.50E-05	8.92E-05
ENSMUST0000094583.5	Zfp120	chr2	+	37.1	150117470	chr2:150117156-15																	

ENSMUST0000108321.1	Hps3	chr3	-	221	19998828	chr3:19996167-19997029	110.37	51.17	0.68	124.94	42.72	0.75	122.29	18.76	0.87	126.45	0	1	0.715	0.935	-0.22	1.85E-06	0.095825	
ENSMUST000001759127	Ctag6f	chr2	+	1333.8	59189891	chr2:59189896-59190176	72.38	82.64	0.47	94.07	84.33	0.53	172.97	51	0.77	129.55	64.35	0.67	0.5	0.72	-0.22	9.50E-06	5.84E-05	
ENSMUST000002507176	Mbpaf	chr8	+	596.2	43961173	chr8:43961038-43973768	36.19	146.67	0.2	145.73	135.73	0.23	66.21	0.41	0.41	75.54	0.86	0.46	0.215	0.435	-0.21	1.40E-05	8.41E-05	
ENSMUST0000084892.11	Dpy194	chr4	+	501.167	11265934	chr4:11261315-11265942	72.19	35.6	0.67	78.1	25.9	0.73	98.08	2.47	0.88	83.88	13.78	0.86	0.7	0.92	-0.22	0.000117638	0.000502546	
ENSMUST0000089044.0	Bbx	chr6	+	526.7	90157223	chr6:50198616-50198746	75.04	0.4	0.49	45.94	17.59	0.59	54.59	31.65	0.75	95.61	61.23	0.61	0.48	0.88	-0.22	0.000013282	0.000173276	
ENSMUST0000076184.14	Zfp171	chrX	+	133.3	112634316	chrX:11263373-112635070	32.58	8.31	0.2	76.96	0.7	0.7	92.89	3.67	0.84	96.73	1.1	0.1	0.75	0.97	0	-0.22	0.000301566	0.00142437
ENSMUST0000002266.13	Lcwf2	chr6	+	448.8	69693913	chr6:44869343-69696834	65.26	13.3	0.48	87.56	65.26	0.56	87.56	65.26	0.74	74.44	23.24	0.76	0.74	0.76	0.24	-0.22	0.000147626	0.00147626
ENSMUST0000159394.7	Ev1	chr2	+	702.9	38866292	chr2:38865543-38868203	29.21	21.6	0.24	27.02	83.52	0.24	27.02	83.52	0.47	48.68	66.67	0.83	0.84	0.44	0.24	-0.22	0.000425465	0.001847808
ENSMUST0000117807.7	Raf10cs	chr2	+	308.9	32382326	chr2:32382029-3241140	24.17	95.71	0.2	24.01	70	0.26	62.95	64	0.45	52.43	65.37	0.45	0.23	0.45	-0.22	0.00064218	0.002811695	
ENSMUST0000115127.7	Np1	chr1	+	134.4	10291173	chr1:10291173-10295515	14.19	13.19	0.3	40.51	14.19	0.31	40.51	14.19	0.47	43.52	13.19	0.47	0.91	0.91	-0.22	0.000703908	0.000916661	
ENSMUST0000111624.7	Slc34a1	chr2	+	154.1	84863385	chr2:84862883-84863581	47.54	31.21	0.6	46.28	2.16	0.16	73.42	25.64	0.74	87.38	8.3	0.91	0.605	0.825	-0.22	0.000973022	0.004087859	
ENSMUST0000075637.10	Pnp3	chr4	+	403.5	57193090	chr4:57193041-57194362	14.93	37.33	0.16	48.26	86.95	0.17	32.47	48.85	0.41	30.56	53.77	0.36	0.1605	0.385	-0.22	0.001138606	0.004712429	
ENSMUST0000020887.12	Scn11	chr4	+	60.4	105203890	chr4:105203891-1052039184	46.16	27.83	0.6	46.27	18.6	0.27	68.27	18.6	0.27	68.27	18.6	0.27	0.55	0.825	-0.22	0.001343215	0.001343215	
ENSMUST0000033871.7	Slc25a15	chr8	+	164.3	22377458	chr8:22375551-22377781	36.15	49.77	0.22	22.51	50.17	0.71	65.07	11.87	0.85	58.16	22.11	0.72	0.565	0.785	-0.22	0.002171855	0.008375506	
ENSMUST0000085256.7	Mhfs	chr9	+	213.7	89240028	chr9:89239842-89240240	22.08	63.32	0.42	31.23	61.51	0.34	44.86	40.97	0.52	53.22	42.69	0.52	0.3	0.3	-0.22	0.002535935	0.009616778	
ENSMUST0000029562.10	Slc30a4	chr2	+	161.9	122684656	chr2:122681233-122683333	40.33	20.94	0.86	39.31	33.83	0.83	48.45	9.38	0.84	52.01	13.09	0.8	0.6	0.82	-0.22	0.006444887	0.022116167	
ENSMUST00001169897.1	Gent1	chr9	+	260.4	17328778	chr9:17328143-17330488	15.23	14.54	0.21	14.54	72.65	0.17	19.18	32.65	0.37	20.15	24.55	0.45	0.19	0.41	-0.22	0.000748392	0.023863691	
ENSMUST0000174236.7	Gent1	chr9	+	260.4	17328778	chr9:17326141-17330488	15.21	14.53	0.17	19.16	32.66	0.37	20.15	24.57	0.45	19.08	0.19	0.41	-0.22	0.007048392	0.023863691			
ENSMUST0000087867.5	Uprt	chrX	+	209.9	104506396	chrX:104508156-104507400	39.58	32.48	0.55	32.85	27.89	0.46	47.95	21.4	0.69	47.4	14.81	0.76	0.505	0.725	-0.22	0.008779498	0.028878738	
ENSMUST0000122637.6	Vpsd1	chr1	+	101	123242812	chr1:123242359-123243189	44.89	21.92	0.66	21.92	44.89	0.66	60.18	0	1	57.89	23.48	0.71	0.635	0.855	-0.22	0.009148782	0.029861443	
ENSMUST0000118279.1	Vpsd1	chr1	+	101	123242812	chr1:123242359-123243189	44.89	21.92	0.66	21.92	44.89	0.66	60.18	0	1	57.89	23.48	0.71	0.635	0.855	-0.22	0.009148782	0.029861443	
ENSMUST0000207628.1	Zfp787	chr7	-	123.7	6142418	chr7:6142286-6142619	30.04	30.25	0.5	29.8	48.58	0.38	44.49	23.91	0.65	34.82	17.04	0.67	0.44	0.68	-0.22	0.012248765	0.038480592	
ENSMUST0000042235.15	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03	16.1	0.72	62.01	16.1	0.72	62.01	16.1	0.72	0.54	0.85	-0.22	0.012927752	0.040312375	
ENSMUST0000021276.1	Adgr1	chr15	+	134	74589246	chr15:74589077-74589464	25.34	23.86	0.52	42.03														

ENSMUST0000031668.9	Col1a2	chr6	+	59.5	4540857	chr6:4540165-4541544	7.3	27.92	0.21	75.29	41.12	0.16	27.38	42.88	27.86	42.59	0.4	0.185	0.95	-0.21	0.018983707	0.056082633	
ENSMUST0000189314.8	Id1	chr13	+	42715.6	8890565	chr13:8890316-8892451	996.98	296.92	0.77	1066.72	306.55	0.78	963.24	33.54	0.97	914.53	11.81	0.99	0.775	-0.205	2.22E-31	8.12E-50	
ENSMUST0000186033.5	Ubr2b3	chr3	+	13546595.5	10346660	chr3:13545815-13546660	174.04	174.04	0.12	174.04	174.04	0.14	174.04	1312.16	0.35	689.29	140.83	0.32	0.14	-0.205	1.01E+47	5.77E+46	
ENSMUST000020578.10	Nudcd2	chr1	+	30178.8	40739428	chr1:40739159-40740046	864.41	666.73	0.56	912.44	717.35	0.58	1155.44	1.95	0.88	288.71	41.74	0.73	0.58	-0.205	1.42E-33	8.29E-32	
ENSMUST0000010778.1	Wp1c2	chr5	+	6003.2	142667062	chr5:142666880-142667487	316.59	513.07	0.29	151.28	493.93	0.42	478.81	0.44	0.68	446.28	338.88	0.58	0.405	-0.205	1.48E-16	2.40E-15	
ENSMUST0000089842.5	Sp2c4	chr9	+	18684.3	21756094	chr9:21756044-21756295	137.34	503.08	0.31	208.50	460.662	0.29	352.8	0.26	0.45	353.1	470.42	0.43	0.235	-0.205	2.99E-16	4.15E-15	
ENSMUST0000010559.1	T1fab	chr3	+	368399.1	10054392	chr3:10054349-10056000	389.14	389.14	0.12	389.14	389.14	0.12	389.14	256.19	0.62	141.72	120.42	0.62	0.8	-0.205	1.07E-16	1.08E-14	
ENSMUST0000080164.11	Fip11f1	chr5	+	3168	74596115	chr5:74595839-74597104	25.09	329.35	0.07	27.05	347.38	0.07	113.55	295.25	0.27	116.24	313.36	0.27	0.07	-0.205	4.44E-14	6.12E-13	
ENSMUST00000113536.7	Fip11f1	chr5	+	3168	74596115	chr5:74595839-74597104	25.09	329.35	0.07	27.05	347.38	0.07	113.55	295.25	0.28	116.24	313.36	0.27	0.07	-0.205	4.44E-14	6.12E-13	
ENSMUST0000020303.11	Agp2	chr2	+	6401.2	14631522	chr2:14631292-14633011	291.41	146.87	0.16	146.87	146.87	0.16	146.87	198.12	0.46	229.42	165.9	0.46	0.445	-0.205	4.44E-13	1.25E-11	
ENSMUST0000060576.7	Lpar4	chrX	+	2555.8	10693050	chrX:10693010-10693300	208.13	73.05	0.42	215.86	66.45	0.47	284.1	2.83	0.99	246.77	26.69	0.9	0.945	-0.205	4.88E-12	5.65E-11	
ENSMUST000003805.14	Psmid10	chrX	-	6858	140949031	chrX:140948429-140949309	106.47	39.05	0.24	90.42	34.41	0.21	191.0	250.48	0.43	201.79	271.77	0.43	0.225	-0.205	7.08E-11	7.03E-10	
ENSMUST0000020822.1	Sp3	chr3	+	3455.8	72398127	chr3:72398127-72398127	161.61	161.61	0.34	161.61	161.61	0.34	161.61	278.38	0.59	230.22	191.28	0.59	0.157	-0.205	1.04E-10	1.05E-09	
ENSMUST000007300.4	Fbcn30	chr10	+	1344.5	11295418	chr10:11295217-11295518	203.13	106.14	0.69	225.97	111.9	0.67	240.4	30.68	0.89	247.96	34.62	0.88	0.68	-0.205	1.19E-09	1.15E-08	
ENSMUST000004050.6	Mnd	chr10	+	4079.3	90277938	chr10:90276683-90277889	41.39	265.51	0.13	41.39	265.51	0.13	74.69	135.46	0.38	58.15	131.99	0.31	0.13	-0.205	6.82E-08	5.48E-07	
ENSMUST0000087485.3	Sc3oab7	chr3	+	377	115946196	chr3:115938973-115946711	20.34	190.56	0.11	21.31	242.53	0.11	20.34	46.92	0.57	113.94	92.49	0.3	0.09	-0.205	1.59E-07	1.23E-06	
ENSMUST000004695.6	Wp2	chr11	+	1220	1723215	chr11:17232170-17233786	161.61	161.61	0.6	161.61	161.61	0.6	161.61	159.29	0.68	228.43	83.93	0.73	0.64	-0.205	1.83E-07	1.25E-06	
ENSMUST0000017242.7	Golm4	chr3	+	1036.6	75878911	chr3:75878183-75878717	82.63	140.65	0.62	105.27	208.2	0.62	105.27	11.51	0.96	162.06	24.01	0.78	0.595	-0.205	4.86E-07	3.52E-06	
ENSMUST0000037607.10	Map3k7	chr4	+	2305.1	30202673	chr4:30219501-30202347	130.17	155.49	0.49	136.25	151.07	0.47	180.29	101.05	0.64	187.45	79.87	0.7	0.465	-0.205	1.09E-06	7.52E-06	
ENSMUST00000103067.2	Map3k7	chr4	+	2305.1	30202673	chr4:30219501-30202347	130.17	155.49	0.49	136.25	151.07	0.47	180.29	101.05	0.64	187.45	79.87	0.7	0.465	-0.205	1.09E-06	7.52E-06	
ENSMUST000020680.11	AI9B7944	chr7	+	158.2	9173331	chr7:41372923-41374044	60.87	89.27	0.76	93.36	22.34	0.74	10.7	1	0.795	1	1	0.795	-0.205	8.55E-06	5.29E-05		
ENSMUST0000020248.7	Tacp1	chr11	+	269.4	106073379	chr11:106073701-106073612	90.37	90.37	0.55	99.62	114.59	0.55	99.62	71.69	0.65	186.19	53.37	0.78	0.51	-0.205	9.94E-06	6.09E-05	
ENSMUST0000022691.8	1600012H6BRk	chr17	+	347.9	14944320	chr17:149435071-14945000	115.71	54.93	0.64	141.8	78.46	0.64	133.45	1	0.1	90.84	33.37	0.73	0.86	-0.205	1.29E-05	7.75E-05	
ENSMUST0000017400.4	1600012H6BRk	chr17	+	354	14944317	chr17:14943572-14944986	116.04	72.77	0.68	141.88	78.46	0.64	134.01	1	0.1	91.24	33.12	0.73	0.86	-0.205	1.31E-05	7.90E-05	
ENSMUST0000015484.3	Phf6	chrX	+	728.9	52954315	chrX:52953906-52955955	64.74	30.02	0.68	65.04	35.69	0.69	65.04	25.77	0.73	83.3	288.68	30.14	0.91	0.655	-0.205	4.43E-05	0.00014188
ENSMUST000001071207.7	Elav2	chrX	+	567.6	91252931	chrX:91252763-91252967	94.21	86.5	0.71	99.23	36.87	0.71	99.23	20.84	0.83	111.2	1	1	0.71	-0.205	4.28E-05	0.00023794	
ENSMUST0000017507.7	Gap5	chr4	+	1444.5	59189996	chr4:59189936-59192022	87.74	85.29	0.74	159.48	87.74	0.74	159.48	84.17	0.71	111.28	2	0.85	0.72	-0.205	8.02E-05	0.00046468	
ENSMUST00000199754.4	Gas2d2b	chr3	+	2085.7	90361512	chr3:90357869-90363407	63.61	63.61	0.93	63.61	63.61	0.93	63.61	81.74	0.76	111.84	77.26	0.59	0.39	-0.205	0.00018016	0.00063902	
ENSMUST00000063659.9	Whm	chr4	+	131.6	63415124	chr4:63414910-63415966	46.8	24.67	0.65	53.8	7.27	0.68	72.44	0	1	51.91	3.26	0.94	0.765	-0.205	0.000238708	0.001136341	
ENSMUST00000110671.21	Smf1f1	chr5	+	443.1	14871540	chr5:14871540-14871946	64.94	64.94	0.19	64.94	64.94	0.19	64.94	100.29	0.28	100.29	27.96	0.28	0.19	-0.205	0.000400027	0.00136317	
ENSMUST00000097432.9	Seac1	chr17	+	237.9	6043310	chr17:6042196-6043954	45.83	4.2	0.92	34.1	28.97	0.92	34.1	63.01	0.87	58.88	49.21	0.7	0.73	-0.205	0.001138456	0.004713072	
ENSMUST0000020986.14	Dnajc27	chr12	+	227.1	4107003	chr12:4106802-4110606	58.25	55.26	0.58	55.26	55.26	0.58	55.26	19.57	0.83	68.92	20.6	0.7	0.585	-0.205	0.001373888	0.005937363	
ENSMUST0000009579.13	Vps13d	chr4	+	133.6	144697488	chr4:144697262-144697528	8.35	68.18	0.11	8.55	74.84	0.11	28.19	50.37	0.38	22.48	63.95	0.26	0.105	-0.205	0.001630188	0.006524844	
ENSMUST0000008971.11	Smc4	chr5	+	117.0	166687109	chr5:166687109-166687109	44.48	44.48	0.68	44.48	44.48	0.68	44.48	79.03	0.65	79.03	26.1	0.65	0.68	-0.205	0.002227626	0.008704326	
ENSMUST00000165032.7	Srx24	chr18	+	303.6	53389904	chr18:53389817-53393028	49.28	25.86	0.76	57.85	17.96	0.73	56.75	9.97	0.68	68.78	6	0.92	0.72	-0.205	0.000974389	0.0008704326	
ENSMUST00000117102.3	Fzd10	chr5	+	353.3	128602810	chr5:128600844-128604093	50.5	29.3	0.63	58.66	20.49	0.67	54.73	52.13	0.57	89.9	49.35	0.27	0.89	-0.205	0.000930999	0.021957531	
ENSMUST00000105397.9	1810043GQ2Rk	chr10	+	134.3	77984730	chr10:77984419-77985434	47.27	27.07	0.39	47.27	33.64	0.62	60.49	30.67	0.57	73.57	0	1	0.89	-0.205	0.000873082	0.028727368	
ENSMUST000009574.33	Cdk19	chr10	+	73	40480187	chr10:40479675-40482145	35.33	34.3	0.18	31.3	18.19	0.19	38.53	5.16	0.78	38.15	0	1	0.735	-0.205	0.000904389	0.029498852	
ENSMUST0000001817.9	Her6	chr6	+	531.1	5766311	chr6:57662700-57666432	37.66	14.16	0.13	37.66	14.16	0.13	22.29	37.18	0.36	41.12	46.32	0.28	0.115	-0.205	0.015076385	0.002926962	
ENSMUST00000155047.1	Cpeb1	chr6	+	197.9	14944317	chr6:14944317-14944317	71.78	71.78	0.42	92.99	34.47	0.42	92.99	36.79	0.39	36.79	37.89	0.45	0.405	-0.205	0.000333026	0.000790326	
ENSMUST00000099355.11	Tmpo	chr10	+	34584.4	91144299	chr10:91144280-91149758	428.25	1062.88	0.28	435.39	1106.38	0.28	435.39	594.01	0.47	596.24	607.02	0.5	0.285	-0.205	7.82E-26	1.01E-24	
ENSMUST0000001964.15	Rfx2	chr1	+	2083.3	191471216	chr1:191471122-191471417	296.14	118.71	0.71	211.47	66.83	0.83	451.38	1	1	477.42	30.57	0.94	0.77	-0.205	2.92E-20	5.86E-19	
ENSMUST00000002312.12	Wdr1	chr14	+	214.1	91091	chr14:91091389-91092182	143.85	143.85	0.12	143.85	143.85	0.12	143.85	42.34	0.34	143.85	40.93	0.34	0.12	-0.205	0.00017616	0.00038171	
ENSMUST00000030128.5	Chmp5	chr4	+	6242.5	40964819	chr4:40964558-40965303	250.59	321.78	0.44	293.96	383.49	0.43	340.34	209.2	0.62	362.89	216.54	0.63	0.425	-0.205	2.29E-11	2.51E-10	
ENSMUST00000003965.8	Agtrp	chr4	+	5183.5	148908213	chr4:14897708-148980604	94.39	348.1	0.22	101.85	428.85	0.19	183.48	296.86	0.38	173.53	227.62	0.43	0.205	-0.205	6.67E-11	7.02E-10	
ENSMUST00000002087.11	Meis1	chr14	+	47680.1	41708880	chr14:41708880-41708880	147.44	147.44	0.64	147.44	147.44	0.64	147.44	147.44	0.64	147.44	147.44	0.64	0.64	-0.205	2.75E-10	3.80E-09	
ENSMUST00000029629.14	Plaz2g12a	chr3	+	3939.8	12899519	chr3:128984838-128995825	108.15	276.81	0.28	102.76	374.09	0.22	196.89	218.38	0.47	164.56	216.74	0.43	0.25	-0.205	2.56E-10	2.58E-09	
ENSMUST00000074144.10	Dcaf8	chr1	+	4667.9	172195333	chr1:172194556-172																	

ENSMUST0000029116.13	Pcmtd2	chr2	+	394.1	181856538	chr2:181856538-181857461	43.39	60.99	0.42	41.22	64.53	0.4	106.75	66.67	0.62	95.57	65.69	0.59	0.41	0.605	-0.195	0.001249951	0.005142305	
ENSMUST0000020272.71	Depcd1a	chr3	+	323.8	159529325	chr3:159529325-159529955	53.11	46.75	0.53	61.62	72.97	0.46	91.2	38.54	0.7	86.44	41.08	0.68	0.495	0.69	-0.195	0.001668361	0.00666015	
ENSMUST0000023774.11	Skr1a2	chr9	+	337.1	103038875	chr9:103038875-103039161	31.58	71.13	0.52	51.86	34.87	0.25	61.82	40.71	0.62	55.2	66.08	0.43	0.52	0.68	-0.195	0.002973941	0.01106206	
ENSMUST0000010195.13	Hyal1	chr9	+	163.2	10757935	chr9:10757935-10759078	48.08	25.78	0.77	2.02	9.97	0.47	54.24	60.97	0.9	0.74	0.9	0.74	0.935	0.05	-0.195	0.004101272	0.014759768	
ENSMUST0000044581.13	170025G04Rk	chr1	-	178.5	15192844	chr1:151878833-151883432	12.9	61.93	0.23	18.62	59.63	0.38	30.69	56.37	0.38	0.17	0.58	0.38	0.17	0.385	-0.195	0.004905013	0.017475145	
ENSMUST0000011133.2	Wdr35	chr2	+	121.4	9028322	chr2:9028322-9028645	22.73	72.88	0.27	23.57	43.14	0.42	45.2	48.2	0.31	0.58	43.6	47.62	0.48	0.335	-0.195	0.010685818	0.03413555	
ENSMUST0000020295.71	D410000022Rk	chr12	+	175.6	116404449	chr12:116404449-116404643	33.26	55.46	0.31	11.64	34.97	0.47	33.31	36.46	0.32	0.47	18.72	18.72	0.86	0.715	-0.195	0.004326296	0.06337277	
ENSMUST0000009777.3	G0z2	chr1	+	94.9	19327324	chr1:193272161-193272802	11.81	21.0	0.36	3.57	0	1	43.28	14.19	0.19	0.75	0.68	0.875	0.05	0.875	-0.195	0.021025001	0.061128103	
ENSMUST00000109418.1	Fim2	chr2	-	220.3	163468679	chr2:163468679-163470118	30.07	53.35	0.36	35.57	52.11	0.41	45.4	25.78	0.64	33.47	31.09	0.52	0.385	0.58	-0.195	0.022149687	0.061753544	
ENSMUST0000086041.11	Shap1	chr7	+	125	46264929	chr7:46264929-462650278	12.5	25.45	0.58	45.96	45.96	0.46	40.71	45.96	0.46	40.71	45.96	0.46	0.46	0.46	-0.195	0.004326296	0.06337277	
ENSMUST00000150265.7	Sbc35d1	chr4	-	163	103173530	chr4:103170649-103173780	28.62	12.47	0.8	15.89	0.66	0.62	12.46	0.78	0.34	17.8	38.74	1.3	0.97	0.68	0.875	-0.195	0.024772503	0.070368908
ENSMUST0000011936.8	Ahspap22	chr14	+	73.3	33369726	chr14:33369350-33369934	21.12	32.95	0.39	19.06	47.76	0.29	33.31	0.52	0.36	30.31	0.52	0.36	30.31	0.52	0.36	-0.195	0.02902106	0.080208959
ENSMUST0000075457.1	Lcd1	chr17	+	170.6	73241937	chr17:73241937-732423868	31.66	33.06	0.41	17.06	21.6	0.41	21.6	17.06	0.41	21.6	17.06	0.41	21.6	17.06	0.41	-0.195	0.013381585	0.047708488
ENSMUST0000057608.4	Lmc3	chr10	-	111.8	77898976	chr10:77897575-77901732	28.22	28.01	0.5	2.02	0.52	0.52	43.51	18.03	0.71	38.99	17.08	0.7	0.51	0.51	-0.195	0.038290969	0.096882883	
ENSMUST00000110505.7	Hmgp1	chr5	+	1024940.7	149048522	chr5:149048228-149048913	21.00	21.00	0.41	2278.54	3260.9	0.41	3668.13	2349.49	0.61	3877	2749.42	0.59	0.41	0.61	0.6	-0.195	0.268E-8	4.76E-86
ENSMUST00000199602.7	Rab1a	chr11	+	3317.7	20225328	chr11:20224648-20222650	225.22	1235.66	0.18	239.17	1271.25	0.16	523.27	1030.34	0.34	655.25	1040.11	0.35	0.155	0.345	-0.195	0.17E-33	1.07E-31	
ENSMUST00000168426.7	Ans2b	chr3	+	29147.5	89349476	chr3:89349476-893494535	344.37	625.66	0.4	893.476	893.476	0.59	870.16	287.17	0.77	1191.67	302.31	0.6	0.585	0.78	-0.195	1.32E-28	5.29E-27	
ENSMUST0000086580.11	Yap1	chr9	-	9928.1	7639362	chr9:7931999-7934732	448.25	176.87	0.72	446.27	539.62	0.71	480.91	0.86	0.86	638.89	39.42	0.94	0.71	0.94	-0.195	3.80E-19	7.14E-18	
ENSMUST0000034090.7	Sall1	chr8	-	9582.1	89028329	chr8:89027236-89028218	190.13	566.75	0.25	225.58	447.36	0.34	340.08	367.1	0.48	345.55	359.68	0.49	0.295	0.495	-0.195	4.38E-14	6.05E-13	
ENSMUST0000023460.6	Nbp2	chr16	+	15573.5	31957215	chr16:31956939-31959472	305.44	425.35	0.42	305.44	457.96	0.4	439.23	315.01	0.58	449.36	274.49	0.62	0.41	0.62	-0.195	1.58E-13	2.10E-12	
ENSMUST0000072896.12	Armc10	chr5	+	4754.8	21662295	chr5:21661364-21662694	196.99	159.79	0.58	216.93	57.37	0.79	290.48	7.12	0.97	274.9	3.69	0.99	0.79	0.99	-0.195	2.10E-13	2.76E-12	
ENSMUST0000035096.12	Pcdc6p	chr9	-	914.7	113854663	chr9:113651741-113655107	23.13	359.63	0.23	12.09	367.31	0.06	74.33	240.2	0.24	61.22	237.07	0.26	0.06	0.25	-0.195	6.45E-13	8.14E-12	
ENSMUST0000024873.8	Yfp4	chr17	+	5036.3	7449227	chr17:74489711-74502177	87.88	222.62	0.21	222.62	385.08	0.24	154.64	187.62	0.45	136.77	226.96	0.38	0.225	0.225	-0.195	1.68E-08	1.04E-07	
ENSMUST00000001070.5	Wwp2a	chr11	+	2727.3	43705437	chr11:43704534-43707191	59.98	276.48	0.18	59.98	284.62	0.17	124.02	187.45	0.4	115.46	238.13	0.33	0.175	0.365	-0.195	2.30E-08	2.41E-07	
ENSMUST0000089959.6	Gch1	chr4	-	448.6	47155200	chr4:47153885-47155924	13.41	171.46	0.23	10.47	178.72	0.05	54.54	173.28	0.26	54.54	173.28	0.26	0.06	0.25	-0.195	9.52E-08	7.51E-07	
ENSMUST0000088546.11	Fmr1	chrX	+	325.6	68717291	chrX:68715568-68717963	172.58	170.05	0.5	191.29	187.04	0.51	245.11	84.4	0.74	219.49	115.99	0.65	0.505	0.695	-0.195	1.28E-07	9.93E-07	
ENSMUST0000025439.3	Ajs2	chr18	+	3785.2	73706607	chr18:73700040-73730808	84.61	209.08	0.27	151.27	243.68	0.27	151.27	243.68	0.27	151.27	243.68	0.27	0.28	0.28	-0.195	4.20E-06	1.47E-05	
ENSMUST0000010049.5	Kidr	chr1	-	583.7	106724041	chr1:106720459-106725201	13.31	146.09	0.08	14.84	174.1	0.08	49	117.83	0.29	39	117.65	0.25	0.08	0.25	-0.195	2.79E-06	1.83E-05	
ENSMUST0000030877.11	Psp	chr9	-	966.7	82791179	chr9:82866159-82871861	135.91	74.77	0.64	143.3	94.07	0.61	191.86	25.02	0.68	199.34	35.41	0.85	0.675	0.865	-0.195	3.03E-06	1.98E-05	
ENSMUST0000038220.70	Tnfrsf1	chr2	+	945.7	134584170	chr2:134584170-134589885	51.73	150.32	0.66	150.32	150.32	0.66	150.32	150.32	0.66	150.32	150.32	0.66	0.66	0.66	-0.195	0.00550118	0.002409496	
ENSMUST0000014065.15	Ctip3	chr7	+	800	30307125	chr7:30308006-30308367	136.93	157.73	0.46	136.93	157.73	0.5	181.04	81.93	0.69	234.14	125.7	0.65	0.48	0.67	-0.195	6.38E-06	4.01E-05	
ENSMUST0000164837.2	160012HD6Rk	chr17	+	831.7	14944322	chr17:14943502-14945009	115.86	46.86	0.71	141.72	67.99	0.68	134.24	0.1	1	90.94	0.68	0.77	0.695	0.685	-0.195	1.58E-05	9.35E-05	
ENSMUST0000044454.11	Az2	chr9	+	592.9	116062286	chr9:116061714-116063389	90.01	140.27	0.39	96.23	108.4	0.47	152.95	97.85	0.61	163.49	95.58	0.63	0.43	0.62	-0.195	3.02E-05	0.00170634	
ENSMUST0000007315.12	Ahp2	chr6	+	490.6	70946249	chr6:70946249-70946249	31.17	60.86	0.4	31.17	60.86	0.4	31.17	60.86	0.4	31.17	60.86	0.4	0.4	0.4	-0.195	0.001309411	0.001309411	
ENSMUST0000080839.7	Cntnap2	chr6	+	2799.8	47290808	chr6:47298415-47299570	95.2	106.03	0.58	95.2	106.03	0.58	95.2	106.03	0.58	95.2	106.03	0.58	0.58	0.58	-0.195	0.00167813	0.000834617	
ENSMUST0000051667.13	Zfp105	chr9	+	496.4	122930240	chr9:122929600-122931028	80.8	62.43	0.67	102.25	31.39	0.77	116.53	26.1	0.62	129.71	0	1	0.72	0.91	-0.195	0.00190388	0.000936961	
ENSMUST0000050248.6	Zfp105	chr9	+	496.4	122930240	chr9:122929600-122931028	80.8	62.43	0.67	102.25	31.39	0.77	116.53	26.1	0.62	129.71	0	1	0.72	0.91	-0.195	0.00190388	0.000936961	
ENSMUST00000120310.1	DDah1	chr3	+	424.5	145891827	chr3:145891442-145893268	75.47	40.35	0.85	69.19	120.15	0.86	118.42	19.15	0.86	118.42	37.03	0.76	0.62	0.81	-0.195	0.000322621	0.001513481	
ENSMUST0000027492.7	Znr3f	chr11	-	516.9	5280807	chr11:5278800-5282505	88.86	69.94	0.56	108.08	38.42	0.33	93.44	11.73	0.89	66.8	18.71	0.78	0.645	0.835	-0.195	0.00393318	0.01808955	
ENSMUST00000081103.0	Sir	chr4	-	723.5	15155582	chr4:15154075-151515709	20.29	102.5	0.32	102.5	102.5	0.32	102.5	102.5	0.32	102.5	102.5	0.32	0.325	0.515	-0.195	0.00550118	0.002409496	
ENSMUST0000025440.7	Znf8	chr18	+	518.4	641457038	chr18:641457038-641458217	23.49	107.68	0.32	23.49	107.68	0.32	23.49	107.68	0.32	23.49	107.68	0.32	0.32	0.32	-0.195	0.001442469	0.001442469	
ENSMUST00000112930.7	Col4a5	chrX	+	262.2	141688244	chrX:141688043-141689180	73.24	64.72	0.53	67.99	36.88	0.68	95.83	92.42	0.31	75.5	83.83	19.53	0.81	0.59	0.78	-0.195	0.00193334	0.007068846
ENSMUST00000112931.7	Col4a5	chrX	+	309.5	141688244	chrX:141688043-141689234	70.92	66.82	0.53	67.99	36.88	0.68	95.83	92.42	0.31	75.5	83.83	19.53	0.81	0.59	0.78	-0.195	0.00193334	0.007068846
ENSMUST00000115895.1	Rff11	chr8	+	994.4	70425984	chr8:70425984-70427107	41.56	50.59	0.63	89.83	50.59	0.63	89.83	50.59	0.63	89.83	50.59	0.63	0.63	0.63	-0.195	0.002989846	0.008118569	
ENSMUST0000030877.11	Thap1	chr9	+	136.1	26126286	chr9:26126286-26126415	17.76	50.79	0.54	16.05	53.8	0.53	105.42	64.74	0.62	125.18	35.58	0.78	0.51	0.78	-0.195	0.002111322	0.008185607	
ENSMUST000002086430.7	Syr13	chr2	+	238.2	92526363	chr2:92526363-92569258	25.31	75.41																

ENSMUST0000101066.9	Ncor1	chr11	-	6340.2	62317508	chr11:62316426-62318030	143.89	252.28	0.36	154.24	289.41	0.35	243.39	253.44	0.49	289.3	198.38	0.58	0.355	0.535	-0.18	7.22E-08	0.57E-07	
ENSMUST0000006282.9	Usp36	chr1	-	3987.4	118261050	chr11:118259653-118261547	124.88	234.14	0.35	127.1	272.78	0.32	217.54	199.87	0.52	219	208.48	0.51	0.335	0.515	-0.18	1.14E-07	8.95E-07	
ENSMUST0000008940.5	Trim18a	chr17	+	30046.8	6305810	chr17:6305369-6303814	45.7	281.49	0.13	86.72	281.49	0.13	86.72	194.42	0.1	1	86.72	0.33	0.16	0.33	-0.18	1.41E-07	1.09E-06	
ENSMUST0000006784.7	Isr4	chrX	-	357.1	141713234	chrX:141710998-141713558	86.74	25.38	0.7	12.9	14.36	0.8	0	1	134.02	0	1	0.82	0.7	1	-0.18	1.55E-07	1.19E-06	
ENSMUST00000117768.7	Mpl1	chr5	+	646.4	9626400	chr5:96264001-9626727	11.12	186.32	0.06	13.88	186.32	0.06	13.88	179.54	0.27	41.73	150.35	0.22	0.265	0.245	-0.18	3.01E-07	2.24E-06	
ENSMUST0000004241.14	Drd16b	chr8	-	1546.7	111003100	chr8:111003108-111003311	110.75	282.44	0.3	114.78	281.28	0.29	152.22	136.31	0.47	175.15	189.82	0.48	0.265	0.475	-0.18	4.0E-07	3.35E-06	
ENSMUST00000117543.7	Alb1	chr11	+	280.3	20886397	chr11:20886397-20888183	15.75	20.47	0.03	50.17	20.47	0.03	50.17	72.47	0.07	16.23	20.16	0.09	0.14	0.06	-0.18	1.45E-06	1.44E-05	
ENSMUST0000011233.7	Limk1	chr5	+	508.3	134658995	chr5:134656040-134657385	133.3	39.88	0.7	141.29	39.88	0.7	163.91	16.91	0	1	160.84	20.09	0.89	0.785	0.945	-0.18	2.16E-06	1.45E-05
ENSMUST0000015239.0	Plat1	chr2	+	1482.8	153269920	chr2:153265995-153268063	130.28	28.08	0.75	140.82	64.44	0.69	176.56	6.5	0.96	141.3	26.46	0.84	0.72	0.9	-0.18	2.35E-06	1.56E-05	
ENSMUST0000004446.10	Meis1a	chr8	+	1832.6	148338610	chr8:148338610-148339649	101.67	39.48	0.6	143.86	237.67	0.6	184.69	187.97	0.6	187.97	167.89	0.6	0.65	0.65	-0.18	2.45E-06	1.95E-05	
ENSMUST0000106979.7	Zfp532	chr18	+	405.1	65887269	chr18:65886862-6588840	98.95	37.09	0.73	110.37	21.86	0.83	144.19	12.22	0.92	146.24	0	1	0.78	0.96	-0.18	6.28E-06	3.95E-05	
ENSMUST0000016859.2	Cplr3	chr6	+	585.6	3687278	chr6:3688622-368784	203.36	70.67	0.57	154.75	130.7	0.57	154.15	23.01	0.87	124.13	31.52	0.8	0.655	0.835	-0.18	2.05E-05	0.00119741	
ENSMUST0001074815.1	Tdkh1	chr3	+	891.4	8431243	chr3:84303650-8431243	55.41	10.42	0.5	51.41	10.42	0.5	51.41	10.42	0.5	1.1	10.42	0	1	0.81	0.81	-0.18	3.57E-05	0.001191
ENSMUST0000197901.4	Tdkh	chr3	+	892.3	94431242	chr3:94430560-94431507	55.85	10.08	0.85	51.09	15.33	0.77	78.87	1.53	0.98	82.31	0	1	0.81	0.91	-0.18	3.57E-05	0.00019912	
ENSMUST0000001240.11	Agpat3	chr10	-	3736.6	7827169	chr10:78269178-7827375	20.08	145.97	0.12	6.07	155.96	0.15	58.12	137.62	0.1	63.249	126.39	0.33	0.135	0.315	-0.18	5.8E-05	0.00028916	
ENSMUST0000003219.13	Cnnt1	chr1	+	699.7	39545270	chr1:39545089-39546873	88.58	145.3	0.38	78.9	178.71	0.37	115.5	89.66	0.56	121.58	132.02	0.48	0.34	0.34	-0.18	8.69E-05	0.00045154	
ENSMUST0000004054.12	Kmt1	chr16	+	1458.7	14587208	chr16:36353721-363537131	115.84	97.45	0.54	131.43	94.01	0.61	158.98	0.98	0.79	161.73	61.89	0.72	0.575	0.575	-0.18	0.000134452	0.00081227	
ENSMUST0000032843.8	Trim126b	chr7	+	368	9048552	chr7:90467438-90469161	81.67	28.77	0.18	71.48	28.77	0.18	71.48	28.77	0.18	107.42	15.06	0.88	0.78	0.92	-0.18	0.00018756	0.000924471	
ENSMUST0000017239.2	Nfsc2	chr19	-	531.9	46888850	chr19:46887828-46889801	35.37	153.28	0.19	29.88	148.25	0.17	59.04	110.89	0.35	58.89	70.71	0.37	0.18	0.36	-0.18	0.00020189	0.00116836	
ENSMUST00000058785.5	Kmt1	chr16	+	144.3	107583117	chr16:35752371-107583050	72.78	25.92	0.84	91.05	25.92	0.84	91.05	94.31	0.34	63.52	0.98	0.85	0.79	0.9	-0.18	0.00022004	0.00107011	
ENSMUST00000087374.9	Adam23	chr1	+	243.8	63592834	chr1:63592608-63599276	24.53	164.36	0.16	44.33	159.86	0.16	44.33	98.95	0.31	39.06	76.61	0.34	0.145	0.325	-0.18	0.00025158	0.00120388	
ENSMUST00000001379.7	Gemin2	chr12	+	1215.2	59027938	chr12:59027737-59028470	71.2	142.43	0.26	43.92	130.27	0.25	85.48	108.97	0.44	77.88	101.25	0.43	0.255	0.435	-0.18	0.00044349	0.002319741	
ENSMUST0000004815.18	Papb1	chr10	-	248.2	88092825	chr10:88092375-88093186	101.19	74.4	0.58	96.85	85.5	0.53	107.83	31.36	0.77	123.7	52.35	0.7	0.555	0.735	-0.18	0.00061594	0.002702843	
ENSMUST0000000117.14	Selsbp2	chr13	+	350.3	5168380	chr13:51683278-51684044	55.2	142.43	0.26	43.92	130.27	0.25	85.48	108.97	0.44	77.88	101.25	0.43	0.255	0.435	-0.18	0.00044349	0.002319741	
ENSMUST00000029201.13	Pk3ca	chr3	+	590.6	3246368	chr3:32462361-32468486	15.39	93.58	0.18	24.3	107.06	0.18	42.45	85.34	0.33	41.38	87.78	0.33	0.15	0.33	-0.18	0.000946319	0.00394121	
ENSMUST00000026735.8	Ccdc51	chr9	+	79.7	1009091785	chr9:109091515-109092489	31.84	42.07	0.44	20.47	2.72	0.94	42.77	9.17	0.82	66.06	8.44	0.89	0.675	0.855	-0.18	0.00098501	0.000481265	
ENSMUST0000004272.74	Usp38	chr8	+	295.1	8091704	chr8:8090753-8091980	69.25	70.85	0.52	123.92	81.27	0.52	123.92	40.65	0.75	113	82.77	0.58	0.465	0.605	-0.18	0.00069416	0.00069416	
ENSMUST0000002802.2	Kn1	chr2	+	1058.8	119104669	chr2:119103978-119105501	69.64	21.76	0.68	66.89	80.99	0.58	107.08	31.78	0.77	91.99	55.29	0.62	0.515	0.695	-0.18	0.001971945	0.00371693	
ENSMUST00000114909.1	Taf3	chr2	-	776	9915837	chr2:9914678-9916486	83.96	96.25	0.17	90.31	96.25	0.17	90.31	69.99	0.37	46.14	88.37	0.34	0.172	0.35	-0.18	0.00282455	0.01058138	
ENSMUST00000038880.10	Taf5	chr2	-	776	9915837	chr2:9914678-9916486	83.96	96.25	0.17	90.31	96.25	0.17	90.31	69.99	0.37	46.14	88.37	0.34	0.172	0.35	-0.18	0.00282455	0.01058138	
ENSMUST000000807719.9	Zfp24	chr10	-	51.1	41464885	chr10:41464274-41465574	24.92	13.59	0.65	30.57	0.36	0.99	44.91	0	1	48.53	0.0	1	0.82	1.0	-0.18	0.00385748	0.013434113	
ENSMUST00000151084.7	Crem	chr18	-	231.4	3267920	chr18:3267390-3268129	102.22	75.9	0.98	68.88	86.67	0.98	68.88	4.94	0.95	76.86	34.63	0.69	0.64	0.82	-0.18	0.003894762	0.014101874	
ENSMUST00000055245.12	Abraxas1	chr5	+	296.4	100805897	chr5:100805162-100806489	25.71	72.92	0.26	30.76	96.28	0.24	63.1	68.15	0.48	50.89	82.6	0.38	0.25	0.43	-0.18	0.004453044	0.015903728	
ENSMUST00000049019.11	Elk4	chr1	+	160.6	65848618	chr1:65848618-65849044	48.4	57.91	0.4	65.85	57.91	0.4	65.85	52.69	0.48	54.93	54.93	0.48	0.48	0.48	-0.18	0.004453044	0.015903728	
ENSMUST00000030078.11	Hsd2	chr4	+	391.3	59617969	chr4:59617355-59618889	25.71	72.92	0.26	30.76	96.28	0.24	63.1	68.15	0.48	50.89	82.6	0.38	0.25	0.43	-0.18	0.004453044	0.015903728	
ENSMUST00000102861.8	Thra1	chr16	+	208.8	3858970	chr16:3858970-3858970	61.42	19.27	0.23	33.72	19.27	0.23	33.72	63.09	0.47	44.73	71.23	0.39	0.225	0.43	-0.18	0.005527542	0.019283257	
ENSMUST00000025295.6	Spry4	chr18	-	207.8	3858970	chr18:3858628-3859075	61.42	19.27	0.23	33.72	19.27	0.23	33.72	63.09	0.47	44.73	71.23	0.39	0.225	0.43	-0.18	0.005527542	0.019283257	
ENSMUST0000002289.3	Lrp4	chr2	+	915.11868	91511868	chr2:91511239-91513779	60.69	34.98	0.83	64.35	31.28	0.83	64.35	10.13	0.89	67.4	20.35	0.77	0.65	0.83	-0.18	0.00704428	0.023936599	
ENSMUST00000007249.11	Chst10	chr1	+	82.9	3886561	chr1:3886561-38866035	31.01	7.21	0.81	30.6	7.21	0.81	30.6	1	1	42.24	0	1	0.83	0.83	-0.18	0.00809651	0.029234109	
ENSMUST000000019436.15	Chst10	chr1	+	82.9	3886561	chr1:3886561-38866035	31.01	7.21	0.81	30.6	7.21	0.81	30.6	1	1	42.24	0	1	0.83	0.83	-0.18	0.00809651	0.029234109	
ENSMUST00000005769.13	Gcc2	chr10	+	115.4	58304874	chr10:58304004-58305599	46.86	11.54	0.83	62.81	11.54	0.78	61.75	11.58	0.84	58.93	11.69	0.83	0.555	0.735	-0.18	0.00935515	0.030452504	
ENSMUST00000004513.10	Pk3pl1	chr11	+	206.3	3341773	chr11:3341523-3342971	55.26	39.97	0.58	68.03	43.96	0.61	82.6	26.37	0.76	69.83	18.81	0.79	0.655	0.835	-0.18	0.009694707	0.031416208	
ENSMUST0000002040.16	P3h1	chr5	+	344.3	63940233	chr5:63940233-63941823	71.12	63.32	0.65	63.32	63.32	0.65	63.32	63.32	0.65	63.32	63.32	0.65	0.65	0.65	-0.18	0.009694707	0.031416208	
ENSMUST00000102662.10	P3h1	chr4	+	992.2	119248385	chr4:119248184-119248972	22.72	32.54	0.35	54.76	61.64	0.35	54.76	60.19	0.48	43	49.96	0.46	0.29	0.47	-0.18	0.012435506	0.038937244	
ENSMUST00000028592.10	Prrg4	chr2	-	921.2	10483200	chr2:104830741-104832810	30.79	74.67	0.26	24.94	71.73	0.26	38.89	50.17	0.44	33.95	49.89	0.44	0.26	0.44	-0.18	0.012700012	0.039648695	
ENSMUST0000017819.11	Lymr1	chr3	+	33.9	7839324	chr3:7839324-78394870	45.15	68.25	0.34	68.25	68.25	0.34	68.25	68.25	0.34	68.25	68.25	0.34	0.25	0.25	-0.18	0.012700012	0.039648695	
ENSMUST00000107358.8	Stat5b	chr11	-	394.2	100782779	chr11:10																		

ENSMUST0000100955.2	Gfzh5	chr17	+	28225.4	6084719	chr17:6084472-6085132	359.05	839.4	0.3	337.58	1012.34	0.25	397.55	486.11	0.45	393.28	502.11	0.44	2.075	-0.17	2.90E-16	4.64E-15
ENSMUST0000023756.11	Racgap1	chr15	-	12591.5	99621263	chr15:99620497-99621464	366.89	200.32	0.65	439.03	492.42	0.82	661.06	59.84	0.92	656.64	80.82	0.89	0.735	-0.05	1.39E-16	5.38E-15
ENSMUST0000117022.11	Racgap1	chr15	-	12591.5	99621263	chr15:99620496-99621464	366.89	200.32	0.65	439.03	492.42	0.82	661.06	59.84	0.92	656.64	80.82	0.89	0.735	-0.17	3.39E-16	5.38E-15
ENSMUST0000085026.11	Vrk1	chr12	+	36111.5	106075008	chr12:106075007-106077426	27.85	31.19	0.27	31.61	42.85	0.27	41.2	390.82	0.23	142.42	417.71	0.25	0.07	-0.17	2.30E-13	3.00E-12
ENSMUST00000118768	Pnk3	chr17	-	3082.9	78951827	chr17:78951614-78952030	234.38	58.13	0.79	233.17	44.04	0.84	21.1	0	1	227.08	3.76	0.97	0.815	-0.07	3.76E-11	4.04E-10
ENSMUST0000084269.5	Aknin2	chr4	+	6567.3	34566439	chr4:34566215-34566608	239.52	54.54	0.78	237.91	315.12	0.78	438.17	244.5	0.64	460.38	320.67	0.59	0.445	-0.17	1.25E-09	1.29E-08
ENSMUST00000008210.6	Podn1	chr16	+	415.6	3856214	chr16:3856213-38562761	36.29	16.04	0.32	16.04	19.26	0.48	19.26	19.26	0.48	19.26	19.26	0.48	0.815	-0.17	3.15E-07	1.97E-07
ENSMUST00000118762.7	Kcld20	chr17	+	3082.9	28967893	chr17:28966652-28966549	235.18	253.96	0.58	253.96	155.41	0.62	337.01	92.5	0.78	333.59	107.93	0.76	0.08	-0.17	1.64E-07	1.26E-06
ENSMUST0000044373.5	Rkap	chr3	+	869.9	54804296	chr3:54803115-54804975	15.21	20.47	0.07	20.47	218.8	0.09	44.09	149.15	0.23	60.75	162.11	0.27	0.08	-0.17	4.01E-07	2.93E-06
ENSMUST0000022612.9	Rfk	chr14	+	470.4	65817100	chr14:65817099-65817352	17.26	15.26	0.71	15.26	152.6	0.71	15.26	79.1	0.85	29.33	12.49	0.85	0.45	-0.17	1.25E-06	8.85E-06
ENSMUST0000079817.7	Slk24	chr14	-	1890.9	12128670	chr14:12128634-121287364	184.76	56.52	0.77	174.13	84.88	0.67	186.17	34.63	0.84	222.81	14.85	0.94	0.72	-0.17	1.08E-06	7.48E-06
ENSMUST00000150843.7	Pnk2	chr2	+	1436.8	131298501	chr2:131298273-131298064	14.77	22.76	0.15	87.53	294.16	0.15	87.53	215.55	0.29	96.95	183.28	0.35	0.15	-0.17	1.10E-06	7.63E-06
ENSMUST00000453214.4	Fgfr3	chr17	+	1410.8	8194523	chr17:8194522-8194477	17.07	15.26	0.71	15.26	175.17	0.71	15.26	152.6	0.64	145.21	152.33	0.62	0.72	-0.17	1.42E-05	0.63E-04
ENSMUST0000024881.13	Strn	chr17	-	346	78955458	chr17:78954596-78955599	91.82	12.24	0.88	97.5	27.55	0.78	102.57	0	1	98.17	0	1	0.83	-0.17	2.92E-06	1.91E-05
ENSMUST0000023686.14	Them50b	chr16	-	197.7	91575624	chr16:91574503-91576158	17.31	38.75	0.07	37.31	3.06	0.97	98.71	1.72	0.98	82.56	0	1	0.82	-0.17	4.92E-06	3.13E-05
ENSMUST00000898737.10	Gk2	chr19	-	1171.4	4287063	chr19:4287062-4287264	107.87	227.15	0.32	101.86	247.92	0.29	149.43	149.28	0.5	167.44	206.2	0.45	0.305	-0.17	9.56E-06	5.87E-05
ENSMUST0000025701.11	Gk2	chr19	-	1171.4	4287063	chr19:4287061-4287264	107.87	227.15	0.32	101.86	247.92	0.29	149.43	149.28	0.5	167.44	206.2	0.45	0.305	-0.17	9.56E-06	5.87E-05
ENSMUST0000021920.7	Splic1	chr13	+	897.1	53333336	chr13:53332748-53333977	126.82	163.14	0.48	163.14	99.26	0.62	242.28	43.41	0.85	173.88	61.77	0.74	0.265	-0.17	2.82E-05	0.000131184
ENSMUST00000119928	Luc7	chr17	+	902.9	26281865	chr17:26281625-26281990	202.9	96.06	0.68	141.48	111.04	0.56	210.08	59.28	0.78	231.86	58.49	0.8	0.62	-0.17	2.31E-05	0.000133133
ENSMUST0000059274.2	Pdn3	chr19	+	2159.9	59299585	chr19:59299584-59301498	137.4	146.06	0.4	189.94	118.36	0.6	216.5	71.04	0.75	157.44	33.56	0.67	0.54	-0.17	3.85E-05	0.000218032
ENSMUST000009195.9	Pde7a	chr3	+	976.7	19222511	chr3:19223108-19227841	31.02	30.68	1.46	30.68	146.08	0.17	83.87	142.47	0.37	71.94	168.88	0.31	0.17	-0.17	0.000112689	0.000579609
ENSMUST0000045029.14	Pgk	chr3	+	670.9	15278616	chr3:15278536-15278922	82.91	15.47	0.35	101.41	192.82	0.34	136.42	135.87	0.5	113.56	100.76	0.53	0.345	-0.17	0.000220971	0.001073883
ENSMUST0000010519.9	Lmna3	chr10	-	406.2	28272369	chr10:28271449-28272623	39.41	53.77	0.58	95.2	0.24	1.7	103.61	9.35	0.92	105.73	0	1	0.79	-0.17	0.000239342	0.00149504
ENSMUST00000078739.6	Vps13c	chr9	+	339.9	6795498	chr9:67955288-67955538	123.02	60.84	0.67	185.71	107.66	0.81	107.66	19.7	0.85	100.13	2.9	0.97	0.74	-0.17	0.000426731	0.001953042
ENSMUST0000067924.12	Lrnc8c	chr5	+	144.6	105608873	chr5:10560499-105613018	3.37	61.02	0.08	4.09	78.15	0.05	26.63	51.54	0.24	11.9	47.92	0.2	0.05	-0.17	0.00160208	0.00889127
ENSMUST00000085709.5	Pgdc	chr9	-	228	57414022	chr9:57414021-57414728	6.78	81.88	0.08	6.78	84.08	0.05	10.46	91.65	0.18	26.57	57.72	0.31	0.075	-0.17	0.00207571	0.00790332
ENSMUST0000011087.11	Gk2	chr19	-	161.8	10136222	chr19:10136221-10136768	106.58	110.15	0.47	106.58	110.15	0.47	106.58	97.1	0.68	97.1	174.44	0.83	0.68	-0.17	0.000227491	0.000470329
ENSMUST0000068071.11	Elp6	chr16	+	136.3	110321289	chr16:110320815-110322102	7.03	66.89	0.1	6.52	87.13	0.07	15.92	54.3	0.23	23.99	61.06	0.28	0.085	-0.17	0.000297262	0.008028927
ENSMUST0000005259.5	Epb414a	chr18	-	236.2	33797052	chr18:33796527-33797470	12.89	88.98	0.13	14.65	80.09	0.15	39.48	85.01	0.32	41.87	97.07	0.3	0.14	-0.17	0.00255232	0.009672014
ENSMUST0000014889.7	Wdr7	chr17	-	131.7	69846162	chr17:69846161-69846325	12.36	22.36	0.16	22.36	12.36	0.16	22.36	12.36	0.16	22.36	12.36	0.16	0.93	-0.17	0.002084911	0.000259255
ENSMUST0000030417.9	Cdc42	chr4	+	636.5	17332418	chr4:17332162-173322619	24.55	75.16	0.25	33.24	58.28	0.19	83.49	0.5	76.57	83.11	0.48	0.32	-0.17	0.00581156	0.018753036	
ENSMUST0000059790.10	Pramef8	chr4	+	188.2	14341983	chr4:14341838-143421091	65.52	17.76	0.56	39.32	33.9	0.64	83.74	11.15	0.88	93.32	15.09	0.86	0.7	-0.17	0.005525257	0.019283227
ENSMUST0000027297.10	Plmb2	chr1	+	297.3	34878263	chr1:34878011-34879580	48.41	27.66	0.47	56.59	24.44	0.7	79.26	3.08	0.96	74.77	28.86	0.72	0.67	-0.17	0.01843776	0.037484043
ENSMUST0000032329.6	Ltk3	chr4	+	263.8	4949494	chr4:4949493-4949524	54.99	24.99	0.64	27.99	69.94	0.64	27.99	69.94	0.64	27.99	69.94	0.64	0.77	-0.17	0.000497583	0.000764923
ENSMUST00000119141.7	Payp1	chr9	-	94	96825421	chr9:96825386-96825622	27.2	24.02	0.66	24.02	0	1	35.68	0	1	31.43	0	1	0.83	-0.17	0.003341155	0.04143942
ENSMUST0000009019.9	Osbp3	chr6	+	74.7	50296894	chr6:50296887-50297161	4.63	44.86	0.09	4.63	54.85	0.06	14.24	45.38	0.24	13.27	39.21	0.25	0.075	-0.17	0.01338494	0.041551315
ENSMUST0000027297.10	Osbp3	chr6	+	74.7	50296894	chr6:50296893-50297161	4.63	44.86	0.09	4.63	54.85	0.06	14.24	45.38	0.24	13.27	39.21	0.25	0.075	-0.17	0.01338494	0.041551315
ENSMUST00000076169.3	Mxd	chr13	+	352.8	92825985	chr13:92825878-92828320	53.96	34.16	0.61	52.4	21.42	0.42	13.86	81.63	0.86	80.13	20.26	0.8	0.68	-0.17	0.014174466	0.043638989
ENSMUST00000202173.8	Gpr137b	chr10	+	204.4	13359127	chr10:13357620-13359423	29.2	23.48	0.33	23.48	78.09	0.33	54.2	75.9	0.42	69.49	59.5	0.46	0.27	-0.17	0.015471878	0.046996088
ENSMUST00000119171.1	Mxd	chr15	-	51.1	34179909	chr15:34179579-34177149	48.47	23.55	0.66	48.47	19.81	0.27	64.08	10.22	0.86	66.82	11.54	0.84	0.68	-0.17	0.016486371	0.045833373
ENSMUST0000014707.17	Inpde	chr10	+	286.6	10268192	chr10:10268191-10268377	25.86	25.86	0.62	25.86	25.86	0.62	25.86	25.86	0.62	25.86	25.86	0.62	0.68	-0.17	0.000897562	0.000593878
ENSMUST0000034004.9	Pdgr1	chr8	+	96.8	40990547	chr8:40990315-40990785	32.3	23.93	0.57	42.27	48.21	0.38	60.56	26.33	0.7	37.55	25.94	0.59	0.475	-0.17	0.028719682	0.074781353
ENSMUST0000027297.10	Plmb2	chr1	+	297.3	34878263	chr1:34878011-34879580	48.41	27.66	0.47	56.59	24.44	0.7	79.26	3.08	0.96	74.77	28.86	0.72	0.67	-0.17	0.01843776	0.037484043
ENSMUST0000011087.11	Gk2	chr19	-	161.8	10136222	chr19:10136221-10136768	106.58	110.15	0.47	106.58	110.15	0.47	106.58	97.1	0.68	97.1	174.44	0.83	0.68	-0.17	0.000227491	0.000470329
ENSMUST0000010519.9	Vps13c	chr9	+	339.9	6795498	chr9:67955288-67955538	123.02	60.84	0.67	185.71	107.66	0.81	107.66	19.7	0.85	100.13	2.9	0.97	0.74	-0.17	0.000426731	0.001953042
ENSMUST0000067924.12	Lrnc8c	chr5	+	144.6	105608873	chr5:10560499-105613018	3.37	61.02	0.08	4.09	78.15	0.05	26.63	51.54	0.24	11.9	47.92	0.2	0.05	-0.17	0.00160208	0.00889127
ENSMUST00000085709.5	Pgdc	chr9	-	228	57414022	chr9:57414021-57414728	6.78	81.88	0.08	6.78	84.08	0.05	10.46	91.65	0.18	26.57	57.72	0.31	0.075	-0.17	0.00207571	0.00790332
ENSMUST0000011087.11	Gk2	chr19	-	161.8	10136222	chr19:10136221-10136768	106.58	110.15	0.47	106.58	110.15	0.47	106.58	97.1	0.68	97.1	174.44	0.83	0.68	-0.17	0	

ENSMUST0000060805.6	Fam120a	chr13	-	984.8	48880824	chr13:48879210-48881095	242.49	196.78	0.55	236.89	159.38	0.6	299.91	105.54	0.74	271.04	100.83	0.73	0.575	0.45	-0.16	2.03E-06	1.38E-05
ENSMUST000002462.13	Owmd1	chr14	+	854.4	32102619	chr14:32102257-32103202	79.32	10.35	0.86	86.09	18.3	0.82	104.98	0	1	133.01	0	1	0.84	1	-0.16	3.44E-06	2.37E-05
ENSMUST0000097419.9	FglTb	chr16	+	1558.87	6194827	chr16:6194521-6196804	167.69	178.75	0.62	154.87	251.69	0.42	164.91	0.6	0.6	174.5	0.6	0.6	0.45	0.6	-0.16	3.64E-06	2.35E-05
ENSMUST0000016547.8	Gngn2b	chr11	-	3538.3	84833012	chr11:84833281-84833213	17.05	115.59	0.61	221.06	109.93	0.77	66.17	0.83	238.7	70.1	0.77	0.64	0.8	-0.16	5.82E-06	3.25E-05	
ENSMUST0000020794.5	Ska2	chr11	-	5261.9	87122683	chr11:87122168-87124635	63.97	17.05	0.29	139.75	179.39	0.60	166.6	222.96	0.43	160.08	220.55	0.42	0.265	0.45	-0.16	6.05E-05	0.000074295
ENSMUST0000001252.4	Slc16a1	chr2	+	5683.3	26110449	chr2:26043633-26810353	127.91	170.06	0.67	138.75	56.95	0.81	208.04	39.48	0.84	210.18	27.73	0.88	0.7	0.86	-0.16	5.06E-05	0.000051702
ENSMUST00000028767.8	Rit1	chr13	-	2117.3	119733403	chr13:119733403-119735407	70.34	109.77	0.55	107.27	200.45	0.26	127.81	103.2	0.81	103.2	162.59	0.39	0.295	0.16	-0.16	6.50E-05	0.000014551
ENSMUST00000028977.8	Dcrt1	chr4	+	389	15918983	chr4:15917240-15919004	3.11	85.49	0.04	2.5	0.04	0.03	18.65	0.43	0.23	18.8	95.16	0.16	0.035	0.16	-0.16	0.000147608	0.000741527
ENSMUST00000027700.14	Rbp9p	chr4	+	1155.9	132504764	chr4:132503764-132505699	106.13	132.55	0.66	152.41	79.2	0.66	164.87	87.5	0.68	216.19	75.45	0.74	0.55	0.71	-0.16	0.000219784	0.001069421
ENSMUST0000016286.9	Amo4b	chr4	+	1615.4	52095495	chr4:52095495-52096202	10.98	15.98	0.77	8.6	0.77	0.77	8.6	0.77	0.77	8.6	0.77	0.77	0.77	0.77	-0.16	0.000000000	0.000000000
ENSMUST0000015402.7	Sloc1a1	chr1	+	169.7	12871126	chr1:12871348-12872328	74.99	16.68	0.88	73.59	0	0.88	96.88	0	1	71.14	5.74	0.93	0.803	0.965	-0.16	0.000313173	0.001473196
ENSMUST000000162760.7	Armg40	chr4	+	1629.9	52005493	chr4:52005199-52005623	92.21	10.69	0.85	52.67	14.81	0.78	88.89	0	1	84.27	2.12	0.98	0.803	0.99	-0.16	0.000636894	0.002793089
ENSMUST00000305554.14	Fhl1	chr17	-	723.6	87991506	chr17:87991506-87992171	101.77	86.67	0.53	107.77	86.67	0.53	107.77	86.67	0.53	107.77	86.67	0.53	0.65	0.62	-0.16	0.000000000	0.000000000
ENSMUST00000102744.3	Orc1	chr4	+	869.6	108614523	chr4:108614281-108614833	67.25	123.16	0.35	67.66	139.52	0.33	97.41	84.14	0.54	102.59	118.18	0.46	0.46	0.5	-0.16	0.001624833	0.006509775
ENSMUST00000175566.7	Gm3373	chr14	-	7033	45718719	chr14:45718338-45719478	83.5	106.37	0.44	83.72	91.23	0.44	149.56	103.79	0.59	140.36	76.31	0.65	0.46	0.6	-0.16	0.002014591	0.007871908
ENSMUST0000003584.14	Chch25	chr2	+	981.3	129133476	chr2:129133275-129134134	94.57	52.54	0.64	92.49	59.83	0.61	145.8	25.99	0.85	156.34	61.33	0.72	0.625	0.99	-0.16	0.002589004	0.009891251
ENSMUST00000055575.7	Lam10	chr4	+	434.2	12806204	chr4:128067639-128069864	124.47	80.15	0.67	126.47	90.33	0.66	145.86	145.86	0.68	145.86	65.68	0.69	0.615	0.75	-0.16	0.000292879	0.019871962
ENSMUST0000001415.7	Sra1	chr18	-	88.2	36671427	chr18:36671160-36671675	82.08	27.87	0.51	82.08	24.24	0.51	82.08	24.24	0.51	82.08	24.24	0.51	0.76	0.84	-0.16	0.003277413	0.012055258
ENSMUST0000018193.7	Tbc33	chr15	+	245.1	5217861	chr15:5217150-5218338	79.58	44.62	0.64	84.85	49.24	0.63	109.53	29.78	0.79	126.86	31.17	0.8	0.635	0.795	-0.16	0.000448639	0.016005814
ENSMUST0000019489.8	Oat3p	chr6	+	36.9	50298983	chr6:50293358-50297161	3.84	45.55	0.06	2.11	0.04	0.04	12.64	0.21	0.21	40.1	0.23	0.06	0.06	0.22	-0.16	0.000261041	0.027438199
ENSMUST00000027263.13	Slk17b	chr1	-	298.2	53755630	chr1:53755606-53757770	22.38	88.62	0.23	34.12	87.96	0.23	34.12	59.97	0.36	40.55	63.76	0.39	0.215	0.375	-0.16	0.00084507	0.032484521
ENSMUST00000050646.12	Tcf19	chr11	+	614.6	62314991	chr11:62314010-62316426	44.2	74.45	0.37	65.45	65.45	0.45	84.22	63.25	0.57	68.02	51.79	0.57	0.41	0.57	-0.16	0.011666491	0.036862229
ENSMUST0000010002.12	Itih2	chr2	+	255.4	163045703	chr2:163045203-163046141	59.42	58.95	0.5	60.61	67.55	0.47	80.55	71.2	0.53	103.86	33.26	0.76	0.485	0.645	-0.16	0.013054513	0.042313668
ENSMUST00000120664.7	Pde4d	chr13	+	342	109951542	chr13:109950031-109953461	16.38	80.62	0.19	32.02	71.67	0.19	32.02	71.67	0.31	33.33	55.85	0.37	0.18	0.37	-0.16	0.019932755	0.058456486
ENSMUST00000109421.9	Gdap11	chr2	+	132.3	163453810	chr2:163453584-163453952	41.62	65.05	0.34	58.04	24.9	0.6	59.26	24.9	0.7	91.14	35.89	0.72	0.55	0.5	-0.16	0.020511364	0.070946336
ENSMUST00000169304.7	Srap	chr2	+	104.1	129630247	chr2:129629927-129630207	62.28	30.05	0.67	68.28	33.2	0.74	69.86	26.12	0.73	79.12	0	1	0.705	0.865	-0.16	0.029863444	0.087138633
ENSMUST00000179086.7	Homer1	chr13	+	190.6	93403693	chr13:93403204-93403129	29.91	15.2	0.25	37.97	31.28	0.24	37.97	31.28	0.24	37.97	43.87	0.43	0.23	0.23	-0.16	0.000223967	0.007732277
ENSMUST00000049385.13	Eif1	chr11	+	76250.8	100321524	chr11:100321317-100322096	1281.4	5423.27	0.19	1388.72	6201.89	0.18	243.86	4783.51	0.34	2535.95	4864.99	0.34	0.185	0.34	-0.16	3.41E-08	1.81E-06
ENSMUST00000015893.12	Ang32e	chr3	+	2514.7	99594445	chr3:99594180-99594565	1305.2	289.83	0.82	229.83	304.12	0.82	123.09	35.72	0.97	145.25	31.33	0.98	0.82	0.975	-0.16	1.32E-08	7.85E-07
ENSMUST00000010002.12	Itih2	chr2	+	255.4	163045703	chr2:163045203-163046141	59.42	58.95	0.5	60.61	67.55	0.47	80.55	71.2	0.53	103.86	33.26	0.76	0.485	0.645	-0.16	0.013054513	0.042313668
ENSMUST00000142407.7	Ube2k	chr5	+	9725.7	65955110	chr5:65954875-65959888	53.41	1120.87	0.05	58.61	1170.22	0.05	251.88	9724.44	0.21	245.38	964.55	0.2	0.05	0.205	-0.16	2.17E-33	7.39E-32
ENSMUST00000202062.7	Sdha	chr13	-	743229.8	1743229.8	chr13:743229.8-1743231.73	219.8	1107.6	0.17	457.07	1268.74	0.17	457.07	950.55	0.32	444.68	917.63	0.33	0.32	0.325	-0.16	3.89E-23	9.18E-22
ENSMUST00000027421.12	Trp12	chr1	+	97.87	84724433	chr1:84721189-84724434	41.44	80.95	0.05	47.49	87.79	0.05	159.62	57.19	0.22	141.1	584.35	0.19	0.05	0.205	-0.16	9.49E-22	2.07E-20
ENSMUST00000027862.9	Atp1b1	chr16	+	67825.2	164443790	chr16:164437901-164439539	682.91	7145.76	0.16	7145.76	7145.76	0.16	7145.76	7145.76	0.16	7145.76	7145.76	0.16	0.16	0.16	-0.16	0.000000000	0.000000000
ENSMUST00000212214.1	Csrk2a2	chr8	+	9147.6	95453211	chr8:9544794-95453211	88.39	694.23	0.11	117.57	694.23	0.11	117.57	463.08	0.28	172.23	511.07	0.25	0.11	0.265	-0.16	6.54E-13	8.20E-12
ENSMUST00000167377.2	Igkap1	chr7	+	938.14	80713042	chr7:80711585-80713945	560.87	275.44	0.66	604.29	307.59	0.66	622.08	118.58	0.84	549.96	134.01	0.8	0.665	0.82	-0.16	1.34E-12	1.63E-11
ENSMUST0000002818.8	Yod1	chr5	+	190.6	93403693	chr5:93403204-93403129	29.91	15.2	0.25	37.97	31.28	0.24	37.97	31.28	0.24	37.97	43.87	0.43	0.23	0.23	-0.16	0.000223967	0.007732277
ENSMUST0000027592.5	Ubxn4	chr1	+	488.18	12827749	chr1:128277692-128279378	41.25	245.44	0.08	41.25	527.53	0.07	114.53	370.76	0.24	103.24	369.89	0.22	0.075	0.15	-0.16	4.24E-12	4.94E-11
ENSMUST0000004999.8	Spin2c	chr16	+	674	153833702	chr16:153833191-153834243	207.48	44.74	0.85	229.59	41.46	0.85	294.76	0	1	289.84	395.48	0.83	0.835	0.95	-0.16	4.76E-12	5.51E-11
ENSMUST00000009947.3	Ddx4b	chr13	+	3193.2	59679047	chr13:59679047-59681296	382.87	446.48	0.11	52.6	456.68	0.11	355.66	446.48	0.11	355.66	665.68	0.24	0.105	0.26	-0.16	1.73E-10	1.77E-09
ENSMUST00000018875.15	Acd11	chr10	+	10022.3	183403022	chr10:183403022-183403023	219.94	582.37	0.84	519.22	219.94	0.84	519.22	101.53	0.84	519.22	101.53	0.84	0.84	0.84	-0.16	1.93E-09	1.93E-09
ENSMUST00000034879.4	Hmg20a	chr2	+	1780.4	5644884	chr2:5644884-56449630	162.16	35.62	0.9	177.5	31.41	0.85	212.33	0	1	220.67	4.36	0.98	0.835	0.99	-0.16	2.47E-09	2.32E-08
ENSMUST0000001853.11	Net1	chr13	+	851.8	3889393	chr13:38893338-38894473	177.46	38.09	0.82	180.45	37.62	0.83	203.09	0	1	230.09	0	1	0.825	0.98	-0.16	9.96E-09	8.44E-08
ENSMUST00000020636.9	Gtse2	chr13	+	338.2	51157346	chr13:51156921-51157346	371.98	234.98	0.46	371.98	234.98	0.46	371.98	234.98	0.46	371.98	234.98	0.46	0.46	0.46	-0.16	7.05E-08	6.07E-07
ENSMUST00000056228.7	Spissa	chr12	+	3288.6	54466328	chr12:54465392-54466358	321.12	269.38	0.54	383.56	284.73	0.54	437.11	137.17	0.76	428.25	217.85	0.66	0.555	0.66	-0.16	5.41E-08	4.39E-07
ENSMUST00000018337.8	Cod37	chr2	+	1806.975	104607957	chr2:104607957-104608557	20.81	256.48	0.08	65.59	256.48	0.08	65.59	214.9	0.23	67.							

ENSMUST0000028617.6	Api5	chr2	-	130122	94413379	chr2:94411682-94413781	415.83	448.97	0.48	423.03	359.09	0.54	688.8	382.13	0.64	728.04	458.8	0.68	0.51	0.66	-0.15	3.73E-11	4.01E-10	
ENSMUST0000079012.12	DB_Mrz	chr6	+	2116	11640267	chr6:11640025-11640954	174.27	29.85	0.85	182.94	36	0.84	197.83	1.27	0.99	203.71	0	1	0.845	0.995	-0.15	1.7E-10	1.76E-09	
ENSMUST0000089712.8	Typ522	chr2	-	14829	181515374	chr2:181515080-181516256	153.57	54.12	0.72	158.03	574.42	0.67	153.37	291.19	0.37	203.29	503.91	0.37	0.72	0.37	-0.15	3.1E-10	3.15E-09	
ENSMUST0000044564.14	Foxj3	chr4	+	1710.9	11962664	chr4:119626289-119629119	119.11	24.16	0.83	134.82	119.95	0.87	157.07	0	1	172.07	0	1	0.85	1.0	-0.15	3.09E-08	2.55E-07	
ENSMUST0000124745.7	Dad1	chr8	+	71474854	chr8:71474488-714767019	265.71	27.57	0.47	487.2	307.62	0.88	321.08	0.51	0.91	369.46	330.8	0.53	0.37	0.52	0.07	-0.15	7.02E-08	5.64E-07	
ENSMUST0000146281.1	Siv3	chr7	+	5423.9	24168162	chr7:10241628-24192222	30.45	287.9	0.1	30.5	303.12	0.1	30.5	303.12	0.25	83.89	265.99	0.24	0.085	0.245	-0.15	1.31E-07	1.02E-06	
ENSMUST0000008984.4	Armc3	chr19	+	24173.3	134728979	chr19:134728844-134741645	92.83	199.8	0.19	92.83	199.8	0.19	92.83	199.8	0.36	199.8	0.36	0.20	0.66	0.36	-0.15	0.20E-06	3.00E-06	
ENSMUST0000100240.3	Lox2	chr14	+	631.8	6969241	chr14:6969340-6969368	124.39	8.61	0.24	123.6	8.61	0.24	123.6	8.61	0	100.36	0	1	0.25	1.0	-0.15	1.69E-06	1.15E-05	
ENSMUST0000082099.6	Yaf2	chr15	-	2895	93284978	chr15:93284779-93285622	91.76	292.49	0.84	91.76	292.49	0.84	91.76	292.49	0.43	126.81	221.14	0.36	0.245	0.395	-0.15	1.14E-05	6.91E-05	
ENSMUST0000128667.7	Gem14418	chr2	-	741.5	17136790	chr2:171367124-171388909	68.98	18.83	0.78	68.98	18.83	0.78	68.98	18.83	0	18.83	0	1	0.85	0.85	-0.15	0.00106297	0.00106297	
ENSMUST0000112940.7	Pdd	chr2	-	1628.3	37351651	chr2:37350588-37352382	191.49	19.92	0.96	191.49	19.92	0.96	191.49	19.92	0.65	220.7	256.9	0.39	0.87	0.675	-0.15	2.2E-05	0.00012357	
ENSMUST0000146281.1	Igfb3bp	chr4	-	736.2	99767375	chr4:99766402-99767676	3.63	129.51	0.03	3.63	129.51	0.03	3.63	129.51	0.02	19.29	92.88	0.17	19.29	0.875	-0.15	2.36E-05	0.00013567	
ENSMUST0000138077.2	Nst1	chr2	-	72.2	38138541	chr2:38138541-38138541	15.66	66.77	0.1	15.66	66.77	0.1	15.66	66.77	0	15.66	0	1	0.95	0.95	-0.15	0.001751919	0.001751919	
ENSMUST0000054418.11	Rtm4p1	chr10	+	493.4	4394670	chr10:4394642-43947862	89.72	25.59	0.78	95.86	12.95	0.98	99.74	4.5	0.96	126.83	0	1	0.83	0.98	-0.15	4.70E-05	0.000256643	
ENSMUST0000048993.11	Poi3g	chr13	+	1140.1	81675902	chr13:81673843-81676122	182.54	197.92	0.56	194.45	154.64	0.56	194.45	99.25	0.66	207.09	97.54	0.68	0.52	0.68	-0.15	5.21E-05	0.000282021	
ENSMUST0000030189.13	Gba2	chr4	+	114	43567266	chr4:43567069-43567467	106.49	35.65	0.67	135.1	29.26	0.82	141.16	10.12	0.93	153.11	9.3	0.94	0.785	0.935	-0.15	8.31E-05	0.000436971	
ENSMUST000007398.12	Mtm4	chr1	-	493.6	132991758	chr1:132991584-132992225	146.65	54.74	0.73	144.24	54.74	0.73	144.24	54.74	0.72	216.11	7.06	0.97	178.41	46.97	0.78	0.025	0.000128874	0.000655046
ENSMUST0000045245.9	Tarkh	chr3	+	911.1	9443120	chr3:94430560-944311491	58.34	7.82	0.88	54.34	7.82	0.88	54.34	7.82	0	83.39	0	1	0.85	1.0	-0.15	0.00044595	0.00210879	
ENSMUST0000007875.5	Rbp1	chr2	-	4172.7	14398968	chr2:143989683-143989619	121.93	146.96	0.45	110.72	202.25	0.35	155	119.13	0.57	144	128.03	0.53	0.4	0.55	-0.15	0.00052765	0.00234822	
ENSMUST0000059644.72	Rbp2	chr15	-	1490	28415983	chr15:28415983-28412319	57.35	166.26	0.27	116.28	166.26	0.27	116.28	166.26	0.42	153.55	162.21	0.39	0.255	0.405	-0.15	0.000569935	0.002530685	
ENSMUST0000115781.9	Apc	chr3	+	3305.7	34319323	chr3:34312005-34322189	39.01	170.36	0.19	41.02	160.79	0.2	82.37	125.85	0.4	60.45	147.34	0.29	0.195	0.345	-0.15	0.00083784	0.00580775	
ENSMUST0000199944.2	Lg2	chr5	-	114.6	52537957	chr5:52533511-52538780	6.9	83.13	0.08	6.05	100.9	0.06	24.18	85.5	0.22	28.85	93.74	0.22	0.07	0.22	-0.15	0.001492458	0.006032615	
ENSMUST0000008098.2	Sic5a5	chr6	-	417	70883767	chr6:70882888-70883566	60.39	8.49	0.63	60.39	8.49	0.63	60.39	8.49	0.24	29.37	0.84	120.21	46.8	0.72	0.63	-0.15	0.001460935	0.007232467
ENSMUST0000159976.7	Kirel	chr3	-	550.7	87083340	chr3:87078593-87083620	81.43	98.59	0.45	86.9	83.25	0.51	129.34	59.88	0.68	105.66	76.98	0.58	0.48	0.58	-0.15	0.00029853	0.014512566	
ENSMUST0000119958.4	Pctf11	chr7	-	737	92644452	chr7:92643783-92644777	37.94	98.54	0.26	44.85	120.77	0.26	44.85	120.77	0.47	62.02	60.63	0.37	0.27	0.42	-0.15	0.00539446	0.018589221	
ENSMUST0000102637.3	Sest1	chr2	-	270.2	77196777	chr2:77196555-77197260	98.21	98.21	0.6	98.21	98.21	0.6	98.21	98.21	0.32	107.67	100.33	0.69	0.50	0.69	-0.15	0.00164826	0.021914407	
ENSMUST0000049569.10	Nlsc	chr1	-	244.3	132569365	chr1:132564960-132570651	38.56	61.23	0.26	61.23	102.42	0.26	61.23	88.66	0.43	58.95	75.93	0.43	0.225	0.43	-0.15	0.008730509	0.028750314	
ENSMUST0000006794.75	Rox1	chr18	-	324.1	10065352	chr18:10064401-10069051	79.13	37.07	0.68	82.42	61.25	0.57	96.02	22.76	0.81	99.08	38.03	0.74	0.625	0.775	-0.15	0.00276242	0.003429179	
ENSMUST0000053813.3	Ptpn22	chr19	-	271.5	46214500	chr19:46214500-46214703	56.17	24.34	0.68	56.17	24.34	0.68	56.17	24.34	0.78	62.78	29.68	0.78	0.21	0.68	-0.15	0.00969515	0.00969515	
ENSMUST000002825.13	Dpdc1a	chr3	+	286.5	159529320	chr3:159529005-159529576	63.13	36.66	0.63	72.52	62.32	0.54	106.14	23.95	0.82	83.17	44.59	0.65	0.585	0.735	-0.15	0.01055048	0.03379732	
ENSMUST0000088004.12	Pcx	chr19	+	356.5	4621448	chr19:4621040-4621752	64.8	60.28	0.52	103.33	35.35	0.75	97.17	26.68	0.78	92.05	24.26	0.79	0.655	0.785	-0.15	0.011708396	0.036971307	
ENSMUST0000074515.10	Rm	chr11	-	410.4	82806167	chr11:8280474-82808189	29.85	51.37	0.33	34.12	68.87	0.33	54.68	57.87	0.47	67.64	64.78	0.51	0.35	0.5	-0.15	0.025220829	0.071350163	
ENSMUST0000093915.1	R8	chr14	-	410.4	82806167	chr14:82806424-82809186	34.12	51.37	0.49	34.12	51.37	0.49	34.12	51.37	0.43	54.68	57.87	0.47	0.35	0.5	-0.15	0.025220829	0.071350163	
ENSMUST0000109929.2	Gm14139	chr2	+	205.6	150192159	chr2:150191856-150193152	50.47	50.47	0.46	50.47	50.47	0.46	50.47	50.47	0.29	59.17	68.21	0.59	0.65	0.65	-0.15	0.039004092	0.084669979	
ENSMUST0000028735.7	Jag1	chr2	-	235.9	137027220	chr2:137081456-137083481	54.82	52.27	0.7	71.76	70.79	0.7	75.48	27.93	0.73	71.18	20.65	0.78	0.605	0.755	-0.15	0.03484947	0.092873184	
ENSMUST0000102637.3	H3f3b	chr1	-	131.5	123891172	chr1:123891172-123899125	42.95	42.95	0.24	42.95	42.95	0.24	42.95	42.95	0.11	52.21	60.21	0.11	0.245	0.245	-0.15	0.001891232	0.006546545	
ENSMUST000016703.3	H3f3b	chr1	-	1508083.5	11602310	chr1:11602191-11602353	1079.21	1176.70	0.21	1176.70	4224.23	0.21	2668.12	4789.5	0.36	2802.81	5184.34	0.35	2.021	3.555	-0.15	0.0004296	0.0025667	
ENSMUST000004911.2	Strap2	chr6	+	23707.3	173750998	chr6:173750051-173751932	287.78	2760.98	0.29	286.01	2830.66	0.29	655.02	1960.29	0.25	602.88	2184.73	0.26	0.699	0.235	-0.15	3.37E-04	1.98E-04	
ENSMUST0000102637.3	Ubp3	chr3	+	33383.4	133465778	chr3:1334565195-133465658	108.19	540.54	0.67	123.39	476.72	0.72	214.84	189.7	0.87	169.7	441.72	0.81	0.895	0.895	-0.15	1.35E-25	1.89E-25	
ENSMUST000007628.3	Ten	chr1	+	2429.7	118394718	chr1:118394718-118397107	68.55	138.62	0.61	118394718	138.62	0.61	118394718	138.62	0.21	120.21	134.16	0.21	0.205	0.205	-0.15	1.87E-20	1.87E-20	
ENSMUST0000108876.8	Yhd1f	chr19	-	735.16	180905427	chr19:180905370-180905688	99.67	74.95	0.48	415.56	84.93	0.83	573.7	0	1	607.58	22.93	0.96	0.835	0.96	-0.15	7.01E-19	1.29E-17	
ENSMUST0000049569.10	Gm14139	chr2	+	18557.7	43500324	chr2:43499752-43500557	696.26	74.95	0.48	415.56	84.93	0.83	573.7	0	1	607.58	22.93	0.96	0.835	0.96	-0.15	7.01E-19	1.29E-17	
ENSMUST0000049569.10	Saah3	chr14	+	454.9	131571088	chr14:13157055-131571892	68.54	98.24	0.54	68.54	98.24	0.54	68.54	98.24	0.63	100.39	59.82	0.63	0.485	0.63	-0.15	3.63E-14	5.03E-13	
ENSMUST000004475.4	Ogt	chrX	+	6431.4	10162967	chrX:10162156-10163451	471.88	176.34	0.76	534.02	165.33	0.76	732.25	100.21	0.88	713.24	76.6	0.9	0.745	0.89	-0.15	4.42E-13	5.61E-12	
ENSMUST0000165576.7	Fam3c	chr6	-	958.2	2230806	chr6:22306520-22308338	72.03	67.03	0.09	89.64	83.14	0.09	131.23	427.97	0.23	111.38	32.21	0.25	0.095	0.24	-0.15	7.70E-13	9.59E-12	
ENSMUST0000048807.11	Ubp3	chr11	-	1760.1	71025460	chr11:71025460-71027371	41.1	23.12	0.1	41.1	23.12	0.1	41.1	23.12	0	41.1	0	1	0.25	0.25	-0.15	0.0751E-12	0.0751E-11	
ENSMUST0000046875.13	Uggt1																							

ENSMUST0000040682.5	Nudt19	chr7	-	793.6	35547904	chr7:35547185-35548123	156.23	92.96	0.63	185.52	123.74	0.6	244.57	70.38	0.78	246.41	98.83	0.71	0.615	0.745	-0.13	0.00046879	0.002109482		
ENSMUST0000041168.1	Gm16156	chr8	+	5366.8	105949308	chr8:105943303-105949364	104.8	18.42	0.85	103.63	19.5	0.8	126.15	0	1	114.81	6.24	0.95	0.845	0.975	-0.13	0.00049252	0.002237386		
ENSMUST0000040583.6	Hearts	chr12	+	319.5	51876526	chr12:51875815-51877616	105.76	0	0	105.76	21	0.17	105.76	0	0	152.61	19.07	0.89	0.815	0.945	-0.13	0.00055807	0.002428265		
ENSMUST0000028295.8	Dniz	chr2	+	110.7	26350337	chr2:26348237-26350558	40.57	22.04	1.6	40.57	230.51	0.22	230.51	168.49	0.26	73.9	161.56	0.31	0.155	0.285	-0.13	0.00062756	0.002575606		
ENSMUST0000034147.3	Zp3c30	chr8	-	3208.9	82764043	chr8:82763821-82784491	156.95	178.64	0.64	156.95	212.97	0.44	204.45	144.75	0.59	243.06	177.83	0.58	0.455	0.585	-0.13	0.00070259	0.003050862		
ENSMUST0000020224.14	Gpvcv1	chr2	+	1580.7	34677799	chr2:34676885-34678177	182.96	137.16	0.57	182.96	107.54	0.47	192.42	78.69	0.71	222.47	57.03	0.8	0.625	0.765	-0.13	0.00098844	0.007470285		
ENSMUST0000027826.5	Arhgap5	chr2	+	1035.9	52566890	chr2:52567011-52568935	109.29	121.82	0.7	109.29	199.89	0.17	199.89	102.84	0.6	201.79	67.84	0.73	0.48	0.625	-0.13	0.00092306	0.003541544		
ENSMUST0000017491.8	Gm17491	chr8	+	147.2	22483043	chr8:22482786-22483332	159.2	18	0.9	152.7	54.23	0.23	54.23	12.95	0.9	98.51	0	1	0.82	0.91	-0.13	0.000911385	0.003868171		
ENSMUST0000009559.9	Cel2r2	chr3	+	477.1	106391505	chr3:106390581-106392688	110.34	0	1	83.14	51.08	0.62	121.93	15.36	0.89	116.66	0.9	0.99	0.81	0.94	-0.13	0.001208843	0.004969635		
ENSMUST0000035373.5	Trim10	chr4	+	71.6	16871678	chr4:16871678-16871678	196.38	0	0	196.38	0.00	0.27	196.38	166.1	0.45	153.12	19.07	0.89	0.81	0.94	-0.13	0.00146725	0.004696166		
ENSMUST0000026665.7	Nbx2	chr11	-	37.94	119082100	chr11:119081865-119082101	29.85	20.19	0.99	37.66	13.77	0.73	46.2	0.95	0.98	71.09	0	1	0.86	0.99	-0.13	0.001347622	0.005051554		
ENSMUST00000168536.7	Nsc2	chr19	+	563.3	46888799	chr19:46888781-46889051	68.38	154.23	0.11	68.38	148.37	0.09	163.3	46.2	0.62	120.32	33.59	116.24	0.23	0.1	-0.13	0.001898844	0.007407285		
ENSMUST0000013102.2	Atg16l1	chr8	+	1407	87192086	chr8:87192086-87192086	146.33	158.71	0.6	146.33	158.71	0.6	158.71	158.71	0.74	158.71	158.71	0.74	0.81	0.88	-0.13	0.001923036	0.007407285		
ENSMUST0000041112.1	AJU22252	chr4	+	393.3	119226272	chr4:119224815-119226257	44.64	169.31	0.21	44.64	169.31	0.21	38.11	167.65	0.19	68.89	148.82	0.32	73.85	146.25	0.34	0.2	-0.13	0.002892306	0.010776051
ENSMUST00000115242.8	Ahcy2	chr2	+	253.4	29090968	chr2:29090940-290912023	53.97	0	1	46.77	21.45	0.69	85.06	0	1	91.46	4.91	0.95	0.845	0.845	-0.13	0.00326799	0.010776051		
ENSMUST0000010295.8	Ahcy2	chr2	+	253.4	29090968	chr2:29090940-290912023	53.97	0	1	46.77	21.45	0.69	85.06	0	1	91.46	4.91	0.95	0.845	0.845	-0.13	0.00326799	0.010776051		
ENSMUST0000008268.7	Itsn2	chr12	+	141.4	4713359	chr12:47133040-47133670	116.65	33.88	0.77	116.65	26.89	0.81	112.83	9.95	0.92	103.3	8.92	0.92	0.79	0.92	-0.13	0.00474085	0.01796215		
ENSMUST00000020311.1	Itsn2	chr12	+	141.4	4713359	chr12:47133040-47133670	116.65	33.88	0.77	116.65	26.89	0.81	112.83	9.95	0.92	103.3	8.92	0.92	0.79	0.92	-0.13	0.00474085	0.01796215		
ENSMUST0000001589.5	Tob1	chr1	+	662.8	94214316	chr1:94213486-94215496	87.74	33.15	0.75	87.74	25.28	0.79	86.88	0	1	70.19	19.54	0.78	0.76	0.89	-0.13	0.011370339	0.036083746		
ENSMUST00000029511.7	Gato3	chr8	+	1658.9	13298246	chr8:132981732-132983219	72.08	86.62	0.46	72.08	53.67	0.46	116.81	71.98	0.56	133.15	91.91	0.59	0.465	0.595	-0.13	0.025843391	0.050273212		
ENSMUST0000034427.11	Adat1	chr11	-	711.7	111968194	chr11:111969698-111968544	84.08	79.52	0.51	84.08	165.01	0.55	165.01	120.73	0.58	181.47	62.49	0.74	0.53	0.66	-0.13	0.017083885	0.051074933		
ENSMUST00000118592.7	Coc1c186	chr19	+	316.8	56789768	chr19:56787481-56791046	65.09	25.46	0.72	65.09	21.25	0.76	111.53	11.08	0.91	108.18	22.05	0.83	0.77	0.87	-0.13	0.019232519	0.056681206		
ENSMUST0000000452.74	Cme1l	chr4	+	660.4	56811569	chr4:56810555-56812326	103.19	106.76	0.44	103.19	106.76	0.34	103.35	81.35	0.56	84.14	92.52	0.48	0.39	0.52	-0.13	0.019830134	0.058208674		
ENSMUST00000180752.1	Gm16973	chr14	+	71.5	56697837	chr14:56697430-56698038	67.92	93.22	0.66	71.5	114.28	0.86	57.79	2.66	0.94	77.79	3.65	0.94	0.74	0.77	-0.13	0.021833509	0.053076334		
ENSMUST00000180682.1	Gm16973	chr14	+	71.5	56697837	chr14:56697430-56698038	67.92	93.22	0.66	71.5	114.28	0.86	57.79	2.66	0.94	77.79	3.65	0.94	0.77	0.77	-0.13	0.021833509	0.053076334		
ENSMUST00000107973.2	Dnag5	chr4	+	687.1	42957548	chr4:42957318-42958723	87.44	37.55	0.58	80.57	57.21	0.67	109.75	20.62	0.84	119.78	5.66	0.94	0.77	0.77	-0.13	0.022663832	0.07233598		
ENSMUST0000000986.10	Scmp6	chr4	+	320.5	145857001	chr4:145856738-145858902	24.75	91.95	0.17	24.75	118.7	0.35	29.16	63.5	0.31	32.2	10.75	0.7	0.7	0.7	-0.13	0.025843391	0.07233598		
ENSMUST00000169611.2	Mut	chr17	+	1125.8	40960868	chr17:40960568-40961989	53.92	75.71	0.4	53.92	75.71	0.4	88.49	74.26	0.54	80.41	68.56	0.54	0.41	0.54	-0.13	0.033431411	0.090485493		
ENSMUST00000179865.7	Cant	chr11	-	597222.6	50295084	chr11:50293981-50295335	72.78	3023.09	0.19	857.08	3425.2	0.2	3425.2	2726.54	0.34	1088.97	2465.89	0.3	0.195	0.32	-0.125	1.65E-35	5.99E-34		
ENSMUST0000000452.74	Tcp2a1	chr2	+	228375.3	100773263	chr2:100773263-100774025	103.28	103.28	0.2	103.28	2050.75	0.26	2050.75	2050.75	0.26	2050.75	2050.75	0.26	0.31	0.31	-0.125	1.65E-35	5.99E-34		
ENSMUST00000164120.7	Tcp2b	chr2	+	18582	15285934	chr2:152858584-15285931	68.87	71.99	0.66	68.87	106.38	0.06	189.23	848.41	0.18	189.43	782.07	0.19	0.06	0.185	-0.125	1.33E-18	2.42E-17		
ENSMUST00000095835.8	Sumo3	chr10	+	11806	77618350	chr10:77618148-77617422	889.78	307.02	0.73	1238.97	339.31	0.73	1248.97	240.13	0.78	1248.97	182.67	0.88	0.736	0.88	-0.125	5.81E-15	8.56E-14		
ENSMUST00000085248.11	Morf4l1	chr19	+	193851	90091955	chr19:90091665-90092402	628.11	1042.68	0.38	665.55	1173.84	0.36	960.8	1038.44	0.49	1110.63	1124.92	0.5	0.37	0.495	-0.125	1.52E-14	2.18E-13		
ENSMUST00000009919.1	Thpp1	chr9	+	29250	129165187	chr9:129164082-129165617	969.84	70.8	0.4	969.84	70.8	0.4	742.72	969.84	0.4	969.84	969.84	0.4	0.4	0.4	-0.125	1.52E-12	2.18E-13		
ENSMUST0000006188.13	Ppp1f2	chr10	+	12443.7	31254089	chr10:31251537-31254733	52.83	58.08	0.08	52.83	594.07	0.08	137.56	554.97	0.2	103.56	0.205	0.18	0.205	0.18	-0.125	5.00E-11	5.32E-10		
ENSMUST00000193265.5	Naa15	chr3	+	335.2	51473950	chr3:51472600-51476507	34.32	462.3	0.07	34.32	462.3	0.07	486.79	407.56	0.21	106.62	451.94	0.19	0.075	0.19	-0.125	5.51E-09	4.99E-08		
ENSMUST00000173882.12	Soc2b	chr3	+	5022.8	152273649	chr3:152273649-152276853	226.4	40.43	0.69	226.4	40.43	0.69	226.4	40.43	0.69	226.4	40.43	0.69	0.69	0.69	-0.125	5.51E-09	4.99E-08		
ENSMUST00000046687.8	Rap1b	chr10	+	39595.2	11781467	chr10:117813817-117815780	62.79	437.51	0.12	150.19	524.82	0.22	183.43	514.44	0.26	110.75	5.12E-08	0.26	110.75	5.12E-08	-0.125	5.51E-09	4.99E-08		
ENSMUST00000147912.1	D8_Sep	chr11	+	578.8	53541683	chr11:53541475-53541847	320.73	70.34	0.73	314.07	63.95	0.83	354.76	40.39	0.9	369.3	0	1	0.825	0.95	-0.125	8.92E-07	7.56E-06		
ENSMUST00000045873.3	Dlat	chr10	+	5063910	5063910	chr9:50639053-50639554	36.14	31.74	0.06	36.14	31.74	0.06	36.14	31.74	0.19	36.14	31.74	0.19	0.06	0.19	-0.125	5.71E-07	3.74E-06		
ENSMUST00000100804.0	26105540RfRk	chr5	+	9423.8	114822403	chr5:114822403-114822725	283.2	612.76	0.55	283.2	612.76	0.55	389.83	57.47	0.65	277.83	288.05	0.55	0.65	0.65	-0.125	5.85E-05	1.80E-05		
ENSMUST0000028580.11	Cdc3c4	chr3	+	2418.9	110044505	chr3:110044481-110045316	26.57	27.71	0.9	26.57	302.28	0.98	52.67	232.01	0.19	72.87	238.79	0.23	0.085	0.23	-0.125	5.07E-06	3.23E-05		
ENSMUST0000000986.10	Scd5	chr4	+	1231	10597070	chr4:105968084-105971026	75.18	19.8	0.88	75.18	16.64	0.85	187.9	0	1	159.75	2.64	0.98	0.865	0.99	-0.125	1.07E-05	6.50E-05		
ENSMUST0000009889.8	Ubp1	chr18	+	1214.2	93859887	chr18:93859887-9386086	184.1	184.1	0.1	184.1	184.1	0.1	184.1	184.1	0.1	184.1	184.1	0.1	0.1	0.1	-0.125	1.07E-05	6.50E-05		
ENSMUST00000097680.5	Rab18	chr18	+	3922.6	6788810	chr18:6788480-6790231	281.68	260.02	0.52	281.68	343.87	0.45	311.79	231.25	0.57	383.8	210.05	0.65	0.485	0.65	-0.125	1.62E-05	9.03E-05		
ENSMUST00000082725.14	Scd5	chr4	+	3542.9	10242975	chr4:10242955-10243978	66.4	61.4	0.14	66.4	44.54	0.14	80.4	234.51	0										

ENSMUST0000000006.11	Igb1	chr8	+	32642.4	128732799	chr8:128732023-128733200	1096.77	624.5	0.64	1330.48	703.87	0.65	1365.7	487.51	0.74	1222.97	357.92	0.77	0.645	0.755	-0.11	1.66E-12	1.88E-11
ENSMUST00000076219.4	Pum3	chr9	-	3992.2	27390112	chr9:27388702-27390313	26.38	649.58	0.84	31.91	633.85	0.05	92.35	544.88	0.14	105.76	507.31	0.17	0.045	0.155	-0.11	4.08E-12	4.78E-11
ENSMUST00000028117.3	Yme1l	chr2	+	12780.9	23197251	chr2:2318888-23199260	43.84	57.3	0.63	57.3	643.63	0.07	647.66	13.07	0.17	142.89	639.41	0.18	0.06	0.175	-0.11	1.84E-11	2.04E-10
ENSMUST0000001146.11	Ragef1	chr2	+	1335.3	29738140	chr2:29737920-29740363	238.42	32.7	0.88	24.2	311.81	0	1	319.97	0	1	319.97	0	1	0.89	-0.11	4.09E-11	4.09E-11
ENSMUST0000017737.7	Rabep1	chr11	+	1160.4	70940779	chr11:70940382-70949400	279.93	0.4	0.87	0.9	35.14	0	0	340.63	0.06	0.99	0.885	0.995	0	0	-0.11	6.71E-10	6.85E-09
ENSMUST00000188846.1	Gm1050	chr1	+	367.8	93760554	chr1:93760286-93761572	214.57	23.2	0.7	20.8	81	0.88	206.9	0	1	271.64	0	0	0.885	0.995	-0.11	2.62E-09	2.62E-09
ENSMUST00000008733.8	Smn1l	chr8	+	3438.5	74567180	chr8:74567148-74567908	692.86	164	0.69	164	632.8	0.26	164	92.26	0.87	212.57	369.43	0.89	0.77	0.77	-0.11	4.76E-09	4.76E-09
ENSMUST0000022176.14	Hmgcr	chr3	+	47159.8	96648907	chr3:96648967-96650363	692.86	600.56	0.54	600.56	680.46	0.54	600.56	304.31	0.7	511.28	337.79	0.6	0.54	0.65	-0.11	7.9E-08	1.53E-07
ENSMUST00000110879.1	Ge4	chr5	+	20723.3	135029186	chr5:135028986-135029329	629.29	430.03	0.59	430.03	410.37	0.62	722.5	307.89	0.7	715.7	369.03	0.73	0.605	0.715	-0.11	2.82E-07	1.96E-06
ENSMUST00000176689.11	LZMSP	chr12	+	194.12	65481055	chr12:65480966-65481545	692.86	194.12	0.47	194.12	654.81	0.47	194.12	692.86	0.47	194.12	692.86	0.47	0.6	0.6	-0.11	6.48E-07	6.48E-07
ENSMUST0000017090.5	Kcd5	chr7	+	2593.1	24049022	chr7:24047734-24049444	319.88	374.65	0.81	374.65	100.04	0.79	399.01	41.01	0.91	427.59	44.2	0.91	0.8	0.91	-0.11	6.11E-06	3.85E-05
ENSMUST00000114437.8	Pps2t1b	chr9	+	5140.7	50880174	chr9:5087839-50881431	456.66	31.72	0.59	40.9	435.5	0.57	469.17	200.19	0.71	498.48	240.17	0.67	0.58	0.69	-0.11	7.60E-06	4.73E-05
ENSMUST00000203511.2	Cst4	chr12	+	7117.2	72092029	chr12:72092029-72093724	429.78	429.78	0.14	429.78	429.78	0.14	429.78	429.78	0.14	429.78	429.78	0.14	0.25	0.25	-0.11	6.52E-05	6.52E-05
ENSMUST0000040844.15	Ankrd27	chr7	+	1265.9	35638445	chr7:35638014-35639226	234.25	51.65	0.62	269.34	47.93	0.85	318	10.12	0.97	303.35	27.46	0.92	0.835	0.945	-0.11	1.37E-05	8.22E-05
ENSMUST0000103026.9	Sec14f1	chr11	+	211.6	117154070	chr11:11715259-117157559	2108.08	203.55	0.9	203.55	37.73	0.7	487	185.76	0	214.58	8.29	0.96	0.87	0.88	-0.11	1.91E-05	0.00011388
ENSMUST0000018569.13	Dhxd40	chr11	+	2163.9	86789822	chr11:86788446-86777281	32.05	330.58	0.09	30.22	348.08	0.08	73.73	271.66	0.21	62.42	288.73	0.18	0.085	0.195	-0.11	1.98E-05	0.000113697
ENSMUST00000146965.1	Arh4	chr12	+	768.9	40033983	chr12:40033291-40033633	18.1	210.89	0.04	18.1	240.34	0.03	149	0.16	0.16	23.77	173.27	0.13	0.035	0.05	-0.11	2.14E-05	0.00012403
ENSMUST00000208013.5	Maoa	chrX	+	706.3	16685536	chrX:16685232-16687818	13.2	291.5	0.04	13.2	287.36	0.04	38.11	228.48	0.14	39.52	212.03	0.16	0.04	0.05	-0.11	2.43E-05	0.000138891
ENSMUST0000099443.10	Zlyae27	chr19	+	781.7	42190584	chr19:42190384-42191717	168.4	3.79	0.98	181.75	65.94	0.73	196.71	15.48	0.93	166.65	0	1	0.855	0.965	-0.11	2.58E-05	0.000146708
ENSMUST00000132657.1	Aebp2	chr16	+	5892.9	140651501	chr16:140651316-140652026	144.68	338.39	0.66	338.39	176.32	0.66	119.32	476.35	0.18	476.35	132.62	0.78	0.58	0.79	-0.11	3.46E-05	0.000193495
ENSMUST0000072187.11	Kifrc	chr19	+	6437.6	70729086	chr19:70728202-70730424	66.99	385.69	0.15	81.77	112.37	0.17	112.37	322.97	0.26	134.37	339.26	0.28	0.16	0.16	-0.11	3.89E-05	0.000215854
ENSMUST0000028336.6	Arrip6	chr2	+	12781.3	53218180	chr2:53217295-53219220	72.26	435.11	0.14	89.19	452.8	0.16	125.53	381.57	0.25	119.82	327.83	0.27	0.15	0.26	-0.11	5.49E-05	0.000296808
ENSMUST0000085726.12	Cuif1	chr2	+	53023.2	91013439	chr2:91013238-91014997	349.3	311.07	0.53	359.25	304.91	0.54	403.95	206.77	0.66	432.21	258.14	0.63	0.535	0.645	-0.11	8.43E-05	0.000422967
ENSMUST00000106507.50	N5c	chr11	+	3596.9	115405067	chr11:1154050467-11540769	170.43	36.59	0.89	237.08	17.07	0.89	237.08	7.58	0.97	240.06	12.87	0.95	0.85	0.96	-0.11	8.47E-05	0.00044337
ENSMUST0000018005.9	Myb2	chr2	+	2520.7	16308362	chr2:163083166-163084688	83.17	90.62	0.82	404.2	10.6	0.18	136.55	337.99	0.18	136.55	337.99	0.18	0.175	0.285	-0.11	0.00031967	0.000669701
ENSMUST0000010277.1	Bpnt1	chr1	+	590.9	185358679	chr1:185358478-185356781	297.21	33.29	0.83	238.15	59.2	0.8	256.3	34.2	0.88	272.14	36.8	0.97	0.815	0.925	-0.11	0.00031967	0.000669701
ENSMUST00000132657.1	Sp7	chr2	+	4436.9	76998165	chr2:769981192-76999937	265.71	212.66	0.52	277.78	267.9	0.5	304.84	213.51	0.65	385.62	235.7	0.62	0.525	0.625	-0.11	0.000262548	0.00125789
ENSMUST00000105267.7	Cno2	chr10	+	3960.9	116485912	chr10:116485186-116488286	248.49	288.07	0.46	296.96	262.8	0.53	303.87	230.52	0.58	338.88	198.18	0.63	0.495	0.605	-0.11	0.000379392	0.00175197
ENSMUST00000299402.10	Pmp3	chr12	+	28323.8	67233828	chr12:67233828-67233888	329.39	191.89	0.62	337.22	191.89	0.62	337.22	191.89	0.62	337.22	191.89	0.62	0.62	0.62	-0.11	6.30E-05	6.30E-05
ENSMUST0000026073.12	Tnab1	chr19	+	559.3	57488810	chr19:57488009-57491005	15.3	180.84	0.08	14.8	184.21	0.07	4.3	208.69	0.17	45.48	183.08	0.21	0.075	0.185	-0.11	0.00059369	0.00256952
ENSMUST0000057481.6	Nup160	chr2	+	1288.6	90735822	chr2:90735415-90736328	254.32	137.43	0.65	147.35	186.92	0.57	260.05	99.25	0.72	268.89	103.41	0.72	0.61	0.71	-0.11	0.00081978	0.003507195
ENSMUST0000013535.8	Fig11	chr5	+	5145.6	74596040	chr5:74595838-74596145	223.23	188.61	0.54	268.69	151.47	0.64	313.13	136.02	0.7	328.63	141.66	0.71	0.59	0.71	-0.11	0.00086477	0.00368549
ENSMUST0000020707.4	Zfp699	chr12	+	233.6	65296422	chr12:65296422-65297955	69.26	14.71	0.9	65.29	14.71	0.9	65.29	14.71	0.9	65.29	14.71	0.9	0.9	0.9	-0.11	0.00092639	0.00372917
ENSMUST00000163048.7	Krr1	chr10	+	1398.9	111984801	chr10:111984539-111985448	248.78	151.42	0.66	248.78	151.42	0.66	248.78	151.42	0.66	248.78	151.42	0.66	0.59	0.59	-0.11	0.000937495	0.003964221
ENSMUST0000011581.72	Tpaz2	chr18	+	759.8	25138664	chr18:25138607-25139139	29.39	271.88	0.13	29.58	223.88	0.12	52.49	47.6	0.26	47.57	174.67	0.21	0.125	0.265	-0.11	0.001198687	0.004948887
ENSMUST0000020171.15	Strp2	chr12	+	4288.1	16253122	chr12:16253122-162534580	157.96	143.43	0.67	167.9	173.49	0.67	167.9	173.49	0.67	167.9	173.49	0.67	0.67	0.67	-0.11	0.00120639	0.004948887
ENSMUST0000072186.11	Strp2	chr12	+	4288.1	37583763	chr12:37583156-37584108	29.39	271.88	0.23	110.53	287.62	0.23	110.53	287.62	0.23	110.53	287.62	0.23	0.235	0.235	-0.11	0.001354821	0.0055267
ENSMUST0000020263.13	Ccdc127	chr3	+	2208.3	74357281	chr3:74356446-74359578	112.44	226.02	0.13	106.4	140.81	0.13	153.03	204.87	0.43	164.64	217.79	0.43	0.32	0.32	-0.11	0.001395803	0.011804784
ENSMUST00000229423.4	Sec22ap	chr1	+	426.6	128783714	chr1:128783428-128784506	9.65	10.8	0.06	18.71	11.26	0.06	18.71	11.26	0.06	18.71	11.26	0.06	0.06	0.06	-0.11	0.003629947	0.014024003
ENSMUST0000010707.12	Cnfr1	chr19	+	292.1	40946208	chr19:40946208-40948572	12.8	178.9	0.07	12.8	178.9	0.07	12.8	178.9	0.07	12.8	178.9	0.07	0	0	-0.11	2.37E-06	0.01329847
ENSMUST00000172405.7	Gnabp2	chr11	+	4798.6	84832808	chr11:84833281-84833213	71.66	155.63	0.18	196.22	13.2	0.27	133.39	206.1	0.39	125.67	170.82	0.42	0.295	0.405	-0.11	0.000445792	0.015884943
ENSMUST00000102927.9	Pdpk1	chr17	+	614.1	24078920	chr17:24073680-24079142	126.4	20.81	0.81	211.32	28.61	0.2	153.48	8.49	0.95	163.24	21.15	0.88	0.88	0.905	-0.11	0.004672202	0.016939347
ENSMUST0000020642.12	Pdzf1	chr19	+	1334.9	89398786	chr19:89398786-89398906	69.26	14.71	0.9	69.26	14.71	0.9	69.26	14.71	0.9	69.26	14.71	0.9	0.9	0.9	-0.11	0.004672202	0.016939347
ENSMUST0000026858.10	PK4	chr3	+	2709.7	40816529	chr3:40816513-40816883	130.32	146.1	0.14	166.03	186.59	0.14	166.03	186.59	0.14	166.03	186.59	0.14	0.545	0.545	-0.11	0.006118939	0.02111578
ENSMUST0000010919.15	Exocb2	chr6	+	206.1	84621272	chr6:84619487-84621511	71.35	0.96	0.99	62.62	16.17	0.79	66.65	0	1	71.15	0	1	0.89	0.9	-0.11	0.006515496	0.02231527
ENSMUST0000020642.12	Exocb2	chr6	+	206.1	24911702	chr6:24911702-24913681	53.24	180.69	0.14	180.69	112.55	0.14	180.69	112.55	0.14</								

ENSMUST0000133580.7	Aziz	chr9	+	700	118062224	chr9:118061714-118062739	112.25	128.65	0.47	140.94	68.74	0.67	174.48	78.54	0.69	174.2	89.06	0.66	0.57	0.675	-0.105	0.010809792	0.034138555	
ENSMUST0000004706.4	Tmfz1	chr7	+	771.6	43088079	chr7:4308774-43089186	69.94	29.28	0.7	87.83	0	1	101.29	0	1	92.29	18.7	0.67	0.91	0.85	0.955	-0.105	0.011564705	0.036605884
ENSMUST0000165033.1	Ep1	chr8	+	430.9	34862887	chr8:34862463-34864096	90.74	46.28	0.6	68.77	0	1	68.77	0	0	72.87	10.61	0.81	0.93	0.81	0.935	-0.105	0.01264464	0.032621333
ENSMUST0000196843.4	Ubpz1	chr3	-	1399.8	90000638	chr3:90000293-90000991	73.77	145.38	0.34	88.63	154.88	0.36	147.91	160.58	0.46	147.91	187.68	0.45	0.35	0.455	0.455	-0.105	0.013666263	0.04233157
ENSMUST0000016488.12	Pdp2	chr2	+	7294.9	181188448	chr2:181188182-181188771	14.01	122.49	0.12	19.28	152.97	0.12	29.33	119.03	0.2	32.06	108.07	0.23	0.11	0.11	0.115	-0.105	0.015671474	0.047520066
ENSMUST0000003370.12	Mcpf	chrX	+	260.3	74035722	chrX:74035287-74036474	111.70	56.67	0.67	130.25	20.29	0.67	127.34	9.89	0.93	127.34	26.59	0.57	0.82	0.75	0.875	-0.105	0.017100469	0.051155333
ENSMUST0000199623.4	Tpaw5	chr5	+	2295.3	138902164	chr5:138902164-138903674	100.75	60.76	0.16	207.6	92.74	0.16	207.6	92.74	0.16	160.23	96.29	0.74	0.65	0.65	0.65	-0.105	0.01740638	0.05026388
ENSMUST0000106265.8	Etkab14	chr4	+	322.1	115774077	chr4:115773838-115774435	127.03	88.23	0.12	172.84	40.14	0.14	210.7	24.27	0.86	128.81	42.76	0.75	0.7	0.805	0.805	-0.105	0.018000836	0.053515999
ENSMUST0000119033.7	Paq5	chr6	+	1304	86258540	chr6:86257949-86259722	96.69	88.03	0.79	97.56	40.08	0.71	151.02	32.71	0.87	186.44	54.93	0.77	0.715	0.715	-0.105	0.019156922	0.056568303	
ENSMUST0000124467.7	Ubpz2	chr3	+	345.7	159520792	chr3:159520792-159530981	141.78	151.89	0.24	167.24	151.89	0.24	167.24	151.89	0.24	160.23	360.97	0.77	0.61	0.61	0.61	-0.105	0.020232583	0.059530561
ENSMUST0000044464.12	Kmf6a	chrX	+	1139.8	18279233	chrX:18278626-18279938	28.38	138.19	0.17	31.94	159.01	0.17	42.83	132.04	0.24	51.8	118.03	0.21	0.17	0.275	0.17	-0.105	0.022030253	0.059530561
ENSMUST0000016499.2	Snr19	chr9	+	86.4	30465646	chr9:30464296-30466726	27.04	13.11	0.17	36.4	149.85	0.2	58.83	125.12	0.32	40.41	112.47	0.36	0.185	0.185	-0.105	0.022098267	0.06028216	
ENSMUST00000172435.7	Dhp3	chr2	+	1454.2	10381622	chr2:10381622-103818408	119.28	65.14	0.16	168.82	15.24	0.16	168.82	15.24	0.16	168.82	46.29	0.85	0.78	0.78	0.78	-0.105	0.026217909	0.06028216
ENSMUST0000017906.9	Tpaw	chr3	+	440.1	65553721	chr3:65553118-65555518	114.08	41.84	0.24	133.14	26.13	0.24	115.95	20.48	0.85	128.73	9.83	0.93	0.785	0.89	0.785	-0.105	0.026066111	0.073253505
ENSMUST00000172435.7	Fnd04	chr5	+	836.4	31293026	chr5:31292242-31293486	39.28	158.75	0.2	59.59	119.02	0.33	83.66	137.55	0.38	68.14	121.38	0.36	0.265	0.265	-0.105	0.028951205	0.081337574	
ENSMUST00000030849.12	Fam126a	chr2	+	314	23964899	chr2:23964899-23965358	87.87	35.87	0.71	94.23	14.01	0.87	116.17	14.91	0.99	115.09	13.35	0.9	0.79	0.895	0.895	-0.105	0.033999959	0.09126782
ENSMUST00000030849.12	Tmfz1	chr9	+	2390.1	111682051	chr9:111682051-111683902	108.08	90.77	0.54	108.08	74.48	0.61	133.2	57.11	0.7	140.62	70.87	0.68	0.675	0.675	-0.105	0.038774391	0.09819735	
ENSMUST0000047615.14	Smrca11	chr1	+	505.4	72633022	chr1:72632821-72633134	99.26	87.38	0.56	112.64	90.56	0.56	112.64	90.56	0.56	127.86	59.02	0.68	0.55	0.55	-0.105	0.038956715	0.098423712	
ENSMUST0000016366.2	Etkaf1	chr12	+	8058721	69667416	chr12:69666936-69667617	2585.84	7014.26	0.27	2976.33	7181.47	0.29	3456.93	5725.05	0.38	3795.84	6276.37	0.38	0.28	0.28	-0.1	1.81E+45	9.51E+44	
ENSMUST00001650174.1	Nct1	chr19	+	55108.2	46394245	chr19:46394043-46395529	122.49	142.49	0.06	318.4	2070.49	0.06	318.4	155.1	0.16	324.12	1901.32	0.15	0.06	0.06	-0.1	2.16E+22	4.93E+21	
ENSMUST0000028981.8	Mapre1	chr2	+	25321.5	153767226	chr2:153766874-153773310	76.05	196.63	0.05	196.63	105.48	0.05	196.63	111.54	0.15	203.89	112.94	0.15	0.05	0.05	-0.1	4.39E+21	9.49E+20	
ENSMUST00000170862.7	Csrk1a1	chr18	+	6929.3	61587627	chr18:61587426-61588182	800.72	200.67	0.8	800.69	163.37	0.83	1118.82	91.64	0.92	1106.95	109.24	0.91	0.815	0.815	-0.1	9.94E+13	1.22E+11	
ENSMUST00000169801.7	Rab1a	chr11	+	22196.3	20225125	chr11:20224649-20225404	1145.15	464.34	0.71	1208.31	446.79	0.73	1363.92	205.19	0.83	1385.24	318.26	0.81	0.72	0.72	-0.1	1.35E+11	1.50E+10	
ENSMUST0000002086.8	Nampt	chr2	+	27271.4	32851015	chr2:32850423-32853549	105.36	96.84	0.12	227.42	103.58	0.12	227.42	83.81	0.2	254.2	918.08	0.22	0.11	0.11	-0.1	7.28E+11	7.63E+10	
ENSMUST00000189961.6	Soat1	chr1	-	71915.9	15642901	chr1:156424525-15643115	108.13	100.42	0.1	127.41	1145.15	0.1	190.07	726.86	0.21	147.24	638.27	0.19	0.2	0.2	-0.1	2.60E+10	2.52E+09	
ENSMUST0000020937.1	Rab11bp1	chr8	+	703.1	27431983	chr8:27431028-27433794	22.72	16.67	0.92	126.33	27.33	0.88	269.05	0	1	301.22	0	1	0.9	0.9	-0.1	1.17E+08	1.03E+07	
ENSMUST000001650174.1	Tmfz1	chr9	+	1003.2	57253291	chr9:57253180-57254329	22.92	215.7	0.89	292.92	215.7	0.89	292.92	215.7	0.89	335.42	102.2	0.9	0.895	0.895	-0.1	1.19E+09	1.04E+07	
ENSMUST00000165023.7	Tiaf1	chr7	+	32388	18445403	chr7:128441795-128442659	113.49	87.93	0.11	140.66	1003.18	0.11	160.09	689.45	0.2	203.31	671.02	0.23	0.115	0.115	-0.1	1.80E+08	1.62E+07	
ENSMUST00000039949.4	Ema1	chr11	+	495.1	94454204	chr11:94454204-94454505	324.73	379.87	0.9	325.89	70.67	0.82	360.26	0	1	370.98	33.09	0.92	0.86	0.86	-0.1	1.22E+06	8.40E+06	
ENSMUST00000073291.9	Mbl1	chr17	+	533.7	17663396	chr17:17663396-17663533	173.27	4.27	0.9	173.27	173.27	0.9	173.27	0	0	173.27	0	0.9	0.9	0.9	-0.1	4.26E+05	3.26E+05	
ENSMUST0000003525.6	Slt1a6os	chr8	+	1426.5	106200880	chr8:106200717-106201149	344.17	65.43	0.84	363.79	110.16	0.77	340.53	32.55	0.91	354.28	38.17	0.9	0.805	0.805	-0.1	2.1E+05	0.000116863	
ENSMUST000002096.12	Usp14	chr18	+	6872.6	9999814	chr18:99998484-99998248	431.87	80.8	0.51	461.09	406.08	0.53	457.1	288.24	0.61	521.96	304.29	0.63	0.52	0.52	-0.1	5.11E+05	0.000277186	
ENSMUST00000187896.1	Agf1	chr10	+	1295.3	62895200	chr10:62894999-62895251	388.85	203.7	0.79	381.35	107.56	0.78	358.77	50.44	0.88	399.71	47.32	0.89	0.785	0.785	-0.1	5.58E+05	0.0003009	
ENSMUST0000002963.9	Pxyd1	chr1	+	1386.3	103027681	chr1:103027681-103027882	88.26	88.26	0.9	88.26	88.26	0.9	88.26	88.26	0.9	88.26	88.26	0.9	0.815	0.815	-0.1	5.58E+05	0.0003009	
ENSMUST00000020375.6	Rab3ip	chr10	+	1386.4	116980801	chr10:116980784-116980718	10.77	291.9	0.05	40.56	316.26	0.05	40.56	275.86	0.15	44.18	258.56	0.15	0.04	0.04	-0.1	6.40E+05	0.000247114	
ENSMUST00000064793.12	R3hdm2	chr0	+	2784	12749074	chr0:12749088-127499549	260.09	47.66	0.85	269.97	106.57	0.72	297.05	6.85	0.98	234.29	60.71	0.79	0.785	0.785	-0.1	0.000141688	0.000713484	
ENSMUST00000024582.7	Fam21	chr10	+	2088.6	113595686	chr10:113595686-113598273	204.65	224.67	0.7	204.65	224.67	0.7	204.65	224.67	0.7	204.65	224.67	0.7	0.65	0.65	-0.1	0.000204446	0.001005588	
ENSMUST00000121661.7	Smn14	chr5	+	1013.3	65450190	chr5:65449833-65450437	211.28	70.59	0.29	211.28	28.21	0.29	297.05	31.94	0.89	291.37	130.45	0.96	0.825	0.825	-0.1	0.000244466	0.001005588	
ENSMUST00000114849.1	Uhrf1bp1	chr17	+	669	27896229	chr17:27898582-27900040	19.9	76.93	0.9	1	127.89	0	1	132.13	0	1	132.13	0	1	0.9	-0.1	0.000203386	0.00109154	
ENSMUST00000033880.13	Col4a2	chr16	+	183.4	11832293	chr16:11832293-11832302	110.67	130.25	0.95	130.25	130.25	0.95	130.25	130.25	0.95	130.25	130.25	0.95	0.9	0.9	-0.1	0.0003826	0.01772091	
ENSMUST00000072383.12	Wasch1	chr17	+	65116388	66118989	chr17:66118989-661192053	208.14	271.16	0.11	72.68	271.16	0.11	72.68	253.37	0.22	76.27	27.27	0.22	0.12	0.12	-0.1	0.0003826	0.01772091	
ENSMUST00000029625.7	Shp2	chr3	+	8708.4	83773589	chr3:83773118-83773853	322.99	514.82	0.33	380.4	60.4	0.61	385.03	201.94	0.66	348.88	146.62	0.7	0.58	0.58	-0.1	0.000628924	0.00249825	
ENSMUST00000073762.10	Mon2	chr10	+	268.8	12299524	chr10:12299524-12299583	6.11	162.92	0.03	23.35	130.29	0.03	23.35	161.62	0.13	24.16	15.16	0.14	0.03	0.03	-0.1	0.000628924	0.00249825	
ENSMUST00000025866.1	Usp20a1	chr9	+	132.7	11277829	chr9:11277447-11279089	39.84	7.24	0.9	112.74	112.74	0.9	112.74	112.74	0.9	112.74	112.74	0.9	0.9	0.9	-0.1	0.000628924	0.00249825	
ENSMUST00000030018.4	Nias	chr4	+	4482	46502638	chr4:46502435-46503832	123.33	332.37	0.27	145.31	386.19	0.27	161.27	290.88	0.36	198.33	324.76	0.38	0.27	0.27	-0.1	0.001275033	0.005237389	
ENSMUST0000003110.9	Lns	chr5	+	7																				

ENSMUST000019064.7	493434E20Rik	chr3	+	203.6	92061868	chr3:90061638-90062018	161.11	33.96	0.83	173.33	66.28	0.72	260.31	20.57	0.93	203.62	48.51	0.81	0.775	0.87	-0.095	0.003740882	0.013596741	
ENSMUST0000114090.7	Inp5e	chr2	-	75.2	26397524	chr2:26397524-26397524	67.91	0	0	83.66	0	0	14.77	0	1	88.58	0	0	1	0.905	1	-0.095	0.004150436	0.014928595
ENSMUST0000125244.0	Timela	chr10	-	1135.1	12825240	chr10:12825240-12825240	220.51	0.61	0.6	156.58	0.6	0.6	270.89	0.6	0.6	120.32	142.92	0.71	0.4	0.605	0.605	-0.095	0.004466174	0.010430359
ENSMUST000010586.2	Slc25a33	chr4	-	3183.1	14974458	chr4:14974458-14974458	39.17	0.16	0.16	21.14	0.16	0.16	204.26	0.27	0.27	77.52	120.17	0.23	0.15	0.25	0.25	-0.095	0.005996590	0.02076547
ENSMUST000008574.8	Zmsta24	chr4	-	1552.1	12106934	chr4:12106934-121061220	204.6	180.41	0.6	186.48	0.49	0.49	256.77	138.63	0.65	213.27	123.04	0.63	0.645	0.64	0.64	-0.095	0.00777435	0.0297836
ENSMUST0000079188.12	Abcc5	chr16	-	570.5	20332457	chr16:20332457-20332705	124.17	133.56	0.63	159.96	0.86	0.86	173.77	29.77	0.85	176.35	35.08	0.83	0.745	0.745	0.84	-0.095	0.000276951	0.03264719
ENSMUST0000003935.12	Pdcd11	chr17	-	1175.7	119248237	chr17:119248237-119248910	204.6	180.41	0.6	186.48	0.49	0.49	256.77	138.63	0.65	213.27	123.04	0.63	0.645	0.64	0.64	-0.095	0.000276951	0.03264719
ENSMUST0000129091.7	Ccdc167	chr17	-	12054.1	29700051	chr17:29698321-29702052	63.52	0	1	60.32	0	1	60.32	0	1	59.93	0	1	0.905	0	0	-0.095	0.014667031	0.044901948
ENSMUST0000003513.10	Noap	chr7	+	504.9	45077879	chr7:45077879-45078210	152.96	83.33	0.85	106.16	0.85	0.85	164.95	95.14	0.63	258.22	20.91	0.93	0.685	0.78	0.78	-0.095	0.014762551	0.045154646
ENSMUST0000114162.9	Pdcp10	chr11	+	1342.6	11865497	chr11:11865497-118655107	121.78	121.78	0.6	140.68	0.6	0.6	140.68	0.6	0.6	140.68	0.6	0.6	0.47	0.47	0.47	-0.095	0.014762551	0.045154646
ENSMUST0000003056.9	Lp8	chr4	+	425.1	107872742	chr4:10787273-107873899	114.17	25.18	0.82	112.09	0.35	0.7	126.14	10.52	0.92	110.01	18.96	0.85	0.79	0.79	0.885	-0.095	0.021068213	0.061242572
ENSMUST0000002477.2	Meo20	chr17	+	214.5	47623791	chr17:47623885-47624418	136.04	136.04	0.72	138.29	0.68	0.68	141.47	55.15	0.75	185.69	34.55	0.84	0.7	0.7	0.795	-0.095	0.02302152	0.066125203
ENSMUST0000008555.12	Ccdc12	chr17	+	699	40562132	chr17:40562132-40562132	148.53	148.53	0.17	148.53	0.17	0.17	148.53	0.17	0.17	148.53	0.17	0.17	0.28	0.28	0.28	-0.095	0.014762551	0.045154646
ENSMUST0000111333.1	Zfp408	chr2	-	328.7	91644834	chr2:91643858-91644473	49.03	10.26	0.83	53.03	0.96	0.98	59.63	0	1	61.74	0	1	0.905	0	0	-0.095	0.023815875	0.068149122
ENSMUST0000003511.12	Nkr	chr9	+	318.5	121754446	chr9:121754245-121754662	96.5	85.02	0.86	85.02	0.96	0.98	85.02	1.7	0.99	167.45	63.73	0.72	0.76	0.855	0.855	-0.095	0.025648785	0.071938506
ENSMUST0000009954.4	Msi18a	chr16	-	893.2	80719507	chr16:80719312-80719578	126.06	94.72	0.71	172.71	0.71	0.71	176.77	58.1	0.75	171.54	66.73	0.72	0.64	0.64	0.735	-0.095	0.028135802	0.073221322
ENSMUST000016958.7	Zfp207	chr19	+	515.4	42191819	chr19:42190833-42194590	19.14	148.35	0.11	158.19	0.11	0.11	39.39	0.11	0.11	34.08	131.15	0.21	0.11	0.11	0.11	-0.095	0.02689669	0.070285258
ENSMUST0000027446.10	Cops7b	chr1	+	1035.9	86606094	chr1:86605058-86606500	102.76	155.82	0.43	172.21	0.43	0.43	104.88	119.78	0.47	136.1	123.92	0.52	0.4	0.4	0.45	-0.095	0.003508471	0.094053116
ENSMUST0000026241.11	Fgf8	chr19	-	444.2	45737047	chr19:45736818-45737280	141.59	77.59	0.65	183.02	0.68	0.68	192.2	79.51	0.71	176.42	40.58	0.81	0.665	0.76	0.76	-0.095	0.036193036	0.09665509
ENSMUST000011986.7	Hmnpa3	chr12	+	2711740.1	73565399	chr12:73565399-73566523	3522.51	4481.33	0.42	4994.02	0.42	0.42	4313.17	4028.34	0.52	4712.28	4427.78	0.52	0.43	0.43	0.52	-0.095	1.4755306	4.55629
ENSMUST0000139129.8	Srsf1	chr11	+	96687.7	88051354	chr11:88049412-88053755	123.21	1630.64	0.07	352.41	0.07	0.07	352.41	1794.85	0.16	623.04	170.39	0.16	0.07	0.16	0.16	-0.095	0.036193036	0.09665509
ENSMUST0000106226.8	Tal1	chr12	-	10924.9	128442369	chr12:12843977-128442659	33.42	905.77	0.04	40.26	0.04	0.04	111.75	703.01	0.14	103.79	728.06	0.12	0.04	0.04	0.04	-0.095	0.036193036	0.09665509
ENSMUST0000107693.5	Ppp112a	chr10	+	5528.5	108277468	chr10:108277207-108277575	384.31	36.25	0.91	395.12	0	0	41.19	0	0	483.1	0	1	0.91	1	1	-0.095	7.302E-14	9.925E-13
ENSMUST0000103002.7	Yhaa	chr12	+	177102.5	21391103	chr12:21390529-21391415	914.44	2020.41	0.31	87.16	0.31	0.31	116.87	1883.71	0.4	1113.01	1741.32	0.39	0.305	0.395	0.395	-0.095	0.036193036	0.09665509
ENSMUST00000019514.9	Calm3	chr7	-	273529.9	16918775	chr7:16915379-16918976	1357.06	909.68	0.6	1382.37	0.6	0.6	1467.16	752.12	0.66	1671.06	741.46	0.69	0.585	0.585	0.675	-0.095	1.11E-10	1.15E-09
ENSMUST0000003028.14	Efr3a3	chrX	+	12494.1	94190567	chrX:94188707-94190222	1026.41	1026.41	0.85	1026.41	0.85	0.85	1037.33	67.08	0.94	1204.7	201.37	0.86	0.81	0.81	0.81	-0.095	2.05E-10	2.09E-09
ENSMUST0000002430.10	Tlsm	chr10	+	4115.9	12120659	chr10:12120644-12120669	39.13	152.12	0.04	96.03	0.04	0.04	96.03	644.45	0.13	112.88	60.04	0.14	0.045	0.045	0.045	-0.095	3.30E-10	3.40E-09
ENSMUST0000132815.2	Slc25a51	chr4	-	2949.2	45399882	chr4:45399241-45400179	519.4	41.7	0.85	507.23	0.85	0.85	507.23	23.89	0.99	570.21	0	1	0.89	0.98	0.98	-0.095	8.20E-07	8.01E-09
ENSMUST0000122182.1	Cbvs	chr15	-	5892.6	103199590	chr15:103199255-103199791	63.76	60.9	0.88	468.77	0.88	0.88	705.63	22.78	0.97	751.84	90.32	0.89	0.84	0.93	0.93	-0.095	1.30E-10	1.89E-09
ENSMUST0000002228.14	Rhma	chr7	+	5745.1	71928534	chr7:71928534-71928534	243.98	63.56	0.92	233.42	0.92	0.92	233.42	0	1	347.05	0	1	0.985	0.985	0.985	-0.095	2.16E-06	2.31E-06
ENSMUST0000008551.11	Npfn	chr9	-	1878.7	58652221	chr9:58651859-58652856	319.68	49.04	0.87	374.9	0.84	0.85	471.08	14.24	0.96	414.17	24.64	0.94	0.8	0.8	0.8	-0.095	3.19E-07	2.36E-06
ENSMUST0000107093.7	Ube2d2a	chr18	+	382655.7	35806309	chr18:35805518-35807172	148.41	189.34	0.16	819.06	0.19	0.39	389.67	1051.5	0.28	389.67	1164.83	0.25	0.175	0.265	0.265	-0.095	3.80E-07	2.78E-06
ENSMUST0000008324.7	Cdc25a	chr9	+	2769	108962334	chr9:108962079-10898385	362.42	69.42	0.84	399.7	0.84	0.84	399.7	0	1	381.81	23.09	0.94	0.88	0.88	0.97	-0.095	4.74E-07	3.44E-06
ENSMUST0000001740.2	Ube2a	chr18	+	33398.4	35490634	chr18:35490634-354907163	177.78	177.78	0.97	177.78	0.97	0.97	177.78	194.81	0.29	194.81	1106.82	0.27	0.27	0.27	0.27	-0.095	0.000895497	0.003867421
ENSMUST0000123818.1	Oip5	chr2	+	276.1	119610114	chr2:119609971-119610384	178.82	93.83	0.83	203.95	0.83	0.83	203.95	1.67	0.96	248.52	0	1	0.89	0.98	0.98	-0.095	8.81E-06	5.44E-05
ENSMUST0000109140.9	Aurka	chr2	+	3410.1	172356697	chr2:172356110-172356697	587.46	171.98	0.77	624.18	0.77	0.77	601.95	109.43	0.85	731.34	134.34	0.84	0.755	0.845	0.845	-0.095	9.92E-06	6.07E-05
ENSMUST0000008570.8	Hmnpa1	chr12	+	24160.1	48924828	chr12:48924828-48924828	587.46	171.98	0.77	624.18	0.77	0.77	601.95	109.43	0.85	731.34	134.34	0.84	0.755	0.845	0.845	-0.095	9.92E-06	6.07E-05
ENSMUST0000028997.7	Aurka	chr2	-	2357.2	172356697	chr2:172356110-172356691	588.57	171.98	0.77	624.18	0.77	0.77	601.95	109.43	0.85	731.34	134.34	0.84	0.755	0.845	0.845	-0.095	9.92E-06	6.07E-05
ENSMUST00000167020.7	Wac	chr18	+	3661.8	7927006	chr18:7926070-7929028	14.04	20.7	0.52	326.43	0.05	0.52	313.29	0.14	0.44	68.3	290.31	0.13	0.045	0.045	0.135	-0.095	1.85E-05	0.000188688
ENSMUST0000014322.11	Wt1	chr17	+	30222667	40272607	chr17:30222610-30226734	205.87	24.93	0.69	287.4	0.69	0.69	292.84	5.76	0.88	321.33	6.86	0.98	0.88	0.88	0.88	-0.095	2.00E-05	0.00135859
ENSMUST0000009523.10	Trnm167b	chr3	+	8653.7	10855740	chr3:10855694-10856960	458.02	144.7	0.89	458.02	0.89	0.89	458.02	147.23	0.94	458.02	123.84	0.94	0.89	0.89	0.89	-0.095	2.00E-05	0.00135859
ENSMUST0000026599.9	ApoD	chrX	+	7444.3	112372395	chrX:11237314-112372755	53.82	451.09	0.09	52.01	0.09	0.09	83.24	349.52	0.19	92.1	394.62	0.19	0.1	0.1	0.1	-0.095	0.008E-05	0.000275488
ENSMUST0000008240.13	Cbl1	chr12	-	138.7	31488113	chr12:31487889-31488314	113.44	17.86	0.86	137.86	0.86	0.86	137.86	0	1	140.43	0	1	0.91	1	1	-0.095	0.000260135	0.001020716
ENSMUST0000004381.14	Nox5	chr2	+	139.7	31488113	chr2:31487889-31488314	113.44	17.86	0.86	137.86	0.86	0.86	137.86	0	1	140.43	0	1	0.91	1	1	-0.095	0.000260135	0.001020716
ENSMUST0000007491.10	Ppp1f7	chr2	+	985.8	16500098	chr2:165000337-165002171	184.6	45.9	0.96															

ENSMUST0000106100.8	Zzz3	chr3	+	1109.4	1524594.11	chr3:152458284-152462815	13.61	238.53	0.05	13.16	255.7	0.05	37.17	242.37	0.13	40.52	246.85	0.14	0.05	0.135	-0.085	0.001028028	0.004312741	
ENSMUST000014433.7	Subt1	chr7	-	1635.6	51793039	chr7:51738167-51740413	8.99	174.36	0.05	12.92	226.64	0.05	30.17	216.2	0.12	37.93	214.28	0.15	0.05	0.135	-0.085	0.001264417	0.005205655	
ENSMUST000017075.13	Seld1a	chr7	+	2547	12779507	chr7:12779507-127800094	345.17	254.51	0.55	337.74	274.18	0.55	209.38	254.1	0.62	399.3	181.29	0.68	0.65	0.65	-0.085	0.001862028	0.007351321	
ENSMUST000017157.12	Seld1a	chr7	+	2547	12779506	chr7:12779506-127800094	345.17	254.51	0.58	337.74	274.18	0.58	345.28	209.38	0.62	399.3	189.29	0.68	0.65	0.65	-0.085	0.001862028	0.007351323	
ENSMUST0000124036.7	Tpct1d4	chr5	+	154.4	36492874	chr5:36492739-36493114	140.53	105.35	0.43	165.33	0.61	1	140.74	10.32	0.91	152.84	0.1	0.87	0.91	0.85	-0.085	0.002025249	0.007899099	
ENSMUST0000162429.7	Cno2	chr5	+	245.2	17597229	chr5:17597229-17597335	342.92	50.54	0.76	380.73	133.58	0.74	404.58	60.14	0.87	347.51	88.73	0.8	0.7	0.87	-0.085	0.00202618	0.008203906	
ENSMUST0000000256.7	Zk4	chr2	+	1582.1	10489196	chr2:10489196-10491008	16.29	19.6	0.29	16.29	16.29	0.29	16.29	16.29	0.29	16.29	16.29	0.29	1	0.83	0.85	-0.085	0.002002055	0.004156569
ENSMUST0000086471.11	Sud3	chr5	+	1593.5	117092582	chr5:117091680-117093031	302.23	319.59	0.49	324.11	350.68	0.48	345.27	274.12	0.56	355.03	253.02	0.58	0.48	0.45	0.57	-0.085	0.002237325	0.008096149
ENSMUST0000105265.7	Cno2	chr5	+	339.9	116485922	chr5:116485590-116486286	307.51	237.66	0.56	357.7	205.45	0.64	345.87	181.17	0.66	383.32	156.24	0.71	0.6	0.65	-0.085	0.002262549	0.015896902	
ENSMUST0000181379.7	Pthax	chr8	+	2298	65587189	chr8:65587189-65587189	80.23	80.23	0.56	80.23	152.88	0.56	152.88	152.88	0.77	152.88	152.88	0.77	0.73	0.73	-0.085	0.002492889	0.007417286	
ENSMUST0000075303.6	HdH5	chr6	+	475.2	12051029	chr6:120509484-120510462	192.17	110.93	0.04	173.85	55.44	0.06	20.02	1	0.1	191.21	26.42	0.87	0.87	0.87	-0.085	0.005091853	0.017908503	
ENSMUST0000005169.12	Edr15	chr7	+	751.8	133672035	chr7:133671966-133672971	12.36	18.25	0.06	0.94	18.2	0.06	20.1	147.55	0.16	23.81	159.36	0.13	0.06	0.06	-0.085	0.005348822	0.018704763	
ENSMUST0000153873.13	Cdk	chr6	+	512.5	51267126	chr6:51267126-51267126	87.19	87.19	0.21	87.19	87.19	0.21	87.19	87.19	0.21	87.19	87.19	0.21	0.85	0.85	-0.085	0.005842629	0.015842629	
ENSMUST0000180389.1	Rpp14	chr4	+	649.3	8090308	chr4:8090078-8090554	226.68	78.49	0.49	238.98	108.55	0.69	280.88	79.41	0.78	288.29	57.74	0.83	0.72	0.72	-0.085	0.00664306	0.022729114	
ENSMUST0000072838.5	Hsf1	chr15	+	1191.2	76500754	chr15:76500417-76500972	235.44	55.85	0.87	251.09	83.5	0.87	264.07	181.17	0.86	257.34	58.64	0.81	0.76	0.84	-0.085	0.006761402	0.022088313	
ENSMUST0000110578.7	Ctdsp2	chr2	+	904.5	122010991	chr2:122010563-122012388	148.2	33.32	0.86	166.92	26.33	0.86	185.63	6.94	0.96	196.6	23.88	0.89	0.84	0.92	-0.085	0.006786224	0.031609528	
ENSMUST0000002962.10	Cnc3	chr7	+	2772	126572146	chr7:126571400-126572386	94.43	101.78	0.03	6.33	129.8	0.05	13.3	111.41	0.11	19.33	121.9	0.14	0.04	0.04	-0.085	0.0101710784	0.030401635	
ENSMUST00001202620.7	Zoh2z	chr2	+	757.3	119173	chr2:119173-119173	73.2	73.2	0.93	73.2	0.39	1	132.61	0.1	1	132.61	0.1	1	0.85	0.85	-0.085	0.010058252	0.043305368	
ENSMUST0000002880.13	Tcd1	chr1	+	1764.7	78180388	chr1:78180388-78180395	61.8	205.03	0.23	54.75	276.27	0.17	82.05	169.79	0.23	55.25	171.54	0.24	0.2	0.2	-0.085	0.01449576	0.043568674	
ENSMUST00001362320.8	Hsf9f	chr2	+	358.8	36189528	chr2:36189528-36190547	133.92	131.25	0.06	15.4	141.43	0.06	108.4	108.4	0.13	22.56	117.46	0.16	0.06	0.06	-0.085	0.014842786	0.045335566	
ENSMUST0000033173.14	Pok3e	chr7	+	2407.4	12094598	chr7:12094576-120947432	9.18	19.24	0.13	5.18	21.59	0.13	54.54	202.78	0.21	49.54	176.41	0.22	0.13	0.25	-0.085	0.014892476	0.045452545	
ENSMUST0000115087.1	Gm28d3	chr7	+	1221.1	29702480	chr7:29702154-29703332	216.77	123.31	0.64	246.15	142.42	0.64	246.15	86.58	0.74	245.46	101.31	0.71	0.64	0.64	-0.085	0.019273314	0.056771256	
ENSMUST0000124916.12	Cm1	chr17	+	1221.1	29702480	chr17:29702154-29703332	216.77	123.31	0.64	246.15	142.42	0.64	246.15	86.58	0.74	245.46	101.31	0.71	0.64	0.64	-0.085	0.019273314	0.056771256	
ENSMUST0000118703.7	Csp1	chr16	+	1518.1	4767759	chr16:4767684-4768649	217.84	101.55	0.68	226.23	86.74	0.69	255.15	84.55	0.8	267.08	91.89	0.64	0.65	0.65	-0.085	0.020678301	0.050272392	
ENSMUST0000000449.8	Mm2	chr6	+	1308.8	115617916	chr6:115617594-115618569	146	154.95	0.54	111.84	164.2	0.55	182.64	112.36	0.62	185.5	127.18	0.59	0.52	0.60	-0.085	0.022443168	0.067197908	
ENSMUST0000008346.12	Ospb9	chr4	-	214.1	109062131	chr4:109062131-109062332	133.92	27.19	0.83	179.33	46.4	0.79	194.75	25.27	0.89	205.58	22.76	0.9	0.81	0.81	-0.085	0.024745942	0.070368908	
ENSMUST0000160271.7	Ospb9	chr4	-	214.1	109062131	chr4:109062131-109062332	133.92	27.19	0.83	179.33	46.4	0.79	194.75	25.27	0.89	205.58	22.76	0.9	0.81	0.81	-0.085	0.024745942	0.070368908	
ENSMUST0000194474.5	Ospb9	chr4	-	214.1	109062131	chr4:109062131-109062332	133.92	27.19	0.83	179.33	46.4	0.79	194.75	25.27	0.89	205.58	22.76	0.9	0.81	0.81	-0.085	0.024745942	0.070368908	
ENSMUST0000149227.7	Cm1	chr17	+	1221.1	29702480	chr17:29702154-29703332	216.77	123.31	0.64	246.15	142.42	0.64	246.15	86.58	0.74	245.46	101.31	0.71	0.64	0.64	-0.085	0.019273314	0.056771256	
ENSMUST0000046524.9	Fam102b	chr3	+	193	108975141	chr3:108975097-108975342	58.3	12.54	0.82	54.36	1	0.82	54.36	1	0.1	56.4	0.51	0.99	0.99	0.99	-0.085	0.028901469	0.079906123	
ENSMUST0000031251.15	Hsd17b11	chr5	+	4078.6	103990303	chr5:103989762-103990594	128.7	148.19	0.88	137.84	20.65	0.88	137.84	13.62	0.91	124.36	29.45	0.81	0.775	0.775	-0.085	0.034553826	0.09349725	
ENSMUST0000113048.5	Mum11	chr1	+	1194.9	136236968	chr1:136234499-136238335	136.06	47.3	0.86	154.36	22.84	0.86	154.36	5.66	0.96	133.04	33.27	0.8	0.795	0.88	-0.085	0.037062407	0.098622955	
ENSMUST0000009048.13	Brp3	chr19	+	1022.11	125444983	chr19:125444983-125449000	311.06	186.06	0.86	186.06	186.06	0.86	186.06	186.06	0.86	186.06	186.06	0.86	0.86	0.86	-0.085	0.037062407	0.098622955	
ENSMUST000009707.13	Tord2	chr2	+	155.9	32761712	chr2:32761476-32761717	130.46	452.04	0.04	1	452.04	0.04	1	113.08	0.1	41.68	98.71	0.1	0.1	0.1	-0.085	0.037062407	0.098622955	
ENSMUST0000073080.5	Gm10053	chr19	+	22190.2	24875887	chr19:24875686-24876634	324.82	22.54	0.94	312.75	35.73	0.9	384.56	1	1	387.67	0	1	0.92	1	-0.085	0.0422E-10	2.44E-09	
ENSMUST0000059515.7	Gp1	chr12	+	3563.99	36583955	chr12:36583955-36583955	711.05	112.42	0.76	437.92	165.82	0.76	455.94	108.4	0.76	455.94	108.4	0.76	0.76	0.76	-0.085	0.0422E-10	2.44E-09	
ENSMUST0000021083.6	Jp11	chr11	+	51593.7	11549280	chr11:115492573-115492899	1122.41	319.23	0.51	1122.41	144.63	0.61	1448.53	908.63	0.61	1448.53	1161.16	0.56	0.505	0.585	-0.085	0.0422E-10	2.44E-09	
ENSMUST0000144742.5	Cenpa	chr3	+	38622.6	30674305	chr3:30674038-30674800	158.08	104.04	0.14	184.18	114.09	0.14	268.3	927.16	0.22	244.03	967.06	0.21	0.135	0.215	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000107342.1	Ch1p	chr3	+	28067.7	90498965	chr3:90498965-90500310	973.19	346.79	0.74	1018.49	359.79	0.74	1114.59	281.45	0.81	1243.45	254.85	0.83	0.74	0.82	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000177851.8	Galata2	chr2	+	10056.2	60908690	chr2:60908690-60909074	107.76	107.76	0.64	208.32	107.76	0.64	208.32	107.76	0.64	208.32	107.76	0.64	0.65	0.65	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000112688.7	Sap18	chr4	+	124732.8	57802123	chr4:57801922-57802327	451.54	1165.28	0.47	476.66	1371.18	0.47	570.07	1035.06	0.36	571.19	1124.61	0.34	0.27	0.36	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000022619.13	Ecoz2	chr14	+	742.1	65819897	chr14:65819897-65820096	212.89	42.0	0.84	225.52	1	0.84	225.52	1	0.1	192.52	0	1	0.82	1	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000034468.10	281kNAN3Pnk	chr15	+	24519.0	12459319	chr15:12459319-124593992	195.12	885.42	0.16	195.12	885.42	0.16	195.12	885.42	0.16	195.12	885.42	0.16	0.25	0.25	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000030501.5	Elna1tp2	chr2	+	2370.6	118628021	chr2:118625820-118627716	39.87	560.71	0.07	48.43	615.25	0.07	107.12	558.46	0.16	100.63	599.69	0.14	0.07	0.15	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000102251.1	Pan1	chr4	+	1382.3	83734303	chr4:83733916-83735199	336.27	17.1	0.95	347.04	91.49	0.95	389.12	20.07	0.95	351.83	157.03	0.96	0.875	0.95	-0.085	0.0473E-08	3.88E-07	
ENSMUST0000024688.12	Amn1f8	chr4	+	168																				

ENSMUST0000021197.9	Bhm	chr11	+	21976.3	76986841	chr11:76986847-76987379	600.4	362.02	0.62	619.67	410.52	0.6	716.02	332.52	0.68	820.61	366.26	0.69	0.61	0.655	-0.075	0.00039547	0.00166854	
ENSMUST00000152782.7	Heg1	chr16	+	22177.9	33768996	chr16:33768991-33770740	63.39	364.76	0.15	64.35	399.69	0.14	190.03	660.65	0.22	162.94	572.21	0.22	0.145	0.145	-0.075	0.00054275	0.00242615	
ENSMUST0000014235.8	Veg2a	chr17	+	4443.9	46018678	chr17:46018674-46018879	294.58	47.66	0.12	46.87	47.66	0.12	51.48	56.81	0.92	57.48	101.11	0.85	0.1	0.85	-0.075	0.00062749	0.00265894	
ENSMUST0000009679.10	Rvmt	chr18	+	3184.7	68321850	chr18:68321841-68324852	44.16	19.9	0.09	50.42	505.26	0.09	98.71	498.4	0.09	94.76	502.86	0.16	0.09	0.09	-0.075	0.00060544	0.00267085	
ENSMUST00000218640.1	Mx1	chr12	-	740.9	76932421	chr12:76932411-76938755	367.55	365.88	0.25	368.28	78.14	0.84	277.4	9.56	0.86	490.22	81.1	0.86	0.845	0.845	-0.075	0.00069750	0.00030338	
ENSMUST00000028668.7	ElbJ	chr2	+	11732.2	120022260	chr2:120022260-12005330	180.65	60.09	0.83	60.09	634.33	0.84	444.4	557.9	0.3	274.22	566.03	0.33	0.24	0.315	-0.075	0.00072744	0.00032613	
ENSMUST00000000000.0	Sa1b	chr11	+	8220.1	51791946	chr11:51791946-51791925	453.8	453.8	0.0	453.8	453.8	0.0	453.8	453.8	0.0	453.8	453.8	0.0	0.0	0.0	-0.075	0.00071247	0.00041218	
ENSMUST00000072079.8	Rst1	chr6	+	17660.6	9546093	chr6:9546093-9546085	440.53	54.0	0.85	435.55	89.3	0.83	50.67	0	1	564.51	116.7	0.83	0.84	0.915	-0.075	0.00045374	0.00088701	
ENSMUST00000174286.2	Spr	chr1	+	875.3	85134081	chr1:85134081-85134288	403.94	129.55	0.76	365.73	115.12	0.76	496.01	106.01	0.82	486.39	88.43	0.85	0.76	0.835	-0.075	0.00185825	0.00734386	
ENSMUST00000000000.0	B2a	chr4	+	1224.4	120447695	chr4:120447695-12049871	190	190	0.0	190	190	0.0	190	190	0.0	190	190	0.0	0.0	0.11	0.11	-0.075	0.00070862	0.00071441
ENSMUST00000020756.8	Rpwt1	chr11	+	10488.8	29161538	chr11:29161538-29161828	119.4	431.21	0.22	135.38	504.18	0.22	182.05	392.43	0.32	118.38	331.2	0.26	0.215	0.215	-0.075	0.00027783	0.01026154	
ENSMUST00000076994.10	P2	chr1	+	2967.9	159340592	chr1:159340592-159347640	24.84	321.27	0.09	338.27	298.74	0.09	53.83	290.88	0.16	49.9	288.13	0.15	0.08	0.155	-0.075	0.000324022	0.011971808	
ENSMUST00000000000.0	Ep2b04	chr17	+	2307.4	23013748	chr17:23013748-230202861	141.97	141.97	0.0	141.97	141.97	0.0	141.97	141.97	0.0	141.97	141.97	0.0	0.0	0.13	-0.075	0.000338908	0.00045959	
ENSMUST00000031775.12	Cald1	chr6	+	599.9	34773451	chr6:34773223-34773964	251.28	92.77	0.73	256	60.91	0.81	601.28	117.14	0.84	512.31	89.96	0.85	0.85	0.77	-0.075	0.000497552	0.017551972	
ENSMUST00000112314.7	Tang	chrX	+	1205.4	16279065	chrX:162788917-16279086	87.47	430.85	0.27	421.11	11.7	0.28	117.21	347.31	0.26	115.71	391.24	0.23	0.17	0.245	-0.075	0.000582736	0.020720714	
ENSMUST00000013789.5	Fmp4	chr2	+	8598	90780190	chr2:90779561-90781221	124.08	310.47	0.26	125.89	353.84	0.26	189.27	348.25	0.35	187.22	341.27	0.35	0.275	0.35	-0.075	0.000698327	0.021063747	
ENSMUST00000190079.9	Zuc5p2	chr7	+	409.6	141431057	chr7:1414320748-14143258	139.5	132.72	0.78	139.54	38.84	0.78	139.25	130.37	0.96	139.25	9.46	0.93	0.89	0.95	-0.075	0.000479984	0.022212438	
ENSMUST0000008387.10	Ep300	chr15	+	5227.7	81651160	chr15:81648802-81652077	249.85	67.9	0.29	271.04	58.3	0.37	19.35	90.4	0.39	2.12	51.59	0.83	0.81	0.85	-0.075	0.000692362	0.020232911	
ENSMUST00000020101.0	Med13l	chr5	+	131.9	118762902	chr5:118762911-118763918	72.71	13.18	0.85	93.5	0	1	112.01	0	1	109.92	0	1	0.925	0	-0.075	0.000728662	0.020493121	
ENSMUST000000206647.3	Raf5p	chr11	+	2442.7	33695428	chr11:33695428-33695655	227.19	53.29	0.84	278.06	195.89	0.85	339.86	7.4	0.29	341.82	65.74	0.44	0.53	0.53	-0.075	0.000402362	0.020761227	
ENSMUST00000021362.4	Khdcd2	chr12	+	11912.2	69310354	chr12:69310354-69310522	277.83	378.99	0.42	354.41	400.35	0.42	358.77	0.2	0.55	366.85	381.93	0.49	0.42	0.49	-0.075	0.000476205	0.020848583	
ENSMUST00000084524.3	Pp4p	chr4	+	1549.9	62424328	chr4:62424328-62426990	19.8	257.11	0.07	22.02	246.74	0.08	40.73	236.14	0.15	41.23	237.53	0.15	0.075	0.15	-0.075	0.000698347	0.020969771	
ENSMUST0000021080.1	Msm22	chr9	+	4848.1	37523973	chr9:37523973-37524625	119.4	408.55	0.23	141.82	414.97	0.23	343.7	173.5	0.34	153.4	328.83	0.29	0.24	0.315	-0.075	0.000691953	0.031329161	
ENSMUST0000000757.8	Meo2	chr10	+	169.9	12295647	chr10:12295648-12295833	164.18	24.86	0.85	166.38	29.5	0.85	184.62	12.24	0.94	175.3	13.43	0.53	0.86	0.935	-0.075	0.011421615	0.002303502	
ENSMUST00000024956.14	Rhoq	chr17	+	201.8	86997106	chr17:86996950-86997256	105.44	10.4	0.87	105.44	34.43	0.7	124.86	18.1	0.87	178.87	0	1	0.86	0.86	-0.075	0.011605311	0.038705277	
ENSMUST00000102628.10	Yroc	chr4	+	3302.1	124854974	chr4:124854475-124855239	226.15	300.63	0.43	227.33	354.07	0.39	301.55	254.05	0.54	261.57	347.8	0.43	0.41	0.41	-0.075	0.01023241	0.038705277	
ENSMUST0000018536.1	261000185R3K	chr1	+	3538.6	13874937	chr1:13874937-13877040	195.46	195.46	0.0	195.46	195.46	0.0	195.46	195.46	0.0	195.46	195.46	0.0	0.0	0.0	-0.075	0.012783388	0.038993322	
ENSMUST00000168086.6	Jade1	chr3	+	787.2	41614969	chr3:41612134-41616112	163.05	26.8	0.86	156.27	22.88	0.87	206.2	10.36	0.95	194.1	15.58	0.93	0.865	0.94	-0.075	0.013592342	0.042148027	
ENSMUST00000005109.9	Km5a	chr6	+	7539.8	120441655	chr6:120438987-120445474	24.93	225.72	0.08	46.22	239.23	0.08	46.22	239.76	0.17	44.88	238.41	0.16	0.09	0.165	-0.075	0.013737059	0.042520105	
ENSMUST00000032213.13	Tp53	chr17	+	414.3	155386153	chr17:155386153-155386988	125.48	125.48	0.0	125.48	125.48	0.0	125.48	125.48	0.0	125.48	125.48	0.0	0.0	0.0	-0.075	0.014070293	0.042520105	
ENSMUST00000031933.14	Wdr59	chr8	+	545.1	111450690	chr8:111450322-111451079	217.45	15.56	0.93	166.38	77.71	0.68	190.48	22.41	0.89	186.86	27.07	0.87	0.805	0.88	-0.075	0.019309635	0.056845455	
ENSMUST00000211981.1	Wdr59	chr8	+	545.1	111450690	chr8:111450322-111451079	217.45	15.56	0.93	166.38	77.71	0.68	190.48	22.41	0.89	186.86	27.07	0.87	0.805	0.88	-0.075	0.019309635	0.056845455	
ENSMUST00000034433.7	Wdr59	chr8	+	545.1	111450690	chr8:111450322-111451079	217.45	15.56	0.93	166.38	77.71	0.68	190.48	22.41	0.89	186.86	27.07	0.87	0.805	0.88	-0.075	0.019309635	0.056845455	
ENSMUST00000000000.0	H2b	chr11	+	1059.6	98900362	chr11:98900362-98901052	246.11	246.11	0.0	246.11	246.11	0.0	246.11	246.11	0.0	246.11	246.11	0.0	0.0	0.44	-0.075	0.000491952	0.056845455	
ENSMUST0000002908.8	E2b	chr12	+	1056.6	1682571	chr12:1682576-16826752	201.87	44.1	0.82	214.35	41.84	0.82	259.9	13.35	0.94	254.77	42.01	0.86	0.83	0.83	-0.075	0.020456791	0.000957079	
ENSMUST00000108885.7	Tnp1	chr1	+	3291.5	54911008	chr1:54910789-54911571	165.35	27.15	0.86	183.4	33.37	0.85	166.15	23.66	0.88	170.47	3.54	0.98	0.855	0.93	-0.075	0.022877505	0.069723381	
ENSMUST00000084058.6	Tru9a	chr14	+	5614.4	123182578	chr14:123182578-123184288	296.78	130.48	0.77	323.15	149.28	0.77	323.15	149.28	0.77	323.15	149.28	0.77	0.77	0.77	-0.075	0.012783388	0.038993322	
ENSMUST00000030284.9	Rnf11	chr4	+	3631.6	10945266	chr4:109451088-10945422	13.89	17.14	0.1	38.16	172.14	0.1	38.16	184.11	0.17	32.37	183.99	0.15	0.085	0.15	-0.075	0.022487505	0.069723381	
ENSMUST0000018482.12	Tnp1	chr1	+	3285.1	54911007	chr1:54910787-54911571	164.44	28.09	0.87	162.2	34.29	0.84	165.23	24.6	0.87	169.62	4.43	0.97	0.845	0.92	-0.075	0.020680139	0.073287674	
ENSMUST00000119868.2	Camp3p	chr3	+	1244.7	3008600	chr3:3008596-3008044	271.5	101.33	0.73	280.91	31.27	0.81	281.57	89.81	0.81	87.58	89.81	0.78	0.752	0.795	-0.075	0.000776406	0.07345834	
ENSMUST000000003478.4	Stc6	chr6	+	6470.7	10518922	chr6:10518924-10518971	140.69	189.82	0.11	189.82	230.11	0.41	238.94	1.01	0.42	238.94	1.01	0.42	0.42	0.42	-0.075	0.000490849	0.07345834	
ENSMUST00000053386.5	Purf	chr6	+	332.2	5768420	chr6:57686576-57689878	14.13	18.02	0.11	11.89	223.94	0.05	20.36	114.77	0.05	15.62	118.46	0.12	0.06	0.135	-0.075	0.031022588	0.080736801	
ENSMUST0000016088.12	H2b	chr11	+	1473.3	128252441	chr11:128252441-128252941	216.53	143.11	0.6	232.22	160.33	0.59	256.83	132.93	0.66	303.55	142.85	0.68	0.596	0.67	-0.075	0.03210731	0.08743422	
ENSMUST0000003034.4	Fuc1t	chr2	+	387.2	135939275	chr2:135939275-135940311	11.89	124.56	0.09	118.45	16.77	0.07	29.22	138.85	0.18	20.27	132.63	0.13	0.08	0.166	-0.075	0.034862537	0.092326995	
ENSMUST000001302116.9	Srsf7	chr17	+	2803283.1	29042038	chr17:29042038-29043386	1257.83	189.48	0.65	2297.83	230.65	0.65	509.07	3198.17	0.72	2198.88	3183.31	0.72	0.72	0.72	-0.075	0.000286987	0.09232	

ENSMUST000000986.14	Lrapa1	chr5	-	10090	3509307	chr5:35091501-35093386	14.05	763.67	0.16	162.52	871.31	0.16	261.4	960.34	0.21	231	748.27	0.24	0.16	0.225	-0.065	0.000145473	0.000371722	
ENSMUST00000214179.1	Pafln1b2	chr9	-	3921.15	45968765	chr9:45968464-4596886	550.27	71.6	0.88	557.52	68.01	0.88	586.61	14.28	0.98	594.06	52.99	0.92	0.885	0.885	0.00186112	0.000918184	0.000918184	
ENSMUST000002928.8	Swb2	chr3	-	36655.6	30818676	chr3:30818500-30818676	60.62	636.94	0.09	60.62	704.71	0.09	636.94	171.81	0.09	636.94	171.81	0.09	0.15	0.15	0.002042054	0.001160319	0.001160319	
ENSMUST00000109738.9	Rnase2a-x	chr8	-	66119.9	84957653	chr8:84956616-84957864	19.41	0.08	0.08	20.19	44.71	0.04	54.61	35.6	0.11	54.61	35.6	0.11	0.045	0.045	0.000358848	0.001662627	0.001662627	
ENSMUST00000115666.7	Otu5d	chrX	-	2086.7	7874874	chrX:7874230-7874860	522.24	61.38	0.88	563.22	72.81	0.88	587.28	58.2	0.91	639.1	56.07	0.92	0.885	0.885	0.00036439	0.001687299	0.001687299	
ENSMUST00000003428.2	Gabarp2	chrX	+	34569.1	11582771	chrX:11582315-11583612	57.51	0.08	0.08	657.01	0.08	0.08	657.01	630.81	0.15	114.34	700.36	0.14	0.08	0.08	0.000431525	0.001973288	0.001973288	
ENSMUST00000002923.8	Mely	chr11	-	10207.3	12052133	chr11:12052107-12052736	61.79	0.08	0.08	657.01	0.08	0.08	657.01	129.79	0.82	640.29	68.92	0.82	0.885	0.885	0.000242054	0.002472584	0.002472584	
ENSMUST0000002386.13	Ube2a3	chr2	+	5222.1	7892404	chr2:78919958-78921293	33.36	309.23	0.08	25.14	445.14	0.08	60.06	354.88	0.14	53.19	508.62	0.12	0.065	0.065	0.0001279469	0.0005252906	0.0005252906	
ENSMUST000000002346.9	Lgfl1	chr1	+	6050.9	60713626	chr1:60713129-60711443	511.67	0.06	0.06	496.29	79.61	0.06	496.29	45.92	0.92	562.96	62.82	0.9	0.845	0.845	0.001452378	0.005882536	0.005882536	
ENSMUST00000022918.13	Cp4b1	chr7	-	17881.7	16949476	chr7:16949476-169496389	485.29	0.06	0.06	573.66	552.71	0.06	573.66	552.71	0.14	550.66	508.62	0.14	0.065	0.065	0.001502407	0.000682836	0.000682836	
ENSMUST00000034738.13	Rtd241	chr3	+	10407.7	73123003	chr3:7312264-73123333	553.87	0.06	0.06	658.54	302.65	0.06	657.42	238.88	0.7	638.41	227.47	0.64	0.655	0.655	0.0002442982	0.0003041	0.0003041	
ENSMUST00000049744.3	Mkpkp	chr13	+	927.7	17697237	chr13:17696842-17699105	19.86	0.06	0.06	144.54	302.82	0.06	144.54	299.86	0.13	42.89	336.54	0.11	0.11	0.11	0.00253707	0.009616778	0.009616778	
ENSMUST000000000000.0	Pcp2f	chr11	+	9139.9	97189951	chr11:97189951-97190358	538.61	0.14	0.14	488.65	151.61	0.14	488.65	151.61	0.14	488.65	151.61	0.14	0.065	0.065	0.0002632004	0.000466866	0.000466866	
ENSMUST00000106989.7	Cjpb	chr7	+	27195.3	101787706	chr7:101787505-101787810	851.89	0.66	0.66	897.16	729.69	0.55	658.31	427.36	0.61	651.95	391.03	0.63	0.555	0.555	0.002900233	0.018006877	0.018006877	
ENSMUST00000220459.1	Kldins220	chr12	+	1081.6	25057244	chr12:25056882-25058029	186.19	7.06	0.96	176.27	36.36	0.83	246.1	7.06	0.97	221.7	101.03	0.95	0.885	0.885	0.0003375895	0.012415387	0.012415387	
ENSMUST00000220491.9	Baz2a	chr10	+	6761.5	12612893	chr10:12612658-126129303	396.57	79.67	0.83	402.42	81.29	0.83	402.42	6.98	0.99	533.59	77.55	0.87	0.865	0.865	0.00464145	0.014945349	0.014945349	
ENSMUST00000112438.8	E4p0d	chr5	-	1355.8	11066587	chr5:110664378-110686074	309.64	0.93	0.93	26.42	331.14	0.93	26.42	41.71	0.89	315.99	0.87	0.89	0.89	0.006240082	0.018935304	0.018935304		
ENSMUST0000085555.6	Diefx	chr1	-	271	193107352	chr1:193104402-193107786	8.02	21.54	0.03	11.8	213.14	0.03	11.8	169.17	0.1	21.8	193.05	0.1	0.065	0.065	0.000805285	0.026808256	0.026808256	
ENSMUST00000097934.9	Sbp3	chr4	+	4866.2	107048304	chr4:107048024-107048498	421.5	336.09	0.56	423.64	306.31	0.58	508.66	263.46	0.66	511.23	324.77	0.61	0.57	0.57	0.00929575	0.030289523	0.030289523	
ENSMUST00000178928.7	Fmr	chr2	-	362	21874672	chr2:21873589-21874672	122.25	0.22	0.22	159.84	409.5	0.22	159.84	470.88	0.35	194.49	471.28	0.28	0.245	0.245	0.000932086	0.030559758	0.030559758	
ENSMUST00000102928.4	Dnli	chr1	+	9167.1	5800188	chr1:5799860-5800962	290.24	0.56	0.56	358.48	406.18	0.46	376.51	358.89	0.51	376.83	382.24	0.49	0.435	0.435	0.001678715	0.034350703	0.034350703	
ENSMUST0000081654.12	Cotl1a1	chr10	-	3966.7	7705118	chr10:77052178-77053407	251.5	354.15	0.47	247.51	418.68	0.37	391.86	482.23	0.45	337.63	374.3	0.47	0.395	0.395	0.011438007	0.036269625	0.036269625	
ENSMUST000000000000.0	Hm4326	chr2	-	362	21874672	chr2:21873589-21874672	122.25	0.22	0.22	159.84	409.5	0.22	159.84	470.88	0.35	194.49	471.28	0.28	0.245	0.245	0.000932086	0.030559758	0.030559758	
ENSMUST00000002753.12	Sbp3	chr4	+	5467.9	10704831	chr4:107048024-107048567	348.37	397.91	0.42	359.66	359.62	0.5	426.82	339.26	0.56	444.14	380.96	0.54	0.485	0.485	0.001889143	0.042930757	0.042930757	
ENSMUST00000154689.7	Meaf6	chr4	+	512.5	10210803	chr4:125109299-125113328	9.4	7.09	0.05	20.75	207.85	0.05	23.86	191.71	0.11	20.89	213.94	0.09	0.035	0.035	0.0013975742	0.043124991	0.043124991	
ENSMUST00000163396.3	Fam3c	chr6	+	9757.3	22308137	chr6:22307382-22308338	389.49	400.83	0.48	409.8	407.06	0.51	355.23	222.2	0.62	295.25	231.82	0.55	0.495	0.495	0.0015130875	0.046059767	0.046059767	
ENSMUST00000005114.12	No8	chr10	-	10090.6	40223300	chr10:40223346-40223938	77.02	343.13	0.16	95.96	283.23	0.16	95.96	283.23	0.25	82.22	285.42	0.22	0.17	0.17	0.0016330561	0.000991378	0.000991378	
ENSMUST0000022197.1	No8	chr10	-	681.2	49675887	chr10:49678386-49678387	200.84	26.24	0.89	22.44	33.46	0.89	22.44	15.75	0.93	202.71	21.55	0.9	0.86	0.86	0.0017316145	0.001571443	0.001571443	
ENSMUST00000020317.7	Pno1	chr11	-	4596.9	17203481	chr11:17203188-17204001	35.91	48.17	0.58	36.9	304.51	0.54	389.65	251.37	0.61	422.36	239.69	0.64	0.56	0.56	0.0017566302	0.0523901	0.0523901	
ENSMUST000000000000.0	Sigp7	chr3	-	2573.9	12309780	chr3:12309780-12309780	76.14	0.14	0.14	90.8	225.78	0.14	90.8	225.78	0.14	90.8	225.78	0.14	0.14	0.14	0.000209205	0.001160319	0.001160319	
ENSMUST00000043498.7	Hdac3	chr18	-	4372.6	37937235	chr18:37936972-37937663	274.42	315.93	0.47	300.35	324.35	0.48	287.22	242.03	0.54	348.81	295.27	0.54	0.475	0.475	0.00258964	0.060074141	0.060074141	
ENSMUST00000079258.6	Numb1	chr7	-	387	27281086	chr7:27280754-27282141	112.02	20.26	0.1	130.13	0.1	1	130.13	0.1	1	142.08	9.3	0.94	0.905	0.905	0.0021500215	0.06239098	0.06239098	
ENSMUST00000156422.7	Sermad1	chr18	-	1706.5	47249027	chr18:47248383-47249584	393.29	128.55	0.75	439.19	99.33	0.82	355.27	50.31	0.76	427.21	74.74	0.82	0.785	0.785	0.0022177756	0.063978153	0.063978153	
ENSMUST00000049689.9	Wdr73	chr4	+	762.4	80909639	chr4:80909431-80927749	12.27	0.08	0.08	800.96	81.87	0.08	800.96	81.87	0.08	800.96	81.87	0.08	0.085	0.085	0.002453979	0.006894579	0.006894579	
ENSMUST000000088125.10	Apix	chr4	+	251.1	40868392	chr4:40862382-40869713	4.91	130.56	0.04	6.21	128.4	0.05	0.05	17.18	147.27	0.1	18.04	131.73	0.12	0.045	0.045	0.0025962008	0.073096972	0.073096972
ENSMUST00000058829.8	Klf2c	chr10	-	11522.5	46919688	chr10:46919688-46920495	142.49	0.48	0.48	169.108	149.69	0.48	169.108	149.69	0.48	169.108	149.69	0.48	0.48	0.48	0.0025962008	0.073096972	0.073096972	
ENSMUST00000167943.7	Nup107	chr10	-	11778	117750768	chr10:117750624-117750967	155.63	169.63	0.34	169.63	169.63	0.34	169.63	169.63	0.34	169.63	169.63	0.34	0.035	0.035	0.0025962008	0.073096972	0.073096972	
ENSMUST00000084782.9	Arfp2	chr7	-	3384.9	105635823	chr7:105631519-10563933	64.33	322.59	0.17	59.91	340.58	0.18	61.18	283.96	0.18	61.18	283.96	0.18	0.16	0.16	0.0028837823	0.079643356	0.079643356	
ENSMUST00000197573.11	Melap1	chr3	-	5153.7	138478729	chr3:138475529-138479830	14.21	170.86	0.08	14.21	170.86	0.08	140.59	19.58	0.13	20.48	149.22	0.13	0.085	0.085	0.0028810778	0.079712475	0.079712475	
ENSMUST00000111918.9	Plkha1	chr8	-	11192.6	37306831	chr8:37306831-37309821	1192.6	237.77	0.48	187.26	237.77	0.48	187.26	237.77	0.48	187.26	237.77	0.48	0.225	0.225	0.0028810778	0.079712475	0.079712475	
ENSMUST00000044776.12	Gla2	chr10	+	730	12820667	chr10:128209828-12820908	57.53	242.94	0.1	185.92	242.94	0.1	185.92	22.22	0.89	205.72	2.24	0.99	0.875	0.875	0.0003519542	0.083755452	0.083755452	
ENSMUST00000002409.14	Spzfp2	chr11	-	2595	7625060	chr11:76251198-76257447	23.43	0.09	0.09	40.49	299.65	0.09	40.49	182.52	0.12	188.17	36.93	0.23	0.195	0.195	0.0023947268	0.089420891	0.089420891	
ENSMUST000000000000.0	Glyp1f	chr5	+	4252.1	137529904	chr5:137525652-137527935	266.63	156.73	0.23	246.09	100.82	0.21	305.14	83.72	0.78	290.19	130.26	0.69	0.67	0.67	0.0035134997	0.082462626	0.082462626	
ENSMUST00000186033.6	Ipo11	chr13	-	1595.5	10679556	chr13:106794439-10679556	22.72	0.76	0.76	226.72	347.25	0.76	226.72	347.25										

ENSMUST0000173801.7	Syncrip	chr9	-	2927.4		chr9:8845578-88456729	76.3	1231.07	0.06	80.61	1333.88	0.06	105.07	785.16	0.12	114.65	914.41	0.11	0.06	0.06	0.115	-0.055	1.30E-06	8.93E-06	
ENSMUST0000020081.10	Zwint	chr10	+	10406.8		chr10:72673966-72674964	769.80	113	0.87	822.94	21.54	0.97	850.98	27.89	0.93	623.68	0	1	0.52	0.975	0.05	-0.055	1.77E-06	4.30E-05	
ENSMUST000016178.10	Zp280b	chr10	+	2389.9		chr10:76038234-76043234	295.3	36.27	0.1	238.99	1.06	1	238.99	0.1	0.15	322.98	0	1	0.45	0.945	0.05	-0.055	2.06E-06	1.51E-05	
ENSMUST0000001479.4	Knbn1	chr11	-	25684.4		chr11:9716047-97162681	1888.6	2369.09	0.52	1888.6	1737.29	0.58	2303.63	6.83	0.23	623.18	1743.42	0.58	0.55	0.65	0.05	-0.055	6.92E-06	1.30E-05	
ENSMUST0000110708.3	Srp54a	chr12	+	29024.2		chr12:55187860-55189573	64.2	900.12	0.06	60.74	1002.19	0.06	60.74	1002.19	0.06	100.132	780.55	0.10	0.11	0.06	0.115	-0.055	1.05E-05	6.40E-05	
ENSMUST0000105429.5	18100037H17Rk	chr3	+	51960		chr3:122625479-12263184	59.2	914.77	0.07	59.2	914.77	0.07	59.2	914.77	0.07	748.22	0.13	0.17	0.85	0.12	0.06	0.125	-0.055	3.58E-05	0.00199532
ENSMUST0000001485.9	Mxrd1	chr13	+	3058.4		chr13:97048367-97048691	659.41	63.74	0.85	659.41	63.74	0.85	659.41	63.74	0.85	628.34	0.21	0.28	0.88	0.05	0.05	0.055	0.00001084	0.00021667	
ENSMUST0000212349.1	Bcar1	chr14	+	15440.8		chr14:111704717-11171394	94.17	300.73	0.72	94.17	300.73	0.72	94.17	300.73	0.72	1209.68	314.75	0.79	1421.91	311.91	0.21	0.74	0.805	0.00019882	0.00097540
ENSMUST00000062706.12	Cd5d	chr15	+	13231.8		chr15:189211116-18923936	21.51	559.64	0.04	21.51	559.64	0.04	54.36	562.26	0.09	60.55	573.7	0.1	0.74	0.04	0.05	-0.055	0.000291863	0.00138906	
ENSMUST0000033832.10	Fa14b4b	chr15	+	4698.8		chr15:63920063-63921679	49.26	49.26	0.04	49.26	49.26	0.04	49.26	49.26	0.04	76.68	493.69	0.11	0.11	0.04	0.05	-0.055	0.00038989	0.01845868	
ENSMUST000020377.12	Tcf3	chr16	+	18415.2		chr16:80409680-80410274	927.88	286.24	0.78	931.77	931.78	0.82	1033.52	226.66	0.82	1063.26	219.27	0.83	0.77	0.825	0.05	-0.055	0.000582829	0.00205646	
ENSMUST0000169399.7	Rfd24f1	chr19	+	2342.9		chr19:73122624-73122712	903.4	184.87	0.83	935.35	184.87	0.83	935.35	184.87	0.83	746.12	74.53	0.92	0.85	0.805	-0.055	0.000936809	0.00395923		
ENSMUST000038719.10	Su16	chr18	+	4703.8		chr18:34598933-34599241	25.43	55.39	0.95	25.43	55.39	0.95	25.43	55.39	0.95	452.77	55.11	0.77	0.77	0.77	0.77	0.05	0.000121008	0.0001105	
ENSMUST0000222310.1	Cdc85c	chr12	-	92.16		chr12:10820302-108206434	275.57	54.17	0.84	288.02	0	1	263.66	0	1	318.59	16.73	0.95	0.92	0.95	0.975	-0.055	0.001439131	0.00583778	
ENSMUST0000133181.1	Cdc23	chr18	-	1454.6		chr18:34633955-34634164	453.02	64.28	0.88	481.06	113.87	0.81	515.01	65.29	0.89	538.01	50.05	0.91	0.845	0.91	-0.055	0.001865351	0.00736222		
ENSMUST0000084846.11	Sm1	chr4	+	27263.1		chr4:135320491-135321454	834.46	393.93	0.89	964.48	363.53	0.72	1050.71	362.98	0.74	973.97	292.21	0.77	0.77	0.77	0.77	-0.055	0.002352839	0.00892999	
ENSMUST0000012818.10	Scrt1a	chr7	+	44562.5		chr7:8091537-80915904	297.81	942.14	0.24	341.52	1032.56	0.24	341.52	1032.56	0.24	283.63	711.31	0.29	0.24	0.24	0.24	-0.055	0.000269192	0.01010548	
ENSMUST00000812828.7	Pamd8	chr4	+	15820.5		chr4:29174188-29174744	687.1	468.58	0.69	779.67	524.09	0.6	771.9	390.15	0.66	821.04	462.33	0.64	0.595	0.65	0.055	0.002751931	0.010344743		
ENSMUST000001213267	Srnf11	chr3	+	53941.7		chr3:158011473-158012203	318.4	824.66	0.28	321.44	949.35	0.27	397.35	781.3	0.34	394.95	839.19	0.32	0.275	0.33	0.055	0.006264797	0.021591077		
ENSMUST00000052682.2	Mact1	chr10	+	46522.3		chr10:37134930-37135935	159.08	753.02	0.18	159.08	770.45	0.18	205.66	655.53	0.24	222.1	780.39	0.22	0.175	0.23	-0.055	0.000975926	0.02306212		
ENSMUST0000300797.3	Vamp3	chr4	+	10580.2		chr4:151047300-151049046	377.43	142.02	0.73	428.13	46.82	0.9	426.7	72.4	0.85	461.05	55.62	0.89	0.85	0.85	-0.055	0.007088137	0.02977897		
ENSMUST0000212899.1	Gm2d47	chr8	+	61927.2		chr8:121838651-121841178	551.16	259.31	0.69	517.55	264.72	0.69	915.86	285.93	0.76	857.73	329.05	0.72	0.685	0.74	-0.055	0.00739262	0.024844702		
ENSMUST00001172177.17	Numb	chr12	-	1898		chr12:83784034-83786154	151.55	17.84	0.9	168.83	4.37	0.97	200.11	0.78	1	191.07	4.18	0.98	0.935	0.99	-0.055	0.008143724	0.027021977		
ENSMUST000014063.6	Axva6	chr11	+	14063.6		chr11:545979108-545979521	574.81	182.27	0.68	534.15	156.29	0.77	562.25	159.2	0.78	522.2	177.5	0.72	0.775	0.755	-0.055	0.008978278	0.028292335		
ENSMUST0000003450.14	Dax23	chr15	+	10252.4		chr15:98645134-98646107	573.83	226.08	0.78	618.64	279.9	0.89	534.28	190.46	0.74	590.19	168.18	0.78	0.705	0.74	-0.055	0.00909744	0.029758854		
ENSMUST0000155672.7	Ppp2r2d	chr7	+	7139.8		chr7:138882699-138883054	449.91	40.48	0.53	449.91	44.26	0.51	450.4	323.04	0.58	482.14	358.51	0.57	0.52	0.575	-0.055	0.012475774	0.03940338		
ENSMUST0000148446.18	A9304052Rk	chr10	+	361.8		chr10:822997358-822998345	119.26	11.05	0.21	119.26	14.73	0.2	119.26	14.73	0.2	118.87	12.16	0.2	0.945	0.95	-0.055	0.01433418	0.04045158		
ENSMUST0000084882.8	Crip2	chr12	+	1739.2		chr12:113144693-113145006	342.49	99.21	0.77	391.02	66.25	0.86	333.99	46.36	0.88	399.67	63.53	0.86	0.815	0.87	0.055	0.01993845	0.05845648		
ENSMUST00000032124.28	Mtp19	chr6	+	3396.4		chr6:81959518-81962162	41.59	37.4	0.97	41.59	40.82	0.11	71.49	371.43	0.16	63.29	329.61	0.16	0.105	0.16	-0.055	0.01999326	0.05891716		
ENSMUST000002209.6	Cox6b1	chr10	+	4146.8		chr10:28464328-28465038	23.67	27.07	0.97	23.67	27.07	0.97	23.67	27.07	0.97	23.67	27.07	0.97	0.97	0.97	0.97	-0.055	0.00012296	0.00012296	
ENSMUST0000118808.7	Emc10	chr7	+	146234.0		chr7:44489357-44490970	538.32	477.73	0.53	743.09	357.99	0.67	754.62	371.64	0.67	611.62	351.41	0.64	0.6	0.65	-0.055	0.021269646	0.061749337		
ENSMUST000043152.5	Utp6	chr11	+	7808.3		chr11:79933953-79936109	81.85	85.17	0.98	81.85	85.17	0.98	81.85	85.17	0.98	81.85	85.17	0.98	0.98	0.98	0.98	-0.055	0.024852126	0.070557388	
ENSMUST0000088929.5	Mtp1a	chr2	+	2643.8		chr2:121494463-121494463	47.31	46.58	0.94	46.58	306.24	0.13	85.55	342.07	0.2	90.96	401.51	0.18	0.135	0.19	-0.055	0.02795091	0.07790441		
ENSMUST0000144017.1	Pm21	chr5	+	309.5		chr5:143931139-14393124	4.98	14.24	0.96	4.98	14.24	0.96	4.98	14.24	0.96	4.98	14.24	0.96	0.96	0.96	0.96	-0.055	0.000339618	0.000339618	
ENSMUST0000071016.2	Gm13199	chr2	+	7893.5		chr2:5862286-5862296	59.17	59.17	0.09	59.17	386.09	0.09	79.99	341	0.19	58.18	329.77	0.15	0.115	0.115	-0.055	0.028383227	0.078748666		
ENSMUST0000186726.1	Ubn2q1	chr3	+	3362.6		chr3:89782557-89782744	437.26	96.89	0.7	437.26	211.44	0.6	507.89	176.39	0.74	488.8	242.29	0.67	0.65	0.65	-0.055	0.030968134	0.04879865		
ENSMUST0000195952.3	94S04052Rk	chr15	+	11180.3		chr15:11180524-11180524	60.83	60.83	0.73	60.83	60.83	0.73	60.83	60.83	0.73	60.83	60.83	0.73	0.73	0.73	0.73	-0.055	0.000121008	0.000121008	
ENSMUST0000129047.7	Rpusd3	chr6	+	5313.8		chr6:113416106-113416646	2.51	116.64	0.03	9.12	62.67	0.03	9.12	62.67	0.03	18.49	147.3	0.11	0.03	0.05	-0.055	0.031187696	0.085299478		
ENSMUST0000112055.7	Ola1	chr2	+	3224.5		chr2:73092022-73092374	349.81	200.68	0.78	349.81	144.22	0.75	388.71	132.15	0.75	419.91	139.4	0.75	0.695	0.695	-0.055	0.036926767	0.09840333		
ENSMUST00000044689.3	Gmap	chr4	+	9445.1		chr4:12488292-124890057	438.43	10.53	0.53	438.43	11.11	0.53	371.87	11.7	0.55	371.87	11.7	0.55	0.55	0.55	-0.055	0.037675726	0.09696473		
ENSMUST00000002414.1	Ntng4	chr10	+	57442.0		chr10:101971154-12270822	1894.73	3344.73	0.86	1894.73	1534.73	0.86	1755.25	3140.75	0.87	14997.28	3124.83	0.86	0.865	0.84	0.84	-0.055	0.0006233	0.0006233	
ENSMUST0000107510.9	Arhge2f	chr3	+	18619.4		chr3:88646789-88648050	475.58	0	1	520.37	0	1	653.14	60.86	0.92	73.83	19.3	0.97	1	0.945	0.945	-0.055	1.18E-09	1.32E-08	
ENSMUST00000025096.7	Cozf42i	chr17	+	285654.7		chr17:83501919-83502737	1407.49	48.92	0.97	1566.76	112.08	0.93	1434.34	178.85	0.99	1543.29	176.1	0.9	0.95	0.895	0.895	-0.055	3.57E-09	3.29E-08	
ENSMUST0000117448.7	Kjamy1	chr12	+	5551.1		chr12:72100619-72101300	339.24	0	0	339.24	0	0	339.24	0	0	339.24	0	0	0	0	0	-0.055	0.000121008	0.000121008	
ENSMUST0000274225.15	Itm2c	chr1	+	25044		chr1:85907457-85908675	753.42	40.51	0.95	830.79	30.93	0.93	676.86	86.7	0.89	588.96	60.77	0.91	0.955	0.91	0.955	0.955	0.31E-06	2.05E-05	
ENSMUST00000099931.10	Sean1	chr10	+	1348.1		chr10:41907274-41908424	215.79	0	1	221.39	0	1	209.6	0	1	199.03	24.82	0.89							

ENSMUST0000112697.9	Maged2	chrX	-	2045.9	150809936	chrX:150806717-150807181	622.69	0	1	597.98	11.25	0.98	598.41	0	1	481.45	91.53	0.84	0.99	0.92	0.07	6.75E-10	6.62E-09		
ENSMUST0000107920.9	Srnf1	chr10	+	6163.7	86050178	chr1:18804977-86050174	1498.14	185.21	0.89	151.17	185.51	0.87	1794.26	374.64	0.83	1688.43	378.1	0.81	0.89	0.82	0.07	1.49E-09	1.42E-08		
ENSMUST0000095510.14	Aisp1	chr4	+	1274.6	13744205	chr4:137741733-13742702	288.99	1.17	0.96	1.17	1.17	0.96	241.13	19.6	0.95	300.39	29.04	0.91	0.91	0.82	0.07	1.78E-07	1.38E-06		
ENSMUST0000026475.14	Ddk3	chr10	+	1470.1	12729600	chr10:127295723-127296221	351.8	0	1	312.71	10.17	0.87	664.66	49.1	0.93	640.02	73.15	0.99	0.985	0.915	0.07	1.91E-06	1.28E-05		
ENSMUST0000096441.3	Morc2a	chr1	+	8798.7	3690703	chr1:3889035-3690477	517.27	25.47	0.92	581.22	17.08	0.97	581.22	61.16	0.89	515.41	64.99	0.89	0.9	0.87	0.07	2.21E-06	1.47E-05		
ENSMUST0000032237.7	Bms1	chr6	-	4062.1	116383549	chr6:116383381-116383765	635.7	57.37	0.95	676.84	23.96	0.97	626.75	117.57	0.84	705.53	72.99	0.91	0.945	0.875	0.07	7.87E-06	4.58E-05		
ENSMUST0000030971.6	Azfp3	chr4	+	2964.7	40966191	chr4:40966154-4096735	425.85	0.54	0.95	425.85	0.54	0.95	425.85	0.54	0.95	425.85	0.54	0.95	0.945	0.875	0.07	8.76E-06	5.48E-05		
ENSMUST0000106188.83	Poy2	chr1	-	2415.2	120610563	chr1:120610417-120610781	72.27	79.78	0.91	79.78	71.13	0.93	699.93	129.22	0.83	561.07	90.48	0.86	0.915	0.845	0.07	7.43E-05	0.00039324		
ENSMUST0000097946.9	Ctbp1	chr5	-	4277.4	323426102	chr5:32342773-323428886	594.2	49.29	0.91	526.69	49.29	0.91	696.92	94.02	0.84	566.35	107.01	0.84	0.915	0.84	0.07	0.000151285	0.000758986		
ENSMUST0000023086.11	Trip17	chr12	+	6118.2	121192626	chr12:121192626-121192683	72.27	79.78	0.91	79.78	71.13	0.93	699.93	129.22	0.83	561.07	90.48	0.86	0.915	0.845	0.07	0.000197179	0.000758986		
ENSMUST0000025479.11	Tnk2	chr9	+	6815.7	36892711	chr9:36890741-36893477	593.33	33.59	0.85	662.19	31.42	0.86	662.19	31.42	0.58	1047.72	672.85	0.61	0.665	0.595	0.07	0.000341678	0.001596297		
ENSMUST0000054547.11	Tnfr2	chr15	-	7093	77915406	chr15:77915407-77915857	547.77	254.52	0.68	617.84	295.57	0.68	517.57	402.55	0.57	625.16	62.05	0.65	0.665	0.61	0.07	0.001648496	0.00691505		
ENSMUST0000038171.1	Egr2	chr11	+	8484.9	48151923	chr11:48151923-481519703	391.86	39.86	0.91	391.86	39.86	0.91	391.86	39.86	0.91	391.86	39.86	0.91	0.915	0.845	0.07	0.001278533	0.00515305		
ENSMUST00001078202.	Epn2	chr12	+	8484.9	61518932	chr12:61517250-61519707	374.57	71.55	0.84	386	39.1	0.91	398.26	63.79	0.86	413.79	138.6	0.75	0.875	0.805	0.07	0.002788823	0.010451535		
ENSMUST0000119211.7	Gze3	chr11	+	818.8	51372631	chr11:51372632-51373267	354.93	43.32	0.89	347.85	0	1	275.11	40.03	0.87	274.91	36.95	0.88	0.945	0.875	0.07	0.003773191	0.01570247		
ENSMUST0000050289.8	Kdm4a	chr4	-	7572.4	116123232	chr4:116123233-116125553	26.66	208.99	0.11	32.42	175.14	0.16	25.52	354.11	0.07	21.01	357.35	0.08	0.135	0.065	0.07	0.0004194895	0.014769477		
ENSMUST0000050476.10	Slc35a4	chr18	+	3716.5	36892129	chr18:36891874-36893353	256.61	51.7	0.94	256.61	51.7	0.94	256.61	51.7	0.94	256.61	51.7	0.94	0.915	0.845	0.07	0.000292232	0.01839994		
ENSMUST0000053699.12	Sec23bp2	chr2	-	300.1	12547016	chr2:12573686-125740917	94.02	0	1	81.22	0	1	93.22	0	1	101.72	16.34	0.86	1	0.07	0.000835746	0.028224929			
ENSMUST0000106964.1	Nes	chr3	+	4884.7	87976914	chr3:87976713-87980451	290.11	42.27	0.87	283.67	42.27	0.87	283.67	42.27	0.9	246.91	83.88	0.75	0.75	0.885	0.815	0.07	0.011287454	0.033754465	
ENSMUST0000052875.11	Cacng7	chr7	+	1324.2	3687192	chr7:3686955-3686221	331.44	83.65	0.94	69.27	30.84	0.92	330.74	130.97	0.72	360.31	101.98	0.78	0.82	0.75	0.07	0.01287454	0.033754465		
ENSMUST0000058137.8	Rab16	chr2	-	2051.1	25583555	chr2:25583018-25583988	395.28	91.94	0.77	421.17	152.03	0.73	403.78	174.72	0.77	385.07	164.54	0.77	0.77	0.7	0.07	0.01954802	0.037077046		
ENSMUST0000107725.2	Tgfr1	chr4	+	142.5	47410853	chr4:47410854-47411035	235.04	0	1	235.04	0	1	235.04	0	1	235.04	0	1	0.79	0.79	0.91	0.84	0.07	0.014868929	0.04538614
ENSMUST000012028.13	Gtp	chr5	-	1531.3	114670244	chr5:114689399-114670589	275.04	81.2	0.77	305.53	274.54	0.69	301.53	123.92	0.69	301.53	123.92	0.74	0.785	0.715	0.07	0.015694047	0.047504993		
ENSMUST00000204731.31	Rmtdb	chr6	+	4619.1	12245265	chr6:122454280-122456663	245.29	22.1	0.95	228.65	22.1	0.95	201.9	182.9	0.84	178.06	291.05	0.58	0.46	0.49	0.07	0.019754883	0.05800633		
ENSMUST0000055756.7	Cog7	chr7	-	185	121923267	chr7:121922839-121923468	84.44	110.89	0	1	88.52	23.62	0.81	107.82	0	1	0.975	0.905	0.905	0.875	0.07	0.02257561	0.06484836		
ENSMUST0000022089.9	Med10	chr13	+	2597.8	69815880	chr13:69815591-69816104	414.16	164.37	0.72	411.93	256.97	0.62	367.59	301.73	0.55	452.84	240.31	0.65	0.67	0.67	0.07	0.025040235	0.017029796		
ENSMUST0000050552.6	Tgpt1	chr10	+	1969.3	7957500	chr10:79574400-79591127	251.23	74.95	0.94	251.23	74.95	0.94	251.23	74.95	0.94	251.23	74.95	0.94	0.945	0.875	0.07	0.033240323	0.000159689		
ENSMUST0000119274.1	Slk38	chr17	+	6971.1	28972380	chr17:28972377-28972676	466.49	47.56	0.94	475.66	47.56	0.94	455.18	43.47	0.91	486	28.47	0.94	0.925	0.915	0.07	5.61E-11	5.93E-10		
ENSMUST0000097973.13	Cenrlg2	chr10	+	28962	80940488	chr10:80940022-80940741	1037.55	179.41	0.85	1152.1	222.5	0.84	953.84	330.6	0.74	1033.96	263.93	0.8	0.845	0.845	0.07	1.22E-06	8.39E-06		
ENSMUST0000051213.13	Qdr	chr12	+	2203.7	45543405	chr12:45543405-45543478	512.02	45.07	0.86	512.02	45.07	0.86	512.02	45.07	0.86	512.02	45.07	0.86	0.865	0.865	0.07	0.000198405	0.000758986		
ENSMUST0000102591.9	Tmem234	chr4	+	62324	12960764	chr4:129607456-129608331	786.27	104.78	0.88	852.22	184.9	0.82	787.41	253.66	0.76	766.43	253.33	0.79	0.85	0.775	0.07	9.15E-06	5.64E-05		
ENSMUST000003321.6	Nomop1	chr7	+	4239.3	46084041	chr7:46083803-46084212	693.14	26.8	0.88	539.09	26.8	0.88	539.09	26.8	0.79	534.78	58.14	0.9	0.92	0.845	0.07	1.54E-05	9.11E-05		
ENSMUST0000108899.7	Tnm1	chr11	+	3832	58989037	chr11:58988936-58991455	177.64	0	1	169.19	0	1	180.44	32.34	0.85	153.22	64.2	0.84	0.925	0.915	0.07	4.4E-05	0.000138405		
ENSMUST0000108849.8	Slc12a7	chr2	+	1049.7	19249131	chr2:19249118-19249795	104.93	30.39	0.92	924.84	18.2	0.95	924.84	18.2	0.95	924.84	18.2	0.95	0.985	0.985	0.07	0.000298254	0.000298254		
ENSMUST0000107075.8	Gjc1	chr1	+	2038.4	102800504	chr1:102799579-102801195	592.89	61.07	0.95	537.66	56.49	0.99	537.66	56.49	0.99	537.66	56.49	0.99	0.985	0.985	0.07	2.48E-05	0.000250753		
ENSMUST0000021226.13	Luz7	chr13	+	20564.6	94292831	chr13:94292832-94293032	569.94	83.84	0.87	566.26	24.79	0.96	638.99	104.48	0.86	522.59	112.02	0.82	0.915	0.84	0.07	7.43E-05	0.00039382		
ENSMUST0000050526.6	Mafk	chr15	+	15416.8	69380548	chr15:69380549-69381273	154.16	74.46	0.85	167.46	74.46	0.85	167.46	74.46	0.85	167.46	74.46	0.85	0.845	0.845	0.07	0.00027765	0.00027765		
ENSMUST00000301815.11	Krb1	chr6	+	359.1	48415794	chr6:48415784-48416004	134.29	47.5	0.99	143.3	0	1	171.37	36.99	0.82	183.03	0	1	0.985	0.915	0.07	0.001966545	0.007714312		
ENSMUST0000031895.12	Casp2	chr6	+	1149.8	42286992	chr6:42286346-42288258	142.89	91	0	1	153.6	28.88	0.84	156.8	13.48	0.92	156.8	13.48	0.92	0.955	0.88	0.07	0.004977277	0.017551927	
ENSMUST0000160096.1	Nyc	chr15	+	539	11898999	chr15:11898945-11899253	103.45	0	1	103.45	0	1	8.63	0.89	0.77	8.63	0.86	0.91	0.915	0.845	0.07	0.007547662	0.025285999		
ENSMUST0000050000.229.12	Etm4	chrX	+	12634.2	74257307	chrX:74257307-74257887	195.42	318.34	0.46	226.97	318.34	0.46	226.97	318.34	0.46	226.97	318.34	0.46	0.45	0.45	0.07	0.000198405	0.000198405		
ENSMUST0000097715.2	Mrp43	chr5	+	8627.7	45005503	chr5:45005504-45005940	356.02	237.91	0.65	341.32	194.38	0.65	341.32	194.38	0.65	341.32	194.38	0.65	0.625	0.625	0.07	0.000787103	0.026289977		
ENSMUST0000197022.11	Ankrd17	chr5	+	988.8	92028861	chr5:92028774-92029341	331.81	72.57	0.82	324.89	59.89	0.84	285.89	113.58	0.72	374.23	96.86	0.79	0.835	0.755	0.07	0.00984766	0.03184148		
ENSMUST0000050526.6	Tgpt1	chr10	+	1969.3	7957500	chr10:79574400-79591127	251.23	74.95	0.94	251.23	74.95	0.94	251.23	74.95	0.94	251.23	74.95	0.94	0.945	0.875	0.07	0.033240323	0.000159689		
ENSMUST0000032109.4	Ino80b	chr6	+	1121.1	83122053	chr6:83122138-83122364	177.77	50.97	0.78	254.43	50.7	0.83	225.85	47.96	0.82	226.42	126.16	0.64	0.805	0.73	0.07	0.014023566	0.043255178		
ENSMUST0000164416.7	Pcd2	chr8	+	771.6	13072566	chr8:13077189-13078289	251.15	28.1	0.87	244.43	36.96	0.87	241.74	45.39											

ENSMUST0000112861.7	Zp63r	chr6	+	207.9	117845226	chr6:117845025-117845956	102.68	0	1	114.68	7.56	0.94	109.51	13.45	0.89	123.41	56.73	0.88	0.97	0.885	0.085	0.012425859	0.038929963		
ENSMUST0000171557.6	9930021JDR3Rk	chr9	-	264.3	29719401	chr9:29715575-29719806	91.24	0	0.96	84.31	0	1	78.35	8.44	0.9	82.32	10.06	0.89	0.98	0.885	0.085	0.018128746	0.053836064		
ENSMUST0000154724.1	Gm219B3	chr7	+	962.6	27168803	chr7:27168803-27168824	170.19	0	0.83	170.7	0.72	0.8	147.18	11.86	0.78	141.82	11.14	0.8	0.97	0.98	0.985	0.085	0.020271269	0.06073463	
ENSMUST0000182659.7	Rbm5	chr9	-	2955.5	10774075	chr9:10774073-107741002	184.35	0	0.99	200.97	142.26	0.59	223.02	208.09	0.52	176.02	24.71	0.41	0.55	0.485	0.085	0.031209271	0.085339841		
ENSMUST0000030550.10	Nkx2	chr1	-	127062633	chr1:172066013-172066796	412.44	0	0.84	306.49	0	1	342.59	0	0.86	322.16	0.27	0.92	0.92	0.98	0.98	0.085	0.0295E-08	2.54E-07		
ENSMUST0000102672.4	Ncch2	chr2	-	204.2	75676967	chr2:75675515-75677184	306.13	0	0.96	306.13	18.95	0	214.94	98.36	0.92	232.51	27.39	0.89	0.985	0.985	0.085	0.0295E-08	2.54E-07		
ENSMUST000007889.9	Apol1	chr4	+	2531.0	126438762	chr4:126438512-126439611	171.36	0	0.96	171.36	0	1	164.89	10.47	0.96	163.77	30.87	0.92	0.92	0.98	0.085	0.0295E-08	2.54E-07		
ENSMUST0000037941.9	Cb1	chr7	+	3820.6	143067729	chr7:143067312-143067934	722.35	0	0.88	810.66	90.08	0.8	680.7	188.56	0.97	588.97	24.75	0.83	0.89	0.60	0.08	0.08	0.016E-07	3.04E-06	
ENSMUST0000163186.1	Rm17231	chr9	+	273.3	57834708	chr9:57833877-57834200	233.95	0	1	183.11	0	1	198.74	22.13	0.9	265.95	12.42	0.92	1	0.91	0.08	0.0295E-08	5.84E-05		
ENSMUST0000026243.3	Mgpw4f	chr19	+	23484.7	45762061	chr19:45762061-45761790	184.74	0	0.94	184.74	15.26	0.9	163.04	21.69	0.94	163.04	21.69	0.94	0.98	0.98	0.085	0.085	0.0295E-08	5.84E-05	
ENSMUST0000126664.7	Atp10d	chr5	+	4210.8	72297211	chr5:72296928-72298775	190.15	0	1	223.29	0	1	191.03	0	1	142.71	32.23	0.82	1	0.91	0.08	0.0295E-08	5.84E-05		
ENSMUST0000001947.6	Rnd2	chr1	+	5108.1	101471259	chr1:101471058-101471983	596.58	102.13	0.85	650.82	152.45	0.81	516.13	184.9	0.75	591.39	22.71	0.73	0.83	0.54	0.08	0.0295E-08	5.84E-05		
ENSMUST0000045424.3	Rpn4	chr8	+	757.8	35275713	chr8:35275706-35275785	157.38	0	0.92	157.38	3.42	0.9	157.38	0	0.98	157.38	0	0.98	0.98	0.98	0.085	0.085	0.0295E-08	5.84E-05	
ENSMUST0000033009.15	Thap12	chr7	+	787.6	98716271	chr7:98714982-98718062	152.18	0	0.95	200.91	0	1	194.97	29.91	0.87	204.67	23.71	0.9	0.975	0.975	0.085	0.085	0.000275982	0.001310872	
ENSMUST0000030948.15	Dv1	chr4	+	5773.1	155885730	chr4:155885793-15589268	385.16	0	1	360.97	84.12	0.81	379.74	123.01	0.81	351.54	27.34	0.74	0.83	0.885	0.085	0.085	0.000281176	0.001332765	
ENSMUST0000027888.12	Ab2	chr7	+	1347.5	156841229	chr7:156840993-156842718	103.65	0	1	92.56	1.06	0.99	103.28	7.15	0.94	117.49	18.19	0.87	0.995	0.985	0.085	0.085	0.000697479	0.003031388	
ENSMUST0000176265.12	Usp9	chr4	+	537.9	37091988	chr4:37091878-37092861	211.81	0	0.86	209.1	34.83	0.8	209.1	0	0.81	251.49	45.68	0.85	0.92	0.92	0.085	0.085	0.001421171	0.00572264	
ENSMUST000016780.07	Card1	chr17	+	1733	48417008	chr17:48416684-48417254	370.34	102.86	0.8	365.47	102.86	0.7	361.22	119.33	0.75	329.3	73.23	0.66	0.78	0.985	0.085	0.085	0.00084147	0.00181417	
ENSMUST0000009690.10	Dok20	chr3	-	652	105678813	chr3:105678720-105679712	193.3	34.62	0.85	236.29	0	1	190.26	32.93	0.85	202.85	43.52	0.82	0.925	0.925	0.085	0.085	0.000382661	0.01380347	
ENSMUST000001723.14	Znf117	chr10	+	978.1	110941422	chr10:110941370-110942631	126.01	0.36	0.9	134.69	0	1	115.67	0	1	90.19	28.31	0.77	0.975	0.975	0.085	0.085	0.002912953	0.078143932	
ENSMUST0000030588.12	Phc2	chr4	+	823.5	128752024	chr4:128751500-128752881	167.74	10.57	0.93	153.51	17.16	0.94	153.51	23.24	0.87	154.55	33.15	0.82	0.935	0.935	0.085	0.085	0.006115992	0.021094977	
ENSMUST0000035199.12	Rbm5	chr9	-	1497.7	107740773	chr9:107740500-107741402	240.45	28.25	0.75	256.35	90.49	0.74	229.44	144.51	0.67	233.19	20.16	0.54	0.695	0.695	0.085	0.085	0.009843507	0.029234794	
ENSMUST0000034030.14	Tmem194c	chr6	+	672.9	77589979	chr6:77589979-77590160	247.99	95.19	0.72	286.85	60.62	0.61	242.66	103.51	0.7	200.75	107.59	0.65	0.765	0.765	0.085	0.085	0.0009834703	0.031005253	
ENSMUST0000049339.9	Nodal	chr10	+	4617.0	61425008	chr10:61424484-61425338	204.03	125.72	0.69	252.49	16.11	0.94	223.48	29.28	0.81	153.09	53.55	0.74	0.865	0.865	0.085	0.085	0.012972326	0.040435248	
ENSMUST0000063308.3	Rfc8	chrX	+	337.2	53682030	chrX:53680832-53680832	75.76	0.76	0.82	75.76	0	1	66.83	21.75	0.75	75.64	0	1	0.965	0.965	0.085	0.085	0.0311275	0.040817402	
ENSMUST0000011821.8	Cwc22	chr2	+	1472.9	77896021	chr2:77896025-7789678	206.51	102.65	0.67	217.43	134.19	0.62	186.87	199.16	0.48	256.39	147.59	0.63	0.645	0.645	0.085	0.085	0.027467172	0.078777674	
ENSMUST0000020969.3	Gat3	chr3	+	970.8	4222192	chr3:4221943-4222405	190.38	54.33	0.8	210.18	0	1	133.89	68.23	0.66	176.98	56.17	0.77	0.905	0.905	0.085	0.085	0.022912953	0.078143932	
ENSMUST00000113493.7	Exoc1	chr5	+	447.6	76569998	chr5:76569816-76570285	116.86	14.21	0.68	144.34	17.65	0.68	144.34	78.96	0.65	110.35	127.07	0.46	0.615	0.615	0.085	0.085	0.033807536	0.098706986	
ENSMUST0000010121.8	Nup62ol	chrX	+	205.3	140007636	chrX:14000805-140007866	122.24	24.57	0.83	121.28	0	1	154.49	35.09	0.81	161.16	31.77	0.84	0.945	0.945	0.085	0.085	0.034735807	0.09341361	
ENSMUST00000120989.9	Gm122	chr7	+	2144	76414806	chr7:76414806-76414829	540.66	5.07	0.81	540.66	0	1	402.02	140.64	0.87	402.02	140.64	0.87	0.94	0.94	0.085	0.085	0.0009834703	0.031005253	
ENSMUST0000034278.5	Gm2	chr8	+	5818.5	120581610	chr8:120581390-120581811	614.29	80.92	0.88	660.13	47.84	0.93	537.54	129.28	0.81	533.46	123.13	0.81	0.905	0.905	0.085	0.085	0.0295E-08	5.84E-05	
ENSMUST0000018855.2	Dv1	chr4	+	6708.9	155882866	chr4:155882993-155888878	395.96	5.75	0.99	385.99	65.91	0.85	412.11	0.8	0.98	369.69	67.75	0.85	0.925	0.925	0.085	0.085	0.0295E-08	5.84E-05	
ENSMUST00000213874.1	Usp28	chr9	+	4315	45042192	chr9:45041374-49042510	378.68	74.84	0.93	465.86	14.21	0.97	374.49	108.2	0.78	424.14	85.08	0.83	0.9	0.905	0.905	0.085	0.085	0.0295E-08	5.84E-05
ENSMUST0000021497.8	Usp28	chr9	+	5693.8	102239406	chr9:102239406-102239412	201.7	15.51	0.97	194.41	201.7	0.97	194.41	201.7	0.97	194.41	201.7	0.97	0.97	0.97	0.085	0.085	0.0295E-08	5.84E-05	
ENSMUST0000077791.7	Zfp1	chr8	+	888.2	111670583	chr8:111669491-111671011	260.59	23.46	0.92	282.6	0	1	282.6	0	1	51.84	288.11	0.4	0.86	0.865	0.085	0.085	0.000110503	0.000110503	
ENSMUST00000212072.1	Zfp1	chr8	+	897.9	111670583	chr8:111669491-111671008	261.89	23.21	0.92	283.75	0	1	283.75	50.72	0.85	289.13	39.9	0.88	0.96	0.965	0.085	0.085	0.0311E-05	0.000175111	
ENSMUST0000018513.13	Rbm23	chr10	+	1988.8	37865021	chr10:37865021-37865296	57.98	10.43	0.99	57.98	0	1	57.98	0	1	57.98	0	1	0.985	0.985	0.085	0.085	0.0009834703	0.031005253	
ENSMUST0000027783.13	Dns2	chr2	+	1224.8	17825246	chr2:17825249-17825701	32.79	186.32	0.15	174.85	0	1	174.85	289.56	0.06	16.03	304.58	0.05	0.15	0.15	0.085	0.085	0.000262971	0.000125162	
ENSMUST00000217461.1	Skf44a2	chr9	+	743.4	21354439	chr9:21353882-21355028	188.93	35.35	0.84	250.26	0	1	175.18	28.03	0.86	197.93	42.58	0.79	0.92	0.925	0.085	0.085	0.001090702	0.004551728	
ENSMUST00000007719.2	Klf21	chr8	+	1022.1	12616376	chr8:12616376-12617680	206.49	1.88	0.99	206.49	1.88	0.99	206.49	37.27	0.83	228.42	49.75	0.82	0.94	0.945	0.085	0.085	0.001634789	0.005615416	
ENSMUST0000004285.13	Ccfl1	chr8	+	6681.5	118809065	chr8:118809065-118810355	193.46	246.67	0.62	126.39	246.67	0.62	126.39	342.75	0.62	126.39	342.75	0.62	0.62	0.62	0.085	0.085	0.0009834703	0.031005253	
ENSMUST000002927.14	Atp11b	chr3	+	2372.8	35855938	chr3:35855105-35856276	235.28	28.29	0.88	303.23	37.41	0.88	257.16	149.3	0.79	189.08	59.72	0.76	0.87	0.775	0.085	0.085	0.003129066	0.011568986	
ENSMUST00000005190.2	Abn2	chr5	+	152.5	121814675	chr5:121814338-121814950	274	36.19	0.76	283.19	106.14	0.74	217.18	148.93	0.59	256.25	101.88	0.72	0.75	0.755	0.085	0.085	0.003899551	0.014017587	
ENSMUST00000005550.13	Rbm23	chr10	+	1478.4	6527447	chr10:6527447-65274919	102.97	19.22	0.93	102.97	19.22	0.93	102.97	19.22	0.93	102.97	19.22	0.93	0.93	0.93	0.085	0.085	0.0009834703	0.031005253	
ENSMUST00000190096.2	Agap1	chr1	+	741.3	89888885	chr1:89888886-89889011	139.43	7.25	0.95	127.15	7.11	1.11	127.15	35	0.8</										

ENSMUST000005668.9	Phf13	chr4	-	1270.8	151990416	chr4:151989633-151991779	141.55	26.63	0.84	143.37	11.1	0.93	108.13	33.54	0.76	135.27	36.28	0.79	0.885	0.775	0.11	0.014631326	0.04480941	
ENSMUST0000112918.6	Nu2	chrX	+	1201.1	142238887	chrX:142238887-142239652	147.7	22.74	0.87	119.42	60.01	0.67	146.09	39.16	0.77	105.38	95.03	0.53	0.77	0.86	0.11	0.021578338	0.062488292	
ENSMUST000017058.4	Rp1a	chr2	+	3481.3	105728763	chr2:105728763-105728864	37.73	34.39	0.92	436.87	6.68	0.83	432.21	6.88	0.84	432.21	6.88	0.84	0.86	0.83	0.15	6.82E-09	7.65E-08	
ENSMUST0000068237.11	Mhp	chr5	+	816.6	12345667	chr5:12345667-123457932	117.2	0	1	119.55	0	1	132.67	13.29	0.91	103.31	22.33	0.86	1	0.85	0.15	0.000262167	0.000262167	
ENSMUST0000181574.5	270038G22Rk	chr5	+	945	23854862	chr5:23853767-23855038	138.39	0	1	144.29	0	1	86.98	5.66	0.94	75.2	15.32	0.83	1	0.85	0.15	6.28E-05	0.000336954	
ENSMUST000012479.7	Apele	chr8	-	4853.2	65026815	chr8:65026815-65028991	181.11	16.88	0.81	142.83	102.26	0.81	136.55	102.26	0.83	286.49	166.63	0.63	0.83	0.745	0.15	8.14E-05	0.000428719	
ENSMUST00000027356.11	Met1	chr1	+	152838.3	111381524	chr1:111381524-111381625	188.01	0	1	152.77	156.77	0.71	152.77	156.77	0.71	152.77	156.77	0.71	0.87	0.85	0.15	0.000419869	0.000419869	
ENSMUST0000106046.8	Rm2a	chr4	-	3383.1	118133750	chr4:118133695-118133870	221.47	0.88	0.88	227.53	44.99	0.89	315.17	141.35	0.69	375.45	98.46	0.79	0.855	0.79	0.15	0.000512111	0.000850219	
ENSMUST000011372.7	K4m5	chr1	-	735.2	74594052	chr1:74593763-74594402	221.47	22.57	0.89	224.83	27.77	0.89	285.33	77.87	0.79	250.28	71.13	0.78	0.9	0.855	0.15	0.00020607	0.001103378	
ENSMUST0000109525.21	Tb1	chr4	-	885.4	127961915	chr4:127961915-127962460	59.08	0	1	59.08	0	1	59.08	0	1	59.08	0	1	0.7	0.86	0.15	0.000222222	0.000222222	
ENSMUST0000040069.8	Colc12	chr18	+	1375.3	9877993	chr18:9876988-9877995	249.91	0	1	285.23	97.45	0.75	241.17	120.98	0.67	184.05	105.18	0.64	0.77	0.655	0.15	0.001119209	0.00429583	
ENSMUST000012222.11	Erb1n	chr13	-	208.3	103820468	chr13:103818787-103820806	78.28	1.66	0.99	78.28	1.66	0.99	94.85	24.85	0.73	94.85	24.85	0.73	0.985	0.87	0.15	0.001618249	0.00486824	
ENSMUST000003032.11	Erb1m	chr13	-	208.3	103820468	chr13:103818787-103820806	78.28	1.66	0.99	78.28	1.66	0.99	94.85	24.85	0.73	94.85	24.85	0.73	0.985	0.87	0.15	0.001618249	0.00486824	
ENSMUST0000130235.7	Rur2	chr13	-	347.8	53110439	chr13:53109312-53111668	118.96	12.97	0.9	138.52	0.19	1	118.64	22.5	0.84	100.72	20.61	0.83	0.95	0.855	0.15	0.001996742	0.00780972	
ENSMUST0000037912.11	Sah2	chr11	+	242.9	77453961	chr11:77453390-77460220	55.44	0.34	0.99	49.18	0	1	60.11	1	1	65.36	20.67	0.61	0.78	0.995	0.15	0.005006354	0.017635013	
ENSMUST0000111548.7	Etfbmt	chr6	+	318.2	149144442	chr6:149144034-149143132	71.52	155.14	0.32	99.53	122.1	0.45	74.71	175.78	0.3	65.95	215.44	0.24	0.385	0.27	0.15	0.000419668	0.022038339	
ENSMUST0000107951.6	Edm3	chr1	+	270.5	151818511	chr1:151818310-151818979	160.97	7.62	0.95	133.72	52.64	0.68	116.69	45.91	0.72	130.07	64.21	0.68	0.815	0.7	0.15	0.0009731611	0.02876514	
ENSMUST000022284.1	Gakp	chr12	+	365.7	105669976	chr12:105669818-105669911	38.22	33.93	0.53	111.21	21.21	0.23	31.53	133.94	0.19	14.82	13.06	0.1	0.28	0.145	0.15	0.018107703	0.056551268	
ENSMUST0000108379.9	Coq8b	chr7	+	281.1	27257708	chr7:27257223-27257704	124.04	21.26	0.85	117.31	49.09	0.67	124.18	69.9	0.64	115.27	54.87	0.68	0.775	0.66	0.15	0.021732549	0.062818804	
ENSMUST000003680.12	Coq8c	chr7	+	281.7	27257708	chr7:27257223-27257704	122.53	14.93	0.84	114.93	51.44	0.69	116.68	69.9	0.63	115.58	55.53	0.67	0.765	0.65	0.15	0.022723251	0.067838987	
ENSMUST0000110806.7	Brat1	chr5	+	2238.2	140717345	chr5:140717144-140719330	63.2	13.61	0	73.63	0	1	80.01	20.18	0.8	76.24	20.67	0.83	0.975	0.79	0.15	0.031370919	0.085708488	
ENSMUST0000020230.14	Ppard	chr17	+	359.4	28299083	chr17:28299602-28301469	45.24	0	1	51.05	4.87	0.91	44.32	0.87	0.98	51.95	21.85	0.7	0.955	0.84	0.15	0.034567192	0.093070006	
ENSMUST0000107829.8	Fzf1	chr7	+	3957.9	5007626	chr7:50075509-5008205	266	0	1	277.34	0	1	268.32	0.84	0.94	327.94	28.21	0.52	1	0.88	0.12	2.24E-11	2.46E-10	
ENSMUST0000114100.9	Sdcap3	chr2	+	686.9	26383378	chr2:26382806-2638394	390.52	10.66	0.97	370.75	40.6	0.9	80.24	67.57	0.84	332.55	85.87	0.79	0.935	0.875	0.15	0.0123E-07	9.53E-07	
ENSMUST0000102667.4	Smc8	chr1	+	2393.3	60779826	chr11:60775234-60781067	179.99	0	1	150.99	3.25	0.57	162.07	21.09	0.99	31.98	51.83	0.77	0.895	0.87	0.15	0.000168492	0.000837734	
ENSMUST0000117370.8	Mcap1	chr12	+	485.6	102742847	chr12:102742230-102743394	228.4	5.06	0.98	238.21	16.31	0.94	195.3	19.33	0.91	195.87	59.83	0.77	0.96	0.96	0.12	9.1E-06	4.33E-05	
ENSMUST0000140374.4	Gm2499	chr5	+	83	114809130	chr5:114809036-114809331	128.24	0	1	138.99	0	1	138.99	0	1	138.99	0	1	0.82E-05	0.000442224	0.000442224	0.15	8.42E-05	0.000442224
ENSMUST000027357.11	Rn125	chr9	+	767.5	74594049	chr1:74593768-74594402	219.83	24.02	0.89	226.63	28.46	0.89	282.25	80.79	0.78	248.01	73.01	0.77	0.895	0.775	0.15	0.000168492	0.000837734	
ENSMUST000011763.7	Eomes	chr1	+	165.1	118484837	chr1:118484331-118485366	87.79	0	1	109.25	0	1	109.25	0	1	82.37	26.57	0.76	1	0.88	0.12	0.00023877	0.001128012	
ENSMUST0000105475.11	Rp1a	chr2	+	78.3	141584123	chr2:141584123-141584361	95.91	0	1	95.91	0	1	113.79	13.13	0.99	113.79	13.13	0.99	1	0.88	0.15	0.00023877	0.001128012	
ENSMUST0000219555.5	Hpa2	chr12	+	377.1	76405832	chr12:76404409-7640934	82.4	0	1	75.9	0	1	77.87	0	1	80.51	25.4	0.76	1	0.88	0.12	0.000448559	0.002040065	
ENSMUST0000174829.1	Neat1	chr19	+	199.3	5844225	chr19:584381-5844434	82.4	7.71	0.94	114.43	1.31	0.99	194.9	24.42	0.89	178.89	45.58	0.78	0.85	0.965	0.15	0.000510008	0.002297298	
ENSMUST0000030566.7	Pgn12	chr5	-	495.9	20987215	chr5:20986455-20987494	197.23	43.12	0.82	198.08	82.46	0.71	218.91	127.29	0.63	213.51	108.28	0.68	0.785	0.645	0.15	0.003843588	0.013933006	
ENSMUST0000104307.4	Fh2	chr2	+	285.6	43129619	chr2:43129619-43129619	53.67	0	1	53.67	0	1	53.67	0	1	53.67	0	1	0.79	0.88	0.15	0.000482444	0.001640225	
ENSMUST0000048162.9	Bsd1	chr4	+	367.8	129487345	chr4:129487041-129488488	97.96	24.23	0.8	108.29	22.59	0.83	142.21	53.42	0.73	153.16	80.38	0.66	0.815	0.695	0.15	0.010676402	0.034119317	
ENSMUST00002562.9	Sag2	chr15	+	428.9	25376533	chr15:25376352-25376803	63.84	19.9	0.84	63.84	19.9	0.84	63.84	19.9	0.84	63.84	19.9	0.84	0.855	0.845	0.15	0.010676402	0.034119317	
ENSMUST0000179873.7	Etfbmt	chr6	+	474.4	14915048	chr6:149150342-149151166	128.68	0	1	105.76	65.65	0.6	105.76	102.99	0.51	128.77	103.13	0.56	0.655	0.52	0.15	0.012465161	0.03901478	
ENSMUST0000118815.5	Cox18	chr5	+	457	90214974	chr5:90214724-90215175	89.92	69.6	0.56	89.92	69.6	0.56	94.05	94.48	0.51	105.37	79.79	0.57	0.84	0.75	0.12	0.013303357	0.041330624	
ENSMUST00000005475.11	Nf12	chr1	+	159.5	18204953	chr1:18204953-18206881	54.57	0	1	65.92	4.04	0.97	74.02	0.83	0.83	78.24	8.79	0.83	0.885	0.85	0.15	0.015503122	0.04730064	
ENSMUST000010302.5	Erb3	chr10	+	1002.2	103820531	chr10:103819607-103820806	65.95	0	1	65.95	0	1	65.95	0	1	65.95	0	1	0.84	0.84	0.15	0.000448559	0.002040065	
ENSMUST0000044377.6	Acr1	chr6	+	95.6	28419071	chr6:28417829-28419300	51.7	0	1	48.13	0	1	54.03	17.05	0.76	63.92	0	1	1	0.88	0.15	0.020057933	0.058744772	
ENSMUST00000399649.6	Gn1	chr16	+	287.4	59613629	chr16:59613328-59613844	107.18	47.37	0.69	96.18	41.98	0.7	96.68	61.64	0.61	114.28	97.44	0.54	0.695	0.575	0.15	0.021501516	0.06230908	
ENSMUST0000107690.3	Zfp456	chr12	+	102.4	114809130	chr7:42961036-42962909	102.4	0	1	102.4	0	1	102.4	0	1	102.4	0	1	0.77	0.88	0.15	0.021501516	0.06230908	
ENSMUST0000180657.1	Senp1	chr15	+	535.9	98042135	chr15:98041733-98042952	136.75	0	1	107.9	39.49	0.73	84.89	60.89	0.58	103.49	48.48	0.68	0.75	0.623	0.15	0.026831759	0.074030447	
ENSMUST0000109699.7	Gdap2	chr5	+	524.7	102020175	chr3:102021974-102020270	8.9	41.73	0.12	17.16	44.94	0.12	17.16	44.94	0.12	17.16	44.94	0.12	0.145	0.145	0.15	0.029564758	0.081429844	
ENSMUST0000188328.2	Ch1	chr1	+	333.6	31487260	chr1:31487260-31487260	65.64	0	1	65.64	0	1	65.64	0	1	65.64	0	1	0.82	0.82	0.15	0.000448559	0.002040065	
ENSMUST0000126980.7	Btd2	chr10	+	2340.6	80643075	chr10:80642671-80643691	418.8	36.08	0.92	446.85	73.24	0.86	403.04	116.33	0.78	401.44	136.38	0.75	0.89	0.92	0.15	0.000743E		

ENSMUST0000100335.9	Mrc2	chr11	+	24222.8	10535043	chr11:105349699-105351139	165.71	4.18	0.98	180.29	0.91	187.23	23.99	0.89	166.75	63.04	0.72	0.945	0.805	0.14	3.14E-05	0.00017756			
ENSMUST0000088663.6	Igkap2	chr7	-	650.4	95627818	chr7:195627177-95628120	145.16	53.1	0.73	201.02	0.92	176.18	37.22	0.83	135.18	87.35	0.61	0.86	0.86	0.72	0.14	0.000191954	0.000944085		
ENSMUST0000122372.6	Fam160a2	chr7	-	486.4	105378612	chr7:105378612-105379129	161.17	13.87	0.92	165.18	0.9	157.16	18.87	0.9	166.8	49.05	0.79	0.91	0.77	0.14	0.000223504	0.00108454			
ENSMUST000048079.13	Fam160a2	chr7	-	486.4	105378612	chr7:105378611-105379129	161.17	13.87	0.92	165.18	0.9	157.16	18.87	0.9	166.8	49.05	0.79	0.91	0.77	0.14	0.000223504	0.00108454			
ENSMUST0000044675.4	Jmjd7	chr2	+	444	120032346	chr2:120032114-120032394	130.02	60.92	0.75	173.3	0.8	154.19	77.16	0.67	138.49	91.89	0.6	0.775	0.77	0.14	0.001043753	0.004371811			
ENSMUST0000100323.2	Sapap2	chr2	+	448.6	25376556	chr2:25375968-25376863	180.56	12.82	0.91	180.56	0.91	189.41	45.45	0.66	96.13	13.1	0.88	0.91	0.74	0.14	0.001149782	0.004764518			
ENSMUST0000044384.8	Ahrp3a3c3	chr7	+	152.6	30523945	chr7:30523295-30523946	63.94	0.94	0.72	63.94	0.72	63.94	0.94	0.72	63.94	0.94	0.72	0.91	0.77	0.14	0.000202327	0.000202327			
ENSMUST0000088172.11	Hes6t2	chrX	+	95.5	5138970	chrX:5138712-51390361	50.15	0	1	58.22	0.35	50.15	0	1	58.22	0.35	0.72	0.81	0.97	0.14	0.000724056	0.02415393			
ENSMUST0000093376.3	Klf1228	chr11	+	92	58859753	chr11:58859433-58861956	39.7	0	0	39.7	0	44.07	17.38	0.72	40.11	0	1	0.97	0.14	0.14	0.008472924	0.028434314			
ENSMUST0000210207.1	Cox10a	chr10	+	220.61	72863422	chr10:72863422-72863911	49.16	11.76	0.64	49.16	0.64	49.16	11.76	0.64	49.16	11.76	0.64	0.97	0.14	0.14	0.000494969	0.033264999			
ENSMUST0000222681.10	Pdm3	chr4	+	59.3	70164499	chr4:70164218-70164793	63.61	0.94	0.83	61.76	3.6	61.76	15.14	13.84	80.44	66.35	0.27	0.75	0.935	0.795	0.14	0.01042689	0.033666945		
ENSMUST0000038964.5	Fln3	chr4	+	725	124702829	chr4:124707816-124708611	37.66	51.17	0.73	47.24	73.75	37.66	51.17	0.39	32.18	98.89	0.25	31.58	106.32	0.23	0.38	0.14	0.015206683	0.046296959	
ENSMUST0000097456.7	Rarb1	chr1	+	511	379305443	chr1:379305443-379305919	41.93	0.42	0.91	41.93	0.42	41.93	0.42	0.91	41.93	0.42	0.91	0.77	0.14	0.14	0.017229089	0.0385			
ENSMUST0000110237.8	Rwb1	chr3	+	51	37930444	chr3:37929558-37932693	35.27	0.49	0.91	41.94	0	1	42.48	10.25	0.91	43.72	5.12	0.9	0.995	0.855	0.14	0.017721909	0.052814732		
ENSMUST000028346.4	Man2a2	chr7	-	1107.6	80349992	chr7:80349097-80351851	62.59	60.15	0.62	62.59	60.15	56.61	60.15	0.59	60.5	86.49	0.41	52.53	87.26	0.38	0.395	0.14	0.021992244	0.063511911	
ENSMUST0000165864.7	Meo1b	chr10	+	103.5	78985127	chr10:78984935-78985410	92.36	1.54	0.98	92.36	1.54	92.36	1.54	0.98	92.36	1.54	0.97	0.72	0.83	0.32	0.77	0.885	0.745		
ENSMUST0000043765.13	Hrmp11	chr7	+	2493	25712874	chr7:25711485-25722363	520.93	30.44	0.96	520.93	30.44	487.95	30.44	0.96	487.95	30.44	0.96	131.35	165.67	0.73	0.965	0.14	0.022373369	0.06803998	
ENSMUST0000173015.7	Orz	chr10	+	1955.9	33691748	chr10:33691515-33692203	169.28	0	1	129.18	0.9	1	129.18	0.9	1	129.18	0.9	1	129.18	0.9	1	0.855	0.145	0.022373369	0.06803998
ENSMUST0000060636.12	Ucpn1	chr2	-	396.7	155848325	chr2:155848240-155848526	224.81	20.04	0.92	291.44	0	1	158.25	52.44	0.75	184.55	25.61	0.88	0.96	0.815	0.145	0.00055085	0.00055085		
ENSMUST0000050917.4	Hmgn1	chr5	+	167.6	57738007	chr5:57737659-57738452	113.13	1.69	0.96	113.13	1.69	0	1	133.74	0.87	113.11	26.61	0.82	0.99	0.845	0.145	1.75E-09	1.16E-06		
ENSMUST000015239.9	Fbxw6	chr2	+	803.6	25504911	chr2:25504710-25505471	185.06	0	1	157.81	0.8	0.9	151.9	35.59	0.81	165.98	41.21	0.8	0.96	0.805	0.145	1.83E-05	0.00010718		
ENSMUST0000038523.14	Rc3h8	chr10	+	366.2	85016063	chr10:85015076-85016447	140.69	0	1	124.08	0	1	98.82	20.84	0.83	114.79	32.58	0.78	0.9	0.805	0.145	0.000106812	0.00055085		
ENSMUST0000040222.13	Ctsc	chr4	-	352.3	141016778	chr4:141016640-141017132	222.49	0	1	163.17	0	0.81	153.95	36.5	0.81	108.84	45.27	0.71	0.91	0.895	0.145	0.000216546	0.001058499		
ENSMUST0000045694.13	Meit1l8	chr1	+	163.3	16396163	chr1:163959114-163957243	60.89	1.34	0.98	62.42	0	1	52.98	24.21	0.69	67.79	0	0.9	0.92	0.845	0.145	0.00044592	0.000229806		
ENSMUST0000072916.4	Zswim7	chr11	-	3506.3	62267405	chr11:62267224-62267606	127.58	109.75	0.54	154.75	92.71	0.63	130.82	171.27	0.43	141.64	170.4	0.45	0.585	0.54	0.145	0.001458344	0.005903702		
ENSMUST0000033996.6	Wrm	chr8	+	130.3	33236220	chr8:33235982-33236459	62.62	0	1	54.25	0	1	46.68	0	1	35.16	14.09	0.71	0.91	0.855	0.145	0.003021291	0.011209489		
ENSMUST0000029019.1	Klhl25	chr7	+	254.9	72865934	chr7:72865331-72867191	98.19	23.27	0.83	100.29	0.77	98.19	23.27	0.83	98.71	51.1	0.65	0.845	0.805	0.145	0.000932582	0.040222598			
ENSMUST0000047431.15	Dap	chr5	+	214.4	31273462	chr5:31273179-312734341	81.22	28.47	0.74	100.57	14.62	0.67	121.63	50.48	0.71	123.39	78.47	0.61	0.805	0.66	0.145	0.005167368	0.018145736		
ENSMUST0000045204.10	AluJ40320	chr4	+	1044.7	12685358	chr4:126853166-126854336	120.44	0	1	124.15	0	0.73	141.23	69.5	0.67	139.61	42.24	0.77	0.865	0.72	0.145	0.000575148	0.020005991		
ENSMUST0000047826.5	Kat5	chr5	+	255.5	18267867	chr5:182678252-182680885	92.74	15.81	0.96	77.25	17.43	0.96	77.25	17.43	0.96	77.25	17.43	0.96	77.25	17.43	0.96	0.145	0.000575148	0.020005991	
ENSMUST0000114234.1	Traf2	chr2	-	260.8	25519270	chr2:25519886-25519628	97.23	28.06	0.72	102.9	38.15	0.95	108.81	26.9	0.8	94.28	69.25	0.58	0.835	0.635	0.145	0.00742559	0.02493328		
ENSMUST0000030270.4	Crot	chr5	+	242.6	8966311	chr5:8966033-8966972	100.78	37.16	0.79	107.78	41.51	0.74	65.92	0.54	89.1	52.11	0.63	0.72	0.855	0.145	0.014910154	0.045489088			
ENSMUST0000030287.10	0610010F05Rk	chr11	+	211.1	23574468	chr11:23573963-23575517	38.35	0	1	39.25	0	1	72.66	11.75	0.86	68.98	11.8	0.85	1	0.145	0.14	0.01629627	0.04916213		
ENSMUST0000014846.2	Ucpn1	chr10	+	372	2891315	chr10:2891262-28910200	100.38	30.75	0.71	372	30.75	0.87	372	30.75	0.87	372	30.75	0.87	372	30.75	0.87	0.145	0.000290969	0.000290969	
ENSMUST0000105653.7	Espn	chr4	+	69	15212098	chr4:15212078-152121285	42.75	0	1	42.75	0	1	9.4	7.71	0.81	34.42	0	1	0.855	0.145	0.02227934	0.0642036			
ENSMUST0000105658.7	Espn	chr4	+	65.3	15212079	chr4:15212088-152121285	41.98	0	1	57.04	0	1	24.1	9.95	0.71	34.55	0	1	0.855	0.145	0.02339424	0.067090437			
ENSMUST0000136819.9	Slc11p1	chr2	+	254.9	30185360	chr2:30185313-30185569	38.85	31.8	0.87	38.85	31.8	0.87	38.85	31.8	0.87	38.85	31.8	0.87	38.85	31.8	0.87	0.145	0.000136819	0.000136819	
ENSMUST0000118072.7	Simc1	chr3	+	137.7	54550703	chr3:54550533-54551218	45.9	36.84	0.55	80.58	36.84	0.72	55.99	0.52	72.57	62.75	0.61	0.62	0.635	0.49	0.145	0.005832761	0.07758451		
ENSMUST0000048015.13	Zfp715	chr7	+	65.9	43299923	chr7:43299824-43300176	37.66	0	1	37.09	0	1	34.61	11.96	0.74	42.11	10.97	1	0.855	0.145	0.000528408	0.077953241			
ENSMUST0000030303.5	Wip1	chr2	+	237.7	4651942	chr2:4651217-46529113	21.68	51.15	0.92	24.99	53.14	0.92	13.37	16.32	0.76	42.07	63.98	0.16	0.395	0.145	0.038631174	0.009629767			
ENSMUST0000047825.2	Ntn	chr10	+	100.3	32453	chr10:32453-3245781830	17.57	1.57	0.98	17.57	1.57	0.98	17.57	1.57	0.98	17.57	1.57	0.98	17.57	1.57	0.98	0.145	0.000697026	0.000697026	
ENSMUST0000103224.9	Tpm7	chr2	-	13633.8	12679252	chr2:126791565-126792596	329.16	6.11	0.88	343.63	0	1	344.37	54.53	0.86	307.95	68.8	0.82	0.99	0.84	0.145	1.21E-14	1.74E-13		
ENSMUST000017020.17	Lrch3	chr16	+	126.6	33012542	chr16:33012341-33013143	106.04	17.81	0.88	100.93	14.12	0.96	124.23	40.42	0.75	122.54	35.67	0.77	0.91	0.91	0.145	0.01932807	0.09759875		
ENSMUST0000033989.15	Srsf1	chr9	+	639	4761273	chr9:4761031-47617911	40.34	12.9	0.92	40.34	12.9	0.92	40.34	12.9	0.92	40.34	12.9	0.92	40.34	12.9	0.92	0.145	0.000136819	0.000136819	
ENSMUST0000094471.4	Patz1	chr11	+	200.9	3294657	chr11:3294456-32945229	94.41	3.32	0.97	88.28	35.18	0.72	81.79	54.97	0.6	101.41	27.43	0.79	0.845	0.695	0.145	0.016543156	0.049719866		
ENSMUST0000084929.8	Ahr1	chr9	+	61.1	110989819	chr9:110989841-110990024	36.06	0	1	34.73	0	1	42.84	10.11	0.81	39.8	4.73	0.89	1	0.145	0.14	0.019353364	0.056426559		
ENSMUST0000084789.6	Srsf1	chr9	+	941.1	108712923	chr9:108712923-108713466	32.44	14.3	0.96	32.44	14.3	0.96	32.44	14.3	0.96	32.44	14.3	0.96	32.44	14.3	0.96	0.145	0.000136819	0.	

ENSMUST0000215619.1	Cdkn2d	chr9	-	505.7	1228824	chr9:2128841-2128932	104.13	2.17	0.98	113.66	33.27	0.77	114.92	39.73	0.74	118.63	64.42	0.65	0.875	0.695	0.18	0.000493997	0.002228924	
ENSMUST0000163499.1	Rbm26	chr4	-	3114.5	105118986	chr4:105116135-105117099	87.94	101.58	0.46	100.71	61.37	0.52	47.83	90.33	0.35	42.01	112.24	0.27	0.49	0.31	0.18	0.000552321	0.002259907	
ENSMUST0000272891.1	Camr1	chr1	-	66.4	24013022	chr1:24012659-24013468	47.53	74.5	0.61	70.81	7.6	0.59	71.18	16.84	0.81	57.09	41.87	0.58	0.875	0.618	0.18	0.022264836	0.002240581	
ENSMUST0000074876.12	Zfp420	chr7	+	438	29874401	chr7:29874117-29878505	46.61	30.00	1.2	0.97	88.15	25.16	0.78	87.61	25.7	0.77	0.955	0.775	0.18	0.086652222	0.002233305			
ENSMUST000006397.6	Epor	chr9	-	246.7	11959922	chr9:21958897-21959670	61.44	8.88	0.88	85.25	8.98	0.85	42.64	23.4	0.65	60.29	23.88	0.72	0.1	0.865	0.685	0.18	0.013380318	0.014544886
ENSMUST0000111593.1	Sid4d	chr5	-	24.4	13596929	chr5:13596922-135961208	32.68	0.00	1	0.33	59.0	0	1	20.4	0.1	20.6	11.56	0.64	0.0	0.18	0.022264836	0.001622629		
ENSMUST0000232664.7	Dermdb	chr4	+	174.7	80266390	chr4:80267177-80269659	63.83	14.87	0.88	33.69	33.69	0.88	33.69	18.68	0.64	33.91	86.48	0.64	0.875	0.685	0.18	0.000493997	0.005323033	
ENSMUST0000120289.2	Phn2	chr5	-	1198.9	57845165	chr5:57846161-57845366	46.56	120.86	0.29	151.44	33.61	0.58	151.44	19.55	0.24	104.78	224.24	0.06	0.235	0.185	0.185	0.000493997	0.005323033	
ENSMUST00001064087.5	Efdz1	chr5	+	761.7	143920236	chr5:143901765-143920274	192.76	20.94	0.88	116.99	28.39	0.88	116.99	66.85	0.64	190.3	28.26	0.84	0.925	0.74	0.185	0.0146066	0.00739606	
ENSMUST0000089615.11	Ube2a	chr5	+	270.8	114741163	chr5:114739448-114741163	149.98	32.84	0.88	149.98	32.84	0.88	149.98	32.84	0.88	149.98	32.84	0.88	0.875	0.685	0.18	0.000493997	0.005323033	
ENSMUST0000168542.2	Pex11b	chr3	+	135.5	96644157	chr3:96643575-96644726	93.49	1.14	0.99	90.85	5.77	0.94	70.12	30.72	0.99	102.99	19.45	0.84	0.965	0.78	0.185	0.000111551	0.000573211	
ENSMUST0000126359.8	Mkl1419	chr2	+	420.5	177011431	chr2:177011230-177012787	117.81	8.03	0.99	107.75	17.22	0.76	108.20	81.18	0.57	114.35	38.48	0.75	0.845	0.86	0.185	0.000348026	0.001622629	
ENSMUST0001781917.12	Ctla2	chr2	+	245.8	114474163	chr2:114473638-114474163	95.34	29.14	0.94	95.34	29.14	0.94	95.34	29.14	0.94	95.34	29.14	0.94	0.875	0.685	0.18	0.000493997	0.005323033	
ENSMUST0000162309.7	Par3	chr8	-	340.1	127610782	chr8:127610432-127611970	79.05	7.36	0.91	66.64	22.36	0.75	70.17	54.72	0.56	96.48	34.96	0.73	0.83	0.645	0.185	0.000301857	0.011204631	
ENSMUST0000085792.4	Zfp940	chr7	-	204.4	29844891	chr7:29843936-29846248	50.58	19.05	0.87	56.29	12.83	0.87	56.29	27.36	0.67	45.74	44.98	0.5	0.77	0.585	0.185	0.001512707	0.047591658	
ENSMUST0000020877.8	Twistb	chr2	+	1832.7	33439290	chr2:33437693-33441392	85.99	197.99	0.38	91.28	134.7	0.4	56.94	211.84	0.21	96.56	236.96	0.19	0.39	0.2	0.19	0.269E-06	1.77E-05	
ENSMUST0000063042.10	Gtse1	chr9	-	174.2	114474163	chr9:114473638-114474163	167.13	23.93	0.87	167.13	23.93	0.87	167.13	23.93	0.87	167.13	23.93	0.87	0.875	0.685	0.19	1.72E-05	0.00010237	
ENSMUST000062153.11	Rplp1	chr5	-	282	124493401	chr5:124493080-124493844	115.03	26.22	0.99	124.88	11.88	0.94	124.88	40.03	0.76	122.43	93.89	0.57	0.855	0.625	0.19	3.99E-05	0.000220879	
ENSMUST0000129174.7	Pdm2	chr4	-	43	70164503	chr4:70164362-70164793	67.4	5.69	0.92	65.6	0	1	69.07	20.08	0.77	66.55	20.08	0.77	0.96	0.77	0.19	0.000332243	0.001554494	
ENSMUST00002051704.14	Ctse	chr5	+	234.1	116603209	chr5:116603051-116603987	65.17	27.13	0.72	65.17	27.13	0.72	65.17	27.13	0.72	65.17	27.13	0.72	0.875	0.685	0.19	0.000568015	0.019573205	
ENSMUST0000209969.1	Gm45871	chr8	+	133.8	90591182	chr8:90590983-90591667	64.3	7.84	0.89	64.3	7.84	0.89	64.3	7.84	0.89	64.3	7.84	0.89	0.875	0.665	0.19	0.000530555	0.0209337	
ENSMUST0000109716.8	Necab3	chr2	-	41.8	154544684	chr2:154544399-154545167	50.33	0	1	46.66	0	0.84	43.49	11.12	0.8	37.46	19.51	0.66	0.92	0.7	0.19	0.010692786	0.034150969	
ENSMUST000021620.12	Chk2	chr12	+	1086.6	103405178	chr12:103404226-103405345	113.33	0	1	98.09	0	1	202.6	0.82	214.12	55.22	0.79	1	0.805	0.7	0.195	1.23E-06	1.07E-07	
ENSMUST0000036044.8	Zk3h1	chr10	+	376.7	115432307	chr10:115431896-115432772	171.64	13.52	0.93	176.34	47.07	0.79	139.94	58.91	0.7	101.58	60.62	0.63	0.86	0.635	0.19	0.000692786	0.000184651	
ENSMUST0000021817.9	Ipkk	chr13	+	235.7	49462349	chr13:49461534-49462901	75.92	18.28	0.81	81.79	18.28	0.81	81.79	18.28	0.81	81.79	18.28	0.81	0.875	0.685	0.195	0.001093204	0.004560974	
ENSMUST0000048309.11	Carnap2	chr3	+	210.7	13628265	chr3:13628123-136271147	70.65	28.26	0.86	71.33	14.33	0.86	71.33	14.33	0.86	71.33	14.33	0.86	0.865	0.59	0.195	0.002785581	0.010386339	
ENSMUST0000039424.13	Chk1	chr2	+	176.0	15396452	chr2:15396354-153969907	46.68	11.25	0.94	46.68	11.25	0.94	46.68	11.25	0.94	46.68	11.25	0.94	0.875	0.685	0.19	0.002108716	0.00262932	
ENSMUST0000174525.7	H2-Q10	chr17	+	1760.9	35473687	chr17:35473486-35473457	35.18	7.84	0.92	35.18	7.84	0.92	35.18	7.84	0.92	35.18	7.84	0.92	0.875	0.685	0.195	0.024842079	0.070490307	
ENSMUST0000139014.1	29005Z1-19Rk	chr11	-	11.1	12023901	chr11:12023900-120231298	56.2	18.37	0.75	48.92	0	1	26.23	23.24	0.53	30.46	13.02	0.73	0.875	0.68	0.195	0.031983729	0.087158803	
ENSMUST000027178.12	Alx2	chr1	-	814.6	59163297	chr1:59163297-59164125	128.58	0	1	128.58	0	1	128.58	0	1	128.58	0	1	0.875	0.685	0.19	0.000493997	0.005323033	
ENSMUST000003525.14	Chxst1	chr1	+	1642.6	155779717	chr1:155778158-155779938	99.35	20.09	0.82	102.39	33.05	0.75	102.39	33.05	0.75	102.39	33.05	0.75	0.865	0.665	0.2	0.78E-05	0.000405818	
ENSMUST0000205658.1	B0d2	chr7	+	270.1	25686317	chr7:25686081-25686558	95.03	13.22	0.7	85.5	87.19	0.58	87.19	52.9	0.62	90.07	52.27	0.63	0.825	0.625	0.2	0.000230608	0.000114604	
ENSMUST0000104876.13	SK3	chr15	-	79	34878308	chr15:34875496-34878620	71.37	0	1	64.97	4.19	0.94	51.96	22.92	0.69	60.67	10.82	0.85	0.97	0.77	0.19	0.000634307	0.002890126	
ENSMUST0000037713.13	Chk1	chr2	+	105.4	69248429	chr2:69248376-69248500	44.49	9.27	0.91	44.49	9.27	0.91	44.49	9.27	0.91	44.49	9.27	0.91	0.875	0.685	0.19	0.000493997	0.005323033	
ENSMUST0000109623.1	Tox3	chr8	+	105.4	90248481	chr8:90247040-90249017	34	0	1	54.3	0	1	54.3	0	1	50.05	33.68	0.6	1	0.8	0.2	0.000136495	0.004374121	
ENSMUST0000020404.8	Cd25	chr2	+	60.4	4359834	chr2:43598248-4360020	45.27	1.28	0.97	55.27	4.44	0.93	44.33	25.44	0.64	55.35	8.95	0.66	0.95	0.75	0.2	0.018087599	0.007171193	
ENSMUST0000269379.16	CebpE	chr6	+	90.9	69209196	chr6:69209175-69209304	46.68	11.25	0.94	46.68	11.25	0.94	46.68	11.25	0.94	46.68	11.25	0.94	0.875	0.685	0.19	0.00262932	0.005323033	
ENSMUST000028356.8	CoS2	chr2	-	54.1	60252243	chr2:60251993-60252491	47.1	0.87	0.93	38.16	21.27	0.61	38.16	25.49	0.51	34.72	20.35	0.63	0.63	0.57	0.2	0.01462789	0.086988592	
ENSMUST0000087666.10	Zfp952	chr17	+	71.3	33004701	chr17:33002758-33006547	46.23	4.87	0.73	35.64	13.71	0.73	35.64	16.22	0.56	34.25	16.22	0.51	0.835	0.65	0.2	0.029557293	0.08142294	
ENSMUST0000121203.1	Nap12	chr7	-	457.8	103146888	chr7:103146175-103196640	82.37	29.6	0.71	73.25	10.1	0.87	64.53	24.95	0.87	70.7	24.95	0.72	0.7	0.75	0.2	0.000156768	0.000156768	
ENSMUST0000102045.7	Adrl1	chr2	+	308.3	11971961	chr2:11971553-11972162	49.87	0.63	0.83	49.87	36.9	0.71	83.89	48.19	0.63	83.89	48.19	0.63	0.875	0.685	0.205	0.00027074	0.00037018	
ENSMUST0000122929.2	Rfx6	chr10	+	73.5	51729832	chr10:51729631-51730432	47.76	0	1	62.12	0	1	42.89	16.94	0.72	43.61	6.58	0.87	1	0.795	0.205	0.000554399	0.002475189	
ENSMUST000005405.4	Rfx6	chr10	+	73.5	51729832	chr10:51729631-51730432	47.83	0	1	62.12	0	1	42.89	17.03	0.72	43.6	6.58	0.87	1	0.795	0.205	0.000554399	0.002475189	
ENSMUST0000210382.13	Chk1	chr2	+	62.7	15396452	chr2:15396354-153969907	46.68	11.25	0.94	46.68	11.25	0.94	46.68	11.25	0.94	46.68	11.25	0.94	0.875	0.685	0.19	0.002108716	0.00262932	
ENSMUST0000122044.7	Cank1e	chr15	-	104.2	79422522	chr15:79422481-79424055	64.8	23.48	0.7	67.16	0	1	56.43	27.76	0.67	43.46	22.92	0.65	0.865	0.66	0.205	0.007225036	0.02368466	
ENSMUST0000046743.1	BC026855	chr1	+	48.1	15748834	chr1:15748843-15748990	37.2	0	1	45.13	0	1	45.13	6.83	0.87	31.32	23.91	0.57	0.925	0.72	0.205	0.007913308	0.026397682	
ENSMUST0000165029.12	Wip1	chr3	+	499.6	49309202	chr3:49309203-49309203	36.73	22.82	0.49	36.73														

ENSMUST0000150119	Surf4	chr2	7556.7	26920079	chr2:26901183-26922171	120.5	182.47	0.4	143.24	162.25	0.47	148.46	167.58	0.47	179.87	80.75	0.69	193.13	0	1	159.69	90.35	0.84	0.46666667	0.77666667	-0.33	3.38E-13	7.41E-12	
ENSMUST0000150174	Shz	chr0	2447.3	2418244	chr10:24187628-2418991	36.62	57.37	0.47	34.44	22.59	0.6	38.47	37.78	0.67	219.7	7.87	0.96	192.73	0	1	223.21	0	1	0.66666667	0.96666667	-0.33	4.42E-12	7.66E-11	
ENSMUST0000150187	Chd9	chr10	1262.9	1262.9	chr10:12629181-12629181	61.39	61.39	0.47	61.39	61.39	0.47	61.39	61.39	0.47	61.39	61.39	0.47	61.39	61.39	0.47	61.39	61.39	0.47	0.66666667	0.66666667	-0.33	1.02E-06	1.02E-06	
ENSMUST0000150207	Birc6	chr17	573.7	7470274	chr17:74702204-74703556	49.38	53.38	0.48	51.37	48.24	0.58	78.4	37.34	0.58	78.4	49.25	0.63	192.73	0	1	85.09	15.9	0.84	0.49333333	0.49333333	-0.33	1.12E-05	6.38E-05	
ENSMUST0000150208	Hgr1	chr10	197.3	1860091	chr10:1860137-19610229	27.18	18.65	0.59	23.71	23.71	0.59	18.18	22.58	0.39	32.74	8.41	0.8	47.08	0.8	1	29.64	13.76	0.67	0.48333333	0.48333333	-0.33	0.00070759	0.00269079	
ENSMUST0000150218	Hsd1b4	chr10	158924.8	158924.8	chr10:15892481-15892481	641.67	641.67	0.48	641.67	641.67	0.48	641.67	641.67	0.48	641.67	641.67	0.48	641.67	641.67	0.48	641.67	641.67	0.48	0.48333333	0.48333333	-0.33	4.8E-07	4.8E-07	
ENSMUST0000150322	Slp1	chr8	4799.8	2344464	chr8:23444616-23449632	62.33	30.65	0.67	66.73	62.33	0.67	70.18	32.58	0.68	137.74	0	1	109.28	0	1	129.69	0	1	0.67333333	0.67333333	-0.33	0.32666667	3.94E-13	
ENSMUST0000150421	Pknox	chr7	933.2	122634022	chr7:122633745-122634022	38.96	43.25	0.47	46.16	48.23	0.49	46.51	36.78	0.78	116.03	49.45	0.7	140.18	0	1	130.83	32.64	0.8	0.50666667	0.50666667	-0.32666667	2.00E-07	2.00E-06	
ENSMUST0000150481	Gas	chr2	851.8	851.8	chr2:85185181-85185181	44.34	44.34	0.47	44.34	44.34	0.47	44.34	44.34	0.47	44.34	44.34	0.47	44.34	44.34	0.47	44.34	44.34	0.47	0.63333333	0.63333333	-0.32666667	29.13	1.06E-06	
ENSMUST0000150491	Gas	chr2	111.8	12556349	chr2:125563181-12556349	16.81	19.79	0.46	22.86	16.81	0.58	26.76	19.79	0.29	36.78	0.86	0.94	53.63	2.47	0.98	35.84	9.47	0.91	0.61	0.50666667	0.50666667	-0.32666667	0.00197845	0.00048484
ENSMUST0000150504	Hmra1	chr4	4471.648	10324462	chr4:10324425-10324495	1622.06	1959.83	0.45	1700.69	1907.97	0.47	1629.7	1621.78	0.53	1227.63	94.22	0.72	1862.53	69.83	0.97	1202.09	492.89	0.72	0.48333333	0.48333333	-0.32333333	1.79E-124	1.05E-121	
ENSMUST0000150513	Hsd1b4	chr10	1962.3	1962.3	chr10:19623181-19623181	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	0.66666667	0.66666667	-0.32666667	1.16E-12	1.16E-12	
ENSMUST0000150559	Rbm5	chr9	3331.4	10740639	chr9:10740371-10741049	50.37	40.82	0.55	38.34	50.37	0.42	40.82	40.82	0.43	174.07	0.42	0.65	284.52	0	1	203.09	80.36	0.72	0.46666667	0.46666667	-0.32333333	1.13E-08	6.17E-07	
ENSMUST0000150674	Cgpa1	chr16	583.9	6485009	chr16:64850551-64859507	61.72	33.5	0.61	49.37	61.72	0.57	49.06	36.28	0.57	69.79	3.49	0.93	67.73	8.47	0.77	70.94	0	1	0.58333333	0.58333333	-0.32333333	6.42E-07	7.00E-06	
ENSMUST0000150684	Mfap1	chr11	916.5	9846029	chr11:98460291-98460291	63.27	63.27	0.48	63.27	63.27	0.48	63.27	63.27	0.48	63.27	63.27	0.48	63.27	63.27	0.48	63.27	63.27	0.48	0.48666667	0.48666667	-0.32666667	0.45E-07	0.45E-06	
ENSMUST0000150727	Ube2f	chr1	625.4	9128823	chr1:91288205-91288205	63.38	36.5	0.64	50.27	63.38	0.54	47.55	47.55	0.47	69.06	16.97	0.76	27.85	8.71	0.89	68.73	0	1	0.58	0.88333333	0.88333333	-0.32666667	3.02E-06	1.95E-05
ENSMUST0000150842	Twdc11	chr16	98.7	1107407	chr16:11074983-11075642	22.75	27.2	0.46	22.59	25.96	0.47	21.41	25.79	0.45	20.92	21.6	0.59	41.33	0	1	37.22	11.77	0.76	0.78333333	0.78333333	-0.32333333	0.00071059	0.00979288	
ENSMUST0000150852	Dys1	chr16	918.9	9862348	chr16:98623481-98623481	20.81	197.67	0.47	209.62	136.54	0.61	203.77	141.49	0.49	152.88	116.48	0.4	126.81	24.68	0.84	159	0.91	0.32	2.93E-14	2.93E-14	0	4.86E-13	4.86E-13	
ENSMUST0000150927	Gn3l3	chrX	4392.4	15098479	chrX:150983141-150986186	126.43	82.62	0.6	127.21	85.47	0.6	127.24	92.79	0.57	209.7	46.39	0.89	208.6	0	1	199.31	20.85	0.91	0.59	0.59	-0.32	5.34E-11	7.90E-11	
ENSMUST0000150932	Pkg	chr2	784.9	16372987	chr2:163729457-163729751	35.18	36.28	0.49	42.87	31.16	0.49	41.46	17.37	0.47	138.31	17.04	0.89	204.93	8.22	0.96	125.31	34.09	0.79	0.56	0.98	-0.32	6.19E-08	4.54E-07	
ENSMUST0000150958	Zfp98	chr17	524.5	24981310	chr17:24981310-24982015	73.51	45.13	0.62	73.71	35.53	0.67	81.66	38.08	0.68	84.74	1.22	0.98	51.26	0	1	69.89	3.97	0.65	0.66666667	0.66666667	-0.32666667	9.15E-08	1.87E-07	
ENSMUST0000150983	Mps11	chr7	2599.5	78792849	chr7:78792842-78792889	40.12	36.08	0.44	42.89	31.98	0.46	52.86	30.3	0.63	80.87	87.65	0.84	194.16	38.22	0.84	103.13	12.98	0.89	0.55666667	0.55666667	-0.32	2.93E-07	2.32E-06	
ENSMUST0000151072	E1f3	chr4	3510.9	11677402	chr4:116774714-116774297	20.02	34.46	0.37	32.72	25.05	0.56	27.5	30.36	0.48	181.63	45.37	0.8	299.52	45.61	0.86	173.95	70.19	0.71	0.47	0.79	-0.32	1.27E-06	8.70E-06	
ENSMUST0000151079	Makbp1	chr2	2932.7	92984220	chr2:92984220-92984421	19.06	40.81	0.32	20.49	34.56	0.37	21.79	30.42	0.42	198.96	177.74	0.53	344.54	1.44	1	200.48	170.6	0.54	0.66666667	0.66666667	-0.32666667	0.32E-06	3.35E-05	
ENSMUST0000151229	Ergic1	chr17	3556.7	26656301	chr17:26656307-26656311	128.12	96.6	0.57	128.99	95.68	0.58	138.64	112.9	0.58	223.05	40.37	0.87	127.43	12.99	0.91	215.26	32.57	0.87	0.466667	0.466667	-0.32333333	7.38E-14	1.72E-12	
ENSMUST0000151235	Pp4r4a	chr12	10140474	10140474	chr12:10139490-10140479	104.74	76.04	0.58	98.31	97.4	0.5	102.09	81.09	0.56	93.69	29.73	0.76	126.84	0	1	107.83	22.15	0.83	0.46666667	0.46666667	-0.32666667	1.78E-09	2.10E-08	
ENSMUST0000151237	Gatfb1	chr8	142401858	142401858	chr8:142401543-142403858	144.43	156.31	0.41	159.88	144.43	0.41	156.31	151.41	0.41	52.9	165.15	0.67	78.15	15.67	0.83	100.92	40.76	0.71	0.83333333	0.83333333	-0.31666667	2.56E-08	2.46E-07	
ENSMUST0000151267	Ube2a	chr1	249.4	13497401	chr1:13497380-134974162	48.28	28.4	0.46	50.86	32.67	0.61	32.67	49.08	0.58	23.83	0.2	0.72	72.89	0	1	32.21	6.65	0.83	0.53333333	0.53333333	-0.31666667	1.85E-05	0.00010078	
ENSMUST0000151268	Ctcf	chr7	77.2	10177076	chr7:10178750-10178710	68.77	70.13	0.45	61.19	71.93	0.43	85.01	78.48	0.32	56.74	16.51	0.77	59.94	5.24	0.92	41.52	8.73	0.83	0.51666667	0.51666667	-0.31666667	1.80E-05	0.00022184	
ENSMUST0000151277	Zfp58	chr16	327.5	327.5	chr16:3275891-3275891	30.65	30.65	0.47	30.65	30.65	0.47	30.65	30.65	0.47	30.65	30.65	0.47	30.65	30.65	0.47	30.65	30.65	0.47	0.48666667	0.48666667	-0.31666667	0.00012901	0.00012901	
ENSMUST0000151280	Alb1a1	chr1	875.38216	167388216	chr1:167387405-167388322	61.74	68.08	0.42	61.83	68.08	0.35	48.14	34.24	0.32	36.77	57.27	0.57	57.41	0	1	30.82	34.81	0.72	0.38333333	0.38333333	-0.31666667	5.74E-05	0.00021894	
ENSMUST0000151282	Mez23	chr0	426.7	24913237	chr10:249132369-24913460	36.78	38.89	0.48	26.84	34.7	0.48	26.84	34.7	0.48	34.7	18.42	0.66	64.4	0	1	40.15	25.16	0.61	0.4	0.76666667	0.76666667	-0.31666667	0.00220639	0.00057901
ENSMUST0000151283	Hsd1b4	chr10	1962.3	1962.3	chr10:19623181-19623181	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	38.42	38.42	0.47	0.66666667	0.66666667	-0.32666667	0.0004913	0.0004913	
ENSMUST0000151285	Srf1	chr17	5014.9	80201349	chr17:80200308-80213602	96.56	58.99	0.15	85.13	85.13	0.15	85.13	85.13	0.15	85.13	85.13	0.15	85.13	85.13	0.15	85.13	85.13	0.15	0.31666667	0.31666667	-0.31333333	1.67E-27	1.32E-25	
ENSMUST0000151287	Fbw21	chr11	14008.21	11800821	chr11:11800810-11810201	72.39	49.71	0.61	74.25	34.03	0.65	77.89	29.41	0.72	121.18	2.75	0.98	61.54	0	1	111.44	0	1	0.88	0.99333333	0.99333333	-0.31333333	1.33E-11	1.21E-10
ENSMUST0000151289	Hmra2	chr16	983.9	983.9	chr16:9839142-9839142	130.42	130.42	0.47	130.42	130.42	0.47	130.42	130.42	0.47	130.42	130.42	0.47	130.42	130.42	0.47	130.42	130.42	0.47	0.66666667	0.66666667	-0.32666667	0.32E-06	3.14E-05	
ENSMUST0000151290	Codc117	chr11	551.3	553300	chr11:5528887-5531533	62.58	32.56	0.67	65.25	35.06	0.68	70.89	25.04	0.91	69.9	57.12	0.1	96.26	61.54	0	54.71	0.3	0.99	0.7	0.88	-0.31	3.33E-07	1.33E-06	
ENSMUST0000151294	Smyr2	chr11	830.3	11781384	chr11:117813278-117814283	77.25	69.4	0.46	72.15	65.48	0.42	59.82	57.69	0.58	70.97	97.96	0.88	69.26	2.95										

ENSMUST0000206147.1	Cbl	chr9	-	1281.6	44143322	chr9:44142977-44143620	82.68	17.62	0.82	66.09	33.52	0.66	60.76	30.7	0.86	107.63	0.72	0.99	83.51	0	1	124.68	0	1	0.713333333	0.96666667	-0.28333333	2.35E-10	3.12E-09	
ENSMUST000010731.3	Kleav2	chr7	+	4692.5	143421002	chr7:14342001-14342101	93.22	73.1	0.53	84.29	74.53	0.56	94.4	80.3	0.65	105.6	49.66	0.77	139.88	18.64	0.91	175.92	39.33	0.82	0.5	0.833333333	-0.28333333	6.95E-10	8.69E-09	7.96E-07
ENSMUST000008198.1	Gua	chr1	+	16666.5	6302909	chr1:6302909-6302912	63.22	131	0.21	63.76	132.38	0.28	117.28	63.76	0.28	131.28	63.76	0.28	131.28	63.76	0.28	131.28	63.76	0.28	0.283333333	0.96666667	-0.28333333	9.26E-08	1.46E-06	
ENSMUST000040853.0	Chr4r	chr9	-	807.7	119421010	chr9:11928343-11924116	84.86	73.1	0.72	84.29	74.53	0.56	94.4	80.3	0.65	105.6	49.66	0.77	139.88	18.64	0.91	175.92	39.33	0.82	0.5	0.71666667	-0.28333333	1.38E-06	9.42E-06	0.00000000
ENSMUST000018870.6	18002200K9r3	chr3	-	3573	14607902	chr3:14603509-14607293	32.47	108.03	0.23	32.65	128.1	0.2	34.76	104.92	0.23	79.54	44.44	0.33	62.89	103	0.38	76	71.38	0.37	0.28666667	0.61	-0.28333333	1.70E-06	1.14E-05	
ENSMUST000004166.8	Fat2	chr1	+	1870.4	6176014	chr1:6176014-6176049	64.44	61.76	0.31	61.76	61.76	0.31	61.76	61.76	0.31	61.76	61.76	0.31	61.76	61.76	0.31	61.76	61.76	0.31	0.28666667	0.61	-0.28333333	6.78E-05	0.0048178039	
ENSMUST000016930.7	Enoph1	chr5	-	580.9	10008040	chr5:10007799-10008760	69.93	53.02	0.57	62.85	49.57	0.62	64.76	44.44	0.57	58.14	44.44	0.57	58.14	44.44	0.57	58.14	44.44	0.57	0.28666667	0.61	-0.28333333	7.52E-05	0.000596802	
ENSMUST000012894.7	Tor1a2	chr2	+	1547.2	106502715	chr2:106502715-106503736	48.95	62.58	0.44	53.2	49.62	0.56	60.66	49.62	0.56	58.14	44.44	0.57	58.14	44.44	0.57	58.14	44.44	0.57	0.28666667	0.61	-0.28333333	7.98E-05	0.000167731	
ENSMUST000002778.8	Foxo3	chr1	+	331.8	10923778	chr1:10923778-109239911	64.74	53.2	0.44	53.2	49.62	0.56	60.66	49.62	0.56	58.14	44.44	0.57	58.14	44.44	0.57	58.14	44.44	0.57	0.28666667	0.61	-0.28333333	1.04E-06	0.00000000	
ENSMUST000011982.7	Htrpp3a	chr2	+	361339.8	75668448	chr2:75666398-75668407	107.81	63.84	0.24	110.33	305.06	0.27	107.81	63.84	0.25	106.76	113.91	0.63	91.08	154.4	0.37	119.67	117.68	0.6	0.283333333	0.38	-0.28	3.75E-15	1.02E-13	
ENSMUST000003054.6	Ppp4r2	chr6	+	61.29	708891781	chr6:10086257-10086934	31.28	262.07	0.11	28.66	269.75	0.11	30.93	265.96	0.11	86.47	144.84	0.37	66.92	113.6	0.37	91.63	133.59	0.41	0.133333333	0.383333333	-0.28	8.02E-14	3.8E-12	
ENSMUST000017033.1	Rpl22	chr1	+	446.7	100991407	chr1:100991407-100991437	61.28	44.67	0.31	61.28	44.67	0.31	61.28	44.67	0.31	61.28	44.67	0.31	61.28	44.67	0.31	61.28	44.67	0.31	0.28666667	0.61	-0.28333333	1.27E-06	2.47E-05	
ENSMUST0000101078.9	Sp7	chr5	+	2328.3	100897169	chr5:76899812-76899937	91.26	108.66	0.65	89.91	106.93	0.64	96.93	102.96	0.64	91.58	117.7	0.93	135.75	0.18	0.1	149.77	15.08	0.91	0.66666667	-0.28	2.88E-10	3.76E-09	0.00000000	
ENSMUST000014848.7	Taf11	chr17	+	678.9	27901400	chr17:27901122-27901789	57.84	47.96	0.57	47.96	47.96	0.57	47.96	47.96	0.57	47.96	47.96	0.57	47.96	47.96	0.57	47.96	47.96	0.57	0.28666667	0.61	-0.28333333	2.22E-07	1.02E-06	
ENSMUST000008951.1	Rpl23	chr1	+	794.8	10085286	chr1:10085286-10085286	76.38	66.42	0.53	66.42	55.71	0.62	66.42	55.71	0.62	66.42	55.71	0.62	66.42	55.71	0.62	66.42	55.71	0.62	0.28666667	0.61	-0.28333333	1.26E-07	1.02E-06	
ENSMUST000010977.7	Zmiz2	chr11	+	3371.9	6405467	chr11:6404980-6405118	76.38	49.56	0.63	57.27	49.56	0.70	57.27	49.56	0.70	57.27	49.56	0.70	57.27	49.56	0.70	57.27	49.56	0.70	0.28666667	0.61	-0.28333333	2.82E-08	1.15E-06	
ENSMUST0000074127.13	Ahn3a3	chr11	+	402	61240072	chr11:61240072-61240321	24.4	12.45	0.66	22.86	10.94	0.66	25.12	6.44	0.8	78.57	2.16	0.97	50.08	0.8	0.1	77.7	0.0	1	0.71	0.99	-0.28	1.85E-05	0.000100778	
ENSMUST000001151.8	Cdrlb3	chr8	+	276.9	13490424	chr8:13490424-13492528	41.26	55.3	0.41	41.26	55.3	0.41	41.26	55.3	0.41	41.26	55.3	0.41	41.26	55.3	0.41	41.26	55.3	0.41	0.28666667	0.61	-0.28333333	4.93E-05	0.000049697	
ENSMUST0000048184.3	Pfcd7	chr9	+	282	61258817	chr9:61258817-61258943	36.28	12.49	0.75	15.18	10.94	0.66	25.85	13.4	0.75	42.36	0.1	41.67	0.7	0.1	41.67	0.7	0.1	41.67	0.7	0.1	0.71	-0.28	7.87E-05	0.000037239
ENSMUST000006097.11	Drap3	chr16	+	449.5	4707311	chr16:4705887-4707395	38.87	30.83	0.56	39.78	34.7	0.54	34.8	25.73	0.57	45.45	18.48	0.72	61.87	0.2	20.81	56.68	13.18	0.79	0.56666667	0.36666667	-0.28	0.000549838	0.020712625	
ENSMUST000001920.12	Ahr1	chr2	+	251.8	11971810	chr2:11971810-11973442	27.42	42.2	0.38	27.56	38.89	0.43	25.68	37.89	0.4	30.52	8.07	0.79	24.4	20.81	0.54	40.12	25.68	0.82	0.4	0.66666667	-0.28	0.007710924	0.021016337	0.00000000
ENSMUST000027594.1	Prcp	chr7	+	289.8	92033857	chr7:9203272-92034014	16.75	37.9	0.31	9.5	24.8	0.29	34.8	26.59	0.48	13.91	20.41	0.41	31.21	0.1	16.25	22.33	0.42	0.3	0.66666667	-0.28	0.027935792	0.06577252	0.00000000	
ENSMUST0000102268.0	Ppp1c2	chr6	+	11807.9	122174704	chr6:122174655-122175273	357.09	69.92	0.66	328.82	67.74	0.61	326.84	189.9	0.63	308.53	54.99	0.85	351.85	0.1	338.87	44.21	0.89	0.833333333	0.91	-0.27666667	7.23E-23	4.20E-21		
ENSMUST000001334.8	Rpl23b2	chr4	+	5370.64	63292054	chr4:63292054-63292223	193.31	41.84	0.28	147.91	389.14	0.28	148.14	389.14	0.28	147.91	389.14	0.28	148.14	389.14	0.28	147.91	389.14	0.28	0.283333333	0.66	-0.27666667	4.56E-13	9.74E-12	
ENSMUST0000153065.7	4833438L19Rk1	chr13	+	4200.3	54552451	chr13:54551290-54552817	118.49	61.92	0.66	113.98	207.78	0.66	126.83	151.9	0.71	171.65	15.46	0.93	151.76	0.1	171.06	19.7	0.9	0.66666667	-0.28	0.000549838	0.020712625	0.00000000		
ENSMUST0000028989.4	4833438L19Rk1	chr13	+	4200.3	54552451	chr13:54551290-54552817	118.49	61.92	0.66	113.98	207.78	0.66	126.83	151.9	0.71	171.65	15.46	0.93	151.76	0.1	171.06	19.7	0.9	0.66666667	-0.28	0.000549838	0.020712625	0.00000000		
ENSMUST0000025962.7	Keop2	chr19	+	2763	6872566	chr19:6872566-6872566	34.64	61.92	0.66	113.98	207.78	0.66	126.83	151.9	0.71	171.65	15.46	0.93	151.76	0.1	171.06	19.7	0.9	0.66666667	-0.28	0.000549838	0.020712625	0.00000000		
ENSMUST0000020810.9	Cal	chr2	+	180.2	10345453	chr2:10345384-10345481	67.54	61.92	0.61	68.48	65.98	0.63	69.63	30.6	0.89	76.93	17.33	0.82	93.37	0.1	91.08	19.7	0.89	0.27666667	0.433333333	-0.27666667	2.26E-10	3.00E-09		
ENSMUST0000115227.9	Sdn1	chr16	+	99.9	14571222	chr16:14570625-14580631	23.02	72.36	0.25	20.1	66.84	0.28	21.1	72.88	0.28	24.59	36.28	0.55	28.91	31.54	0.48	38.89	33.46	0.54	0.24666667	0.233333333	-0.27666667	0.002778654	0.001153991	
ENSMUST0000019271.9	Eno1	chr1	+	68.2	6829266	chr1:6829266-6829279	66.64	61.92	0.66	68.48	65.98	0.63	69.63	30.6	0.89	76.93	17.33	0.82	93.37	0.1	91.08	19.7	0.89	0.27666667	0.433333333	-0.27666667	2.26E-10	3.00E-09		
ENSMUST0000027580.0	Six3S5	chr1	+	243.8	12559539	chr1:125594913-12559539	13.02	72.36	0.25	20.1	66.84	0.28	21.1	72.88	0.28	24.59	36.28	0.55	28.91	31.54	0.48	38.89	33.46	0.54	0.24666667	0.233333333	-0.27666667	0.002778654	0.001153991	
ENSMUST0000102696.9	Set	chr2	+	162171.8	30071333	chr2:300707919-30072758	978.39	119.35	0.45	988.05	116.81	0.44	949.62	1315.65	0.42	455.2	369.77	0.55	699.68	72.55	0.91	497.18	349.22	0.67	0.49666667	0.07	-0.273333333	2.32E-38	3.86E-36	
ENSMUST000014851.2	Rpl23b1	chr4	+	3786.2	6376122	chr4:6376122-6376122	3786.2	139.1	0.72	139.1	139.1	0.72	139.1	139.1	0.72	139.1	139.1	0.72	139.1	139.1	0.72	139.1	139.1	0.72	0.28666667	0.61	-0.28333333	2.79E-05	0.00000000	
ENSMUST0000102866.2	Farsa	chr8	+	1188.5	8488907	chr8:8488886-8488927	118.7	157.1	0.43	95.13	132.4	0.35	136.28	119.93	0.53	122.52	124.2	0.67	210.81	0.62	0.96	105.75	106.08	0.5	0.49666667	0.07	-0.273333333	1.57E-09	1.86E-08	
ENSMUST0000194558.3	Kfn4a	chr3	+	3888.1	6807348	chr3:68073221-68074187	92.64	34.9	0.72	75.41	38.84	0.71	82.27	47.17	0.65	112.84	12.29	0.9	101.47	0.1	116.63	0.1	116.63	0.1	0.833333333	0.96666667	-0.273333333	1.12E-08	1.17E-07	
ENSMUST0000020852.4	Ltmt2	chr15	+	1101.4	10076968	chr15:10076968-10076968	1101.4	32.82	0.48	32.82	72.5	0.48	44.23	70.95	0.48	44.23	70.95	0.48	44.23	70.95	0.48	44.23	70.95	0.48	0.28666667	0.61	-0.28333333	1.69E-06	1.69E-06	
ENSMUST0000029875.3	Tmem55a	chr4	+	1049.4	14814369	chr4:14813724-14815176	82.39	36.92	0.69	74.41	42.1	0.64	85.27	49.57	0.7	91.07	50.74	0.8	117.82	0.1	93.77	9.03	0.91	0.71	0.76666667	-0.273333333	1.71E-			

ENSMUST0000049057.4	Fam171a2	chr11	-	3348.1	102438708	chr11:102439681-102439809	26.88	26.86	0.52	32.84	27.39	0.55	29.15	25.78	0.53	285.82	147.62	0.66	224.43	0	1	280.09	126.45	0.7	0.453333333	0.786666667	-0.253333333	0.002176508	0.00722195				
ENSMUST000002664.1	Strf10	chr4	-	847.9	135868596	chr4:135867126-135869098	57.68	58.24	0.39	54.96	60.26	0.88	60.26	57.41	27.95	0.57	30.78	37.41	0.28	11.25	0.73	37.41	22.48	0.62	0.386666667	0.7	-0.253333333	0.00229914	0.00746877				
ENSMUST000002719.2	Hu272	chr5	-	586.9	8800894	chr5:8800513-88009470	32.44	32.38	0.19	34.3	32.38	0.42	34.3	32.38	64.4	0.29	61.4	61.4	0.72	0.81	0.78	61.4	63.17	0.31	0.453333333	0.3	-0.253333333	0.013211323	0.003707				
ENSMUST000002777.11	Parp1	chr1	-	8704.7	180860973	chr1:180860455-18081254	200.71	192.93	0.59	180.89	180.28	0.51	195.61	180.7	0.7	295.89	1	1	208.56	55.48	0.79	0.58	45.48	0.79	0.58	0.84	0.25	2.50E-12	4.58E-11	0.00106847			
ENSMUST0000023263.9	Pimne1	chr7	-	979.1	100327166	chr7:100326737-100327082	44.45	23.68	0.66	68.46	12.96	0.88	48.39	33.4	0.59	15.82	14.21	0.85	119.71	0	1	168.68	2.7	0.98	0.633333333	0.4	0.453333333	-0.25	2.48E-06	1.59E-05	0.00254608		
ENSMUST0000013194.8	Arp2	chr10	-	482.2	5474784	chr10:5474784-134750202	44.31	44.22	0.72	45.62	44.22	0.72	45.62	44.22	85.6	0.17	85.6	85.6	0.17	85.6	0.17	85.6	85.6	0.17	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000020365.14	Mum1	chr10	-	1033.9	80243793	chr10:80243586-80243033	55.68	61.31	0.68	78.44	52.91	0.61	87.39	53.9	0.72	64.1	25.49	0.82	24.6	0.86	79.44	44.13	0.88	0.853333333	-0.25	1.98E-05	0.000106847	0.00106847	0.000106847				
ENSMUST00000597880.5	Rarb18	chr8	-	2642.3	6778786	chr8:6778786-4790231	76.98	69.59	0.53	75.22	53.27	0.59	85.97	63.54	0.57	175.48	80.6	0.69	145.2	0	1	181.69	60.9	0.7	0.533333333	0.3	-0.253333333	-0.25	2.03E-05	0.000109242	0.000109242		
ENSMUST0000040512.2	Lnc22	chr12	-	422.2	18320474	chr12:18320474-11002928	32.41	32.41	0.42	32.41	32.41	0.42	32.41	32.41	17.1	0.42	17.1	17.1	0.42	17.1	0.42	17.1	17.1	0.42	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST00000500075.14	Lanc22	chr6	-	172.3	57738012	chr6:57737556-57738482	14.85	14.85	0.64	14.85	14.85	0.64	14.85	14.85	0.31	14.85	14.85	0.31	14.85	0.31	14.85	6.32	0.93	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
ENSMUST0000018577.7	Na11	chr11	-	2674.1	107167440	chr11:107167440-107167441	134.01	119.73	0.53	136.7	102.71	0.57	138.44	103.07	0.57	81.07	0.49	0.99	61.07	41.48	0.68	0.68	66.6666667	-0.25	0.00119395	0.000666667	-0.25	0.00119395	0.000666667	0.000666667	0.000666667		
ENSMUST00000170265.7	Hu272	chr5	-	189.9	112915967	chr5:112915967-112915968	26.54	26.54	0.29	26.54	26.54	0.29	26.54	26.54	17.78	0.29	17.78	17.78	0.29	17.78	0.29	17.78	17.78	0.29	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000031287.10	Tps22	chr5	-	184.9	112315050	chr5:112314891-112315061	26.54	26.54	0.78	26.54	26.54	0.78	26.54	26.54	0.1	26.54	0.1	0.1	63.87	0	1	63.87	0	1	0.95	0.25	0.00077881	0.001517374	0.001517374	0.001517374	0.001517374		
ENSMUST000001559.10	Hg2	chr6	-	804	12841102	chr6:12840444-12841047	45.45	45.45	0.43	45.45	45.45	0.43	45.45	45.45	0.1	45.45	0.1	0.1	53.03	0	1	53.03	0	1	0.7	0.686666667	-0.25	0.00746334	0.020202136	0.020202136	0.020202136	0.020202136	
ENSMUST0000034065.9	Hu272	chr5	-	293.9	14774386	chr5:14774386-17734488	37.45	37.45	0.68	37.45	37.45	0.68	37.45	37.45	13.78	0.68	13.78	13.78	0.68	13.78	0.68	13.78	13.78	0.68	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000010327.14	Pex14	chr4	-	1470.8	148961293	chr4:148960535-148961794	45.45	45.45	0.41	45.45	47.01	0.41	45.45	47.01	41.26	0.62	69.4	2.68	0.98	69.42	39.59	0.64	0.49	0.49	0.25	0.02008856	0.006666667	-0.25	0.02008856	0.006666667	0.006666667		
ENSMUST0000012122.24	Clk2	chr3	-	267.4	89176736	chr3:89176994-89177621	27.53	27.53	0.61	29.93	11.63	0.7	30.76	16.29	0.65	45.64	8.41	0.84	39.26	0	1	43.65	6.52	0.67	0.633333333	0.3	-0.253333333	-0.25	0.00390962	0.011628933	0.011628933		
ENSMUST0000020835.15	Psm1d	chr11	-	296.5	353439257	chr11:353439257-48347086	22.37	22.37	0.41	25.01	44.48	0.41	25.01	44.48	23.85	0.41	23.85	23.85	0.41	23.85	0.41	23.85	23.85	0.41	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000023924.3	Rfp14	chr14	-	345.3	8095357	chr14:8098906-8091834	32.39	32.39	0.38	27.2	55.63	0.38	27.2	55.63	19.15	0.64	29.7	22.51	0.57	29.88	24.34	0.55	0.200749679	-0.25	0.00749679	0.586666667	-0.25	0.00749679	0.586666667	0.586666667	0.586666667		
ENSMUST0000018836.1	Placr1	chr9	-	149.3	92271778	chr9:92271529-92271975	8.57	8.57	0.37	11.91	21.15	0.28	11.91	21.15	20.81	0.28	20.81	20.81	0.28	20.81	20.81	0.28	20.81	20.81	0.28	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333
ENSMUST0000019202.1	Ywhag	chr5	-	7414.8	13589893	chr5:13589893-135909121	27.52	27.52	0.64	26.69	157.27	0.61	24.92	154.16	0.84	221.38	109.89	0.7	842.48	177.65	0.63	0.62	0.62	0.25	0.024666667	-0.25	0.024666667	0.024666667	0.024666667	0.024666667	0.024666667		
ENSMUST000001487.12	Pop5	chr5	-	1329.6	115240882	chr5:115240882-115240991	151.41	142.45	0.52	183.83	69.87	0.47	174.41	94.13	0.65	125.28	24.16	0.84	309.2	1	1	131.04	45.95	0.74	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
ENSMUST00000113023.9	Piba	chr2	-	10327.4	30448887	chr2:30448577-30447617	86.63	65.43	0.66	93.23	44.48	0.68	104.61	40.55	0.72	198.57	32.09	0.86	288.34	0	1	208.35	12.63	0.94	0.686666667	0.333333333	-0.246666667	0.686666667	0.686666667	0.686666667	0.686666667		
ENSMUST0000020835.15	Psm1d	chr11	-	296.5	353439257	chr11:353439257-48347086	22.37	22.37	0.41	25.01	44.48	0.41	25.01	44.48	23.85	0.41	23.85	23.85	0.41	23.85	0.41	23.85	23.85	0.41	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000031795.7	Fkbp9	chr8	-	1587.1	56878614	chr8:56878034-56878358	135.91	124.08	0.64	143.58	66.42	0.68	136.53	75.26	0.64	75.26	64.18	0.76	93.82	22.92	0.7	77.99	6	0.93	0.633333333	0.3	-0.246666667	0.84E-06	9.48E-05	0.00028698	0.00028698		
ENSMUST0000014499.9	Anrap1	chr2	-	524	128612743	chr2:12861014-12813063	34.89	33.1	0.21	33.54	146.34	0.19	34.29	131.61	0.21	57.88	59.88	0.48	26.55	55.78	0.32	55.78	55.78	0.32	0.253333333	0.45	-0.246666667	9.00E-06	5.23E-05	0.00028698	0.00028698		
ENSMUST0000020919.11	Tripg3	chr4	-	751.3	128165377	chr4:128164926-128165617	147.22	147.68	0.47	149.68	161.94	0.46	150.99	161.94	0.46	150.99	161.94	0.46	150.99	161.94	0.46	150.99	161.94	0.46	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000030346.11	Pncr2	chr4	-	573	135872253	chr4:135870918-135872454	81.89	73.25	0.28	84.76	34.36	0.72	84.39	36.91	0.71	64.78	10.86	0.86	54.18	0	1	63.74	1.22	0.98	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
ENSMUST0000010733.2	Zfp92	chr4	-	176.1	14646184	chr4:14645881-146470252	9.5	10.49	0.68	10.88	10.88	0.68	10.88	10.88	22.07	0.48	22.07	22.07	0.48	22.07	22.07	0.48	22.07	22.07	0.48	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333
ENSMUST0000027624.1	Hu272	chr5	-	791.1	128165377	chr5:128165377-128165617	147.22	147.68	0.47	149.68	161.94	0.46	150.99	161.94	0.46	150.99	161.94	0.46	150.99	161.94	0.46	150.99	161.94	0.46	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	0.25	0.453333333	
ENSMUST0000016736.2	Rab12	chr17	-	837.9	66485149	chr17:66484512-66485003	28.68	11.46	0.71	27.96	0.88	0.46	28.68	13.06	0.72	24.76	0.58	14.36	0.86	13.06	0.8	0.7	15.70	19.34	0.89	0.37	0.37	0.37	0.37	0.37	0.37	0.37	
ENSMUST0000040071.7	Kl15	chr9	-	381.4	120133557	chr9:120133557-120133558	37.25	23.01	0.58	24.46	22.91	0.67	37.25	31.77	0.57	45.09	21.67	0.54	42.59	0	1	51.72	11.53	0.62	0.686666667	0.333333333	-0.246666667	0.007673208	0.02957772	0.02957772	0.02957772		
ENSMUST0000019202.1	Ywhag	chr5	-	7414.8	13589893	chr5:13589893-135909121	27.52	27.52	0.64	26.69	157.27	0.61	24.92	154.16	0.84	221.38	109.89	0.7	842.48	177.65	0.63	0.62	0.62	0.25	0.024666667	-0.25	0.024666667	0.024666667	0.024666667	0.024666667	0.024666667		
ENSMUST000001559.10	Fkbp10	chr11	-	278.2	100244809	chr11:100243888-100244824	32.25	33.03	0.53	28.74	32.27	0.56	32.37	31.77	0.54	26.26	0.72	0.7	63.32	0	1	51.53	23.22	0.27	0.553333333	0.3	-0.246666667	0.00660606	0.0183555	0.0183555	0.0183555		
ENSMUST0000049166.4	Dct5	chr6	-	188.3	40776355	chr6:4076899-4078036	27.43	34.43</																									

ENSMST00000003717.8	Hoca	chrX	-	1651.4	169312571	chrX:169311530-169313022	158.06	46.7	0.77	146.95	58.12	0.72	155.12	54.91	0.74	107.4	4.08	0.96	89.52	0	1	106.86	4.2	0.96	0.743333333	0.973333333	-0.23	1.06E-06	1.12E-07	
ENSMST00000007257.13	Asc2c	chr11	-	515.4	4873108	chr11:4862907-4863385	49.22	35.12	0.58	55.19	18.02	0.75	45.19	2.94	0.96	64.2	0	1	89.02	0	1	89.02	0	1	0.733333333	0.993333333	-0.23	2.40E-06	1.56E-05	
ENSMST00000002024.15	Arp23	chr11	-	952.9	5042468	chr11:5041178-5042791	57.59	65.12	0.49	67.26	61.4	0.5	62.12	61.8	0.5	123.87	24.48	0.7	127.81	113.71	0	1	137.34	0	1	0.733333333	0.733333333	-0.23	4.29E-02	2.03E-05
ENSMST000000033095.9	Pr14	chr4	-	396.3	127476653	chr4:127476384-127476758	48.29	42.10	0.58	44.10	11.02	0.75	48.19	0	1	74.18	0	1	74.18	0	1	75.1	0	1	0.77	0.77	-0.23	1.57E-05	8.65E-05	
ENSMST000000021676.11	Erp2b	chr12	-	868.1	68181940	chr12:68181544-68181913	90.09	59.2	0.6	85.19	67.09	0.69	87.2	62.42	0.58	101.29	32.84	0.76	117.88	44.03	0.67	0.58	0.81	0.23	0.67	0.58	0.81	0.23	0.58E-05	0.00202766
ENSMST00000004076.15	Arp23	chr11	-	2928.1	129218109	chr11:129218109-129218550	40.12	35.2	0.69	37.12	22.72	0.72	35.22	22.72	0.72	45.29	24.29	0.69	45.29	40.29	0.67	0.63	0.63	0.63	0.63	0.633333333	0.633333333	-0.23	4.91E-05	0.00047277
ENSMST000000010075.3	Unc119	chr11	-	855.2	73848005	chr11:73848051-73848199	43.45	25.1	0.63	33.69	16.96	0.64	37.17	61.92	0.5	107.32	32.64	0.76	119.44	36.39	0.89	1.80	1.75	34.03	0.67	0.58	0.81	0.23	0.00120016	0.00544431
ENSMST000000050957.10	Dmrt1	chr5	-	341.8	91197799	chr5:9119045-9120138	51.27	58.02	0.78	58.24	17.91	0.73	50.6	5.06	0.82	59.15	0	1	35.03	0	1	35.03	0	1	0.77	1	-0.23	0.0002237	0.00042729	
ENSMST00000001921.38	Arp23	chr11	-	341.8	91197799	chr5:9119045-9120138	51.27	58.02	0.78	58.24	17.91	0.73	50.6	5.06	0.82	59.15	0	1	35.03	0	1	35.03	0	1	0.77	1	-0.23	0.0002237	0.00042729	
ENSMST000000075550.3	Cerph	chr13	-	670.7	10078227	chr13:100780764-10078194	35.11	15.01	0.38	48.25	44.14	0.54	54.54	54.54	0.38	77.07	33.12	0.7	106.63	45.91	0.79	89.31	31.98	0.68	0.483333333	0.723333333	-0.23	0.00022165	0.00069277	
ENSMST000000014437.8	Pcp2b2	chr9	-	2402.1	52885225	chr9:52885079-52885411	241.94	154.1	0.61	236.39	64.79	0.59	247.59	152.01	0.62	63.52	19.65	0.76	58.9	0	1	56.45	18.22	0.75	0.636666667	0.366666667	-0.23	0.00242175	0.01024476	
ENSMST000000019010.1	Arp23	chr11	-	1929.1	10485021	chr11:10485021-10485021	61.49	19.9	0.61	19.9	61.49	0.61	19.9	61.49	0.61	78.4	61.49	0.61	78.4	61.49	0.61	78.4	61.49	0.61	0.733333333	0.733333333	-0.23	0.00162201	0.00162201	
ENSMST000000010268.10	Ydc	chr4	-	2487.4	12485021	chr4:12484547-12485239	54.95	12.61	0.33	52.47	118.31	0.31	72.01	82.04	0.47	40.27	35.65	0.53	64.28	9.37	0.87	33.81	50.24	0.4	0.37	0.23	0.00078148	0.00240558		
ENSMST000000024087.1	Cdkn1b	chr6	-	5781.3	134924625	chr6:134924243-134925230	41.13	46.79	0.47	33.5	68.44	0.33	38.07	56.41	0.4	112.72	89.98	0.56	100.69	25.71	0.81	116.43	105.64	0.52	0.4	0.63	0.00029284	0.00348176		
ENSMST000000029929.6	Arp23	chr11	-	538.2	93262426	chr11:93262426-93262426	61.49	19.9	0.61	19.9	61.49	0.61	19.9	61.49	0.61	78.4	61.49	0.61	78.4	61.49	0.61	78.4	61.49	0.61	0.486666667	0.486666667	-0.23	0.00047523	0.00047523	
ENSMST0000000233467.1	No18	chr13	-	249.4	149678737	chr13:149678386-149678979	41.13	26.69	0.62	35.54	68.44	0.53	44.02	36.06	0.6	35.5	48.03	0.4	11.2	85.9	0.7	26.53	22.25	0.54	0.5	0.78	-0.23	0.012139992	0.03012654	
ENSMST000000018002.12	Hm3	chr2	-	581.2	163045798	chr2:163045203-163046141	15.02	20.29	0.43	14.82	19.3	0.43	14.82	19.3	0.43	43.38	42.13	0.57	95.72	17.07	0.85	55.8	35.66	0.61	0.426666667	0.666666667	-0.23	0.013414334	0.03119985	
ENSMST0000000165151.6	Hm3	chr2	-	1022.9	33110065	chr2:33110065-33111108	28.19	17.64	0.58	19.47	15.48	0.58	19.47	15.48	0.58	31.56	14.88	0.72	48.23	4.14	0.9	0.74	0.23	0.23	0.163333333	0.433333333	-0.23	0.016317334	0.04162946	
ENSMST0000000108565.7	Zfp444	chr7	-	138.3	6189635	chr7:6189406-6189846	19.71	11.29	0.58	17.14	19.45	0.53	20.1	19.45	0.52	36.57	13.9	0.72	45.15	8.15	0.85	30.6	10.6	0.75	0.483333333	0.733333333	-0.23	0.0284535	0.06678328	
ENSMST0000000133625.7	Tert2	chr6	-	601	10707215	chr6:10708400-10707056	20.82	19.6	0.52	16.44	21.73	0.43	14.2	26.09	0.35	67.97	64.24	0.51	91.76	0	1	63.36	67.83	0.48	0.433333333	0.633333333	-0.23	0.041083675	0.09696447	
ENSMST00000005557.9	Zfp45	chr8	-	5475.7	12186233	chr8:121861159-121893095	148.68	61.35	0.67	167.47	192.83	0.74	192.83	57.07	0.77	214.77	0.23	0.83	165.84	0	1	245.75	0	1	0.226666667	0.226666667	-0.23	2.36E-12	4.34E-11	
ENSMST000000025483.9	Nars	chr18	-	10978.1	6450399	chr18:6449965-6450049	209.39	125.21	0.63	112.04	62.2	0.62	206.92	172.53	0.55	284.67	134.31	0.66	372.45	0	1	313.81	67.39	0.82	0.6	0.23	0.041083675	0.09696447		
ENSMST000000020278.10	Nudst2	chr11	-	1174.9	40739410	chr11:40739159-40740046	91.85	184.53	0.63	289.71	159.83	0.64	295.4	154.97	0.66	184.35	49.45	0.77	267.7	0	1	181.09	35.66	0.84	0.643333333	0.87	-0.226666667	9.37E-12	1.52E-10	
ENSMST000000022093.9	Med10	chr13	-	4360	9815484	chr13:9815519-98161104	103.73	98.98	0.54	140.63	62.87	0.59	97.5	207.01	0.5	207.01	78.97	0.72	392.95	33.79	0.92	232.74	10.62	0.77	0.676666667	0.933333333	-0.226666667	1.61E-09	1.91E-08	
ENSMST000000022388.1	Eif5	chr12	-	6790.1	11544815	chr12:11544529-11546748	254.27	242.08	0.45	241.36	50.7	0.46	251.36	301.74	0.68	104.35	109.39	0.64	121.08	66.13	0.65	198.5	74.94	0.73	0.446666667	0.733333333	-0.23	0.000666667	1.82E-09	
ENSMST0000000109897.7	Upo1b1	chr11	-	7438.4	5034446	chr11:50344178-5034729	61.98	55.97	0.53	53.13	61.03	0.47	60.98	50.01	0.55	125.07	102.62	0.6	344.39	0	1	170.93	100.21	0.63	0.516666667	0.433333333	-0.226666667	1.07E-06	7.50E-05	
ENSMST00000005224.10	Sab1	chr17	-	2656.7	16995177	chr17:16995176-169960324	72.5	55.09	0.57	72.5	80.65	0.57	71.3	124.48	0.76	167.5	174.78	0.75	185.87	0.91	1	133.7	18.87	0.91	0.616666667	0.616666667	-0.226666667	6.76E-06	4.04E-05	
ENSMST000000060895.5	Usp2	chr11	-	1290.6	11231928	chr11:11231673-11232129	31.95	29.1	0.92	25.22	12.03	0.53	22.23	12.03	0.52	15.25	17.62	0.88	18.56	0	1	153.2	5.18	0.97	0.723333333	0.733333333	-0.23	0.000666667	2.45E-05	
ENSMST000000033591.5	Hm2a	chrX	-	2319.7	107397582	chrX:107397099-107397789	49.29	36.79	0.57	46.12	11.8	0.53	62.33	22.23	0.73	73.02	26.27	0.72	157.52	0	1	90.34	23.53	0.79	0.81	0.366666667	-0.226666667	5.40E-05	0.00026949	
ENSMST00000004044.9	Rp23	chr1	-	1929.1	92609634	chr1:92609634-92609496	47.49	16.9	0.69	16.9	47.49	0.69	16.9	47.49	0.69	78.9	16.9	0.69	78.9	16.9	0.69	78.9	16.9	0.69	0.733333333	0.733333333	-0.23	0.00019934	0.00019934	
ENSMST000000029405.7	Gmps	chr3	-	1642.7	64018834	chr3:64018833-64022579	49.29	36.79	0.57	46.12	11.8	0.53	62.33	22.23	0.73	73.02	26.27	0.72	157.52	0	1	90.34	23.53	0.79	0.81	0.366666667	-0.226666667	5.40E-05	0.00026949	
ENSMST000000020996.18	Tspan13	chr12	-	7897.2	39014920	chr12:39014577-39015772	34.53	37.29	0.48	39.62	39.35	0.5	47.07	37.32	0.56	285.71	63.32	0.65	340.24	37.25	0.9	317.25	151.42	0.67	0.513333333	0.733333333	-0.23	0.00015274	0.00060728	
ENSMST00000009231.8	Caf	chr7	-	682.8	101504438	chr7:101504438-101504600	61.49	19.9	0.61	19.9	61.49	0.61	19.9	61.49	0.61	78.4	61.49	0.61	78.4	61.49	0.61	78.4	61.49	0.61	0.733333333	0.733333333	-0.23	0.001902629	0.001902629	
ENSMST0000000333992.8	Ger	chr8	-	2706	33697356	chr8:33697146-33698163	120.91	58.67	0.67	127.84	51.1	0.67	117.37	73.52	0.62	45.01	49.11	0.63	54.64	0	1	49.11	11.62	0.81	0.616666667	0.81	-0.226666667	0.00190354	0.00367709	
ENSMST000000020237.10	Tmed5	chr5	-	631.4	108145035	chr5:108142127-108124759	80.41	34.47	0.7	73.06	52.37	0.6	72.09	57.29	0.56	47.2	10.4	0.82	50.4	59.2	0.7	51.06	19.94	0.71	0.646666667	0.67	-0.226666667	0.00186134	0.00537819	
ENSMST000000016077.7	Ctcf	chr16	-	2706.8	17006977	chr16:17006977-170069316	47.49	16.9	0.69	16.9	47.49	0.69	16.9	47.49	0.69	78.9	16.9	0.69	78.9	16.9	0.69	78.9	16.9	0.69	0.733333333	0.733333333	-0.23	0.00726943	0.00726943	
ENSMST0000000117994.7	Ctcf	chr16	-	82.7	108145035	chr5:108142127-108124759	80.41	34.47	0.7	73.06	52.37	0.6	72.09	57.29	0.56	47.2	10.4	0.82	50.4	59.2	0.7	51.06	19.94	0.71	0.646666667	0.67	-0.226666667	0.00186134	0.00537819	
ENSMST00000002126.10	Hm4	chr7	-	199.2	97541252	chr7:97541120-																								

ENSMU000000164506.2	Ccd3	chr11	-	1252	10268561	chr11:10268468-10268496	148.27	0.72	138.77	80.46	0.63	144.7	64.42	0.89	56.77	9.52	0.86	45.03	0	1	55.37	11.79	0.82	0.68	0.89333333	-0.21333333	0.00170146	0.0056561		
ENSMU000000171560.3	Uca4	chr3	-	1434.6	59789253	chr3:59789159-59789303	41.16	19.54	0.68	34.78	27.62	0.56	31.69	40.54	0.71	92.56	14.19	0.87	107.19	0.79	27.44	0.8	0.68	0.7	0.79333333	-0.21333333	0.00187637	0.01007861		
ENSMU000000135324.4	Trm2b3	chr17	-	276.8	4566071	chr17:4566011-45660826	31.89	23.16	0.58	23.7	21.89	0.67	24.29	46.28	0.61	64.28	19.27	0.8	64.28	0.41	65.67	0.8	0.71	0.8	0.73333333	-0.21333333	0.00189393	0.01007861		
ENSMU000000118660.3	Cu4	chr8	-	2227.8	13147534	chr8:13146532-13147940	43.9	19.57	0.68	50.71	26.62	0.66	47.21	93.06	0.79	79.55	0	1	107.12	0.79	26.94	0.8	0.68	0.2	0.73333333	-0.21333333	0.00528938	0.01377188		
ENSMU000000047073.3	Dhr24	chr4	-	5269.5	10689899	chr4:10689812-10689707	231.48	246.18	0.48	317.17	216.29	0.59	205.14	366.29	0.49	78.22	62.62	0.82	50.46	4.84	0.91	98.07	23.84	0.8	0.6	0.73333333	-0.21333333	0.00466329	0.01411962	
ENSMU000000198432.4	Fbn1	chr17	-	287.4	48211738	chr17:48211678-48211881	30.43	18.17	0.58	30.43	18.17	0.58	30.43	18.17	0.58	30.43	18.17	0.58	30.43	18.17	0.58	30.43	18.17	0.58	0.4	0.83333333	-0.21333333	0.01605441	0.02267881	
ENSMU000000186536.8	Sic35a4	chr18	-	391.1	3668179	chr18:3668158-3668381	58.59	18.68	0.76	55.01	38.27	0.59	61.02	33.05	0.65	48.45	0.48	1	44.74	10.12	1.02	0.82	0.66	0.2	0.73333333	-0.21333333	0.00789161	0.02267881		
ENSMU000000001415.8	Vp50	chr6	-	423.9	8620144	chr6:8620090-8620331	14.48	53.02	0.28	15.51	47.34	0.25	18.57	43.05	0.31	39.94	44.07	0.85	45.87	41.13	0.53	0.48	0.67	0.27	0.21333333	-0.21333333	0.00002984	0.02247627		
ENSMU000000034684.8	Sf1	chr15	-	281.6	12491460	chr15:12491420-12491073	28.61	28.61	0.68	28.61	28.61	0.68	28.61	28.61	0.68	28.61	28.61	0.68	28.61	28.61	0.68	28.61	28.61	0.68	0.2	0.73333333	-0.21333333	0.00401863	0.02247627	
ENSMU000000014265.8	Sf1	chr15	-	281.6	8620502	chr15:8620483-86208725	14.48	53.02	0.28	15.51	47.34	0.25	18.57	43.05	0.31	39.94	44.07	0.85	45.87	41.13	0.53	0.48	0.67	0.27	0.21333333	-0.21333333	0.00002984	0.02247627		
ENSMU000000150008.9	Cc2a2	chr14	-	687.7	7607805	chr14:7607803-76078022	25.44	60.99	0.29	32.76	61.10	0.35	32.62	57.56	0.36	17.61	34.38	0.34	33.11	14.46	0.7	27.33	18.27	0.6	0.33333333	-0.21333333	0.00466667	0.02247627		
ENSMU00000010487.8	Pdp1c	chr15	-	1945.1	16451788	chr15:16451781-16452000	107.2	107.2	0.61	107.2	107.2	0.61	107.2	107.2	0.61	107.2	107.2	0.61	107.2	107.2	0.61	107.2	107.2	0.61	0.2	0.73333333	-0.21333333	0.0011181	0.02247627	
ENSMU0000001809.4	Pdp1c	chr15	-	390547.3	3655784	chr15:3655661-3655909	1030.94	1030.94	0.65	1126.47	458.07	0.73	112.6	413.74	0.92	71.3	0.94	1	832.06	191.14	0.81	0.7	5.83E-42	0.21	0.46666667	-0.21333333	0.00123333	0.03300272		
ENSMU000000052325.6	Rarb1	chr16	-	3726.5	12329392	chr16:12329392-12401013	648.79	72.3	0.60	69.0	210.22	0.63	91.74	183.79	0.83	501.58	0	1	98.9	1.45	1	0.79	1	0.27	0.33333333	-0.21333333	0.00466667	0.06868402		
ENSMU00000010381.8	Yfys	chr16	-	29519.8	1351191	chr16:1351191-3677277	427.8	174.4	0.67	325.58	174.4	0.67	325.58	174.4	0.67	325.58	174.4	0.67	325.58	174.4	0.67	325.58	174.4	0.67	0.2	0.73333333	-0.21333333	0.00181333	0.06868402	
ENSMU000000106291.9	Ube2d3	chr3	-	24530.7	13546588	chr3:13546585-135466008	200.22	25.75	0.73	481.77	270.23	0.64	510.74	245.74	0.68	466.58	116.65	0.8	445.7	490.94	0.4	1	1.67E-53	0.21	0.79	0.83333333	-0.21333333	0.00181333	0.06868402	
ENSMU000000033008.9	Pnma1	chr7	-	7551.4	114284723	chr7:114284606-114284598	224.52	323.22	0.41	249.45	275.76	0.47	280.84	265.19	0.51	305.01	164.62	0.69	68.1	243.17	0.74	344.87	240.66	0.59	0.4	0.83333333	-0.21333333	0.00181333	0.06868402	
ENSMU000000020565.9	Sar1a	chr10	-	7652	61891498	chr10:61891495-61893308	111.49	32.88	0.74	116.83	33.51	0.74	116.83	33.51	0.74	116.83	33.51	0.74	116.83	33.51	0.74	116.83	33.51	0.74	0.2	0.73333333	-0.21333333	0.00181333	0.06868402	
ENSMU000000020008.11	Ptdz4	chrX	-	11430.5	73787611	chrX:73787639-7379520	309.17	62.6	0.77	322.72	170.88	0.76	325.19	123.16	0.73	170.88	13.33	122.6	1	142.82	6.86	0.96	0.2	0.4	0.83333333	-0.21333333	0.00181333	0.06868402		
ENSMU00000005184.11	Pfkfb3	chr3	-	1873.8	14673281	chr3:14673280-146732715	59.43	10.71	0.68	57.53	19.97	0.74	56.84	16.63	0.77	172.88	2.02	0.99	52.01	1	1	1.96E-34	0.21	0.79	0.79666667	-0.21333333	0.00181333	0.06868402		
ENSMU00000016931.7	Ppase1	chr11	-	3206.7	116471279	chr11:116470845-116471855	151.7	151.7	0.5	154.19	131.48	0.54	160.17	128.71	0.61	142.61	161.63	0.61	238.43	159.35	0.41	0.68	0.53	0.74	0.79666667	-0.21333333	0.00181333	0.06868402		
ENSMU000000038228.10	Tm4	chr2	-	803.8	14358664	chr2:14354815-14358865	26.85	19.13	0.68	25.53	6.6	0.79	30.7	0	1	21.32	0	1	202.59	1	1	1	1	0.2	0.79666667	-0.21333333	0.00181333	0.06868402		
ENSMU00000005185.7	Cdb	chr10	-	1336.9	7842752	chr10:7842731-7842762	107.18	62.27	0.61	98.15	89.23	0.52	113.44	46.23	0.62	205.9	39.44	0.84	349.72	44.21	0.89	221.98	117.23	0.5	0.83333333	-0.21333333	0.00181333	0.06868402		
ENSMU000000063038.10	Fam63b	chr1	-	1941.3	6933058	chr1:6933058-69331679	12.89	143.63	0.18	16.22	130.75	0.11	14.17	127.98	0.11	37.08	145.62	0.41	44.98	162.61	0.41	0.34	0.2	0.2	0.69666667	-0.21333333	0.00181333	0.06868402		
ENSMU000000027032.4	Sic3	chr9	-	2759.9	11524384	chr9:11524381-11524405	180.71	63.27	0.68	197.46	88.28	0.66	212.99	109.08	0.66	209.9	80.74	0.74	156.61	9.88	0.94	205.36	60.13	0.77	0.8	0.6	0.2	2.67E-07	0.06868402	
ENSMU00000001580.4	Sdrc	chr1	-	9226	117125704	chr1:117125407-117129505	71.02	55.52	0.68	86.95	66.89	0.69	87.42	33.7	0.72	158	50.73	0.76	203.27	11.95	0.94	176.93	19.15	0.79	0.69666667	-0.21333333	0.00181333	0.06868402		
ENSMU000000027902.4	Dax	chr1	-	2203.8	12686124	chr1:12686120-12686405	117.19	168.68	0.41	110.58	143.55	0.46	96.29	159.88	0.37	124.46	165.18	0.47	165.18	23.66	0.87	151.62	91.82	0.54	0.2	0.69666667	-0.21333333	0.00181333	0.06868402	
ENSMU000000019105.8	Adsa	chr1	-	3459.6	17778322	chr1:17778292-17784297	165.36	65.63	0.68	148.57	82.85	0.69	160.61	110.39	0.76	176.4	0.86	1	104.09	2.83	0.98	107.62	36.95	0.74	0.65	0.65	0.86	0.2	4.93E-05	0.00024547
ENSMU000000029922.4	Rfx1	chr3	-	586	6872330	chr3:6872321-12-6872327	25.3	5	0.83	19.87	19.88	0.5	20.39	0.3	0.79	86.75	0	1	106.98	8.16	0.93	0.79666667	0.21	6.88E-05	0.79666667	-0.21333333	0.00032158	0.00001171		
ENSMU000000009491.9	Ctcf	chr1	-	3329.8	1332949179	chr1:1332949179-133297466	109.2	109.2	0.61	109.2	109.2	0.61	109.2	109.2	0.61	109.2	109.2	0.61	109.2	109.2	0.61	109.2	109.2	0.61	0.2	0.73333333	-0.21333333	0.00001171	0.00001171	
ENSMU000000059228.3	Samd1	chr8	-	328	8399978	chr8:8399971-8400038	60.1	17.28	0.83	19.87	32.68	0.73	20.99	62.07	0.78	66.07	0.92	0.99	68.62	6.42	0.91	0.79666667	0.21	0.00130078	0.69666667	-0.21333333	0.00005296	0.00001171		
ENSMU000000043693.5	Rct1	chr19	-	705.8	2914947	chr19:2914947-2914343	109.9	77.23	0.59	138.32	43.01	0.76	109.9	68.49	0.81	38.74	9.18	0.81	85.45	11.16	0.78	0.83333333	-0.21333333	0.0013479	0.69666667	-0.21333333	0.00099022	0.00001171		
ENSMU000000109392.2	Rct1	chr19	-	705.8	2914947	chr19:2914947-2914343	109.9	77.23	0.59	138.32	43.01	0.76	109.9	68.49	0.81	38.74	9.18	0.81	85.45	11.16	0.78	0.83333333	-0.21333333	0.0013479	0.69666667	-0.21333333	0.00099022	0.00001171		
ENSMU000000052167.8	Gepk1	chr17	-	504.2	35124625	chr17:35124625-35124806	35.78	4.29	0.9	22.86	11.06	0.67	28.62	69.63	0.79	33.2	0.21	0.99	92.43	0	1	0.79666667	0.21	0.0008115	0.99666667	-0.21333333	0.00001171	0.00001171		
ENSMU000000178274.1	Cyfl1	chr15	-	221.3	78647368	chr15:78646827-78647708	42.05	22.05	0.66	40.49	14.79	0.73	38.54	27.49	0.88	53.65	0.67	78.53	0	1	50.58	18.73	0.73	0.69666667	-0.21333333	0.00001171	0.00001171			
ENSMU000000020653.4	Smad2	chr16	-	1262	16166916	chr16:16166916-16166438	54.93	32.82	0.62	54.93	32.82	0.62	54.93	32.82	0.62	54.93	32.82	0.62	54.93	32.82	0.62	54.93	32.82	0.62	0.2	0.73333333	-0.21333333	0.00001171	0.00001171	
ENSMU00000017354.7	Rorb	chr17	-	207.9	34037854	chr17:34037854-34037815	42.05	22.05	0.66	40.49	14.79	0.73	38.54	27.49	0.88	53.65	0.67	78.53	0	1	50.58	18.73	0.73	0.69666667	-0.21333333	0.00001171	0.00001171			
ENSMU000000024533.4	Smad2	chr16	-	376.1	73303207	chr16:73303207-73303294	29.48	43.																						

ENSMST000004604.7	Lib7r	chr12	+	1094.8	102775991	chr12:102775994-102777107	134.59	25.07	0.84	137.53	45.64	0.75	140.94	42.1	0.77	67.48	0	1	43.71	0	1	67.06	3.76	0.95	0.78666667	0.88333333	-0.19666667	8.71E-05	0.00046088		
ENSMST0000010461.7	Hf1ta	chr12	+	3941.3	73848884	chr12:73845552-73947750	44.81	11.71	0.78	28.84	12.38	0.18	35.17	12.4	0.22	65.56	90.33	0.38	78.22	0.22	81.52	0.48	61.14	88.35	0.41	0.22666667	0.42333333	-0.19666667	0.00204396	0.00101208	
ENSMST0000002043.3	Rjap3	chr19	+	2847.3	8029741	chr19:8029724-8029724	34.37	0.24	0.82	28.84	24.92	0.53	37.72	24.92	0.53	37.72	10.76	0.84	44.81	0.37	0.71	0.84	70.43	70.43	0.75	0.59666667	0.78333333	-0.19666667	0.00101208	0.00101208	
ENSMST0000018408.7	Nch	chr10	+	885.7	8148824	chr10:81488457-81487005	101.04	32.76	0.88	44.4	10.77	0.85	105.13	44.4	11.72	64.28	0.22	0.84	70.16	0.78	0.91	0.78	6.78	0.91	0.22666667	0.80333333	-0.19666667	0.00045273	0.00140282		
ENSMST0000018121.7	Med6	chr12	+	460.9	8157371	chr12:81573571-81573960	44.79	24.94	0.44	0.65	67.24	0.21	21.77	53.96	24.12	0.89	104.06	13.68	0.88	146.19	22.96	0.80	100.81	24.09	0.98	0.85	0.46666667	-0.19666667	0.00047672	0.001107575	0.001107575
ENSMST0000009762.4	Pr3	chr12	+	362.3	8219623	chr12:8219612-82199138	31.2	0.23	0.88	26.23	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	0.85	0.33333333	0.33333333	-0.19666667	0.00389181	0.00389181	
ENSMST0000048792.4	111000914Rk	chr2	+	490.3	32379279	chr2:32379101-32379533	41.93	11.01	0.73	23.1	21.67	0.72	31.51	21.67	0.72	31.51	21.67	0.72	31.51	21.67	0.72	31.51	21.67	0.72	0.91	0.85333333	-0.19666667	0.00092415	0.00331917	0.00331917	
ENSMST00000505611.5	Cag6B	chr11	+	286.8	2022812	chr11:20227703-20229441	63.75	7.89	0.89	58.41	20.44	0.74	61.6	17.78	0.78	46.48	0	1	31.98	0	1	45.04	0	1	0.83333333	-0.19666667	0.001092251	0.00094223	0.00094223		
ENSMST0000016744.9	Usp1	chr12	+	391.4	11300007	chr12:11300007-11300520	58.13	13.07	0.81	13.07	77.85	0.84	13.07	77.85	0.84	13.07	77.85	0.84	13.07	77.85	0.84	13.07	77.85	0.84	0.91	0.85333333	0.85333333	-0.19666667	0.00102504	0.00102504	
ENSMST0000033214.5	Lhpp	chr7	+	110.4	13207953	chr7:13207592-13207620	28.24	21.4	0.88	0.89	36.1	2.54	0.93	4.26	0.91	31.28	0	1	34.51	0	1	34.51	0	1	0.78	-0.19666667	0.00204752	0.0068485	0.0068485		
ENSMST0000020894.4	Gms1	chr2	+	227.9	15091126	chr2:15090934-15091326	41.47	26.81	0.66	53.67	21.65	0.27	20.37	23.62	0.72	51.72	21.66	0.88	178.31	0.88	15.1	0.85	72.62	0	1	0.7	-0.19666667	0.00227173	0.00750233	0.00750233	
ENSMST0000010273.3	Usp1	chr12	+	448	10191768	chr12:10191638-10191768	25.43	60.02	0.83	72.4	15.24	0.83	60.02	15.24	0.83	60.02	15.24	0.83	60.02	15.24	0.83	60.02	15.24	0.83	0.48	0.86666667	0.86666667	-0.19666667	0.00202774	0.00202774	
ENSMST0000017565.7	Nand	chr8	+	536.6	11513141	chr8:11512895-11513287	25.43	92.86	0.74	19.18	0.56	24.76	60.7	10.62	0.84	79.08	0	1	112.37	0.21	1.02	0.85	0.85333333	0.85333333	-0.19666667	0.002480516	0.00799834	0.00799834			
ENSMST00000089785.8	Chrac1	chr15	+	618.2	7309385	chr15:73093524-73094075	22.92	36.09	0.39	28.73	19.64	0.59	48.28	0	1	62.62	0.83	0.88	127.23	0.58	0.93	0.72	72.69	22.55	0.76	0.68	-0.19666667	0.00244889	0.00091477	0.00091477	
ENSMST0000015512.9	Pr3	chr12	+	392.4	8219623	chr12:8219612-82199138	31.2	0.23	0.88	26.23	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	0.85	0.33333333	0.33333333	-0.19666667	0.00389181	0.00389181	
ENSMST0000015049.4	Drap9	chr12	+	1015.6	44207198	chr12:44206554-44207405	22.92	18.19	0.67	27.7	11.64	0.7	47.29	0	1	62.62	0.83	0.88	127.23	0.58	0.93	0.72	72.69	22.55	0.76	0.68	-0.19666667	0.00244889	0.00091477	0.00091477	
ENSMST0000007214.2	Pcd11	chr19	+	353.6	4713040	chr19:47130393-47131143	74.78	98.22	0.43	79.34	82.05	0.47	73.26	82.05	0.47	73.26	82.05	0.47	73.26	82.05	0.47	73.26	82.05	0.47	0.86	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST0000002099.7	Gen1434	chr2	+	391.4	17647533	chr2:17647533-17647855	31.17	46.3	0.44	41.89	45.65	0.48	40.29	45.65	0.48	40.29	45.65	0.48	40.29	45.65	0.48	40.29	45.65	0.48	0.51	0.29	0.19666667	0.002252493	0.00502386	0.00502386	
ENSMST0000010806.9	Ubp1	chr4	+	432.4	4138899	chr4:41388891-41389768	32.39	39.2	0.54	37.27	46.1	0.36	37.01	46.1	0.36	37.01	46.1	0.36	37.01	46.1	0.36	37.01	46.1	0.36	0.56	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST00000124036.7	Tmem209	chr2	+	201.8	13286190	chr2:13285987-13286441	21.03	61.85	0.25	19.88	48.54	0.29	24.69	48.54	0.29	24.69	48.54	0.29	24.69	48.54	0.29	24.69	48.54	0.29	0.48	0.49333333	-0.19666667	0.01522422	0.03929895	0.03929895	
ENSMST0000015793.9	Tmem209	chr2	+	339.2	13040240	chr2:13040126-13040285	36.17	46.3	0.44	41.89	45.65	0.48	40.29	45.65	0.48	40.29	45.65	0.48	40.29	45.65	0.48	40.29	45.65	0.48	0.51	0.29	0.19666667	0.002252493	0.00502386	0.00502386	
ENSMST00000102814.4	Rps6	chr4	+	3082483.7	86854754	chr4:86854680-86854955	4204.67	1409.17	0.7	4114.32	3804.87	0.67	3335.57	573.63	0.45	84.29	0	1	3831.83	565.37	0.87	2.196	34.32	0.48	0.29666667	0.49333333	-0.19666667	0.01522422	0.03929895		
ENSMST0000010892.1	Gabap	chr11	+	80931.3	6994805	chr11:69948459-69949440	117.31	41.81	0.81	167.64	54.18	0.76	181.93	45.47	0.8	122073.3	0	1	202.51	0	1	202.58	0	1	0.86666667	-0.19666667	0.00333333	8.4E-13	1.7E-11		
ENSMST00000090987.7	Lamb1	chr5	+	589.2	13829295	chr5:13829294-13829395	100.77	21.7	0.78	98.48	17.29	0.84	25.14	17.29	0.84	25.14	17.29	0.84	25.14	17.29	0.84	25.14	17.29	0.84	0.56	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST0000018887.4	Myh10	chr11	+	86182.14	8881528	chr11:88814927-88819612	145.06	21.24	0.83	142.18	54.08	0.78	149.19	54.08	0.78	149.19	54.08	0.78	149.19	54.08	0.78	149.19	54.08	0.78	0.99	0.79	0.86666667	0.86666667	-0.19666667	0.00049967	0.00187619
ENSMST00000069330.4	Myh3	chr11	+	18192.9	5977040	chr11:59775896-59776223	153.12	65.07	0.77	132.65	68.23	0.67	183.08	68.23	0.67	183.08	68.23	0.67	183.08	68.23	0.67	183.08	68.23	0.67	0.86	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST00000057500.5	Hnf1b	chr9	+	12542.8	18471409	chr9:184711657-18471692	190.5	75.16	0.71	177.69	105.12	0.62	186.88	105.12	0.62	186.88	105.12	0.62	186.88	105.12	0.62	186.88	105.12	0.62	0.86	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST00000172107.7	Sr1p	chr15	+	6644.9	81386707	chr15:81386691-81385778	181.16	41.86	0.3	170.14	40.77	0.3	175.96	40.77	0.3	175.96	40.77	0.3	175.96	40.77	0.3	175.96	40.77	0.3	0.49	0.29	0.19666667	0.002252493	0.00502386	0.00502386	
ENSMST00000100375.0	Podp3	chr15	+	303.6	81372653	chr15:81372653-81372655	113.06	31.8	0.78	126.97	22.35	0.85	123.99	22.35	0.85	123.99	22.35	0.85	123.99	22.35	0.85	123.99	22.35	0.85	0.86	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST0000013313.8	Pr3	chr12	+	391.4	17647533	chr12:17647533-17647855	31.2	0.23	0.88	26.23	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	0.85	0.33333333	0.33333333	-0.19666667	0.00389181	0.00389181	
ENSMST00000352220.11	Prkar2a	chr9	+	14277.4	10874760	chr9:10874861-10875038	49.55	51.05	0.73	47.56	12.29	0.79	199.34	0	1	200.62	0	1	193.38	0	1	193.38	0	1	0.86666667	0.86666667	-0.19666667	0.002478	0.002478		
ENSMST0000035236.10	Mcm3	chr3	+	657.9	2880453	chr3:28802698-28803564	375.51	156.17	0.17	362.16	186.4	0.65	372.73	137.2	0.74	141.9	43.32	0.77	182.84	0	1	195.15	16.86	0.9	0.86666667	0.86666667	-0.19666667	0.002478	0.002478		
ENSMST0000034964.9	Pr3	chr12	+	391.4	17647533	chr12:17647533-17647855	31.2	0.23	0.88	26.23	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	0.85	0.33333333	0.33333333	-0.19666667	0.00389181	0.00389181	
ENSMST00000142739.7	Nik	chr11	+	2785.9	7858874	chr11:78587168-78588975	59.59	57.02	0.88	57.02	19.44	0.75	57.2	19.44	0.75	57.2	19.44	0.75	57.2	19.44	0.75	57.2	19.44	0.75	0.81	0.86666667	0.86666667	-0.19666667	0.002478	0.002478	
ENSMST00000202653.5	Sarb1	chr11	+	4488.3	51971200	chr11:511791327-511791925	104.29	63.83	0.62	111.26	65.43	0.61	122.83	65.43	0.61	122.83	65.43	0.61	122.83	65.43	0.61	122.83	65.43	0.61	0.82	-0.19666667	0.00049967	0.00187619	0.00187619		
ENSMST0000017094.9	Pr3	chr12	+	391.4	17647533	chr12:17647533-17647855	31.2	0.23	0.88	26.23	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	17.16	15.26	0.26	0.85	0.33333333	0.33333333	-0.19666667	0.00389181	0.00389181	

ENSMU00000041683.8	Uhp22	chr11	-	25245.3	61154312	chr11:61151785-61154513	137.63	39.09	0.78	139.39	32.54	0.81	147.15	29.47	0.83	581.63	19.12	0.97	186.3	0	1	549.34	0	1	0.806696667	0.99	-0.183333333	3.97E-14	9.56E-13
ENSMU00000071520.3	Ck	chr11	-	3907	79704018	chr11:79703386-79709005	20.3	39.72	0.83	197.02	66.88	0.75	200.76	30.74	0.87	201.9	0	1	107.34	0	1	199.2	0	1	0.816696667	0	-0.183333333	1.04E-11	1.68E-10
ENSMU0000017530.8	Trd4	chr11	-	8786	17916347	chr11:17916040-17916348	17.9	37.21	0.82	174.28	44.78	0.79	173.89	40.28	0.8	174.28	0	1	114.07	0	1	214.67	0	1	0.833333333	0.866666667	0.833333333	4.05E-11	1.06E-10
ENSMU0000010439.1	Mp38	chr11	-	13112	16119105	chr11:16118181-16118130	17.9	43.78	0.78	156.96	44.78	0.78	176.71	31.01	0.87	171.79	2.07	0.98	175.14	0	1	136.42	2.72	0.98	0.803333333	0.866666667	-0.183333333	3.76E-09	4.23E-08
ENSMU000000081387.0	Brcd	chr11	-	12094.8	117855834	chr11:117855221-11785732	276.05	307.48	0.42	258.68	398.38	0.49	296.4	344.92	0.48	126.76	106.55	0.54	296.58	113.98	0.72	149.8	119.84	0.56	0.423333333	0.866666667	-0.183333333	4.97E-09	5.45E-08
ENSMU00000034923.7	Trd3	chr11	-	4438	6400896	chr11:64008408-6400928	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	0.833333333	0.866666667	0.833333333	1.37E-08	1.49E-08
ENSMU00000008062.7	Vim	chr2	-	11570.6	11585263	chr2:115852473-11582826	107.18	146.48	0.42	118.24	101.16	0.54	124.55	100.25	0.55	87.93	67.04	0.57	166.15	292.57	0.58	100.83	567.44	0.64	0.803333333	0.866666667	-0.183333333	4.97E-09	9.31E-08
ENSMU00000019875.1	Vim	chr2	-	11570.6	11582623	chr2:11582623-11582826	107.18	146.48	0.42	118.24	101.16	0.54	124.55	100.25	0.55	87.93	67.04	0.57	166.15	292.57	0.58	100.83	567.44	0.64	0.803333333	0.866666667	-0.183333333	8.80E-09	9.31E-08
ENSMU00000049355.7	Mob4	chr1	-	3028	6891306	chr1:6891281-6891306	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	154.26	156.86	0.8	0.833333333	0.866666667	0.833333333	1.37E-08	1.49E-08
ENSMU00000010871.9	Neur4	chr11	-	721.6	6991340	chr11:6991127-6991351	73.67	2.92	0.96	74.39	20.15	0.74	71.89	22.27	0.76	147.9	0	1	155.14	0	1	155.14	0	1	0.816696667	0.1	-0.183333333	2.74E-08	2.62E-07
ENSMU00000044106.5	Pnmf7	chr8	-	247.18	10790844	chr8:10790831-10798119	104.58	248.25	0.3	114.66	208.71	0.35	125.02	196.22	0.39	145.43	184.64	0.44	343.62	172.73	0.67	169.81	181.33	0.48	0.346696667	0.93	-0.183333333	3.00E-08	2.86E-07
ENSMU00000049480.8	Neur4	chr11	-	721.6	6991340	chr11:6991127-6991351	73.67	2.92	0.96	74.39	20.15	0.74	71.89	22.27	0.76	147.9	0	1	155.14	0	1	155.14	0	1	0.816696667	0.1	-0.183333333	2.74E-08	2.62E-07
ENSMU00000019028.8	181002605Rsk	chr7	-	1186.6	7354116	chr7:73544037-73541432	34.17	16.44	0.68	58.39	0	1	37.42	11.26	0.75	96	1.47	0.88	214.02	0.67	0.81	130.63	0	1	0.816696667	0.93	-0.183333333	3.60E-06	2.26E-05
ENSMU000000105513.9	Nash	chr4	-	712.8	155898629	chr4:155898328-155891001	77.72	17.72	0.82	81.66	30.73	0.73	83.17	8.89	0.9	80.26	0	1	54.57	0	1	74.79	0	1	0.816696667	0.1	-0.183333333	2.53E-05	0.00133088
ENSMU00000037181.6	Trd3	chr11	-	741.7	6490346	chr11:6490329-6490346	168.86	168.86	0.8	168.86	168.86	0.8	168.86	168.86	0.8	168.86	168.86	0.8	168.86	168.86	0.8	168.86	168.86	0.8	0.833333333	0.866666667	0.833333333	0.00176703	0.00254605
ENSMU00000025218.7	Etf3	chr18	-	13478.7	14903899	chr18:14903785-14905007	195.93	303.4	0.39	180.27	300.73	0.43	193.37	80.09	0.47	24.82	72.21	0.57	104.82	73.01	0.54	103.82	67.74	0.61	0.816696667	0.1	-0.183333333	5.97E-05	0.000211995
ENSMU000000180369.1	Rip14	chr14	-	516.5	8090310	chr14:8090278-8090554	73.63	33.06	0.69	86.17	4.45	0.95	89	18.92	0.81	59.58	0	1	68.66	0	1	55.06	0	1	0.816696667	0.1	-0.183333333	0.00011113	0.000597139
ENSMU00000003884.8	Trm2	chr2	-	4600.2	8467168	chr2:8467117-84672332	116.22	122.2	0.44	100.26	28.7	0.53	128.74	24.57	0.58	99.16	24.69	0.57	175.35	129.99	0.57	120.85	229.9	0.82	0.403333333	0.866666667	-0.183333333	0.00036602	0.01476453
ENSMU0000002458.10	Bap1	chr14	-	2005.8	31258907	chr14:31258706-31259944	62.63	42.59	0.67	86.18	49.35	0.66	98.4	51.61	0.66	155.83	69.65	0.69	175.45	0	1	175.6	31.81	0.85	0.833333333	0.866666667	0.833333333	0.000287382	0.001182929
ENSMU00000006978.4	Phf2a	chr19	-	327.3	42119996	chr19:42119793-42122218	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	0.816696667	0.1	-0.183333333	0.00059077	0.001442808
ENSMU000000030375.8	Phf2a	chr19	-	327.3	42119996	chr19:42119793-42122218	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	0.816696667	0.1	-0.183333333	0.00059077	0.001442808
ENSMU00000025408.8	Alg32	chr18	-	812.1	67402829	chr18:67402746-67405514	103.83	63.28	0.66	93.58	3.54	0.63	104.11	20.11	0.66	64.51	0	1	68.66	0	1	68.66	0	1	0.816696667	0.1	-0.183333333	0.00050542	0.001971489
ENSMU00000007189.19	Nudt1	chr5	-	222.7	140337863	chr5:140337583-140338137	42.18	7.78	0.94	38.91	2.09	0.92	43.06	22.87	0.81	53.88	17.74	0.75	136.34	0	1	75.94	0	1	0.733333333	0.986696667	-0.183333333	0.00054274	0.002101898
ENSMU00000003684.8	Trm2	chr2	-	4600.2	8467168	chr2:8467117-84672332	116.22	122.2	0.44	100.26	28.7	0.53	128.74	24.57	0.58	99.16	24.69	0.57	175.35	129.99	0.57	120.85	229.9	0.82	0.403333333	0.866666667	-0.183333333	0.00036602	0.01476453
ENSMU00000012439.8	Cops7a	chr6	-	452.8	124588514	chr6:124588413-124589712	29.18	44.6	0.4	29.2	13.09	0.42	36.28	20.63	0.76	53.47	31.94	0.63	142.49	2.29	0.98	42.88	39.01	0.52	0.733333333	0.986696667	-0.183333333	0.00054274	0.002101898
ENSMU00000025739.5	Uhr2	chr19	-	444.3	30392921	chr19:3039278-3039372	68.73	20.09	0.77	66.54	27.66	0.61	65.15	26.9	0.97	102.44	15.31	0.87	84.76	0	1	100.56	15.43	0.67	0.913333333	0.866696667	-0.183333333	0.0023442	0.00746891
ENSMU00000044068.13	Jarid2	chr13	-	1693.1	14920952	chr13:14919800-14920955	128.15	31.84	0.9	107.01	69.52	0.83	115.67	63.83	0.83	117.92	63.87	0.72	152.97	63.87	0.72	152.97	63.87	0.72	0.676696667	0.1	-0.183333333	0.00495435	0.014691792
ENSMU00000017030.12	Tctd10	chr7	-	555.9	127199011	chr7:127197458-127199212	40.08	26.08	0.61	41.87	21.62	0.66	41.87	21.62	0.66	41.87	21.62	0.66	41.87	21.62	0.66	41.87	21.62	0.66	0.713333333	0.866696667	-0.183333333	0.007984289	0.02368789
ENSMU00000018680.17	Rif19b	chr4	-	501.6	12908395	chr4:12908378-12908426	51.3	21.5	0.61	56.18	19.81	0.63	56.67	8.68	0.61	76.91	32.98	0.78	86.91	0	1	85.2	12.17	0.8	0.803333333	0.866696667	-0.183333333	0.015361796	0.03963339
ENSMU00000039071.1	Rif19b	chr4	-	501.6	12908395	chr4:12908378-12908426	51.3	21.5	0.61	56.18	19.81	0.63	56.67	8.68	0.61	76.91	32.98	0.78	86.91	0	1	85.2	12.17	0.8	0.803333333	0.866696667	-0.183333333	0.015361796	0.03963339
ENSMU00000024816.12	Cmr1	chr17	-	589.6	29702488	chr17:29702348-29703339	69.69	65.09	0.69	69.69	65.09	0.69	69.69	65.09	0.69	69.69	65.09	0.69	69.69	65.09	0.69	69.69	65.09	0.69	0.833333333	0.866696667	-0.183333333	0.018130506	0.045638877
ENSMU00000008027.12	Pnm1b	chr17	-	594	8501387	chr17:8501356-8501476	47.38	23.79	0.62	52.24	24.81	0.68	52.24	24.81	0.68	52.24	24.81	0.68	52.24	24.81	0.68	52.24	24.81	0.68	0.866696667	0.1	-0.183333333	0.01628802	0.045629929
ENSMU00000019291.3	Pnm1b	chr17	-	594	8501387	chr17:8501356-8501476	47.38	23.79	0.62	52.24	24.81	0.68	52.24	24.81	0.68	52.24	24.81	0.68	52.24	24.81	0.68	52.24	24.81	0.68	0.866696667	0.1	-0.183333333	0.01628802	0.045629929
ENSMU00000025396.5	Rif138	chr18	-	796.3	10217433	chr18:10216086-1028223	20	43.35	0.29	19.67	46.3	0.3	16.04	48.9	0.28	31.79	29.85	0.27	29.85	29.85	0.27	29.85	29.85	0.27	0.423333333	0.866696667	-0.183333333	0.040713796	0.000303908
ENSMU00000006784.9	Ywhae	chr11	-	169267.5	76765026	chr11:7676420-76765845	134.06	898.08	0.62	123.27	963.25	0.56	142.28	921.07	0.59	172.46	811.33	0.69	274.67	297.21	0.9	194.03	773.24	0.72	0.59	0.77	-0.18	1.01E-44	1.86E-42
ENSMU000000030375.8	Phf2a	chr19	-	327.3	42119996	chr19:42119793-42122218	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	40.84	64.38	0.51	0.816696667	0.1	-0.183333333	0.00059077	0.001442808
ENSMU00000000202.7	Anapc5	chr5	-	3820	12278784	chr5:12278772-12278801	193.54	73.57	0.72	186.21	67.8	0.74	176.54	36.97															

ENSMUST00000170002.7	Papita	chr12	+ 1850.3	10898668	chr12:105886765-106837273	227.97	79.29	0.74	270.6	61.75	0.81	238.98	118.37	0.67	95.28	10.87	0.9	104.92	0	1	65.53	13.44	0.83	0.74	0.91	-0.17	0.000130829	0.000870446	
ENSMUST00000170004.6	Gna1	chr5	- 810.6	12098116	chr5:18265135-18267209	36.29	79.4	0.82	39.5	6.42	0.87	39.96	9.32	0.8	99.42	0	1	60.83	0	1	62.99	0	1	0.83	-0.17	0.000405398	0.00117416		
ENSMUST00000144268.7	Rpl22	chr12	+ 760.2	11680276	chr12:11680276-11680276	86.29	78.2	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.002071007	0.002071007		
ENSMUST00000300022.2	Syz	chr4	+ 1149.4	13493704	chr4:13493840-134937548	86.29	79.4	0.82	89.5	6.42	0.87	39.96	9.32	0.8	99.42	0	1	60.83	0	1	62.99	0	1	0.83	-0.17	0.000956899	0.00265588		
ENSMUST0000010198.4	Tusc2	chr7	+ 659	107605238	chr7:107654847-107658112	39.64	12.49	0.71	35.49	12.64	0.74	42.48	18.96	0.83	109.72	9.96	0.92	105.54	2.07	0.98	117.13	8.02	0.84	0.74	0.91	-0.17	0.000340849	0.01103715	
ENSMUST00000090878.1	Rpl21	chr12	+ 440.2	11910278	chr12:11910278-11910278	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.012813333	0.012813333		
ENSMUST00000164828.7	Pex2	chr3	+ 1627.8	15666633	chr3:15660188-15661784	39.64	12.49	0.71	35.49	12.64	0.74	42.48	18.96	0.83	109.72	9.96	0.92	105.54	2.07	0.98	117.13	8.02	0.84	0.74	0.91	-0.17	0.000412494	0.02823923	
ENSMUST00000168485.8	Pdp3p	chr10	+ 2208.2	76762060	chr10:16781858-16762036	37.68	15.08	0.71	37.07	9.63	0.77	33.96	16.39	0.67	92.36	6.01	0.94	91.24	0	1	74.16	25.9	0.74	0.74	0.91	-0.17	0.01699543	0.0431102	
ENSMUST00000308111.7	Rpl23	chr12	+ 1162.2	11816413	chr12:11816413-11816413	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.018503333	0.018503333		
ENSMUST00000175614.3	Fbw1b	chr2	+ 877.6	11742074	chr2:11742751-11743033	17.58	18.05	0.71	18.07	3.25	0.77	20.12	5.52	0.63	63.99	54.55	0.94	109.66	33.17	0.77	72.33	53.01	0.58	0.4	0.8	-0.17	0.005585852	0.00688200	
ENSMUST00000120864.9	Bcat2	chr7	+ 113.5	45589531	chr7:45589531-45589710	24.22	18.62	0.57	20.73	22.56	0.48	20.58	20.43	0.3	25.81	13.3	0.66	70.14	17.43	0.48	27.58	13.53	0.67	0.74	0.91	-0.17	0.03451431	0.07848306	
ENSMUST00000121711.7	Rpl24	chr12	+ 532	11908269	chr12:11908269-11908269	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.01709006	0.01709006		
ENSMUST00000182129.1	Bicay1	chr15	+ 655.6	76645804	chr15:76643395-76646574	14.22	14.62	0.25	16.66	7.37	0.27	16.66	7.37	0.27	58.07	52.63	0.57	32.84	55.87	0.37	52.17	53.77	0.49	0.25	0.8	-0.17	0.03823567	0.087174926	
ENSMUST00000199406.4	Anapc5	chr5	+ 6081.4	122717809	chr5:12277877-122789018	203.16	64.99	0.74	198.48	60.24	0.8	220.86	32.37	0.87	643.87	0	1	1148.3	0	1	700.71	55.04	0.83	0.81	0.91	-0.17	0.076666667	0.166666667	
ENSMUST0000015561.3	Rpl25	chr12	+ 4208.9	13030321	chr12:13030321-13030321	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.044666667	0.044666667		
ENSMUST0000024823.12	Glo1	chr17	+ 9038.3	30593854	chr17:30592866-30594226	258.8	90.4	0.74	258.62	63.24	0.8	287.69	24.53	0.9	245.1	7.39	0.97	232.5	1.82	0.99	0.2	1.82	0.99	0.8	0.8	-0.17	0.026666667	0.026666667	
ENSMUST0000020181.8	Ykb	chr11	+ 29024.8	9962110	chr11:15969039-15967780	160.28	36.29	0.82	167.24	39.62	0.81	185.16	47.08	0.79	435.45	27.72	0.94	406.8	4.6	0.97	0.81	12.41	0.97	0.81	0.81	-0.17	0.066666667	0.066666667	
ENSMUST0000015542.7	Ane1	chr8	+ 12030.9	7875314	chr8:7875169-7875521	46.75	8	0.204	46.75	8	0.204	46.75	8	0.204	46.75	8	0.204	46.75	8	0.204	46.75	8	0.204	46.75	8	0.204	-0.17	0.026666667	0.026666667
ENSMUST00000105861.7	Srm1	chr4	+ 137382.4	13962110	chr4:135320484-135321454	311.15	50.29	0.82	366.28	51.51	0.71	366.49	29.03	0.78	47.05	7.9	0.97	238.38	0	1	448.41	12.41	0.97	0.81	0.91	-0.17	0.066666667	0.066666667	
ENSMUST0000018940.7	Melp2	chr10	+ 6637	93881247	chr10:93880928-93881602	430.24	21.72	0.66	398.9	25.0	0.6	404.68	26.8	0.61	236.15	11.0	0.73	399.21	58.29	0.67	298.18	89.21	0.77	0.82	0.82	-0.17	0.023333333	0.023333333	
ENSMUST00000106982.0	Mtp1a	chr17	+ 2285	48137025	chr17:47128595-48128910	98.12	48.82	0.67	93.26	48.82	0.67	93.26	48.82	0.67	163.81	50.42	0.76	133.86	19.15	0.4	188.27	44.03	0.81	0.81	0.81	-0.17	0.066666667	0.066666667	
ENSMUST0000030084.15	Xbp1	chr11	+ 1506	5252442	chr11:52524885-5252893	117.01	21.72	0.66	109.81	119.91	0.83	128.66	31.8	0.8	146.74	0.93	0.4	106.52	0	1	228.18	89.21	0.77	0.82	0.82	-0.17	0.023333333	0.023333333	
ENSMUST0000030080.1	Ucl1	chr1	+ 2189.8	17128744	chr1:17128853-17128971	98.63	32.53	0.72	79.05	60.25	0.63	89.25	44.51	0.69	251.95	92.24	0.73	578.94	48.6	0.92	308.15	81.44	0.79	0.79	0.79	-0.17	0.066666667	0.066666667	
ENSMUST0000030093.13	Nask	chr4	+ 713	15558969	chr4:15558928-15559097	74.7	20.88	0.77	70.3	0.53	0.93	69.25	44.51	0.69	251.95	92.24	0.73	578.94	48.6	0.92	308.15	81.44	0.79	0.79	0.79	-0.17	0.066666667	0.066666667	
ENSMUST0000020268.15	Dd4	chr5	+ 1857.4	8937306	chr5:8936927-8938162	164.92	58.43	0.73	160.01	47.78	0.77	193.37	20.29	0.91	71.65	55.99	0.92	67.49	0	1	79.15	40.94	0.99	0.8	0.8	-0.17	0.066666667	0.066666667	
ENSMUST00000193266.5	Nfat5	chr5	+ 1657.8	15147397	chr5:15147300-15147650	33.87	21.86	0.14	29.08	224.05	0.14	29.08	219.89	0.14	27.81	21.7	0.17	48.24	0.31	0.21	32.72	78.97	0.33	0.33	0.33	-0.17	0.026666667	0.026666667	
ENSMUST00000501671.0	Mkm1	chr6	+ 847.4	38401209	chr6:38400760-38401424	37.02	11.68	0.18	38.86	16.98	0.19	31.83	17.23	0.25	0.91	11.5	0.25	23.75	0.2	0.77	74.04	0.51	0.73	0.73	0.73	-0.17	0.017333333	0.017333333	
ENSMUST00000118266.7	Chn1	chr3	+ 248	32577266	chr3:32577063-32577353	43.34	10.08	0.81	42.86	7.83	0.85	39.73	10.75	0.89	107.15	7.53	0.83	98.56	0	1	116.11	10.63	0.92	0.92	0.92	-0.17	0.066666667	0.066666667	
ENSMUST00000254444.9	Bmi1	chr1	+ 1422	10025444	chr1:10025429-10025449	84.34	11.08	0.69	84.34	11.08	0.69	84.34	11.08	0.69	84.34	11.08	0.69	84.34	11.08	0.69	84.34	11.08	0.69	84.34	11.08	0.69	-0.17	0.026666667	0.026666667
ENSMUST00000207731.3	Sept1a	chr2	+ 1104	4900456	chr2:4900561-4910557	8.4	0.7	0.15	0.07	7.8	0.15	0.07	7.8	0.15	0.07	15.3	0.24	0.24	1.42	46.78	0.21	15.49	48.38	0.24	0.24	-0.17	0.066666667	0.066666667	
ENSMUST00000105362.7	Dazap1	chr10	+ 2819.2	6028096	chr10:60287359-60288468	36.5	13.24	0.22	36.38	11.31	0.23	36.38	11.31	0.23	56.4	9.28	0.38	64.33	73.52	0.47	49.21	95.01	0.34	0.23	0.23	-0.17	0.066666667	0.066666667	
ENSMUST00000185152.2	Rpl26	chr12	+ 1426.0	116319409	chr12:116319409-116319411	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.015162671	0.015162671		
ENSMUST0000010148.0	Pu3p3	chr10	+ 2205.6	76762045	chr10:107678157-107672526	38.16	16.24	0.77	32.89	17.49	0.83	36.85	8.91	0.81	89.23	0.57	0.99	71.33	28.85	0.77	49.23	33.33	0.85	0.85	0.85	-0.17	0.066666667	0.066666667	
ENSMUST00000102049.5	Taf9	chr10	+ 199.1	16723113	chr10:16723113-16723113	57.32	15.63	0.77	48.13	17.16	0.74	52.27	18.97	0.69	38.07	7.7	0.83	53.7	7.78	0.87	53.08	0	1	0.74	0.91	-0.17	0.033333333	0.033333333	
ENSMUST00000104599.2	Gm4632	chr13	+ 741.6	76405792	chr13:74040495-74060117	63.27	10.87	0.65	64.22	37.47	0.59	66.08	36.08	0.57	91.22	30.88	0.37	91.22	30.88	0.37	91.22	30.88	0.37	91.22	30.88	0.37	-0.17	0.066666667	0.066666667
ENSMUST00000222524.5	Rhd	chr15	+ 376.5	34848195	chr15:34848021-34848335	37.31	30.83	0.56	34.16	30.83	0.56	34.16	30.83	0.56	34.16	30.83	0.56	34.16	30.83	0.56	34.16	30.83	0.56	34.16	30.83	0.56	-0.17	0.066666667	0.066666667
ENSMUST0000006983.12	Atp10b	chr10	+ 1203.9	11871398	chr10:11871398-11871398	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.026666667	0.026666667		
ENSMUST00000201594.5	Anapc5	chr5	+ 5948.4	12278781	chr5:12277877-122789018	207.73	60.75	0.77	200.67	48.14	0.83	222.83	30.59	0.88	655.75	117.43	0.43	619.2	6.91	0.89	40.45	23.87	0.83	0.83	0.83	-0.17	0.066666667	0.066666667	
ENSMUST00000138021.9	Rpl27	chr12	+ 4363.9	11927574	chr12:11927574-11927574	86.29	79.4	0.82	86.29	86.29	0.82	86.29	86.29	0.82	86.29	0	1	107.83	0	1	107.83	0	1	0.83	-0.17	0.019666667	0.019666667		
ENSMUST0000070850.6	Ppp114b	chr19	+ 4987.4	8977195	chr19:8976982-8977324	524.2																							

ENSMU0000004508.12	Trmed4	chr11	-	7938.1	6270770	chr11:6270969-6271800	42.72	85.09	0.33	53.22	77.43	0.41	42.92	82.61	0.34	117.63	151.73	0.44	162.1	112.45	0.59	142.91	131	0.52	0.36	0.616666667	-0.156666667	0.004993733	0.014072158		
ENSMU0000003096.13	Gpnr2	chr4	-	333	133591620	chr4:13359136-13359173	38.07	22.73	0.63	4.87	0.92	4.77	12.08	0.8	61.56	0	1	84.31	6.08	0.93	48.04	6.11	0.89	0.733333333	0.94	-0.156666667	0.00209772	0.02533096			
ENSMU0000002147.12	Wfz2	chr16	-	4826217	64262024	chr16:6426202-6426216	84.94	81.61	0.14	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73	34.84	0.73
ENSMU00000025568.2	Tmen13r	chr19	-	587.4	10570971	chr19:10570974-10571288	24.95	9.46	0.82	23.83	1.47	25.5	8.03	0.76	50.26	0	1	61.31	0	1	47.57	0	1	0.843333333	0.1	-0.156666667	0.015668416	0.04208314			
ENSMU0000004009.8	Colect2	chr18	-	741.1	8877615	chr18:8877618-8877995	82.51	34.84	0.7	74.87	0.46	65.22	62.22	53.49	0.55	52.7	14.07	0.79	53.16	16.4	0.76	52.75	13.92	0.79	0.623333333	0.78	-0.156666667	0.031192524	0.072038413		
ENSMU0000004099.4	Stm2	chr14	-	1538301	1538301	chr14:1538301-1538343	45.31	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01	45.31	0.01
ENSMU00000030042.12	Mp2D0	chr4	-	21542.5	15580868	chr4:15580847-155808831	42.748	14.14	0.71	444.95	16.16	434.11	53.49	0.8	464.48	106.57	0.81	101.789	0	1	575.99	49.92	0.79	0.756666667	0.81	-0.156666667	0.01192524	0.072038413			
ENSMU00000024032.11	Alp6V0s	chr17	-	16386.2	24184140	chr17:24184140-24184008	391.54	24.73	0.75	377.84	14.04	382.14	10.5	0.73	1220.01	273.2	0.82	1742.99	0	1	1279.89	245.54	0.84	0.733333333	0.846666667	-0.153333333	4.48E-17	1.50E-15			
ENSMU00000029853.2	Gen1	chr16	-	1038963.2	1038963.2	chr16:1038963.2-1038963.2	377.84	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02	377.84	0.02
ENSMU0000002147.12	Tmst1	chr12	-	32410.9	70468719	chr12:70468719-70468400	129.1	24.73	0.84	129.85	14.5	78.134	38.8	0.74	134.38	106	0.9	1	333.39	0	1	329.02	0	1	0.846666667	0.81	-0.153333333	6.51E-13	1.33E-11		
ENSMU00000040275.8	CapzB	chr4	-	24496.7	19291241	chr4:19291203-19291783	263.57	200.45	0.59	290.04	20.07	0.59	293.5	170.85	0.83	226.33	22.77	0.71	865.72	155.57	0.85	591.81	240.81	0.71	0.633333333	0.766666667	-0.153333333	8.05E-10	9.93E-09		
ENSMU00000012007.17	Hct1	chr19	-	2937.7	4826217	chr19:4826217-4826217	82.51	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01
ENSMU00000021306.13	EHu2d	chr11	-	7905.6	10283852	chr11:10283847-10283886	279.46	60.54	0.82	240.73	90.72	252.01	61.39	0.88	299.39	88.88	0.86	425.52	0	1	299.6	17.55	0.94	0.78	0.833333333	0.78	-0.153333333	1.32E-09	1.56E-08		
ENSMU00000020549.9	Mp2D8	chr17	-	21.495	2612617	chr17:2612617-2612613	131.96	157.08	0.74	161.77	66.45	101.7	169.84	49.6	0.77	583.95	1.22	1	175.57	60.07	0.77	0.846666667	0.84	-0.153333333	1.66E-09	1.96E-08					
ENSMU00000020492.9	Wfz2	chr19	-	4295.7	10326927	chr19:10326927-10326911	82.51	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01	82.51	0.01
ENSMU00000025893.5	Ar2	chr19	-	2700.1	6134600	chr19:6134383-6134801	42.15	51.77	0.89	44.18	0.76	50.4	64.46	0.89	14.15	0	1	393.25	0	1	181.5	0	1	0.846666667	0.84	-0.153333333	7.66E-07	5.56E-06			
ENSMU00000027091.10	Mm6	chr1	-	4417.5	12831782	chr1:12831590-12832051	163.32	23.8	0.46	175.58	22.82	0.44	190.96	96.29	0.47	133.69	119.36	0.53	301.81	84.79	0.76	140.66	117.57	0.54	0.466666667	0.81	-0.153333333	3.92E-05	2.45E-05		
ENSMU00000016111.17	Ed2c	chr1	-	3466.8	15487169	chr1:15487169-15487215	47.4	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01	47.4	0.01
ENSMU000000304015.10	Mm0	chr8	-	4636.6	64718849	chr8:64718849-64719181	127.15	51.97	0.77	138.74	74.4	146.46	50.59	0.9	54.16	0.8	251.62	0	1	202.74	39.95	0.84	0.726666667	0.88	-0.153333333	3.87E-05	0.000243063				
ENSMU00000018143.15	Dn2d2	chr2	-	82	16704980	chr2:16704980-16703497	121.84	22.98	0.84	102.5	39.99	0.72	128	23.68	0.84	79.85	12.02	0.86	132.83	0	1	105.57	0	1	0.953333333	0.78	-0.153333333	0.00107591	0.00404921		
ENSMU00000019948.6	Trp12	chr1	-	391.9	8472448	chr1:84724294-84724814	95.84	193.18	0.34	102.85	193.31	0.36	123.02	149.27	0.41	182.57	40.05	0.82	62.48	137.42	0.38	0.733333333	0.936666667	0.153333333	0.00122026	0.004349722					
ENSMU0000006314.9	Asna1	chr8	-	589	85018041	chr8:85017931-85018255	108.02	10.28	0.38	139.56	0.97	101.16	127.34	0.37	121.55	94.03	0.56	178.92	115.69	0.81	120.57	112.97	0.45	0.466666667	0.56	-0.153333333	0.00050389	0.00194188			
ENSMU00000020504.6	Rab1b	chr19	-	2248.4	5100192	chr19:5099207-5100712	114.03	50	0.7	116.61	62.8	0.65	114.02	54.52	0.68	168.48	43.7	0.97	172.71	15.9	0.92	160.97	46.15	0.78	0.676666667	0.81	-0.153333333	0.00091055	0.00379093		
ENSMU00000019599.11	Chk1	chr19	-	294.8	44074339	chr19:44074338-44074540	66.82	9.16	0.88	72.88	22.76	0.76	74.8	15.02	0.83	67.82	10.94	0.1	75.5	0	1	75.5	0	1	0.823333333	0.786666667	-0.153333333	0.00227896	0.00771625		
ENSMU00000015208.4	Triap1	chr4	-	638	115341322	chr4:11534267-11534269	47.4	25.91	0.65	51.14	10.23	0.83	52.18	10.40	0.84	85.43	24.51	0.78	110.47	0	1	102.05	0	1	0.733333333	0.926666667	-0.153333333	0.00514381	0.01412546		
ENSMU00000015123.7	Trk2	chr16	-	197.7	3282948	chr16:3282948-3283463	23.87	8.89	0.66	26.66	5.78	23.87	11.89	0.71	54.68	0.95	58.84	0	1	55.01	2.41	0.96	0.816666667	0.97	-0.153333333	0.00040316	0.01763894				
ENSMU00000016249.7	Pgp1b	chr10	-	797.8	77597244	chr10:77597228-77597335	43.32	20.84	0.69	32.24	24.84	0.61	70.21	0	1	77.86	0.98	0.92	37.98	7.45	0.84	85.98	0	1	0.766666667	0.766666667	-0.153333333	0.00975246	0.02683080		
ENSMU0000002798.9	Trp1	chr19	-	644.2	10270698	chr19:10270698-10270698	59.46	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01	59.46	0.01
ENSMU00000019203.8	Paip1	chr13	-	7497.6	119457272	chr13:119456688-119457391	33.27	68.84	0.31	28.16	54.17	0.3	32.26	57.85	0.36	63.78	14.58	0.92	64.76	10.65	13.44	0.43	0.323333333	0.496666667	-0.153333333	0.01739998	0.04045043				
ENSMU00000015203.9	E2f4	chr6	-	1695.4	10530473	chr6:10530457-10530453	149.9	88.77	0.63	141.13	63.04	0.69	120.23	62.83	0.66	49.73	22.56	0.69	49.97	3.99	0.93	57.71	13.04	0.62	0.8	0.833333333	-0.153333333	0.02041604	0.07173199		
ENSMU00000017033.1	E2f4	chr6	-	1695.4	10530473	chr6:10530457-10530453	149.9	88.77	0.63	141.13	63.04	0.69	120.23	62.83	0.66	49.73	22.56	0.69	49.97	3.99	0.93	57.71	13.04	0.62	0.8	0.833333333	-0.153333333	0.02041604	0.07173199		
ENSMU00000007132.9	Bckdha	chr7	-	1447.5	25632322	chr7:25629946-25630433	24.29	28.84	0.47	33.52	23.78	0.48	48.78	24.93	0.44	67.43	33.68	0.78	68.28	0.86	0.77	55.71	48.92	0.53	0.466666667	0.466666667	-0.153333333	0.000637422	0.00983087		
ENSMU00000025649.9	Ddb1	chr19	-	9520.2	18262260	chr19:18262079-18262813	365.88	44.74	0.9	369.9	69.7	0.84	387.42	88.46	0.81	525.92	0	1	962.22	0	1	862.22	0	1	0.85	1	-0.15	1.54E-29	1.33E-27		
ENSMU00000022489.12	Trf2	chr19	-	932.5	1941292	chr19:19412920-19412911	121.72	112.01	0.34	144.17	64.4	0.34	147.49	64.4	0.34	147.49	64.4	0.34	147.49	64.4	0.34	147.49	64.4	0.34	147.49	64.4	0.34	147.49	64.4	0.34	147.49
ENSMU00000010840.3	Tcf25	chr8	-	8331.6	12340339	chr8:12340317-12340306	96.78	24.74	0.8	109.03	0	1	91.86	31.09	0.75	44.04	0	1	615.37	0	1	0.85	1	-0.15	1.54E-29	1.33E-27					
ENSMU00000017684.11	Pmnd4	chr3	-	1934.7	9502783	chr3:95027839-95027834	33.4	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01
ENSMU00000033902.13	Pmnd4	chr3	-	1934.7	9502783	chr3:95027839-95027834	33.4	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01	33.4	0.01
ENSMU00000010723.7	Pmnd4	chr3	-	1934.7	9502783	chr3:95027839-95027834	33.																								

ENSMUST0000017009.1	Htdp1	chr8	+	4639.2	13377508	chr8:13377142-13377702	141.46	164.64	0.46	143.84	166.42	0.46	144.06	168.15	0.46	72.27	76.85	0.48	55.81	19.62	0.74	90.1	65.43	0.58	0.46	0.6	-0.14	0.034489933	0.07828295		
ENSMUST0000094709.1	Dx46	chr11	+	479.7	59576221	chr11:59576784-59581256	46.52	95.03	0.33	44.29	102.26	0.29	49.93	90.7	0.28	45.63	108.07	0.63	18.11	51.63	0.24	40.45	39.8	0.51	0.14	0.06111058	0.02829847				
ENSMUST00002749.12	Grd	chr11	+	764.9	2954159	chr11:2954191-29542279	17.81	68.07	0.21	68.14	20.02	0.21	68.14	20.02	0.21	68.14	20.02	0.21	68.14	20.02	0.21	68.14	20.02	0.21	0.44	0.04666667	0.17	0.14	0.04355552	0.095611	
ENSMUST000013666.2	EF4a1	chr11	+	2010341	6966714	chr11:6966693-6966717	1254.06	3768.1	0.25	1226.56	3866.04	0.24	1256.37	3901.5	0.25	1266.08	1329.32	0.38	1168.07	1645.95	0.42	790.25	1335.5	0.28	0.46	0.03666667	0.1	-0.16666667	5.95E-35	7.56E-33	
ENSMUST0000163300.7	AH1	chr11	+	5850.3	59212464	chr11:5921141-59212895	750.9	1319.28	0.14	706.78	126.05	0.15	716.22	155.05	0.15	726.67	57.15	0.24	94.0	95.23	0	1	95.14	1.0	0.1	0.84	0.33333333	0.28	-0.13666667	8.28E-27	3.36E-24
ENSMUST000074981.8	HL1	chr11	+	1191580.8	4868146	chr11:4868146-4868161	140.8	645.6	0.19	140.8	645.6	0.19	140.8	645.6	0.19	140.8	645.6	0.19	140.8	645.6	0.19	140.8	645.6	0.19	0.78	0.18666667	0.1	0.1	0.03666667	2.16E-22	6.30E-15
ENSMUST000013021.6	SraF5	chr17	+	52063.5	29042067	chr17:29041384-29043386	211.42	136.08	0.14	208.68	120.25	0.14	206.72	120.05	0.12	216.62	55.15	0.28	276.55	75.14	0.27	234.72	234.72	0.29	0.1	0.14333333	0.28	-0.13666667	1.24E-15	3.06E-14	
ENSMUST000021239.6	LncR59	chr11	+	20541.3	94644513	chr11:94644234-94644996	514.67	471.31	0.87	500.04	65.48	0.89	491.81	66.48	0.81	509.68	65.48	0.89	347.81	0	1	192.81	48.8	0.98	0.32251	1	0.86666667	0.09633333	0.96333333	7.39E-15	1.95E-13
ENSMUST00007952.9	Grd	chr11	+	69020.8	69020.8	chr11:69020.8-69020.8	414.07	1049.49	0.24	414.07	1049.49	0.24	414.07	1049.49	0.24	414.07	1049.49	0.24	414.07	1049.49	0.24	414.07	1049.49	0.24	0.78	0.18666667	0.1	0.1	0.03666667	2.16E-22	6.30E-15
ENSMUST000019323.0	Mhd2	chr5	+	37036.7	13578029	chr5:13578007-13579091	448.8	48.8	0.57	425.71	366.27	0.54	426.76	366.43	0.54	426.76	366.43	0.54	457.58	1418.08	0.48	67.78	79.52	0.47	0.63	0.13666667	0.06	-0.13666667	1.24E-15	3.06E-14	
ENSMUST000020097.4	Pfap2	chr3	+	677.0	11972026	chr3:11971742-11972444	149.96	27.27	0.85	136.17	28.27	0.83	152.51	15.55	0.91	203.88	0	1	273.73	0	1	324.64	0	1	0.84	0.33333333	0.1	-0.13666667	2.42E-11	3.71E-10	
ENSMUST000013965.9	Ckx6	chr2	+	3034.6	676213	chr2:676213-676213	293.62	47.8	0.89	293.62	47.8	0.89	293.62	47.8	0.89	293.62	47.8	0.89	293.62	47.8	0.89	293.62	47.8	0.89	0.26	0.83333333	1	-0.13666667	0.00214179	0.00015418	
ENSMUST000023460.6	Scp2	chr16	+	3722.7	31973256	chr16:31973039-31973472	164.41	61.1	0.52	159.52	62.55	0.77	157.75	31.91	0.83	213.56	14.27	0.93	224.22	0	1	226.11	0	1	0.84	0.76666667	0.01	-0.13666667	5.69E-08	5.06E-07	
ENSMUST000010322.1	Zfand1	chr16	+	10322.1	10322.1	chr16:10322.1-10322.1	214.27	64.3	0.72	214.27	64.3	0.72	214.27	64.3	0.72	214.27	64.3	0.72	214.27	64.3	0.72	214.27	64.3	0.72	0.1	0.83333333	1	-0.13666667	2.16E-22	6.30E-15	
ENSMUST000018238.7	Pmnd8	chr7	+	7247.8	2917456	chr7:29174188-29174747	192.81	188.32	0.51	203.94	17.54	0.54	206.07	31.99	0.48	380.0	24.97	0.98	340.8	250.15	0.75	426.21	202.63	0.68	0.54	0.33333333	0.01	-0.13666667	1.24E-06	8.53E-06	
ENSMUST000031625.14	Arp1a	chr5	+	16444.2	16450878	chr5:16450377-164510871	107.73	28.35	0.79	98.43	37.26	0.73	97.82	47.85	0.67	106.46	44.2	0.76	94.95	37.19	0.96	55.2	73.41	0.88	0.7	0.86666667	0.01	-0.13666667	1.08E-05	3.20E-05	
ENSMUST000090203.12	Ap2m1	chr16	+	15331.81	20543947	chr16:20543911-20544948	177.93	89.4	0.62	151.13	89.4	0.62	151.13	89.4	0.62	151.13	89.4	0.62	151.13	89.4	0.62	151.13	89.4	0.62	0.56	0.36666667	0.06	-0.13666667	0.00022501	0.00022501	
ENSMUST000012819.8	LncR2	chrX	+	1189.1	16472875	chrX:16472873-16473076	63.34	0	1	62.99	37.06	0	58.72	47.85	0.67	43.46	44.2	0.76	94.95	37.19	0.96	55.2	73.41	0.88	0.7	0.86666667	0.01	-0.13666667	1.08E-05	3.20E-05	
ENSMUST000017029.4	Mg9b	chr7	+	722.1	79134337	chr7:79133768-79134546	58.89	2.65	0.96	49.34	19.19	0.72	64.78	6.83	0.75	112.87	0	1	112.87	0	1	68.22	0	1	0.83333333	1	-0.13666667	0.00044238	0.00173386		
ENSMUST000019495.8	Zfp39	chr3	+	325.1	3252068	chr3:32519532-32520743	53.84	8.09	0.9	49.79	8.9	0.85	48.7	6.35	0.84	74.25	0	1	74.25	0	1	68.22	0	1	0.83333333	1	-0.13666667	0.00113788	0.00467184		
ENSMUST000014336.7	Meg3	chr12	+	5516.6	109571628	chr12:109571391-109571721	74.57	60.61	0.53	71.65	61.1	0.54	68.12	56.94	0.44	41.97	160.81	0.69	40.25	138.24	0.75	398.84	211.88	0.65	0.56	0.36666667	0.01	-0.13666667	0.00025701	0.00038906	
ENSMUST000020281.3	HspH1	chr5	+	7958.8	149816974	chr5:149816544-14981711	75.45	26.04	0.27	60.85	19.89	0.25	64.88	17.82	0.27	44.23	112.04	0.29	72.48	52.2	0.53	61.81	102.03	0.38	0.26	0.33333333	0.04	-0.13666667	0.007611306	0.02191305	
ENSMUST000001460.13	Rb1	chr6	+	1890.7	2888848	chr6:28888335-28888832	119.56	62.02	0.52	122.77	133.78	0.48	117.25	115.93	0.5	131.34	78.91	0.62	153.83	37.1	0.81	118.62	127.55	0.48	0.5	0.36666667	0.01	-0.13666667	0.00098872	0.02201335	
ENSMUST000003072.11	Dcd4	chr5	+	2248977	2248977	chr5:22489649-22489717	52.84	19.07	0.81	71.3	33.93	0.7	62.32	14.23	0.94	79.72	0	1	48.63	11.92	0.81	0.78	0.91	0.1	0.36666667	0.01	-0.13666667	0.02636957	0.02636957		
ENSMUST000025462.6	Rn1	chr18	+	1007.6	80192538	chr18:80192505-80192882	47.2	56.28	0.46	40.37	61.99	0.39	35.55	53.36	0.4	73.34	79.01	0.48	156.93	57.94	0.73	71.75	85.95	0.45	0.4	0.16666667	0.01628855	0.01628855			
ENSMUST000007939.11	Zfand1	chr3	+	379.4	10347004	chr3:10339583-10346050	47.13	20.56	0.7	49.82	2.51	0.95	41.49	1.78	0.7	60.15	5.02	0.92	74.69	0	1	67.99	12.89	0.84	0.73333333	0.06	-0.13666667	0.019621749	0.04589196		
ENSMUST000005149.8	Arp1a	chr5	+	1634.9	16349	chr5:16349-16349	84.7	119.6	0.47	84.7	119.6	0.47	84.7	119.6	0.47	84.7	119.6	0.47	84.7	119.6	0.47	84.7	119.6	0.47	0.1	0.33333333	0.06	-0.13666667	0.000154078	0.000154078	
ENSMUST000017976.7	Pfag2	chr11	+	1102.4	7689803	chr11:7689803-7689838	21.03	0.41	0.18	19.87	0.14	0.18	19.87	0.14	0.18	19.87	0.14	0.18	19.87	0.14	0.18	19.87	0.14	0.18	0.28	0.1	-0.13666667	0.021717387	0.05219147		
ENSMUST000020552.6	Pfag2	chr10	+	570.6	7867500	chr10:7867500-7867517	24.45	12.81	0.66	28.05	6.2	0.62	26.11	11.07	0.7	99.93	24.86	0.8	203.12	0	1	92.22	25.4	0.79	0.26666667	0.01	-0.13666667	0.026897574	0.03952862		
ENSMUST000026428.1	Tp53	chr11	+	2665339.8	2665339.8	chr11:2665339.8-2665339.8	18497.48	3045.94	0.88	2017.46	3045.94	0.88	2017.46	3045.94	0.88	2017.46	3045.94	0.88	2017.46	3045.94	0.88	2017.46	3045.94	0.88	0.1	0.33333333	0.06	-0.13666667	0.000154078	0.000154078	
ENSMUST000029780.1	Tp53	chr10	+	6794	11972029	chr10:11971874-11972040	150.12	28.14	0.85	136.33	27.16	0.83	152.89	13.07	0.93	303.99	0	1	273.82	0	1	244.68	0	1	0.86666667	0.01	-0.13666667	6.96E-11	6.96E-10		
ENSMUST000013966.7	Tp53	chr10	+	6332.9	6702219	chr10:6702200-6702244	284.02	34.25	0.89	275.33	50.43	0.85	263.5	43.77	0.87	202.88	0	1	203.93	0	1	224.13	0	1	0.86666667	0.01	-0.13666667	0.000154078	0.000154078		
ENSMUST000002006.1	Scp2	chr16	+	1386.0	1386.0	chr16:1386.0-1386.0	320.19	338.04	0.94	320.19	338.04	0.94	320.19	338.04	0.94	320.19	338.04	0.94	320.19	338.04	0.94	320.19	338.04	0.94	0.1	0.33333333	0.97333333	0.97333333	0.97333333	0.97333333	
ENSMUST000043860.8	Tubg1	chr11	+	5016.7	10128311	chr11:10128302-10128419	128.45	24.29	0.84	143.45	10.48	0.85	126.5	16.87	0.87	249.95	0	1	390.43	0	1	244.57	1.42	0.99	0.83333333	0.06	-0.13666667	0.000154078	0.000154078		
ENSMUST000013397.7	Nab7	chr7	+	6120.7	6799957	chr7:6799944-68000330	208.93	18.77	0.77	220.17	26.93	0.89	195.12	52.49	0.79	394.53	53.8	0.88	290.32	0	1	400.41	12.01	0.97	0.81666667	0.01	-0.13666667	0.000154078	0.000154078		
ENSMUST000007926.9	Scp2	chr16	+	1166.9	1166.9	chr16:1166.9-1166.9	220.02	422.0271	0.92	220.02	422.0271	0.92	220.02	422.0271	0.92	220.02	422.0271	0.92	220.02	422.0271	0.92	220.02	422.0271	0.92	0.1	0.33333333	0.97333333	0.97333333	0.97333333	0.97333333	
ENSMUST000007574.4	Tubz2b	chr13	+	482999.9	3412746	chr13:34126748-34128311	86.99	158.19	0.35	72.08	18.42	0.38	60.17	19																	

ENSMUST00000002116.6	Acc2	chr15	+	6591	81914829	chr15:81914828-81915000	250.84	126.55	0.66	276.69	100.14	0.73	278.84	120.53	0.7	429.83	108.67	0.8	507.39	21.95	0.98	412.13	180.48	0.7	0.66666667	0.82	-12.33333333	7.94E-05	0.00073496	
ENSMUST00000005993.0	EIF3	chr12	+	4734.1	11544810	chr12:11544809-11544923	401.84	166.89	0.71	360.49	195.17	0.65	406.51	150.97	0.73	216.06	86.15	0.7	159.14	29.25	0.84	249.73	23.77	0.91	0.66666667	0.82	-12.33333333	0.00011932	0.003457025	
ENSMUST00000007216.4	Rpl19	chr1	+	879.1	62647095	chr1:62647224-62667866	131.44	44.71	0.71	96.35	13.54	0.71	96.35	13.54	0.71	96.35	13.54	0.71	96.35	13.54	0.71	96.35	13.54	0.71	0.66666667	0.82	-12.33333333	0.00206138	0.001100839	
ENSMUST000000014862.7	Galnt11	chr5	+	404.3	25265451	chr5:25265505-25269177	34.1	4.09	0.89	38.12	2.76	0.93	37.41	11.51	0.76	87.77	4.64	0.95	70.18	0.14	0.91	101.11	0.0	1.0	0.86	0.83333333	-12.33333333	0.00483004	0.01458875	
ENSMUST000000004543.1	Thy1	chr4	+	504.5	61273805	chr4:61273804-61288711	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	0.86	0.83333333	-12.33333333	0.00292828	0.001922785	
ENSMUST0000000045737.13	Selp3	chr4	+	11712.3	10704844	chr4:10704804-10704984	36.1	4.09	0.89	38.12	2.76	0.93	37.41	11.51	0.76	87.77	4.64	0.95	70.18	0.14	0.91	101.11	0.0	1.0	0.86	0.83333333	-12.33333333	0.00483004	0.01458875	
ENSMUST000000019577.9	Gipc1	chr6	+	1180.7	63664398	chr6:63664397-63664984	61.33	18.72	0.77	55.23	34.13	0.77	55.23	34.13	0.77	55.23	34.13	0.77	55.23	34.13	0.77	55.23	34.13	0.77	0.86	0.83333333	-12.33333333	0.012912325	0.003464778	
ENSMUST00000001674.3	Napa	chr7	+	242.3	10562624	chr7:10562623-10562747	18.61	2.05	0.92	18.61	2.05	0.92	18.61	2.05	0.92	18.61	2.05	0.92	18.61	2.05	0.92	18.61	2.05	0.92	0.86	0.83333333	-12.33333333	0.01104282	0.008111476	
ENSMUST000000000618.4	Napa	chr7	+	2323.1	16117114	chr7:16116464-16117195	61.33	18.72	0.16	20.16	87.72	0.19	18.17	91.14	0.17	96.42	19.12	0.33	79.14	286.3	0.22	101.11	161.01	0.34	0.732	-12.33333333	0.016915845	0.04272689		
ENSMUST000000032756.11	Rangap1	chr15	+	2075	99207188	chr15:99207047-9921464	125.72	37.52	0.77	119.82	44.88	0.77	119.82	44.88	0.77	119.82	44.88	0.77	119.82	44.88	0.77	119.82	44.88	0.77	0.86	0.72666667	0.86	-12.33333333	0.01838329	0.041609776
ENSMUST000000017102.2	Ubf1	chr7	+	962.5	12207405	chr7:12207405-12208194	79.49	37.52	0.5	88.89	62.78	0.52	92.38	53.77	0.58	88.89	64.4	0.52	88.89	64.4	0.52	88.89	64.4	0.52	0.86	0.72666667	0.86	-12.33333333	0.02986329	0.046190809
ENSMUST000000030158.5	Ubf1	chr7	+	1075	12207188	chr7:12207405-12208194	79.49	37.52	0.5	88.89	62.78	0.52	92.38	53.77	0.58	88.89	64.4	0.52	88.89	64.4	0.52	88.89	64.4	0.52	0.86	0.72666667	0.86	-12.33333333	0.02986329	0.046190809
ENSMUST000000030370.5	Ubf1	chr7	+	1427.3	10051871	chr7:10051557-100518125	70.14	75.94	0.48	59.39	84.88	0.41	44.28	102.37	0.43	70.37	74.8	0.78	49.74	102.97	0.56	81.73	78.15	0.51	0.36666667	0.82	-12.33333333	0.025142305	0.00603485	
ENSMUST000000018088.5	Thy1	chr4	+	306.5	61273805	chr4:61273804-61288711	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	134.44	46.73	0.66	0.86	0.83333333	-12.33333333	0.00292828	0.001922785	
ENSMUST000000019866.1	Plum1	chr2	+	291.9	10571847	chr2:10571825-105719885	78.32	1.1	0.58	84.76	0.75	0.42	44.28	102.37	0.43	70.37	74.8	0.78	49.74	102.97	0.56	81.73	78.15	0.51	0.36666667	0.82	-12.33333333	0.025142305	0.00603485	
ENSMUST00000048077.11	Lin2	chr2	+	498.1	18138349	chr2:18138325-181383828	34.87	11.56	0.75	29.27	17.14	0.69	47.53	0	1	114.58	19.17	0.86	148.2	0	1	133.54	6.91	0.96	0.81	0.33333333	-12.33333333	0.027389788	0.084644303	
ENSMUST0000004418.2	ESRRB	chr2	+	312.3	43383178	chr2:43383177-43383200	11.63	51.06	0.82	11.63	51.06	0.82	11.63	51.06	0.82	11.63	51.06	0.82	11.63	51.06	0.82	11.63	51.06	0.82	0.86	0.72666667	0.86	-12.33333333	0.008119633	0.002011622
ENSMUST000000028418.1	M2047.8	chrM	+	220047.8	1380	chrM:11742-13552	1199	579.07	0.63	1357.58	13.14	0.47	1280.74	590.89	0.68	1854.58	0	1	682.2	0	1	682.2	0	1	0.67	-12.33333333	0.0174397	1.37E-14		
ENSMUST000000037324.11	Slp1a	chr11	+	245038.9	52248494	chr11:52248493-52248858	414.82	579	0.42	464.79	503.08	0.42	431.95	995.58	0.42	842.86	904.72	0.48	1913.94	963.25	0.67	961.83	862.35	0.53	0.44	0.56	-12.12	7.98E-13	1.66E-11	
ENSMUST000000019563.1	Rpl151	chr16	+	2299	11193443	chr16:11193442-11193537	703.15	142.54	0.83	642.82	140.27	0.82	645.02	143.39	0.82	368.99	51.9	0.98	578.34	0	1	408.47	22.25	0.95	0.82333333	-12.33333333	0.012912325	0.026112	9.26E-11	
ENSMUST000000078155.4	Eno1b	chr18	+	1674838	4804971	chr18:4804873-4804878	2331.22	519.03	0.54	2184.04	204.22	0.52	2213.58	204.22	0.52	553.49	393.57	0.58	650.32	224.19	0.74	545.52	333.05	0.62	0.52666667	0.86486667	-12.12	1.61E-11	2.53E-10	
ENSMUST00000001382.7	Slc7a3	chrX	+	18777.8	101073525	chrX:10107321-101078952	450.25	127.82	0.78	535.04	36.49	0.94	574.27	48.08	0.92	134.92	0	1	300.1	0	1	185.7	0	1	0.88	1.1	-12.12	4.89E-10	2.22E-09	
ENSMUST000000020538.12	Xpo1	chr11	+	2837.2	2328218	chr11:2328961-2328977	218.56	22.22	0.21	221.84	749.75	0.23	223.04	75.38	0.23	195.83	347.17	0.36	208.4	400.2	0.34	198.09	385.75	0.34	0.22666667	0.34666667	-12.12	3.46E-07	6.86E-06	
ENSMUST0000004593.14	Cps4	chr5	+	4290	10054753	chr5:10054734-100547803	158.27	54.26	0.74	164.98	38.41	0.81	180.7	11.95	0.94	186.2	33.33	0.85	428.77	0	1	230.4	0	1	0.83	0.95	-12.12	9.15E-07	8.51E-06	
ENSMUST00000045970.7	Gpc1	chr1	+	10860.4	10860.4	chr1:10860.4-10860.4	51.73	8.78	0.91	51.73	8.78	0.91	51.73	8.78	0.91	51.73	8.78	0.91	51.73	8.78	0.91	51.73	8.78	0.91	0.88	0.6	-12.12	3.16E-06	2.06E-05	
ENSMUST000000037534.7	Rpl187	chr11	+	5467.7	70651123	chr11:7065922-70651427	127.06	16.26	0.83	123.97	38.35	0.87	144.48	38.35	0.77	0.91	227.61	0.91	227.61	0.91	227.61	0.91	227.61	0.91	1	0.85	-12.12	3.55E-06	2.23E-05	
ENSMUST000000017731.7	Rab35	chr11	+	1853.3	78940029	chr11:7894032-78940340	78.57	14.23	0.85	82.42	23.35	0.78	89.72	0	1	106.2	0	1	152.22	1.54	0.99	167.666667	0.96666667	0.86	0.86	-12.12	1.17E-05	6.64E-05		
ENSMUST000000027193.2	Rab35	chr11	+	449.2	78940029	chr11:7894032-78940340	78.57	14.23	0.85	82.42	23.35	0.78	89.72	0	1	106.2	0	1	152.22	1.54	0.99	167.666667	0.96666667	0.86	0.86	-12.12	1.17E-05	6.64E-05		
ENSMUST00000001691.6	Zc3h1	chr2	+	6947.9	8384156	chr2:8383630-8384622	285.71	92.67	0.75	278.58	106.01	0.72	247.71	57.33	0.81	294.98	7.89	0.97	287.69	62.35	0.67	0.81	0.73333333	0.83333333	-12.12	6.09E-05	0.00207904			
ENSMUST000000019533.8	Pfapb	chr6	+	9098.6	7035715	chr6:70353467-70353238	132.38	38.01	0.71	138.94	66.01	0.68	129.67	61.77	0.64	316.77	11.58	0.74	658.21	86.78	0.86	371.21	110.34	0.77	0.67666667	0.76666667	-12.12	0.00118016	0.00541202	
ENSMUST00000002732.8	Pfapb	chr6	+	9098.6	7035715	chr6:70353467-70353238	132.38	38.01	0.71	138.94	66.01	0.68	129.67	61.77	0.64	316.77	11.58	0.74	658.21	86.78	0.86	371.21	110.34	0.77	0.67666667	0.76666667	-12.12	0.00118016	0.00541202	
ENSMUST00000003404.4	Pfapb	chr6	+	9098.6	7035715	chr6:70353467-70353238	132.38	38.01	0.71	138.94	66.01	0.68	129.67	61.77	0.64	316.77	11.58	0.74	658.21	86.78	0.86	371.21	110.34	0.77	0.67666667	0.76666667	-12.12	0.00118016	0.00541202	
ENSMUST000000010253.5	Gm2688	chr6	+	611.9	8310807	chr6:8310822-8310939	125.43	0	1	67.86	21.15	0.76	103.88	21.2	0.73	125.18	0	1	212.81	12.03	0.95	147.74	0	1	0.83333333	0.83333333	-12.12	0.00026089	0.00273456	
ENSMUST00000001645.5	Gm2688	chr6	+	611.9	8310807	chr6:8310822-8310939	125.43	0	1	67.86	21.15	0.76	103.88	21.2	0.73	125.18	0	1	212.81	12.03	0.95	147.74	0	1	0.83333333	0.83333333	-12.12	0.00026089	0.00273456	
ENSMUST000000030395.8	Svp	chr4	+	1895.1	11920198	chr4:11920097-11920128	163.4	0	1	81.76	35.51	0.89	102.62	35.51	0.89	102.62	35.51	0.89	102.62	35.51	0.89	102.62	35.51	0.89	0.86	0.83333333	-12.12	0.00489127	0.00489127	
ENSMUST000000016837.2	Su53	chr5	+	3012.5	11702576	chr5:11702437-11702595	104.97	32.89	0.87	115.26	41.93	0.78	106.53	18.25	0.85	151.99	16.49	0.9	213.4	0	1	153.47	36.07	0.8	0.78	0.9	-12.12	0.00248894	0.008119378	
ENSMUST000000017845.2	Rpl19	chr1	+	9249	62647095	chr1:62647224-62667866	131.44	44.71	0.71	96.35	13.54	0.71	96.35	13.54	0.71	96.35	13.54	0.71	96.35	13.54	0.71	96.35	13.54	0.71	0.66666667	0.82	-12.12	0.0127373	0.0073268	

ENSMUST0000020856.5	Bkw2	chr12	-	78474.3	36091989	chr12:36091985-36092309	287.71	163.63	0.64	341.68	118.1	0.74	340.89	83.41	0.8	420.82	151.96	0.73	689.84	153.01	0.82	523.05	66.04	0.89	0.726966667	0.813333333	-0.086666667	0.000649328	0.00247582		
ENSMUST0000011029.11	Dnajp1r	chr3	-	3942.6	3047913	chr3:30459520-3047913	1.36	173.27	0.1	0.46	191.0	0.1	0.24	179.06	0.1	0.77	91.84	0.04	6.95	37.28	0.16	37.28	0.16	0.04	0.086666667	-0.086666667	0.001921488	0.00509144	0.00072584		
ENSMUST0000124665.2	Mest	chr6	-	5106.1	3074743	chr6:30747432-30747554	297.67	341.98	0.47	293.63	328.81	0.48	274.47	59.18	0.53	322.74	22.74	0.59	635.62	552.19	0.82	54.04	0.466666667	0.086666667	0.002001529	0.00072584	0.00072584	0.00072584	0.00072584		
ENSMUST0000018570.1	Hmgat1	chr17	-	214930.3	27362644	chr17:27362438-27363755	1213.7	207.23	0.65	1218.6	447.91	0.73	1224.16	332.99	0.81	180.23	46.51	0.79	158.83	0.1	165.4	31.17	0.84	0.79	0.79	0.086666667	-0.086666667	0.007556433	0.0213235	0.00072584	
ENSMUST000016921.3	Dph3	chr14	-	374.6	32082968	chr14:32082968-32083446	8.71	261.21	0.05	6.62	167.12	0.04	6.5	144.91	0.04	20.19	105.26	0.16	22.38	216.28	0.09	20.42	124.33	0.14	0.813333333	0.716666667	-0.086666667	0.001755839	0.0213235		
ENSMUST00000505100.13	Gng2	chr4	-	28.1	14867734	chr4:14867734-14867935	114.81	21.02	0.85	123.27	32.85	0.79	100.42	45.86	0.89	308.56	40.56	0.91	248.27	51.89	0.83	311.41	56.1	0.85	0.79	0.086666667	-0.086666667	0.02157839	0.020296303	0.00072584	
ENSMUST000042022.6	Cu7f	chr17	-	82.9	14867734	chr17:14867734-14867935	114.81	21.02	0.85	123.27	32.85	0.79	100.42	45.86	0.89	308.56	40.56	0.91	248.27	51.89	0.83	311.41	56.1	0.85	0.79	0.086666667	-0.086666667	0.02157839	0.020296303	0.00072584	
ENSMUST000001739.5	FtRt1	chr9	-	18848.7	12045174	chr9:12045174-12045933	86.34	7.47	0.47	93.19	107.39	0.46	93.04	88.07	0.91	280.77	246.98	0.53	493.22	295.91	0.63	322.99	273.02	0.54	0.44	0.086666667	-0.086666667	0.020661381	0.020661381	0.00072584	
ENSMUST000013276.10	Dynl1	chr5	-	104716	11528588	chr5:11528588-11529833	1348.22	78.47	0.07	1256.8	100.79	0.87	1256.8	100.79	0.87	109.11	62.92	0.78	199.87	6.78	0.27	933.32	54.29	0.95	0.86	0.086666667	-0.086666667	0.002661381	0.020661381	0.00072584	
ENSMUST000002059.18	Shp1	chr19	-	12632.7	7020970	chr19:7020970-7021171	61.95	92.11	0.94	598.11	43.58	0.73	587.4	120.13	0.83	384.26	18.84	0.95	504.83	0.1	405.95	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST000007755.6	Alp5f5	chr19	-	15166.8	10522299	chr19:10522299-10522765	97.79	156.4	0.82	148.63	13.66	0.82	148.63	13.66	0.82	156.4	13.66	0.82	156.4	13.66	0.82	156.4	13.66	0.82	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST0000018209.7	Alp5f5	chr19	-	28175.5	10524282	chr19:10524282-10524303	601.81	428.11	0.77	599.75	21.78	0.71	633.75	61.23	0.75	613.75	208.84	0.78	230.71	384.16	0.87	926	288.9	0.76	0.2	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST0000024022.4	Sumo3	chr10	-	1365.5	7181936	chr10:7181936-7182048	392.83	42.06	0.9	375.61	68.14	0.85	397.51	0.1	0.1	249.24	0.1	0.1	249.24	0.1	249.24	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST000014707.1	Mwsk3	chr9	-	454.9	3982299	chr9:3982299-3982594	17.47	114.1	0.78	160.23	0.1	0.78	160.23	0.1	0.78	160.23	0.1	0.78	160.23	0.1	144.9	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000016419.1	Cndp2	chr18	-	5525.5	8468789	chr18:84687470-84688100	99.84	20.3	0.83	96.48	0.1	0.1	97.02	8.07	0.92	183.78	0.1	0.1	183.78	0.1	220.11	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000038474.13	Ewos2c	chr2	-	3280.3	13869889	chr2:13869889-13871349	240.49	92.15	0.95	224.1	16.35	0.93	207.79	9.9	0.93	133.78	0.1	0.1	133.78	0.1	137.05	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000020893.11	Efd4e	chr3	-	6038.4	13855400	chr3:13855390-13855986	19.82	413.4	0.05	22.1	399.28	0.05	23.2	388.83	0.06	33.06	238.89	0.25	37.97	199.75	0.16	34.87	238.88	0.13	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584		
ENSMUST00000139029.2	Pipa	chr2	-	1117.8	30445678	chr2:30445677-30446806	92.95	95.88	0.98	89.36	17.43	0.84	104.56	9.6	0.92	167.54	2.35	0.99	171.1	0.1	161.49	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000020705.4	Pes1	chr11	-	2805.1	3979180	chr11:3978827-3980004	30.41	440.67	0.06	36.77	440.68	0.06	31.4	462.51	0.06	45.83	205.58	0.16	83.87	323.29	0.09	47.27	216.84	0.18	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584		
ENSMUST0000059534.14	Sigma1r	chr4	-	641.5	1739148	chr4:1739148-1739520	490.59	37.91	0.9	503.88	50.37	0.91	503.88	50.37	0.91	89.41	0.74	0.99	82.05	0.1	100.74	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000043433.9	Itih3	chr9	-	2033.5	14609382	chr9:14609381-14612330	113.1	0.31	0.25	113.1	10.93	0.25	113.1	10.93	0.25	121.94	0.1	0.1	121.94	0.1	110.38	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000014750.14	Soc215a1	chr11	-	9338.3	7604399	chr11:76044196-76044221	168.3	84.82	0.66	173.28	158.89	0.72	153.89	94.18	0.82	153.89	120.29	0.56	376.01	0.1	179.52	79.36	0.69	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	0.00072584	0.00072584	
ENSMUST0000067296.4	Mprc2a	chr3	-	13438.6	9586271	chr3:95862634-95862922	135.24	24.1	0.47	144.4	138.19	0.51	140.78	146.29	0.49	309.7	296.19	0.51	751.12	382.29	0.68	346.29	281.42	0.55	0.7	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST000005191.9	Pip3	chr1	-	1918.7	1029858	chr1:1029858-10299676	191.87	191.87	0.1	191.87	191.87	0.1	191.87	191.87	0.1	191.87	191.87	0.1	191.87	191.87	0.1	191.87	191.87	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST00000174805.1	Mprc2a	chr17	-	49575.1	35146223	chr17:35146223-35149000	121.5	216.48	0.12	53.4	219.02	0.12	54.08	217.08	0.12	74.08	298.38	0.22	138.13	284.34	0.32	94.49	313.22	0.42	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST00000177131.7	Sngy2	chr11	-	426.1	117813704	chr11:117813391-117813628	149.49	0.1	0.1	132.37	27.95	0.87	127.95	23.89	0.84	83.32	30.8	0.96	82.1	0.1	101.34	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000013988.1	Rt1a	chr7	-	874.8	11921117	chr7:11921117-11921340	10.54	3.21	0.16	119.21	3.21	0.16	119.21	3.21	0.16	119.21	3.21	0.16	119.21	3.21	0.16	119.21	3.21	0.16	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST0000030348.14	Rica	chr3	-	116449068	9281	chr3:116448963-116483338	105.48	38.41	0.73	107.18	40.55	0.77	126.05	20.4	0.86	191.87	29.52	0.87	32.11	56.48	0.85	205.83	41.87	0.83	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	0.00072584	0.00072584
ENSMUST000004945.12	Paln	chr10	-	4209.4	74815422	chr10:74815422-74820986	36.54	5.63	0.47	37.95	13.68	0.48	40.03	9.01	0.82	236.64	0.1	0.1	236.64	0.1	240.18	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000020221.1	Paln	chr10	-	4444.5	74815422	chr10:74815422-74820986	36.54	5.63	0.47	37.95	13.68	0.48	40.03	9.01	0.82	236.64	0.1	0.1	236.64	0.1	240.18	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST0000060460.1	Ctd4	chr7	-	21545.1	17821632	chr7:14237917-14237938	344.63	53.43	0.47	393.93	39.75	0.48	397.75	32.08	0.89	635.72	12.58	0.97	1152.01	0.1	691.54	0.1	0.1	0.1	0.1	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584
ENSMUST00000170010.1	Barf1	chr19	-	21740.1	5304806	chr19:5304804-5305138	583.87	90.54	0.87	534.34	148.11	0.78	612.53	134.06	0.82	447.32	64.17	0.87	796.56	0.1	432.71	83.92	0.84	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	0.00072584	0.00072584	
ENSMUST0000020266.1	Barf1	chr19	-	4396.3	5304806	chr19:5304804-5305138	583.87	90.54	0.87	534.34	148.11	0.78	612.53	134.06	0.82	447.32	64.17	0.87	796.56	0.1	432.71	83.92	0.84	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	0.00072584	0.00072584	
ENSMUST000001834.3	Rbcz	chr10	-	9312.2	8593872	chr10:8593872-8593919	266.98	24.7	0.82	263.98	32.43	0.8	263.98	32.43	0.8	263.98	32.43	0.8	263.98	32.43	0.8	263.98	32.43	0.8	0.1	0.086666667	-0.086666667	0.00177710	0.860609	0.00072584	
ENSMUST0000018815.7	Prpsa2	chr11	-	3475.8	61730101	chr11:61729650-61730302	119.6	36.21	0.77	125.77	77.27	0.77	125.77	77.27	0.77	125.77	77.27	0.77	125.7												

ENSMU0000045807.13	Ter1	chr11	+	13959.3	7490202	chr11:74908843-74909542	300.28	75.07	0.8	296.03	21.61	0.93	300.54	18.58	0.94	186.87	26.32	0.88	267.2	0	208.74	4.64	0.98	0.89	0.95333333	-0.06333333	0.003315832	0.010467472		
ENSMU0000045807.14	Dn5d6	chr11	-	400.4	629504	chr11:12528919-42529528	276.71	71.7	0.7	247.82	61.25	0.72	272.06	81.7	0.77	272.06	81.7	0.77	272.06	81.7	0.77	348.49	17.2	0.8	0.89	0.79333333	-0.06333333	0.004343559	0.012368847	
ENSMU0000045807.15	Trn2	chr17	-	1296.1	1296.1	chr17:12961296-10720099	124.6	34.16	0.81	132.62	24.8	0.82	124.3	34.16	0.81	132.62	24.8	0.82	124.3	34.16	0.81	489.59	49.94	0.91	0.86966667	0.06333333	0.00333333	0.00464681		
ENSMU0000045807.16	Fhp4	chr6	-	6959.49	1284307	chr6:12843073-12843080	638.35	166.81	0.55	831.78	62.89	0.57	833.63	65.32	0.56	833.63	65.32	0.56	833.63	65.32	0.56	275.65	48.94	0.6	0.86866667	-0.06333333	0.00962001	0.02386779		
ENSMU0000045807.17	Ubc2d3	chr2	-	7855.5	7852057	chr2:7851989-78521293	8.92	179.81	0.05	9.37	154.54	0.06	10.29	164.72	0.06	10.29	164.72	0.06	10.29	164.72	0.06	419.31	11.2	0.75	0.82	0.06666667	0.000442624	0.02073387	0.00017387	
ENSMU0000045807.18	Pnc3	chr2	-	2330.6	2330.6	chr2:23306162-12678632	32.81	63.77	0.84	32.81	63.77	0.84	32.81	63.77	0.84	32.81	63.77	0.84	32.81	63.77	0.84	240.32	51.82	0.74	0.86866667	0.06333333	0.00333333	0.00117029		
ENSMU0000045807.19	llyna1	chr2	-	980.7	7059207	chr2:70596967-70597290	153.93	27.89	0.85	188.38	16.9	0.81	160.9	16.4	0.86	95.51	15.4	0.86	95.51	15.4	0.86	193.34	0.1	0.1	0.89	-0.06333333	0.011282637	0.03282155	0.00282155	
ENSMU0000045807.20	Nrcam	chr12	-	2376.2	4458951	chr12:44589350-44589841	36.95	2.38	0.94	36.23	0	0	32.45	4.81	0.93	27.97	0	1	27.23	0	1	27.23	0	1	0.94666667	1	-0.06333333	0.013996713	0.0363637	
ENSMU0000045807.21	llyna2	chr9	-	755	3672499	chr9:36723944-36725292	45.6	295.56	0.04	11.38	293.38	0.07	11.38	293.38	0.07	11.38	293.38	0.07	11.38	293.38	0.07	17.66	0.12	0.92	0.808388	0.06333333	0.000442624	0.000442624		
ENSMU0000045807.22	Nudt1	chr8	-	3855.5	9401845	chr8:94015496-94019704	42.73	21.48	0.08	43.73	15.69	0.07	42.73	15.69	0.07	42.73	15.69	0.07	42.73	15.69	0.07	53.88	0.18	0.11	0.86866667	1	-0.06333333	0.013996713	0.0363637	
ENSMU0000045807.23	GriZf5	chr17	-	5796.3	804802	chr17:80482472-80488177	21.24	262.07	0.07	19.96	278.08	0.07	19.96	278.08	0.07	19.96	278.08	0.07	19.96	278.08	0.07	60.54	0.1	0.1	0.86866667	1	-0.06333333	0.013996713	0.0363637	
ENSMU0000045807.24	Snap47	chr11	-	4541.1	5940734	chr11:59407345-59407810	62.53	18.77	0.77	70.34	8.7	0.89	73.69	9.1	0.93	61.16	8.24	0.93	61.16	8.24	0.93	553.16	1	1	0.86866667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.25	DlyD30	chr17	-	818.4	7429584	chr17:74295847-74295824	305.79	346.86	0.48	307.47	339.57	0.48	307.47	339.57	0.48	307.47	339.57	0.48	307.47	339.57	0.48	114.24	0.14	0.24	0.95333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.26	Gp3c	chrX	-	5844.7	5227275	chrX:52272754-52272954	94.39	305.89	0.24	107.73	327.72	0.25	121.18	304.25	0.28	111.81	286.31	0.28	114.02	286.31	0.28	184.52	285.4	0.39	0.26666667	0.06333333	0.01666667	0.008972345		
ENSMU0000045807.27	Rp1	chrX	-	12292.5	10923527	chrX:10923329-10923399	109.04	193.91	0.95	1617.48	15.98	0.96	1617.48	15.98	0.96	1617.48	15.98	0.96	1617.48	15.98	0.96	129.07	8.24	0.99	0.95969667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.28	Vamp3	chr4	-	2393.3	151048845	chr4:151047300-151049446	188.91	30.89	0.23	190.4	20.25	0.1	190.4	20.25	0.1	190.4	20.25	0.1	190.4	20.25	0.1	119.89	0.1	0.1	0.94333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.29	Pnc2	chr2	-	3552.7	12328446	chr2:1232844612-123284999	123.04	99.01	0.17	134.7	526.7	0.2	107.83	564.59	0.16	106.36	578.74	0.22	207.99	617.39	0.22	127.52	425.7	0.23	0.17666667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.30	Pnc3	chr2	-	21569.2	12875895	chr2:12875896-12876291	42.17	296.47	0.13	39.04	264.93	0.17	54.07	255.63	0.16	65.26	275.68	0.16	65.26	275.68	0.16	151.17	543.33	0.19	0.14333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.31	Tsant5	chr1	-	2332.2	15237898	chr1:15237735-152371283	88.38	38.8	0.64	104.07	40.7	0.96	105.99	41.1	0.9	106.36	41.1	0.9	106.36	41.1	0.9	127.82	0	1	0.93333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.32	Rbm17	chr2	-	3474.9	1158521	chr2:11585437-11585726	321.51	139.78	0.7	318.54	143.18	0.69	325.56	123.74	0.72	269.99	136.26	0.68	540.34	114.59	0.83	363.5	105.55	0.77	0.17333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.33	llyna3	chr11	-	8501.9	1180163	chr11:11801635-11801635	85.01	77.98	0.3	85.01	77.98	0.3	85.01	77.98	0.3	85.01	77.98	0.3	85.01	77.98	0.3	85.01	77.98	0.3	0.93333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.34	Chv8	chr11	-	810.2	10176648	chr11:10176640-101767358	146.08	0	1	117.81	83.1	0.25	126.89	136.26	0.88	54.34	150.88	0.88	54.34	150.88	0.88	76.54	114.59	0.83	363.5	105.55	0.77	0.17333333	-0.06333333	0.00333333
ENSMU0000045807.35	Prom1	chr5	-	635.7	4399249	chr5:4399265-4399449	53.07	67.87	0.87	64.03	2.8	0.96	66.3	0	1	81.71	0	1	69.47	0	1	69.47	0	1	0.94333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.36	Rp12	chr10	-	6422.9	17481979	chr10:17481979-11072737	1647.78	64.23	0.04	1647.78	64.23	0.04	1647.78	64.23	0.04	1647.78	64.23	0.04	1647.78	64.23	0.04	177.59	1472.54	0.9	0.93333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.37	Rp15	chr14	-	39536.12	1828978	chr14:18287633-18289916	218.38	267.93	0.07	220.28	238.14	0.09	220.28	238.14	0.09	220.28	238.14	0.09	220.28	238.14	0.09	265.53	1473.17	0.18	0.17333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.38	Ctcb3	chr16	-	26239.6	8473864	chr16:8473851-87440059	59.27	218.29	0.05	52.02	1232.13	0.04	93.21	1231.91	0.04	93.21	1231.91	0.04	93.21	1231.91	0.04	93.21	1231.91	0.04	0.94	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.39	Nfya5	chr4	-	3495	1408733	chr4:14087335-14087388	349.5	292.72	0.95	349.5	292.72	0.95	349.5	292.72	0.95	349.5	292.72	0.95	349.5	292.72	0.95	349.5	292.72	0.95	0.94666667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.40	Bic3	chr5	-	15197	14428740	chr5:14428400-144284395	118.38	26.8	0.82	128.57	0	1	137.66	0	1	93.24	0	1	93.24	0	1	424.64	0.56	1	0.94	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.41	Stard7	chr7	-	1983.2	127207308	chr7:127207310-127209632	124.07	62.8	0.93	117.52	9.86	0.92	117.52	9.86	0.92	117.52	9.86	0.92	117.52	9.86	0.92	117.52	9.86	0.92	0.94666667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.42	Pnc3	chr2	-	349.8	12309766	chr2:12309646-12309766	46.8	3.79	0.93	51.9	2.77	0.96	52.24	0.63	0.99	170.31	0	1	130.03	0	1	162.25	0	1	0.94666667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.43	Spq7	chr8	-	4548.9	12309766	chr8:12309734-12309770	46.8	3.79	0.93	51.9	2.77	0.96	52.24	0.63	0.99	170.31	0	1	130.03	0	1	162.25	0	1	0.94666667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.44	DBP1D7b6	chr10	-	2027.5	8424368	chr10:8424368-84246695	269.78	129.33	0.68	291.62	102.3	0.68	291.62	102.3	0.68	291.62	102.3	0.68	291.62	102.3	0.68	885.65	327.63	0.73	0.73333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.45	Em8	chr9	-	1070.2	1070.2	chr9:10702178-10702178	1070.2	1070.2	0.99	1070.2	1070.2	0.99	1070.2	1070.2	0.99	1070.2	1070.2	0.99	1070.2	1070.2	0.99	1070.2	1070.2	0.99	0.94666667	0.06333333	0.00333333	0.00333333		
ENSMU0000045807.46	Em9	chr11	-	3458.4	73176481	chr11:73176330-73176751	137.28	20.8	0.67	137.88	146.5	0.58	124.58	0	1	147.73	0	1	147.73	0	1	54.45	0.73	1.3805	0.04	0.93	0.4	0.86866667	0.06333333	0.00333333
ENSMU0000045807.47	Pncm13	chr7	-	40395	140988430	chr7:140988193-140989618	176.83	233.92	0.42	172.44	217.36	0.44	169.05	217.36	0.44	169.05	217.36	0.44	169.05	217.36	0.44	247.14	338.06	0.42	0.98013333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.48	Rp12	chr10	-	4907.2	140988430	chr10:140988193-140989618	176.83	233.92	0.42	172.44	217.36	0.44	169.05	217.36	0.44	169.05	217.36	0.44	169.05	217.36	0.44	247.14	338.06	0.42	0.98013333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.49	Luc7	chr11	-	4629.4	9429179	chr11:94287890-94291578	42.83	15.3	0.94	42.83	15.3	0.94	42.83	15.3	0.94	42.83	15.3	0.94	42.83	15.3	0.94	409.08	0.04	0.04	0.94333333	-0.06333333	0.00333333	0.00333333		
ENSMU0000045807.50	H2K10c	chr17	-	4325.7	56607635	chr17:56607452-56607841	14.83	167.4	0.08	31.77	1																			

ENSMUST00000033805.14	Ptmf10	chrX	-	1993.5	140948970	chrX:140948429-140949309	75.43	48.57	0.61	63.44	55.04	0.54	64.55	66.22	0.49	67.24	141.02	0.32	107.94	268.69	0.29	67.45	154.85	0.3	0.546666667	0.303333333	0.243333333	5.78E-06	3.47E-05
ENSMUST00000047037.14	Tncc2	chrX	-	381.2	41797578	chrX:41794991-41797779	46.14	7.26	0.86	45.81	22	0.68	45.01	17.5	0.72	57.18	22.53	0.72	23.11	93.58	0.2	54.85	34.98	0.61	0.753333333	0.51	0.243333333	0.000604405	0.002969662
ENSMUST00000016229.1	Dckl	chr10	-	3286.6	127191335	chr10:127190942-127191353	55.03	0	1	60	0	0.88	54.49	7.57	0.88	108.94	59.38	0.65	71.68	21.8	0.77	103.32	40.02	0.72	0.96	0.713333333	0.246666667	1.59E-05	8.72E-06
ENSMUST00000022499.12	Rnasef2b	chr14	+	562.5	62372561	chr14:62372360-62372592	23.27	46.55	0.33	28.26	30.89	0.48	29.42	31.04	0.49	9.87	32.19	0.23	10.3	71.63	0.13	10.29	42.3	0.2	0.433333333	0.186666667	0.004909286	0.014765759	
ENSMUST0000007302.7	Mx	chr11	+	357.2	101091471	chr11:101091109-101091823	58.19	26.26	0.69	69.21	55.54	0.9	55.54	22.65	0.71	27.38	35.72	0.43	29.45	22.52	0.57	34.09	29.27	0.54	0.786666667	0.613333333	0.253333333	0.001954817	0.006605486
ENSMUST0000009292.4	Ard2	chr15	+	2981.9	96402631	chr15:96401963-96404962	60.05	31.43	0.66	58.77	25.31	0.69	59.13	16.68	0.78	55.98	39.61	0.59	40.02	194.69	0.17	59.98	42.98	0.58	0.446666667	0.71	0.283333333	4.71E-07	3.57E-06
ENSMUST00000081914.12	Arkrd17	chr5	-	1004.9	90228800	chr5:90228465-90229341	84.12	34.32	0.71	55.44	63.12	0.47	61.01	52.48	0.54	54.48	105.57	0.34	26.26	65.02	0.29	46.14	106.39	0.3	0.573333333	0.31	0.263333333	4.02E-05	0.000204446
ENSMUST0000007537.4	Ube3a	chr7	+	486.3	59305075	chr7:59304810-59306727	81.37	28.81	0.74	86.49	15.27	0.85	80.76	24.92	0.76	27.75	8.88	0.76	35.14	100.98	0.26	28.69	25.2	0.53	0.783333333	0.5	0.296666667	3.93E-07	3.02E-06
ENSMUST00000077437.7	Foxp1	chr6	-	1946.1	98920766	chr6:98920469-98930234	65.39	5.1	0.93	65.21	0	1	67.41	4.61	0.94	45.75	16.18	0.74	104.77	94.18	0.55	63.18	17.91	0.78	0.656666667	0.69	0.296666667	4.51E-07	3.44E-06
ENSMUST000000102927.9	Pdgp1	chr17	-	247.3	24078644	chr17:24078680-24079142	32.87	0	1	36.13	0	1	38.55	0	1	48.33	0	1	9.78	42.92	0.19	41.86	0	1	1	0.73	0.27	0.00188001	0.00080905
ENSMUST00000018229.1	Pnas	chr4	+	481.1	2189717	chr4:2189516-21871342	28.63	13.99	0.67	29.06	27.31	0.52	31.17	19.76	0.61	23.47	32.95	0.42	5.42	28.86	0.16	17.07	26.91	0.39	0.6	0.323333333	0.276666667	0.02011972	0.03564584
ENSMUST00000016956.6	Arkrd17	chr5	-	894.1	90228799	chr5:90228597-90229341	83.1	35.26	0.7	53.7	64.82	0.65	62.26	51.16	0.55	48.99	110.95	0.31	16.07	75.19	0.18	49.83	102.6	0.33	0.646666667	0.273333333	0.293333333	6.04E-06	3.64E-05
ENSMUST00000017656.7	Foxp1	chr6	-	1731.7	98829741	chr6:98829189-98830234	48.63	21.37	0.69	51.95	10.76	0.83	51.83	19.67	0.72	30.71	30.48	0.5	58.87	127.42	0.32	38.85	41.93	0.48	0.746666667	0.433333333	0.313333333	5.04E-06	3.07E-05
ENSMUST00000015409.8	Pdgp1	chr17	-	163.9	24078643	chr17:24078612-24079142	32.68	0	1	33.52	0	1	37.26	0	1	36.99	0	1	5.92	46.74	0.11	28.83	1.69	0.94	1	0.883333333	0.316666667	7.57E-06	4.47E-05
ENSMUST00000014225.7	Qsox12	chr6	+	93.7	67017922	chr6:67017464-67019086	32.77	19.09	0.83	30.42	14.31	0.88	31.24	16.86	0.85	15.73	23.45	0.4	5.94	27.03	0.18	11.91	18.39	0.39	0.633333333	0.33	0.00134466	0.01737498	
ENSMUST00000030400.13	Mybp	chr4	+	260.7	123911294	chr4:123911093-123912269	68.67	42.82	0.62	65.37	32.61	0.67	65.4	13.53	0.83	17.01	24.27	0.41	17.5	41.61	0.3	21.44	32.18	0.4	0.706666667	0.37	0.336666667	0.000172023	0.000747579
ENSMUST00000017394.1	Twa2	chr7	-	214.1	126871406	chr7:126869503-126871641	31.9	35.21	0.48	36.21	35.15	0.51	33.12	28.97	0.53	16.91	87.5	0.16	8.59	49.72	0.15	14.94	94.57	0.14	0.506666667	0.15	0.356666667	2.37E-06	1.55E-05
ENSMUST00000012292.1	Sp31a1	chr4	+	1216.1	62398508	chr4:62387867-62391769	51.27	0	1	48.82	0.05	1	51.12	1.31	0.97	45.15	16.48	0.73	19.22	30.98	0.38	43.64	15.94	0.73	0.99	0.813333333	0.376666667	2.22E-07	1.79E-06
ENSMUST000000102899.9	Med22	chr2	-	855.3	26908092	chr2:26905262-26908301	45.35	38.21	0.54	44.63	39.58	0.53	42.18	26.39	0.62	34.79	146.52	0.19	22.07	160.69	0.12	30.21	124.16	0.2	0.563333333	0.17	0.383333333	5.87E-10	7.40E-09
ENSMUST000000082419.1	mi-Nd6	chrM	-	468266.7	13791	chrM:13695-14070	1683.28	99.36	0.94	1671.24	43.39	0.97	1507.61	90.76	0.84	3706.23	2600.65	0.59	2198.51	4717	0.32	3768.73	2884.58	0.57	0.95	0.493333333	0	0	
ENSMUST000000179784.8	Emc1	chr4	+	1233.4	139375898	chr4:139375346-139376549	64.23	18.58	0.78	76.09	15	0.84	78.13	17.13	0.82	84.33	72.55	0.47	22.43	114.85	0.16	57.34	90.51	0.39	0.813333333	0.34	0.473333333	1.22E-12	2.38E-11
ENSMUST00000042096.14	Emc1	chr4	+	1233.4	139375898	chr4:139375346-139376549	64.23	18.58	0.78	76.09	15	0.84	78.13	17.13	0.82	84.33	72.55	0.47	22.43	114.85	0.16	57.34	90.51	0.39	0.813333333	0.34	0.473333333	1.22E-12	2.38E-11
ENSMUST000000108157.7	Znarb1	chr7	+	1375.7	132965006	chr7:132963733-132968391	48.25	1.47	0.97	49.94	0	1	48.07	0	1	93.3	47	0.66	54.53	188.9	0.22	96.44	60.07	0.62	0.99	0.5	0.49	1.88E-14	4.68E-13
ENSMUST00000015746.1	Aox2b	chr9	+	857.1	119433596	chr9:119433267-119434095	50.92	7.61	0.67	55.6	16.67	0.77	58.31	17.14	0.77	22.83	33.38	0.41	22.76	246.83	0.08	22.93	35.23	0.39	0.803333333	0.293333333	0.51	4.46E-16	1.64E-16

Supplemental Table 11: Genes with significant change in gene expression upon neuronal differentiation quantified with DESeq2. Adjusted P-value (padj) > 0.1.

Ensembl_gene_ID	Base_Mean	Log2_fold_change	P-value	Adjusted_P-value	Gene_name
ENSMUSG00000000628.10	5234.770973	-4.490757417	0	0	Hk2
ENSMUSG00000018411.17	24242.6539	10.30214394	0	0	Mapt
ENSMUSG00000019989.8	10947.79479	-6.798954135	0	0	Enpp3
ENSMUSG00000020297.10	12972.87083	6.928318042	0	0	Nsg2
ENSMUSG00000022425.16	8883.734859	-6.074737809	0	0	Enpp2
ENSMUSG00000024261.5	9919.902491	6.31491456	0	0	Syt4
ENSMUSG00000027478.15	25356.88652	-7.286021173	0	0	Dnmt3b
ENSMUSG00000029126.7	7994.768051	5.446266571	0	0	Nsg1
ENSMUSG00000031155.16	19895.79255	-6.104626749	0	0	Pim2
ENSMUSG00000032181.7	4796.080576	6.295037918	0	0	Scg3
ENSMUSG00000045991.18	10732.84649	7.930678873	0	0	Onecut2
ENSMUSG00000087166.9	9335.897391	-7.513325348	0	0	L1td1
ENSMUSG00000053897.15	4534.469509	-5.556556168	1.13E-307	2.37E-304	Slc39a8
ENSMUSG00000047261.9	15489.35248	6.755792742	7.81E-307	1.52E-303	Gap43
ENSMUSG00000025161.16	6982.077827	-7.412948592	1.89E-303	3.43E-300	Slc16a3
ENSMUSG00000062380.4	19911.02096	5.13610102	3.46E-302	5.89E-299	Tubb3
ENSMUSG000000033152.13	4644.871297	7.886908921	1.37E-292	2.20E-289	Podxl2
ENSMUSG00000027350.8	3448.909291	7.130580483	1.64E-292	2.48E-289	Chgb
ENSMUSG00000020684.14	2697.13318	5.411718692	4.15E-287	5.95E-284	Rasl10b
ENSMUSG00000031517.8	10114.78556	5.946554238	2.79E-279	3.80E-276	Gpm6a
ENSMUSG000000113275.1	8177.669103	4.037024233	6.98E-276	9.05E-273	RP24-485P.18.3
ENSMUSG00000021087.18	16957.14961	8.044802109	1.66E-275	2.05E-272	Rtn1
ENSMUSG00000058756.13	3501.873343	4.377610967	2.64E-266	3.12E-263	Thra
ENSMUSG00000024406.16	24692.29849	-6.686018415	1.09E-263	1.24E-260	Pou5f1
ENSMUSG00000042834.14	15385.58837	4.853806102	1.82E-263	1.98E-260	Nrep
ENSMUSG00000047181.12	4142.679125	4.538243465	9.90E-261	1.04E-257	Samd14
ENSMUSG00000018378.13	2677.183776	5.793043004	1.02E-257	1.02E-254	Cuedc1
ENSMUSG000000032494.12	2485.418244	-6.793777336	2.72E-257	2.64E-254	Tdgf1
ENSMUSG00000037887.11	3994.586696	7.97510258	1.64E-256	1.54E-253	Dusp8
ENSMUSG00000032387.15	5365.530138	-5.665717867	8.16E-249	7.41E-246	Rbpms2
ENSMUSG00000027546.15	5729.299248	5.288235737	8.71E-247	7.66E-244	Atp9a
ENSMUSG000000027210.20	7747.294863	8.056362756	2.16E-245	1.84E-242	Meis2
ENSMUSG00000032118.16	3400.833218	6.199332151	3.95E-243	3.26E-240	Fez1
ENSMUSG000000020723.3	7577.062761	4.947764424	1.35E-242	1.08E-239	Cacng4
ENSMUSG000000061666.6	3369.631012	4.030868531	6.43E-238	5.01E-235	Gdpd1
ENSMUSG000000031144.15	5377.812325	5.906179384	5.39E-234	4.08E-231	Syp
ENSMUSG000000062444.14	2671.285118	7.485942078	6.28E-234	4.63E-231	Ap3b2
ENSMUSG00000021288.18	10478.6337	3.727051638	3.97E-231	2.84E-228	Klc1
ENSMUSG000000054793.8	4302.974256	4.528187636	2.36E-230	1.65E-227	Cadm4
ENSMUSG00000053192.9	9377.214332	4.884782654	5.19E-230	3.53E-227	Mllt11
ENSMUSG00000006651.8	9338.718768	5.213628947	9.95E-227	6.61E-224	Ap1p1
ENSMUSG00000048895.13	3557.273307	4.742917195	1.65E-223	1.07E-220	Cdk5r1
ENSMUSG00000029291.11	6865.838379	4.402436	5.49E-219	3.48E-216	Rufy3
ENSMUSG00000020160.18	3335.05505	8.082929113	8.60E-219	5.33E-216	Meis1
ENSMUSG00000022044.14	8157.528017	10.07773813	2.42E-217	1.47E-214	Stmn4
ENSMUSG00000071235.12	1589.992368	-6.501763021	3.86E-217	2.29E-214	Vrtn
ENSMUSG00000040037.13	2668.813219	7.048186487	1.99E-215	1.16E-212	Negr1
ENSMUSG00000036766.12	3963.260823	9.339056053	4.92E-208	2.79E-205	Dner
ENSMUSG00000023964.15	1519.888307	-6.98401898	2.08E-207	1.16E-204	Calcr
ENSMUSG00000048644.8	2090.545032	4.68311148	2.82E-205	1.54E-202	Ctnn1
ENSMUSG00000039419.17	3232.43004	3.76758192	4.13E-203	2.20E-200	Cntnap2
ENSMUSG00000024109.18	3481.192536	5.447828726	3.16E-200	1.66E-197	Nrxn1
ENSMUSG00000021700.10	3163.025708	9.334748353	6.85E-198	3.52E-195	Rab3c
ENSMUSG00000034330.10	1641.163576	-5.188338588	8.31E-197	4.19E-194	Plcg2
ENSMUSG00000089659.2	1328.77284	-6.329396236	8.98E-197	4.45E-194	AC141896.2
ENSMUSG00000035835.14	5515.20876	6.984799441	3.33E-195	1.62E-192	Plppr3
ENSMUSG00000039542.16	7693.640507	4.253676994	8.92E-195	4.26E-192	Ncam1
ENSMUSG00000050711.7	1707.235535	7.391722949	1.57E-194	7.36E-192	Scg2
ENSMUSG00000050473.5	1334.654639	-6.622646374	3.35E-192	1.55E-189	Slc35d3
ENSMUSG00000027547.17	2568.901578	-4.998278714	8.54E-191	3.88E-188	Sall4
ENSMUSG000000063446.4	1576.204303	7.086624969	1.24E-187	5.53E-185	Plppr1
ENSMUSG00000049336.16	2220.823391	5.894477066	1.45E-187	6.36E-185	Tenm2
ENSMUSG00000045136.6	53208.36466	4.291447255	3.24E-186	1.40E-183	Tubb2b
ENSMUSG00000082079.2	1529.142188	-7.788286442	1.07E-184	4.55E-182	RP23-244H7.1
ENSMUSG00000051257.3	1352.15706	-7.666228095	5.69E-182	2.39E-179	Trap1a
ENSMUSG00000008658.16	2228.337446	8.242292882	1.37E-181	5.67E-179	Rbfox1
ENSMUSG00000034910.5	1434.22221	6.257186406	7.64E-179	3.11E-176	Pygo1
ENSMUSG00000030077.11	5543.270947	8.936461438	8.34E-179	3.34E-176	Chl1
ENSMUSG00000024501.19	25568.79557	6.101786886	1.76E-178	6.95E-176	Dpysl3
ENSMUSG00000027499.12	6876.894408	4.335334548	9.31E-178	3.62E-175	Pkia
ENSMUSG00000079157.4	1294.542523	6.204212107	4.07E-176	1.56E-173	Fam155a
ENSMUSG00000032024.10	1902.164834	4.149914983	6.07E-174	2.30E-171	Clmp
ENSMUSG00000037605.16	1816.304852	4.211978854	7.18E-173	2.68E-170	Adgrl3
ENSMUSG00000041073.10	1750.814594	6.36651551	4.94E-172	1.82E-169	Nacadm
ENSMUSG00000033981.14	3073.277693	8.712253509	1.15E-171	4.17E-169	Gria2
ENSMUSG00000030500.6	2561.519375	5.948200881	2.94E-171	1.06E-168	Slc17a6
ENSMUSG00000058672.7	28228.45611	4.305719287	3.80E-171	1.34E-168	Tubb2a
ENSMUSG00000071470.4	1236.952768	-7.570685604	5.46E-171	1.91E-168	Ccnb1ip1
ENSMUSG00000031840.12	1804.158192	5.243991563	1.09E-170	3.75E-168	Rab3a
ENSMUSG000000042195.9	2835.480152	-4.681241724	1.45E-169	4.94E-167	Slc35f2

ENSMUSG00000029859.6	943.0743643	-6.020134698	6.93E-169	2.33E-166	Epha1
ENSMUSG00000031934.14	3486.454228	3.217465664	9.21E-169	3.06E-166	Panx1
ENSMUSG00000046447.3	3412.873672	6.079687476	1.61E-167	5.28E-165	Camk2n1
ENSMUSG00000004961.7	1023.556896	4.489798225	6.71E-167	2.17E-164	Syt5
ENSMUSG00000028546.17	3802.898298	5.133673139	9.83E-167	3.15E-164	Elavl4
ENSMUSG00000115505.1	1852.325416	-3.873301383	1.18E-166	3.75E-164	RP23-216H22.6
ENSMUSG00000036699.12	3304.218958	4.355721321	5.67E-166	1.78E-163	Zcchc12
ENSMUSG00000030519.14	3061.00342	4.791311143	1.97E-165	6.10E-163	Apba2
ENSMUSG000000050966.9	2300.46087	-4.909180989	5.09E-165	1.56E-162	Lin28a
ENSMUSG00000061353.11	1571.172936	-4.199910011	1.33E-163	4.04E-161	Cxcl12
ENSMUSG00000043388.8	3393.581951	4.716488432	3.56E-162	1.07E-159	Tmem130
ENSMUSG00000033209.17	1583.19435	4.489336501	1.02E-161	3.03E-159	Ttc28
ENSMUSG00000055799.13	2689.982297	-3.688661678	2.06E-161	6.03E-159	Tcf711
ENSMUSG00000023902.18	1188.621138	-6.805934668	2.75E-161	7.98E-159	Zscan10
ENSMUSG00000039114.16	1278.428004	7.183006218	3.61E-161	1.04E-158	Nrn1
ENSMUSG000000053580.16	4334.598323	3.899069057	5.69E-161	1.62E-158	Tanc2
ENSMUSG00000046982.10	1087.217004	4.727076948	1.37E-160	3.84E-158	Tshz1
ENSMUSG00000051323.16	1227.037169	4.294318942	9.92E-160	2.76E-157	Pcdh19
ENSMUSG00000019982.15	1027.161452	-4.291008275	1.97E-159	5.41E-157	Myb
ENSMUSG00000030117.5	872.9886648	-6.617392788	2.60E-159	7.08E-157	Gdf3
ENSMUSG00000006575.14	4404.40641	4.555785539	3.15E-159	8.51E-157	Rundc3a
ENSMUSG000000066392.11	1947.469032	8.533288049	3.52E-159	9.39E-157	Nrxn3
ENSMUSG00000051359.15	1101.366111	5.121422225	4.83E-159	1.28E-156	Ncald
ENSMUSG00000021848.16	5538.084611	-3.291364588	5.05E-157	1.32E-154	Otx2
ENSMUSG00000040258.6	2443.81975	9.250138172	5.50E-157	1.43E-154	Nxph4
ENSMUSG00000024798.15	1263.462731	-5.430375968	8.52E-157	2.19E-154	Htr7
ENSMUSG000000051354.14	1152.411997	6.745616007	1.85E-156	4.70E-154	Samd3
ENSMUSG00000039347.7	2424.861476	3.544952953	2.90E-156	7.31E-154	Atp6v0e2
ENSMUSG00000028173.10	6116.109638	3.319178249	9.13E-156	2.28E-153	Wls
ENSMUSG00000019986.17	3009.438994	3.854398897	1.59E-155	3.93E-153	Ahi1
ENSMUSG00000008999.7	958.3847305	6.173624459	2.91E-155	7.14E-153	Bmp7
ENSMUSG00000037126.16	1141.451077	6.338849378	1.18E-154	2.88E-152	Psd
ENSMUSG00000030209.14	1631.212116	5.63457324	7.92E-154	1.91E-151	Grin2b
ENSMUSG00000024998.17	3693.143086	-5.058379695	8.72E-153	2.08E-150	Plice1
ENSMUSG000000021048.7	6856.536391	-3.381231643	2.83E-152	6.71E-150	Mthfd1
ENSMUSG00000022564.7	3684.606561	3.216919487	5.85E-152	1.37E-149	Grina
ENSMUSG00000012396.12	832.644779	-5.498031602	9.19E-152	2.14E-149	Nanog
ENSMUSG000000027438.14	2339.470585	3.926119306	1.09E-151	2.53E-149	Napb
ENSMUSG00000052364.4	1398.69358	5.810343056	1.44E-151	3.29E-149	RP23-245M18.4
ENSMUSG00000015094.16	3398.048944	3.647281157	2.54E-151	5.76E-149	Npdc1
ENSMUSG00000021701.8	1112.503751	5.702778468	7.07E-151	1.59E-148	Plk2
ENSMUSG000000025478.15	3207.770607	4.613392812	2.52E-150	5.62E-148	Dpysl4
ENSMUSG00000031428.11	5296.078044	3.662902985	9.76E-150	2.16E-147	Zcchc18
ENSMUSG00000022505.9	1052.662319	-4.323550634	1.72E-149	3.77E-147	Emp2
ENSMUSG000000026426.10	2864.024719	3.470175173	2.73E-148	5.95E-146	Arl8a
ENSMUSG000000078249.5	23219.23497	-3.051810326	4.82E-148	1.04E-145	Hmga1-rs1
ENSMUSG00000046607.6	1127.088849	5.059682817	4.93E-148	1.06E-145	Hrk
ENSMUSG00000005892.4	1335.517512	-6.846553075	1.06E-147	2.25E-145	Trh
ENSMUSG00000010048.10	1709.285045	-3.578583729	1.17E-147	2.47E-145	lfrd2
ENSMUSG00000028527.18	2418.887923	-3.275790191	4.81E-147	1.01E-144	Ak4
ENSMUSG00000030905.5	876.7880381	-4.176460086	1.10E-146	2.28E-144	Crym
ENSMUSG00000037032.16	4772.933026	3.044629303	1.45E-146	2.98E-144	Apbb1
ENSMUSG000000025855.13	1147.817165	6.542945756	2.52E-146	5.17E-144	Prkr1b
ENSMUSG00000024251.9	5745.334981	-3.450829743	3.79E-146	7.71E-144	Thada
ENSMUSG00000006930.15	10509.24957	3.763408638	4.25E-146	8.58E-144	Hap1
ENSMUSG00000029245.16	1592.54359	4.436933424	1.48E-145	2.96E-143	Epha5
ENSMUSG000000027273.13	3012.221591	5.094812065	2.73E-145	5.42E-143	Snap25
ENSMUSG00000036078.16	5392.274446	-2.733601894	6.19E-145	1.22E-142	Sigmar1
ENSMUSG00000054702.14	1272.487497	-3.591144812	1.58E-144	3.09E-142	Ap1s3
ENSMUSG000000049281.16	3711.30387	8.076457768	2.69E-144	5.24E-142	Scn3b
ENSMUSG00000025237.16	2922.35774	3.070312061	3.43E-144	6.63E-142	Parp6
ENSMUSG00000026751.14	769.4298117	-6.440271031	3.46E-144	6.63E-142	Nr5a1
ENSMUSG00000079037.9	4388.825924	4.090343048	1.05E-142	2.01E-140	Prnp
ENSMUSG00000009394.13	1438.475738	7.478051383	1.91E-142	3.62E-140	Syn2
ENSMUSG00000030350.8	1930.854109	3.76190042	1.29E-141	2.43E-139	Prmt8
ENSMUSG00000017943.15	2244.94141	4.364381693	1.50E-141	2.80E-139	Gdap111
ENSMUSG00000039197.10	2734.613877	-3.223180234	2.52E-141	4.68E-139	Adk
ENSMUSG00000002129.8	1244.290429	-3.988961454	3.23E-140	5.98E-138	Rassf4
ENSMUSG00000038486.9	3253.599808	3.61396544	8.09E-140	1.48E-137	Sv2a
ENSMUSG00000021892.14	1644.792151	4.897762723	6.13E-139	1.11E-136	Sh3bp5
ENSMUSG00000031654.16	1118.205827	5.504886904	6.31E-139	1.14E-136	Cbln1
ENSMUSG00000067261.4	879.5889652	-7.188707878	1.39E-138	2.50E-136	Foxd3
ENSMUSG00000025576.17	1482.342061	5.343560834	1.71E-138	3.05E-136	Rbfox3
ENSMUSG00000042109.8	1598.23727	5.638670653	3.16E-138	5.59E-136	Csd2
ENSMUSG000000022054.11	10374.2139	3.177184091	3.47E-138	6.11E-136	Nefm
ENSMUSG00000038932.13	1396.461401	-3.337955281	5.54E-138	9.67E-136	Tcf5
ENSMUSG00000000184.12	6272.064089	3.385638789	1.97E-137	3.42E-135	Ccnd2
ENSMUSG000000075318.12	1470.319968	4.483767082	3.51E-137	6.05E-135	Scn2a1
ENSMUSG000000029819.6	702.0851056	-4.561549581	6.61E-137	1.13E-134	Npy
ENSMUSG00000032020.15	1143.770574	3.955906718	1.06E-136	1.80E-134	Ubash3b
ENSMUSG000000025854.15	1050.352465	3.856357005	1.36E-136	2.30E-134	Fam20c
ENSMUSG00000047547.14	2448.630788	4.632929101	1.09E-135	1.83E-133	Cltb
ENSMUSG00000031734.13	678.7676535	5.994519605	1.34E-135	2.24E-133	Irx3

ENSMUSG00000027584.16	1425.492389	3.764553927	2.47E-135	4.10E-133	Opr1
ENSMUSG00000021991.9	3097.749893	9.591105735	3.08E-135	5.08E-133	Cacna2d3
ENSMUSG00000024268.16	6798.694055	4.479855167	4.74E-135	7.77E-133	Celf4
ENSMUSG00000029648.13	648.2396118	-4.513586112	5.66E-135	9.23E-133	Flt1
ENSMUSG000000047751.9	3955.293202	-8.341469338	1.24E-134	2.01E-132	Utf1
ENSMUSG00000049100.15	2073.476605	6.254589116	6.81E-134	1.10E-131	Pcdh10
ENSMUSG00000083836.1	2056.51811	-4.322959589	7.89E-134	1.26E-131	Ldha-ps2
ENSMUSG00000027168.21	648.7368101	5.487577374	1.36E-133	2.17E-131	Pax6
ENSMUSG00000047085.14	2185.170667	4.584787805	2.34E-133	3.71E-131	Lrrc4b
ENSMUSG00000026109.14	976.9817138	5.901585703	3.27E-133	5.15E-131	Tmeff2
ENSMUSG00000021262.15	6693.022923	2.761715912	4.56E-133	7.14E-131	Evl
ENSMUSG00000047591.5	743.0968937	-5.367549536	2.92E-132	4.55E-130	Mafa
ENSMUSG00000055447.19	1675.070788	3.340726153	3.02E-132	4.67E-130	Cd47
ENSMUSG00000022661.14	925.251425	7.235374929	3.55E-132	5.47E-130	Cd200
ENSMUSG00000003410.8	9724.546176	3.959205233	8.34E-132	1.28E-129	Elavl3
ENSMUSG000000055733.6	1663.987646	4.034921578	1.25E-130	1.90E-128	Nap1l3
ENSMUSG00000034336.3	11742.65651	4.515102334	1.66E-130	2.51E-128	Ina
ENSMUSG00000031285.14	27463.90535	7.674219708	1.68E-130	2.53E-128	Dcx
ENSMUSG00000030223.14	2825.109354	6.748316335	5.91E-130	8.84E-128	Ptpro
ENSMUSG00000027309.18	2891.714632	3.761107302	9.50E-130	1.41E-127	RP23-175J8.3
ENSMUSG00000042686.5	1641.947803	-4.572964312	1.12E-129	1.65E-127	Jph1
ENSMUSG00000034488.14	1910.123149	5.227776266	3.06E-129	4.51E-127	Edil3
ENSMUSG00000029651.16	671.2371482	5.614812191	3.28E-129	4.80E-127	Mtus2
ENSMUSG00000048349.9	1187.614925	6.481135876	7.49E-129	1.09E-126	Pou4f1
ENSMUSG00000020230.15	2370.731707	3.3797058	7.90E-129	1.15E-126	Prmt2
ENSMUSG00000064115.13	976.3926714	7.356624056	1.26E-128	1.82E-126	Cadm2
ENSMUSG00000020894.16	5993.832744	3.461556669	1.33E-128	1.90E-126	Vamp2
ENSMUSG00000039601.16	1718.560473	5.429366623	2.31E-128	3.29E-126	Rcan2
ENSMUSG00000038172.14	2440.827575	-4.889034694	2.56E-128	3.63E-126	Ttc39b
ENSMUSG00000050953.10	13739.36038	-2.595829838	9.60E-128	1.36E-125	Gja1
ENSMUSG00000039037.5	1112.256908	7.590952595	3.68E-127	5.17E-125	St6galnac5
ENSMUSG00000044528.5	1085.972965	3.78762233	5.50E-127	7.68E-125	Tram1l1
ENSMUSG00000044629.5	2280.97516	2.955664239	8.16E-127	1.13E-124	Cnrip1
ENSMUSG00000026430.16	538.9512594	-5.455330823	1.56E-126	2.16E-124	Rassf5
ENSMUSG00000024500.18	1169.379386	7.146759641	7.18E-126	9.88E-124	Ppp2r2b
ENSMUSG00000029166.14	1098.155566	5.523519172	9.37E-126	1.28E-123	Mapre3
ENSMUSG00000021301.9	1570.735134	4.092117757	6.44E-125	8.77E-123	Hecw1
ENSMUSG00000031246.14	24680.68891	2.466086794	7.15E-125	9.70E-123	Sh3bgrl
ENSMUSG00000000958.10	1360.015798	-3.589004364	8.63E-125	1.16E-122	Slc7a7
ENSMUSG00000021047.7	4531.16246	3.350778878	1.13E-124	1.52E-122	Nova1
ENSMUSG00000047228.9	764.9310536	-7.413009138	1.24E-123	1.66E-121	RP23-214M22.3
ENSMUSG00000019487.11	1309.174981	-3.019838063	2.28E-123	3.04E-121	Trip10
ENSMUSG00000013415.9	15727.40276	-2.701867734	9.15E-123	1.21E-120	Igf2bp1
ENSMUSG00000039913.12	816.9794132	5.255387765	1.01E-122	1.34E-120	Pak7
ENSMUSG00000070802.5	2485.557134	5.326599981	1.35E-122	1.77E-120	Pnmal2
ENSMUSG00000018012.11	1996.510975	1996.510975	7.04E-122	9.18E-120	Rac3
ENSMUSG00000021194.6	1980.074994	3.932530512	1.34E-121	1.74E-119	Chga
ENSMUSG00000024873.6	1712.836014	4.450712814	2.02E-121	2.61E-119	Cnih2
ENSMUSG00000024245.4	719.7954474	5.272105057	3.75E-121	4.81E-119	Tmem178
ENSMUSG00000038370.6	1163.586974	7.690499994	5.21E-121	6.66E-119	Pcp4l1
ENSMUSG00000059857.15	601.7062034	5.897204558	5.32E-121	6.78E-119	Ntng1
ENSMUSG00000019124.10	3088.197679	3.973933166	5.98E-121	7.58E-119	Scrn1
ENSMUSG00000038526.14	2786.617365	-2.663295055	6.48E-121	8.18E-119	Car14
ENSMUSG00000029595.9	966.4902349	6.193219213	9.32E-121	1.17E-118	Lhx5
ENSMUSG00000034189.5	2361.515761	3.066300741	1.50E-120	1.87E-118	Hsdl1
ENSMUSG00000028645.11	9639.50541	-2.752962887	1.59E-120	1.98E-118	Slc2a1
ENSMUSG00000022419.16	757.0095181	-4.073015485	1.92E-120	2.38E-118	Deptor
ENSMUSG00000036030.9	4215.019445	-3.396936558	2.64E-120	3.25E-118	Prtg
ENSMUSG00000022817.15	2425.765896	-3.016296525	2.84E-119	3.49E-117	Itgbb5
ENSMUSG00000029765.12	1774.969011	7.134245067	3.99E-119	4.87E-117	Plxna4
ENSMUSG00000005873.5	5814.461788	2.971195758	4.97E-119	6.05E-117	Reep5
ENSMUSG00000067787.10	4765.311187	3.502318628	5.86E-119	7.10E-117	Bcap
ENSMUSG00000028496.17	2007.915687	3.183332983	6.17E-119	7.44E-117	Mllt3
ENSMUSG00000015981.12	774.005894	5.357394996	8.98E-119	1.07E-116	Stk32c
ENSMUSG00000025867.8	1807.595684	3.219838947	8.98E-119	1.07E-116	Cplx2
ENSMUSG00000059974.10	2384.164908	6.612285609	2.67E-118	3.17E-116	Ntm
ENSMUSG00000094910.1	3665.98622	5.241052747	4.46E-117	5.29E-115	RP23-158M23.2
ENSMUSG00000036295.5	1150.588837	5.16721306	1.68E-116	1.98E-114	Lrrn3
ENSMUSG00000032172.8	927.9904429	5.439922055	7.59E-116	8.91E-114	Olfm2
ENSMUSG00000067925.4	3517.265733	3.536598392	1.30E-115	1.52E-113	Cxx1a
ENSMUSG000000055202.10	3406.943112	3.941484157	1.65E-115	1.92E-113	Zfp811
ENSMUSG00000032482.9	978.4825508	5.790890353	3.78E-115	4.39E-113	Cspg5
ENSMUSG00000041220.10	11182.29006	-2.56603469	7.26E-115	8.38E-113	Elovl6
ENSMUSG00000022055.7	12173.40016	3.725412228	9.64E-115	1.11E-112	Nefl
ENSMUSG00000039081.10	1209.726784	7.946302722	2.18E-114	2.49E-112	Zfp503
ENSMUSG00000056413.16	951.8561278	5.757833248	2.24E-114	2.56E-112	Adap1
ENSMUSG00000033419.15	2594.544289	4.747714483	5.59E-114	6.35E-112	Snap91
ENSMUSG00000024270.11	5166.62829	2.615635717	9.02E-114	1.02E-111	Slc39a6
ENSMUSG00000000605.9	4697.570246	2.597005334	3.28E-113	3.69E-111	Cln4
ENSMUSG00000051515.9	502.0192603	4.781113405	4.51E-113	5.06E-111	Fam181b
ENSMUSG00000001323.17	1027.560378	4.255852825	8.19E-113	9.15E-111	Srr
ENSMUSG00000029838.11	5834.070854	4.86115452	8.84E-113	9.83E-111	Ptn
ENSMUSG00000052981.6	1597.537781	3.777036178	9.63E-113	1.07E-110	Ube2q1l

ENSMUSG00000014907.10	1906.623326	-3.199798259	1.30E-112	1.43E-110	Naf1
ENSMUSG00000007207.10	1030.717524	3.846864388	1.44E-112	1.59E-110	Stx1a
ENSMUSG000000041420.18	1336.896722	3.058509731	1.74E-112	1.90E-110	Meis3
ENSMUSG000000022577.17	3847.89562	6.583736821	2.43E-112	2.65E-110	Ly6h
ENSMUSG000000022176.11	1045.69609	3.206705375	2.72E-112	2.96E-110	Rem2
ENSMUSG00000070695.4	776.595629	5.013566633	2.76E-112	2.99E-110	Cntnap5a
ENSMUSG00000020704.13	1270.155414	6.352691139	5.22E-112	5.62E-110	Asic2
ENSMUSG00000029875.5	873.7911859	7.822583466	8.15E-112	8.74E-110	Ccdc184
ENSMUSG000000025777.8	1863.709646	6.399121949	5.58E-111	5.96E-109	Gdap1
ENSMUSG00000034614.14	956.1644681	3.477503638	5.79E-111	6.16E-109	Pik3ip1
ENSMUSG000000038605.11	1297.611112	3.825491497	6.53E-111	6.92E-109	Samd10
ENSMUSG00000032265.14	2620.663788	-2.85330263	7.77E-111	8.20E-109	Fam46a
ENSMUSG00000030854.17	1072.535059	5.799199342	1.12E-110	1.18E-108	Ptpn5
ENSMUSG00000038539.15	2479.588602	3.768657759	1.30E-110	1.36E-108	Atf5
ENSMUSG000000027581.12	8485.372249	6.935970754	2.73E-110	2.85E-108	Stmn3
ENSMUSG000000067924.4	3369.790315	3.494145097	3.11E-110	3.24E-108	Cxx1b
ENSMUSG00000030683.11	3653.245141	5.252593806	3.92E-110	4.06E-108	Sez6l2
ENSMUSG00000075394.4	531.6452882	6.123910237	7.03E-110	7.25E-108	Hoxc4
ENSMUSG00000045817.8	3046.066234	-3.731627802	1.26E-109	1.30E-107	Zfp36l2
ENSMUSG000000027419.9	1091.413547	6.605574656	1.29E-109	1.32E-107	Pcsk2
ENSMUSG00000024381.15	3011.02036	2.694678678	2.06E-109	2.10E-107	Bin1
ENSMUSG000000112825.1	30689.10788	-2.534577098	5.77E-109	5.86E-107	RP23-184H3.5
ENSMUSG00000000303.12	2185.756892	-4.391278592	8.31E-109	8.42E-107	Cdh1
ENSMUSG000000030110.13	2810.784752	7.409462364	1.28E-108	1.30E-106	Ret
ENSMUSG00000028222.2	1144.118896	8.585935849	1.51E-108	1.52E-106	Calb1
ENSMUSG00000016382.15	8564.185224	-2.830322809	1.94E-108	1.94E-106	Pls3
ENSMUSG000000059316.2	2962.586506	3.012966145	2.01E-107	2.00E-105	Slc27a4
ENSMUSG00000046711.16	17260.91768	-2.954726871	2.47E-107	2.45E-105	Hmga1
ENSMUSG00000042873.11	5087.121503	3.651494174	2.69E-107	2.66E-105	Lhfp4
ENSMUSG00000079042.10	439.0350386	-5.117089782	3.57E-107	3.53E-105	Apela
ENSMUSG000000031073.6	1088.426787	-3.41227789	5.48E-107	5.39E-105	Fgf15
ENSMUSG00000022636.13	720.3759368	4.041209812	6.02E-107	5.90E-105	Alcam
ENSMUSG000000081865.1	8956.303287	-2.532065697	6.30E-107	6.15E-105	AC166747.3
ENSMUSG000000026600.12	10904.24924	-3.328509247	7.16E-107	6.96E-105	Soat1
ENSMUSG000000050822.11	1779.102476	3.350691039	1.56E-106	1.52E-104	Slc29a4
ENSMUSG000000041703.7	1745.838397	-3.155939399	2.56E-106	2.48E-104	Zic5
ENSMUSG000000051703.14	617.9052224	4.808405634	4.48E-106	4.32E-104	Tmem198
ENSMUSG000000063063.12	3526.548262	5.155861028	8.09E-106	7.76E-104	Ctnna2
ENSMUSG00000001542.7	2073.957037	-3.074752998	3.65E-105	3.49E-103	Eil2
ENSMUSG00000010751.15	800.1477127	-3.494841638	5.98E-105	5.70E-103	Tnfrsf22
ENSMUSG000000066477.13	1114.431832	4.781028029	7.61E-105	7.22E-103	RP23-157H17.2
ENSMUSG000000054728.16	1596.443772	2.95105184	1.00E-104	9.48E-103	Phactr1
ENSMUSG00000073910.10	695.9829833	-3.526928606	1.05E-104	9.89E-103	Mob3b
ENSMUSG000000041057.9	7673.080863	-2.425617566	1.31E-104	1.23E-102	Wdr43
ENSMUSG000000031785.16	2000.805156	4.279083103	2.54E-104	2.38E-102	Adgrg1
ENSMUSG000000024039.14	396.3437377	-4.70274309	5.27E-104	4.92E-102	Cbs
ENSMUSG00000020534.14	4550.24775	-2.578969653	6.80E-104	6.32E-102	Shmt1
ENSMUSG00000039485.8	5014.632909	4.715278043	6.83E-104	6.33E-102	Tspsyl4
ENSMUSG000000027833.16	458.3831687	5.258481459	7.54E-104	6.96E-102	Shox2
ENSMUSG000000100252.6	1177.654593	3.773728308	1.04E-103	9.60E-102	Mir124-2hg
ENSMUSG000000037428.14	648.105532	4.807979475	1.35E-103	1.24E-101	Vgf
ENSMUSG000000043629.12	1514.173788	-5.29260148	2.35E-103	2.14E-101	AC129337.1
ENSMUSG000000030806.6	2245.153444	4.324154118	3.52E-103	3.21E-101	Stx1b
ENSMUSG000000028137.9	1960.167177	6.180426734	3.97E-103	3.61E-101	Celf3
ENSMUSG000000033022.7	476.0812518	4.443047582	4.00E-103	3.62E-101	Cdo1
ENSMUSG000000043419.11	1650.993486	3.999068591	4.49E-103	4.05E-101	Chd3os
ENSMUSG000000072875.2	2310.757978	3.743899319	5.06E-103	4.55E-101	Gpr27
ENSMUSG000000030074.9	614.4341755	4.210868313	6.95E-103	6.22E-101	Gxylt2
ENSMUSG000000037235.13	1316.408443	3.045359494	8.75E-103	7.82E-101	Mxd4
ENSMUSG000000054162.15	934.9366635	5.1956048	9.61E-103	8.55E-101	Spock3
ENSMUSG00000000782.15	2178.207562	-2.974223068	1.50E-102	1.33E-100	Tcf7
ENSMUSG000000052504.7	570.5829262	6.132856139	2.34E-102	2.07E-100	Epha3
ENSMUSG00000013089.15	4604.445122	-3.225439248	3.26E-102	2.88E-100	Etv5
ENSMUSG000000024425.3	5487.70164	3.283574734	5.76E-102	5.06E-100	Ndfip1
ENSMUSG000000040591.18	1321.709801	2.975546837	6.46E-102	5.66E-100	RP23-42N14.3
ENSMUSG000000035033.15	1260.79722	7.59947916	9.36E-102	8.17E-100	Tbr1
ENSMUSG000000034586.14	1659.817155	3.870222579	1.28E-101	1.11E-99	Hid1
ENSMUSG000000043391.10	1434.084734	8.912893171	2.11E-101	1.83E-99	RP23-245B21.4
ENSMUSG000000045589.7	760.1711197	3.301643034	3.07E-101	2.66E-99	Frrs11
ENSMUSG00000011877.1	16581.06113	-2.542166923	4.10E-101	3.53E-99	RP24-389J11.1
ENSMUSG000000057777.4	1563.056315	7.759266051	5.13E-101	4.41E-99	Mab21l2
ENSMUSG000000025370.7	496.7018569	-5.488296828	5.31E-101	4.54E-99	Cdh9
ENSMUSG000000049191.12	1779.874471	7.134199871	7.87E-101	6.72E-99	Rgag4
ENSMUSG000000040610.7	530.1027057	5.341698291	2.02E-100	1.72E-98	Tlx3
ENSMUSG000000052852.8	5481.877807	5.224516922	3.13E-100	2.66E-98	Reep1
ENSMUSG000000038576.15	1678.693284	4.718772693	3.26E-100	2.76E-98	Susd4
ENSMUSG000000020436.17	1377.120739	8.858199141	3.47E-100	2.93E-98	Gabrg2
ENSMUSG000000027223.15	4396.60438	2.310691471	5.31E-100	4.46E-98	Mapk8ip1
ENSMUSG000000028089.5	937.9522095	-3.112111682	6.36E-100	5.33E-98	Chd11
ENSMUSG000000036972.14	625.4102807	6.32218272	6.96E-100	5.81E-98	Zic4
ENSMUSG000000033737.14	2244.85388	-4.989250567	7.29E-100	6.07E-98	Fndc3c1
ENSMUSG000000039405.7	881.5888766	3.270220475	7.35E-100	6.11E-98	Prss23
ENSMUSG000000038112.15	3690.602342	5.570366606	9.90E-100	8.20E-98	RP23-159L13.1

ENSMUSG00000050010.8	392.9051518	-5.061779285	1.95E-99	1.61E-97	Shisa3
ENSMUSG00000021259.5	490.4350635	5.079473989	3.31E-99	2.72E-97	Cyp46a1
ENSMUSG00000040650.8	628.0810794	-7.603364907	9.86E-99	8.09E-97	Cyp2b23
ENSMUSG00000028970.9	495.1528308	-4.224639851	1.05E-98	8.55E-97	Abcb1b
ENSMUSG000000047139.9	15781.53493	2.55983275	1.37E-98	1.11E-96	Cd24a
ENSMUSG00000031284.16	6303.128423	2.707932289	1.82E-98	1.48E-96	Pak3
ENSMUSG00000061689.15	3563.832409	2.414173456	2.96E-98	2.40E-96	Dlgap4
ENSMUSG00000096847.1	1023.567404	3.415423584	5.23E-98	4.23E-96	Tmem151b
ENSMUSG000000040009.6	1592.761473	4.112399373	6.04E-98	4.87E-96	Gnaz
ENSMUSG00000000753.15	541.2946471	4.851722002	7.13E-98	5.73E-96	Serpinf1
ENSMUSG00000064193.8	45791.7404	-2.428581332	1.28E-97	1.03E-95	RP24-364O14.1
ENSMUSG00000031586.17	2840.701496	-3.177256119	1.39E-97	1.11E-95	Rbpms
ENSMUSG00000071604.4	426.1983835	5.107836407	2.12E-97	1.69E-95	Fam189a2
ENSMUSG00000061911.15	1526.496615	4.803355202	2.20E-97	1.75E-95	Myt1l
ENSMUSG00000032849.14	1570.038661	-3.678590138	2.71E-97	2.14E-95	Abcc4
ENSMUSG000000019230.14	1056.159929	7.118979384	3.74E-97	2.95E-95	Lhx9
ENSMUSG00000023903.7	521.9276378	-6.559881326	4.45E-97	3.51E-95	Mmp25
ENSMUSG00000022773.18	1569.869293	2.904983279	6.24E-97	4.90E-95	Ypel1
ENSMUSG00000038065.13	2981.307897	4.996991157	7.39E-97	5.78E-95	Mturn
ENSMUSG00000025742.5	10245.23244	-3.385648782	1.67E-96	1.30E-94	Prps2
ENSMUSG00000030031.14	1843.484722	-3.183636058	2.49E-96	1.94E-94	Kbtbd8
ENSMUSG00000023022.14	1775.384069	-4.160901969	5.25E-96	4.08E-94	Lima1
ENSMUSG00000027805.16	8648.280319	2.743178265	5.56E-96	4.31E-94	Pfn2
ENSMUSG00000039860.19	886.6087408	4.294938609	6.08E-96	4.69E-94	Srrm3
ENSMUSG00000017491.9	497.0306234	5.335604899	6.21E-96	4.78E-94	Rarb
ENSMUSG00000040972.8	559.7330198	4.985405526	7.20E-96	5.53E-94	Igsf21
ENSMUSG00000003411.10	720.9381556	3.72868432	7.78E-96	5.96E-94	Rab3b
ENSMUSG00000095834.2	651.8032069	-7.298657255	8.88E-96	6.78E-94	RP24-334F11.3
ENSMUSG00000021359.16	1301.560045	7.338450388	1.57E-95	1.19E-93	Tfap2a
ENSMUSG00000018589.8	623.2973127	3.840412493	2.09E-95	1.59E-93	Gfra2
ENSMUSG000000005060.9	1023.45998	5.716733639	4.21E-95	3.18E-93	Gabra2
ENSMUSG00000032036.15	510.0060435	5.502830294	1.05E-94	7.94E-93	Kirrel3
ENSMUSG00000053411.16	2178.157926	-4.26912368	1.15E-94	8.66E-93	Cbx7
ENSMUSG000000035184.15	410.5871381	4.849572238	1.22E-94	9.16E-93	Fam124a
ENSMUSG000000031841.19	599.7698526	4.947441339	2.06E-94	1.54E-92	Cdh13
ENSMUSG00000036564.17	3414.943927	3.88891169	2.81E-94	2.09E-92	Ndrg4
ENSMUSG00000026443.3	940.5223953	5.546005246	3.83E-94	2.85E-92	Lrrn2
ENSMUSG00000036273.15	590.8749426	-3.96860075	5.01E-94	3.72E-92	Lrrk2
ENSMUSG00000022464.14	6079.64183	-4.121941476	5.97E-94	4.42E-92	Slc38a4
ENSMUSG00000032291.8	5770.486375	6.821993009	9.11E-94	6.72E-92	Crabp1
ENSMUSG00000022965.8	942.4259372	3.274318206	1.56E-93	1.15E-91	Ifngr2
ENSMUSG00000050821.14	707.8489818	3.866455483	2.00E-93	1.47E-91	Fam131a
ENSMUSG00000037852.8	16784.02648	2.948471317	2.25E-93	1.65E-91	Cpe
ENSMUSG00000027500.10	16974.15045	3.05875433	2.53E-93	1.85E-91	Stmn2
ENSMUSG00000032470.17	723.6866827	6.070027042	2.89E-93	2.11E-91	Mras
ENSMUSG00000043670.4	546.4779731	6.902998699	3.23E-93	2.34E-91	Diras1
ENSMUSG00000010086.17	1823.166953	4.909328745	4.17E-93	3.02E-91	Rnf112
ENSMUSG00000021595.18	10764.14967	-2.156054115	4.30E-93	3.11E-91	Nsun2
ENSMUSG000000044117.12	2078.113273	2.400907263	5.36E-93	3.87E-91	RP23-231E23.4
ENSMUSG00000037822.12	2136.325691	3.260675016	6.58E-93	4.73E-91	Smim14
ENSMUSG00000028756.12	3640.25544	3.928119286	7.44E-93	5.33E-91	Pink1
ENSMUSG00000054423.14	2683.953563	6.716099983	1.85E-92	1.33E-90	Cadps
ENSMUSG00000025592.17	897.5277267	3.930583843	4.46E-92	3.18E-90	Dach2
ENSMUSG00000095766.2	406.4408913	-6.1876562	1.76E-91	1.25E-89	RP23-152N9.1
ENSMUSG00000030000.10	3223.369402	5.231049359	2.29E-91	1.63E-89	Add2
ENSMUSG00000059422.5	1271.02733	-2.493003433	2.75E-91	1.95E-89	RP24-70H20.2
ENSMUSG000000035834.11	1499.828349	-2.852430506	4.86E-91	3.43E-89	Polr3g
ENSMUSG00000023236.7	4429.195235	4.861817313	5.89E-91	4.15E-89	Scg5
ENSMUSG00000026234.12	75266.94705	-2.243540116	8.35E-91	5.86E-89	Ncl
ENSMUSG000000040785.19	21579.28578	2.447201674	1.20E-90	8.39E-89	Ttc3
ENSMUSG00000033585.5	13597.17322	3.455256521	1.27E-90	8.87E-89	Ndn
ENSMUSG00000114687.1	1679.066852	-4.155339411	1.31E-90	9.15E-89	RP23-392G15.3
ENSMUSG00000032192.9	1271.756194	2.627846983	1.45E-90	1.01E-88	Gnb5
ENSMUSG00000025056.4	387.2830017	-4.979389526	1.94E-90	1.34E-88	Nr0b1
ENSMUSG00000020075.8	19254.7982	-3.094343191	1.96E-90	1.36E-88	Ddx21
ENSMUSG00000039086.9	1707.847212	3.400751483	2.67E-90	1.84E-88	Ss181l
ENSMUSG00000048538.7	4002.224481	-2.43413433	2.89E-90	1.99E-88	RP23-278C19.3
ENSMUSG000000034912.17	472.3368508	4.629541776	5.24E-90	3.60E-88	Mdga2
ENSMUSG00000019590.16	1078.212065	3.084948896	6.00E-90	4.11E-88	Cyb561
ENSMUSG00000028599.10	511.480176	-3.526126833	1.25E-89	8.55E-88	Tnfrsf1b
ENSMUSG000000016150.15	1107.247543	7.671542786	1.53E-89	1.04E-87	Tenm1
ENSMUSG00000031824.15	1373.233398	6.397860429	1.75E-89	1.19E-87	AC163442.1
ENSMUSG000000050908.12	910.3689042	3.95144648	1.03E-88	7.01E-87	Tvp23a
ENSMUSG00000030662.10	12545.78741	-2.192459071	1.09E-88	7.40E-87	Ipo5
ENSMUSG00000047907.11	685.074182	5.696659533	1.24E-88	8.34E-87	Tshz2
ENSMUSG00000089862.8	487.8253131	4.136619363	1.54E-88	1.04E-86	Umad1
ENSMUSG00000029121.16	17591.83187	2.853776306	3.65E-88	2.45E-86	Crmp1
ENSMUSG00000030695.16	20569.67229	-2.52157784	7.92E-88	5.30E-86	Aldoa
ENSMUSG000000067878.13	644.6392135	-3.861594342	7.95E-88	5.31E-86	Map7d3
ENSMUSG00000040354.14	8687.597289	-2.069390528	8.10E-88	5.40E-86	Mars
ENSMUSG00000032599.12	3465.80275	2.392015187	8.28E-88	5.50E-86	Ip6k2
ENSMUSG00000022724.15	1546.324159	-2.474858304	1.04E-87	6.91E-86	Riox2
ENSMUSG00000039533.8	411.5148973	4.625062914	1.08E-87	7.12E-86	Mmd2

ENSMUSG00000051098.6	647.9085193	4.252923093	1.26E-87	8.30E-86	Mblac2
ENSMUSG00000055612.15	3550.519061	-2.402485243	1.57E-87	1.04E-85	Cdca7
ENSMUSG00000027423.15	14217.16605	-2.190103732	1.71E-87	1.13E-85	Snx5
ENSMUSG00000078851.4	782.8321789	5.48662395	1.80E-87	1.18E-85	Hist3h2a
ENSMUSG00000031217.8	876.212664	3.724470423	1.93E-87	1.26E-85	Efnb1
ENSMUSG00000041141.7	1020.672906	3.8503431	2.68E-87	1.75E-85	Pnmal1
ENSMUSG00000079008.2	397.3438069	-4.310011445	2.68E-87	1.75E-85	RP23-91K11.4
ENSMUSG00000031562.15	1401.718773	-2.840187576	3.80E-87	2.46E-85	Dctd
ENSMUSG00000045751.4	460.0703697	4.25499734	5.67E-87	3.67E-85	Pcdhb22
ENSMUSG00000048027.8	3388.059775	3.04253447	6.75E-87	4.36E-85	Rgmb
ENSMUSG00000084033.3	410.9778623	-6.091590985	8.18E-87	5.27E-85	RP23-401M24.5
ENSMUSG00000023960.13	1941.677479	4.298874456	9.78E-87	6.28E-85	Enpp5
ENSMUSG00000038388.14	4282.66116	-2.491257653	1.36E-86	8.72E-85	Mpp6
ENSMUSG00000057706.7	1280.402449	3.584569673	2.00E-86	1.28E-84	Mex3b
ENSMUSG00000059343.4	1275.342965	-2.717351223	2.05E-86	1.31E-84	Aldoat1
ENSMUSG00000022199.12	3141.209508	3.347859773	4.01E-86	2.55E-84	Slc22a17
ENSMUSG00000033900.13	3563.962749	2.305220445	4.47E-86	2.84E-84	Map9
ENSMUSG00000042846.8	478.0259853	4.984243048	5.66E-86	3.59E-84	Lrrtm3
ENSMUSG00000020601.8	3414.204997	3.625975382	8.67E-86	5.48E-84	Trib2
ENSMUSG00000045751.16	1842.28327	-2.278065735	1.16E-85	7.33E-84	Mms22l
ENSMUSG00000053552.14	364.5024974	4.268953194	1.21E-85	7.63E-84	Ebf4
ENSMUSG00000097769.7	1225.996894	-3.033149594	1.43E-85	8.97E-84	Snhg4
ENSMUSG00000025190.13	4649.59698	-2.119971545	1.52E-85	9.54E-84	Got1
ENSMUSG00000029802.13	2661.87902	-2.660188009	1.69E-85	1.05E-83	Abcg2
ENSMUSG00000046822.12	985.4020441	4.227459242	1.78E-85	1.11E-83	Slc39a3
ENSMUSG00000104913.1	25642.09944	-2.033396881	2.38E-85	1.48E-83	RP24-324L19.3
ENSMUSG00000085936.7	943.9590761	-4.470207126	2.54E-85	1.58E-83	RP23-143O13.1
ENSMUSG00000022962.15	11612.04983	-2.672030023	3.44E-85	2.13E-83	Gart
ENSMUSG00000022010.19	5440.536367	2.309531862	3.50E-85	2.16E-83	Tsc22d1
ENSMUSG00000027612.7	1367.214351	7.70717835	3.70E-85	2.28E-83	Mmp24
ENSMUSG00000032609.12	1635.74245	3.804743474	4.90E-85	3.01E-83	Klhdc8b
ENSMUSG00000055022.14	1260.100387	5.05807876	5.93E-85	3.64E-83	Cntn1
ENSMUSG00000025927.13	1578.54212	9.682979026	7.35E-85	4.50E-83	Tfap2b
ENSMUSG00000050875.11	1147.709778	9.219529336	8.66E-85	5.29E-83	AC132242.1
ENSMUSG00000020277.10	5403.743476	-2.29024986	9.45E-85	5.76E-83	Pfkl
ENSMUSG00000020483.14	14086.25147	2.370505419	1.29E-84	7.83E-83	Dynll2
ENSMUSG00000034833.10	394.6928912	-5.042997681	1.30E-84	7.92E-83	Tespa1
ENSMUSG00000031557.16	577.1725721	-2.948625594	1.51E-84	9.12E-83	Plekha2
ENSMUSG00000034755.18	769.6670442	3.011057723	1.87E-84	1.13E-82	Pcdh11x
ENSMUSG00000035863.14	4155.468792	2.338188529	2.50E-84	1.51E-82	Palm
ENSMUSG00000017466.9	3417.952117	3.379272	3.20E-84	1.92E-82	Timp2
ENSMUSG00000026585.13	5975.193531	2.056693906	4.69E-84	2.81E-82	Kifap3
ENSMUSG00000020692.14	2338.507769	-2.332933681	7.52E-84	4.50E-82	Nle1
ENSMUSG00000034098.14	1144.474357	8.867692587	8.63E-84	5.16E-82	Fstl5
ENSMUSG00000028766.10	1610.283544	-3.170015413	9.82E-84	5.85E-82	Alpl
ENSMUSG00000000627.15	530.1237563	5.632190026	1.12E-83	6.65E-82	Sema4f
ENSMUSG00000039985.14	11891.40134	-3.227983451	1.90E-83	1.13E-81	Fam60a
ENSMUSG00000035314.10	866.1903969	4.577315984	2.62E-83	1.55E-81	Gdpd5
ENSMUSG00000043463.6	824.1901413	7.943924821	3.03E-83	1.79E-81	Rab9b
ENSMUSG00000019775.17	1324.451024	2.672302889	4.18E-83	2.46E-81	Rgs17
ENSMUSG00000059810.18	1204.232891	3.37962183	6.68E-83	3.93E-81	Rgs3
ENSMUSG00000045193.13	4159.454886	3.69335575	6.99E-83	4.10E-81	Cirbp
ENSMUSG00000022849.5	1452.008781	-2.557287405	7.48E-83	4.38E-81	Hspbap1
ENSMUSG00000010721.15	586.4748092	2.917238497	1.05E-82	6.11E-81	Lmbr1
ENSMUSG00000036620.14	2987.488863	2.407899055	1.08E-82	6.30E-81	Mgat4b
ENSMUSG00000003934.5	2822.306239	4.567894629	1.12E-82	6.55E-81	Efnb3
ENSMUSG000000062937.7	5837.025792	-2.026446955	2.23E-82	1.29E-80	Mtap
ENSMUSG00000006906.10	688.8727053	2.922955855	2.49E-82	1.44E-80	Stambp
ENSMUSG00000027950.7	1898.129879	4.714034516	2.98E-82	1.72E-80	Chrb2
ENSMUSG000000059013.12	978.1806872	4.491551175	6.06E-82	3.50E-80	Sh2d3c
ENSMUSG00000044071.8	485.1407479	6.670731921	6.41E-82	3.69E-80	Fam19a2
ENSMUSG00000034245.10	1937.009585	2.693256278	7.89E-82	4.54E-80	Hdac11
ENSMUSG00000005338.13	3690.689119	4.865820189	1.33E-81	7.62E-80	Cadm3
ENSMUSG000000031737.11	343.2453535	5.707460063	1.33E-81	7.62E-80	Irx5
ENSMUSG00000062421.13	5057.962206	2.880862955	1.61E-81	9.19E-80	Arf2
ENSMUSG00000026202.13	1224.200716	-3.110571308	1.71E-81	9.77E-80	Tuba4a
ENSMUSG00000069227.4	2787.618156	3.87173467	2.00E-81	1.14E-79	Gprin1
ENSMUSG000000035551.6	2538.491001	3.585594609	2.06E-81	1.17E-79	Igfbpl1
ENSMUSG00000023232.17	433.5102971	3.736390915	3.26E-81	1.84E-79	Serinc2
ENSMUSG00000057098.14	2375.562488	2.631907327	3.31E-81	1.87E-79	Ebf1
ENSMUSG000000036913.15	1487.169011	7.759103222	4.36E-81	2.46E-79	Trim67
ENSMUSG00000027562.12	1913.696368	-3.689963487	4.89E-81	2.75E-79	Car2
ENSMUSG00000021476.9	1133.572116	2.550634596	4.99E-81	2.80E-79	Habp4
ENSMUSG00000024525.6	501.8409363	-3.426560479	5.49E-81	3.08E-79	Impa2
ENSMUSG000000072623.6	1173.660733	5.907419167	5.86E-81	3.28E-79	Zfp9
ENSMUSG00000082320.1	735.8989437	-3.615089614	7.37E-81	4.11E-79	RP23-199B9.1
ENSMUSG00000024347.16	1414.009634	6.582882505	1.24E-80	6.93E-79	Psd2
ENSMUSG00000063873.10	652.518569	5.376060117	1.34E-80	7.44E-79	Slc24a3
ENSMUSG000000027171.10	386.3126163	-6.819451722	1.36E-80	7.56E-79	Prrg4
ENSMUSG00000031015.8	1999.173884	-2.8083685	1.88E-80	1.04E-78	Swap70
ENSMUSG000000079614.3	9041.900599	-2.203536123	2.88E-80	1.59E-78	Seh1l
ENSMUSG00000043843.16	720.1169306	4.207730981	4.56E-80	2.51E-78	Tmem145
ENSMUSG00000079009.8	445.6779295	-3.601513054	5.32E-80	2.93E-78	RP23-11F9.3

ENSMUSG00000010476.14	1628.823771	5.491377142	5.66E-80	3.11E-78	Ebf3
ENSMUSG00000020914.17	28994.24272	-2.166292878	6.90E-80	3.78E-78	Top2a
ENSMUSG00000033316.14	441.1828931	6.108254503	8.66E-80	4.74E-78	Galnt9
ENSMUSG00000029546.12	557.751335	6.772888649	8.95E-80	4.89E-78	Uncx
ENSMUSG00000029123.8	886.5683878	6.594351293	9.80E-80	5.34E-78	Stk32b
ENSMUSG00000040945.13	17461.46168	-1.969956052	1.03E-79	5.59E-78	Rcc2
ENSMUSG00000042079.13	26519.32779	-1.897571248	1.07E-79	5.80E-78	Hnrnpf
ENSMUSG00000039607.15	548.4463284	5.969660305	1.27E-79	6.87E-78	Rbms3
ENSMUSG00000026080.13	1257.769973	2.942269543	2.77E-79	1.50E-77	Chst10
ENSMUSG00000032333.6	1447.185703	2.385596973	3.15E-79	1.70E-77	Stoml1
ENSMUSG00000028896.13	3626.448252	-2.287890581	3.81E-79	2.05E-77	Rcc1
ENSMUSG00000048814.10	1079.233887	8.128948064	4.08E-79	2.19E-77	Lonrf2
ENSMUSG00000018750.14	544.8655707	3.176289597	4.63E-79	2.49E-77	Zbtb4
ENSMUSG00000074274.7	1201.918474	8.940956635	4.66E-79	2.49E-77	RP24-312B12.1
ENSMUSG00000042225.3	3106.385578	-2.787721388	8.57E-79	4.58E-77	Ammecr1
ENSMUSG00000001288.15	430.0414628	-4.20124531	9.76E-79	5.20E-77	Rarg
ENSMUSG00000032549.7	5024.718143	4.537590267	1.32E-78	7.02E-77	Rab6b
ENSMUSG000000114737.1	2685.161587	-2.389245639	1.64E-78	8.73E-77	RP24-87B5.3
ENSMUSG00000063229.15	22605.78884	-4.056303442	1.82E-78	9.62E-77	Ldha
ENSMUSG00000030122.12	12104.25022	3.167372	2.18E-78	1.15E-76	Ptms
ENSMUSG00000043811.5	331.5487096	5.267107284	2.90E-78	1.53E-76	Rtn4r
ENSMUSG00000022325.14	2164.049471	-3.4987796	2.93E-78	1.54E-76	Pop1
ENSMUSG00000041859.10	9367.267115	-2.16192712	3.03E-78	1.59E-76	Mcm3
ENSMUSG00000041263.14	842.5931501	3.026616044	3.23E-78	1.70E-76	Rusc1
ENSMUSG00000059474.13	10749.78399	-1.92274086	3.94E-78	2.06E-76	Mbtd1
ENSMUSG00000015176.10	10742.31032	-1.99298353	8.60E-78	4.50E-76	Noic1
ENSMUSG00000036098.15	2842.696769	-5.739470588	8.76E-78	4.57E-76	Myrf
ENSMUSG00000033760.16	1933.189041	2.17795556	9.15E-78	4.77E-76	Rbm4b
ENSMUSG00000026817.14	771.3017583	3.628906536	1.03E-77	5.34E-76	Ak1
ENSMUSG00000024426.17	2239.077793	3.191306607	1.40E-77	7.28E-76	Atat1
ENSMUSG00000046378.11	635.4964719	6.647979046	1.56E-77	8.07E-76	Asphd1
ENSMUSG00000028545.13	939.9537146	3.620488503	1.93E-77	9.97E-76	Bend5
ENSMUSG00000063626.6	794.6003872	4.207079029	2.57E-77	1.33E-75	Unc5d
ENSMUSG00000032712.16	5813.858535	-2.278239424	3.39E-77	1.74E-75	RP23-214L4.1
ENSMUSG00000035049.3	3757.910334	-2.25486432	4.42E-77	2.27E-75	Rrp12
ENSMUSG00000039154.7	697.4324299	3.330485339	4.60E-77	2.36E-75	Shd
ENSMUSG00000049929.7	3374.952739	-3.466540255	5.05E-77	2.59E-75	Lpar4
ENSMUSG00000021285.15	657.7847637	4.34745368	9.50E-77	4.86E-75	Ppp1r13b
ENSMUSG00000027967.8	307.2915673	-4.0425373	1.63E-76	8.34E-75	Neurog2
ENSMUSG00000021680.8	277.2421331	5.133915715	1.76E-76	8.96E-75	Crhbp
ENSMUSG00000022523.10	472.7957063	4.948361318	1.86E-76	9.43E-75	Fgf12
ENSMUSG00000032769.4	297.6205258	-5.503728871	1.90E-76	9.66E-75	Trpa1
ENSMUSG00000060882.5	477.7503359	5.274507292	2.05E-76	1.04E-74	Kcnd2
ENSMUSG00000024084.7	330.4711658	5.576420558	2.06E-76	1.04E-74	Qpct
ENSMUSG00000072704.6	2963.915744	2.088377215	2.23E-76	1.12E-74	Smim101
ENSMUSG00000050272.9	851.8941997	5.714271506	2.66E-76	1.34E-74	Dscam
ENSMUSG00000045515.3	353.3956953	5.458498088	2.71E-76	1.36E-74	Pou3f3
ENSMUSG00000028949.13	517.354286	5.777960332	3.44E-76	1.72E-74	Smarcd3
ENSMUSG0000002068.16	3812.862406	-2.752668894	4.49E-76	2.25E-74	Ccne1
ENSMUSG00000057967.12	304.2915242	5.174468898	6.21E-76	3.11E-74	Fgf18
ENSMUSG00000030161.8	7403.302078	1.947165212	6.37E-76	3.18E-74	Gabarapl1
ENSMUSG00000026728.9	13915.13589	2.379790486	7.41E-76	3.69E-74	Vim
ENSMUSG00000074738.2	365.5592178	5.130484551	8.13E-76	4.04E-74	RP23-183D11.6
ENSMUSG00000010505.16	1039.279624	8.542717275	8.41E-76	4.17E-74	Myt1
ENSMUSG00000031297.14	9092.71951	-2.599338894	8.91E-76	4.41E-74	Slc7a3
ENSMUSG00000025268.15	9162.313389	2.919675466	1.12E-75	5.54E-74	Maged2
ENSMUSG00000052581.13	405.2923595	3.700282334	1.15E-75	5.65E-74	Lrrtm4
ENSMUSG00000023027.13	1579.516609	-2.304052536	1.22E-75	5.99E-74	Atf1
ENSMUSG00000079225.3	20712.61341	-2.245558549	1.85E-75	9.07E-74	RP24-290P19.4
ENSMUSG00000003352.14	2654.808683	2.725332128	1.99E-75	9.77E-74	Cacnb3
ENSMUSG00000024360.7	13599.02478	-1.8530274	2.08E-75	1.02E-73	Etf1
ENSMUSG00000031539.6	866.0840785	4.919518047	2.12E-75	1.03E-73	Ap3m2
ENSMUSG00000002997.15	2208.556903	4.136282898	2.63E-75	1.28E-73	Prkar2b
ENSMUSG00000025925.14	2524.214523	-2.863717015	4.10E-75	2.00E-73	Terf1
ENSMUSG00000039904.9	566.5908472	-4.015234261	5.08E-75	2.47E-73	Gpr37
ENSMUSG00000061080.11	779.3995734	7.364567536	5.48E-75	2.66E-73	Lsamp
ENSMUSG00000025001.11	8781.366041	-2.275386227	6.93E-75	3.36E-73	Hells
ENSMUSG00000026721.15	1588.28207	3.719633316	7.34E-75	3.55E-73	Rabgap1l
ENSMUSG00000082878.1	2411.258917	-2.525154091	9.56E-75	4.62E-73	RP23-243E17.10
ENSMUSG00000029337.2	586.9797034	-4.735069119	1.57E-74	7.56E-73	Fgf5
ENSMUSG00000040118.15	4345.761546	4.52284174	2.28E-74	1.10E-72	Cacna2d1
ENSMUSG00000039497.8	1514.486433	-2.484150807	2.44E-74	1.17E-72	Dse
ENSMUSG00000025578.9	489.4795113	3.464739386	3.63E-74	1.74E-72	Cbx8
ENSMUSG00000021175.15	1375.820982	-2.209910433	4.84E-74	2.32E-72	Cdca71
ENSMUSG00000044550.11	905.6829254	3.017641226	5.19E-74	2.48E-72	Tceal3
ENSMUSG00000028179.12	748.2549374	-2.962978344	8.21E-74	3.92E-72	Cth
ENSMUSG00000051154.11	948.422141	5.883260876	1.20E-73	5.74E-72	Commd3
ENSMUSG00000045994.17	2487.651232	6.471411232	1.36E-73	6.45E-72	B3gat1
ENSMUSG00000032446.14	694.7819684	-3.90177756	1.63E-73	7.72E-72	Eomes
ENSMUSG00000038248.8	1566.384708	3.194185189	1.86E-73	8.79E-72	Sobp
ENSMUSG00000068923.14	10346.72969	3.024093823	2.03E-73	9.60E-72	Syt11
ENSMUSG00000042606.9	2056.207005	-2.953606868	2.11E-73	9.95E-72	Hirip3
ENSMUSG00000054364.5	2878.665761	2.474223436	2.47E-73	1.17E-71	Rhob

ENSMUSG00000018698.15	869.6734097	4.576390932	2.82E-73	1.33E-71	Lhx1
ENSMUSG00000024639.5	5658.929571	2.268590279	4.39E-73	2.06E-71	Gnaq
ENSMUSG00000009894.15	4920.974788	2.101002783	4.52E-73	2.12E-71	Snap47
ENSMUSG000000084215.3	3072.814637	-4.123095588	5.35E-73	2.51E-71	RP23-172G14.1
ENSMUSG000000021536.7	420.5895756	6.409496541	6.43E-73	3.00E-71	Adcy2
ENSMUSG00000073012.2	246.6354458	-4.710181707	6.67E-73	3.11E-71	Fnd3c2
ENSMUSG00000019874.11	1542.066472	5.716577498	6.97E-73	3.25E-71	Fabp7
ENSMUSG00000058589.14	751.4202018	7.533390422	7.27E-73	3.38E-71	Anks1b
ENSMUSG000000025980.14	33657.02577	-1.888053571	1.14E-72	5.29E-71	Hspd1
ENSMUSG00000004151.17	955.4124807	-3.543169572	1.38E-72	6.41E-71	Etv1
ENSMUSG000000031160.4	308.674829	-6.634121907	1.48E-72	6.82E-71	Eras
ENSMUSG000000038349.10	546.6632765	6.693744011	1.48E-72	6.82E-71	Plcl1
ENSMUSG00000020086.6	3349.491143	2.054540217	1.52E-72	6.98E-71	H2afy2
ENSMUSG00000005917.15	279.547195	4.370001354	1.59E-72	7.34E-71	Otx1
ENSMUSG000000033007.15	397.931688	6.89287843	1.66E-72	7.64E-71	Asic4
ENSMUSG000000015937.15	3922.859946	3.256381776	1.87E-72	8.56E-71	H2afy
ENSMUSG00000016386.15	1076.34534	2.316256587	2.75E-72	1.26E-70	Mpped2
ENSMUSG000000056185.4	426.8736809	4.228806409	3.14E-72	1.44E-70	Snx32
ENSMUSG000000030551.14	608.5331408	8.179172309	4.19E-72	1.91E-70	Nr2f2
ENSMUSG000000038453.16	2264.807421	3.811949674	4.33E-72	1.97E-70	Srcin1
ENSMUSG00000072437.3	344.5548383	3.86048759	8.82E-72	4.01E-70	Nanos1
ENSMUSG000000052331.14	9509.499921	-3.951260412	8.98E-72	4.08E-70	Ankrd44
ENSMUSG000000034647.14	2892.871284	3.419410847	1.08E-71	4.91E-70	Ankrd12
ENSMUSG000000051146.2	586.1335534	4.934256702	1.13E-71	5.13E-70	Camk2n2
ENSMUSG000000066000.12	1308.518053	-2.884168451	1.36E-71	6.15E-70	RP23-282C23.1
ENSMUSG00000015291.10	10540.58018	2.560329604	1.56E-71	7.03E-70	Gdi1
ENSMUSG000000036202.16	8244.538806	-2.89502634	1.66E-71	7.46E-70	Rif1
ENSMUSG000000049119.14	614.2369997	2.952214976	1.98E-71	8.92E-70	Fam110b
ENSMUSG000000066607.5	437.2911777	4.592062999	2.03E-71	9.11E-70	RP24-78F21.4
ENSMUSG000000050132.13	1321.462184	6.569481489	2.25E-71	1.01E-69	Sarm1
ENSMUSG000000047766.15	1445.21375	2.578725588	2.41E-71	1.08E-69	Lrrc49
ENSMUSG00000074637.7	4466.280077	-2.231933791	2.54E-71	1.14E-69	Sox2
ENSMUSG000000027333.18	343.2882457	3.616534617	3.38E-71	1.51E-69	Smox
ENSMUSG000000033837.5	995.6484507	-6.479843114	3.41E-71	1.52E-69	Foxh1
ENSMUSG000000041216.15	534.3416743	6.654227405	3.62E-71	1.61E-69	Clvs1
ENSMUSG000000112650.1	747.7344187	-2.565990299	3.70E-71	1.64E-69	RP23-152I9.1
ENSMUSG000000051920.7	529.3214566	7.558004252	5.47E-71	2.42E-69	Rspo2
ENSMUSG000000031432.3	9636.954285	-1.956980403	5.94E-71	2.62E-69	Prps1
ENSMUSG000000041889.7	870.3905761	4.312889521	5.94E-71	2.62E-69	Shisa4
ENSMUSG000000105600.1	316.886562	-4.027866006	9.27E-71	4.09E-69	RP23-424O22.1
ENSMUSG000000042354.7	6138.464384	-2.27632353	1.20E-70	5.30E-69	Gnl3
ENSMUSG000000021765.9	591.9891502	-2.99928018	1.26E-70	5.54E-69	Fst
ENSMUSG000000031728.10	1875.933198	2.515428556	1.37E-70	6.01E-69	Zfp821
ENSMUSG000000065999.13	818.1884483	-2.35458254	1.76E-70	7.71E-69	RP23-326E2.4
ENSMUSG000000050587.14	542.1428574	5.7968542	1.96E-70	8.55E-69	Lrrc4c
ENSMUSG000000034255.17	564.9587949	-5.054411706	3.57E-70	1.56E-68	Arhgap27
ENSMUSG000000032735.14	828.9276312	7.213784134	4.44E-70	1.94E-68	Ablim3
ENSMUSG000000015880.13	3679.305212	-2.25565594	7.24E-70	3.15E-68	Ncapg
ENSMUSG000000027346.15	2148.582869	3.085101969	8.18E-70	3.55E-68	Gpcpd1
ENSMUSG000000025810.9	533.6306174	4.763399476	1.04E-69	4.49E-68	Nrp1
ENSMUSG00000024647.14	289.937872	4.347072328	1.21E-69	5.26E-68	Cbln2
ENSMUSG000000026622.15	2721.326488	-2.176908948	1.25E-69	5.39E-68	Nek2
ENSMUSG000000031227.8	2438.53977	4.035833329	1.36E-69	5.86E-68	Magee1
ENSMUSG000000038235.4	1002.46932	-2.248150294	1.72E-69	7.39E-68	F11r
ENSMUSG000000063586.1	3685.393229	-1.952968459	1.94E-69	8.34E-68	Gm5513
ENSMUSG00000019998.6	3347.315089	1.893901319	2.00E-69	8.58E-68	Stx7
ENSMUSG000000043004.13	8396.733377	2.867476418	2.44E-69	1.05E-67	Gng2
ENSMUSG000000091337.3	3052.906765	3.946523478	4.10E-69	1.76E-67	Eid1
ENSMUSG000000035455.12	3277.33319	-1.96791004	4.29E-69	1.84E-67	Figl1
ENSMUSG000000020610.16	4274.113827	2.095107408	4.47E-69	1.91E-67	Amz2
ENSMUSG000000079598.3	562.8839118	6.237113569	4.80E-69	2.04E-67	Clec2l
ENSMUSG000000051220.2	1950.495652	-2.098420278	6.14E-69	2.61E-67	Erc6l
ENSMUSG000000086296.2	350.09962	5.735353097	6.53E-69	2.78E-67	RP23-441D9.4
ENSMUSG000000025151.16	17526.27908	1.801998394	8.66E-69	3.67E-67	Maged1
ENSMUSG000000030207.15	2050.247905	3.790792484	1.17E-68	4.95E-67	Fam234b
ENSMUSG000000051379.12	1259.978839	2.533825917	1.40E-68	5.93E-67	Flrt3
ENSMUSG000000034486.8	308.8541151	4.712226525	1.42E-68	6.01E-67	Gbx2
ENSMUSG000000054196.7	1367.262892	-3.070730243	1.59E-68	6.71E-67	Cthrc1
ENSMUSG000000030126.17	2527.258556	2.072117898	1.67E-68	7.04E-67	Tmcc1
ENSMUSG000000041272.11	378.6562009	5.087155594	2.05E-68	8.64E-67	Tox
ENSMUSG000000019437.17	587.8323458	-2.581886684	3.11E-68	1.31E-66	Tlcd1
ENSMUSG000000042258.13	387.5978846	4.14973227	4.82E-68	2.02E-66	Isl1
ENSMUSG000000108358.1	395.7188252	5.016104455	5.32E-68	2.23E-66	RP23-181P23.1
ENSMUSG000000058420.8	581.5776498	3.441776269	6.07E-68	2.54E-66	Syt17
ENSMUSG000000030521.11	2554.983146	-2.077859708	6.84E-68	2.85E-66	Mphosph10
ENSMUSG000000037686.6	357.3741943	-4.176870469	8.53E-68	3.55E-66	Aspg
ENSMUSG000000027030.15	4753.327868	-2.015022431	9.04E-68	3.76E-66	Stk39
ENSMUSG000000040724.5	337.1846876	6.25772911	9.89E-68	4.11E-66	Kcna2
ENSMUSG000000054871.5	1121.472203	3.191563542	1.24E-67	5.15E-66	Tmem158
ENSMUSG000000034265.8	261.556512	4.227875997	1.27E-67	5.28E-66	Zdhc14
ENSMUSG000000056895.4	2678.739704	5.336658392	1.31E-67	5.43E-66	Hist3h2ba
ENSMUSG000000066705.7	5019.76424	3.57890015	1.35E-67	5.59E-66	Fxyd6
ENSMUSG000000035776.14	2785.078374	2.319752723	1.56E-67	6.44E-66	Cd99l2

ENSMUSG00000042726.14	1857.633537	2.304320913	1.68E-67	6.93E-66	Trafd1
ENSMUSG00000026344.9	621.962018	3.738119026	1.90E-67	7.81E-66	Lypd1
ENSMUSG00000040563.13	2152.596708	3.31648735	2.11E-67	8.67E-66	Plppr2
ENSMUSG00000059921.15	1073.022165	5.65809358	2.67E-67	1.09E-65	Unc5c
ENSMUSG00000042372.4	256.2162796	5.583305008	2.95E-67	1.21E-65	Dmrt3
ENSMUSG00000036186.5	526.7770017	4.095506878	4.08E-67	1.66E-65	Fam69b
ENSMUSG00000021643.15	1280.283462	4.924219246	4.54E-67	1.85E-65	Serf1
ENSMUSG00000098912.7	1040.52659	4.024706243	5.02E-67	2.04E-65	RP23-199B2.4
ENSMUSG00000020706.13	10461.49277	-2.238186615	7.38E-67	3.00E-65	Ftsj3
ENSMUSG00000042751.14	2551.021844	2.264068901	8.20E-67	3.33E-65	Nmnat2
ENSMUSG00000048385.9	457.2307341	6.817511555	1.20E-66	4.88E-65	Scrt1
ENSMUSG00000038793.8	213.6546272	-5.106397798	1.49E-66	6.04E-65	Lefty1
ENSMUSG00000037872.5	568.7912018	5.928634979	1.57E-66	6.36E-65	Ackr1
ENSMUSG00000025041.16	2537.497298	2.406851078	1.92E-66	7.73E-65	Nt5c2
ENSMUSG00000004880.11	7011.492391	-1.971079837	1.96E-66	7.88E-65	Lbr
ENSMUSG000000092056.2	3364.424238	-2.396587101	2.30E-66	9.25E-65	RP24-391B9.1
ENSMUSG00000017734.15	247.6437988	4.662123494	2.52E-66	1.01E-64	Dbndd2
ENSMUSG00000033061.15	318.6146505	3.828523752	2.84E-66	1.14E-64	Resp18
ENSMUSG00000025505.16	305.5478414	4.020564463	4.23E-66	1.69E-64	Tmem80
ENSMUSG00000029695.13	660.0308379	-3.231980894	4.26E-66	1.70E-64	Aass
ENSMUSG00000021033.11	888.4414708	2.708760646	4.41E-66	1.76E-64	Gstz1
ENSMUSG00000031532.6	4688.805109	2.388644611	5.75E-66	2.29E-64	Saraf
ENSMUSG00000020083.13	843.5745003	4.663035804	6.29E-66	2.51E-64	RP23-459M2.1
ENSMUSG00000025905.13	246.0184487	-5.300955277	6.49E-66	2.58E-64	Oprk1
ENSMUSG00000033854.10	427.4746082	6.152418623	9.07E-66	3.60E-64	Kcnk10
ENSMUSG00000007659.18	2637.201695	2.254806212	9.10E-66	3.61E-64	Bcl2l1
ENSMUSG000000074731.3	539.6517975	-2.82196103	1.17E-65	4.65E-64	Zfp345
ENSMUSG00000032297.11	795.3788784	8.982737408	1.23E-65	4.87E-64	Celf6
ENSMUSG00000072966.11	8152.873706	3.084780099	1.35E-65	5.33E-64	Gprasp2
ENSMUSG00000028565.18	274.9105364	5.415637532	1.79E-65	7.04E-64	Nfia
ENSMUSG00000068686.12	360.1703812	-3.337940528	2.02E-65	7.97E-64	Cd59b
ENSMUSG00000071226.11	4466.130818	-3.372919158	2.05E-65	8.08E-64	Cecr2
ENSMUSG00000024427.6	948.3859834	-2.768811747	2.90E-65	1.14E-63	Spry4
ENSMUSG00000051243.14	2571.060073	4.956603393	3.04E-65	1.19E-63	Islr2
ENSMUSG00000043618.9	6803.694811	-1.896724383	3.25E-65	1.27E-63	Eif5a13-ps
ENSMUSG00000075334.2	1420.68808	3.135069563	3.30E-65	1.29E-63	Rprm
ENSMUSG00000020330.16	4208.543693	-2.128815015	3.90E-65	1.52E-63	Hmmr
ENSMUSG00000045534.4	257.1444103	4.861550476	4.15E-65	1.62E-63	Kcna5
ENSMUSG00000045174.10	636.1275096	8.366728233	4.43E-65	1.72E-63	Amer3
ENSMUSG00000023067.13	376.264212	5.013486241	5.25E-65	2.04E-63	Cdkn1a
ENSMUSG00000063434.5	501.3982112	4.999279106	5.24E-65	2.04E-63	Sorcs3
ENSMUSG00000031906.9	1595.311158	5.736879878	5.61E-65	2.17E-63	Smpd3
ENSMUSG00000031928.15	2535.588664	-2.077157623	6.37E-65	2.46E-63	Mre11a
ENSMUSG00000022679.13	323.680774	4.858840079	7.70E-65	2.98E-63	Mpv17l
ENSMUSG00000048965.9	361.9975612	3.664707978	7.89E-65	3.05E-63	Mrgpre
ENSMUSG00000069255.13	674.033524	2.603192985	8.58E-65	3.31E-63	Dusp22
ENSMUSG00000031584.16	2758.908813	-1.917930496	1.12E-64	4.32E-63	Gsr
ENSMUSG00000031970.16	397.7016057	3.681999026	1.27E-64	4.86E-63	Dbndd1
ENSMUSG00000031775.5	204.064358	-4.399339598	1.36E-64	5.23E-63	Pilp
ENSMUSG00000052676.16	356.7405472	5.227772168	1.37E-64	5.23E-63	Zmat1
ENSMUSG00000051851.5	282.5661006	4.196449092	1.43E-64	5.47E-63	Cxx1c
ENSMUSG00000110964.1	615.2377364	-3.07365069	1.47E-64	5.61E-63	RP24-84H10.9
ENSMUSG00000032902.1	7529.068681	-1.975616996	1.60E-64	6.09E-63	Slc16a1
ENSMUSG00000060450.13	5624.160214	2.034094592	1.68E-64	6.39E-63	Rnf14
ENSMUSG00000041362.16	1564.055081	3.58690807	2.02E-64	7.70E-63	Shtn1
ENSMUSG00000033578.7	3401.292317	2.231009584	2.09E-64	7.93E-63	Tmem35
ENSMUSG00000019814.5	2519.976104	-2.034247485	2.30E-64	8.72E-63	Ltv1
ENSMUSG00000055639.16	456.3729273	4.622984655	2.72E-64	1.03E-62	Dach1
ENSMUSG00000061838.7	2788.833292	-2.390249497	2.75E-64	1.04E-62	Suclg2
ENSMUSG00000022253.15	3007.350352	-2.229899568	2.91E-64	1.10E-62	Nadk2
ENSMUSG00000034006.16	904.5926163	3.187254247	4.01E-64	1.51E-62	Pqlc1
ENSMUSG00000045518.8	2602.321261	9.597085838	6.23E-64	2.35E-62	Onecut3
ENSMUSG00000060402.7	280.281278	3.794155417	6.48E-64	2.44E-62	Chst8
ENSMUSG000000021973.9	1512.047919	2.176061079	6.97E-64	2.62E-62	Micu2
ENSMUSG00000053004.9	230.2981663	-4.933352335	1.09E-63	4.10E-62	Hrh1
ENSMUSG00000041923.15	414.4001688	4.996007349	1.20E-63	4.48E-62	Nol4
ENSMUSG00000055421.8	639.4008588	3.911686554	1.23E-63	4.62E-62	Pcdh9
ENSMUSG00000040035.14	1216.058164	7.806993012	1.54E-63	5.75E-62	Disp2
ENSMUSG00000033256.14	977.0621253	2.829405376	1.99E-63	7.41E-62	Shf
ENSMUSG00000024304.14	11913.8756	2.580741963	2.02E-63	7.53E-62	Cdh2
ENSMUSG00000027422.15	12118.87727	-2.354670879	2.03E-63	7.55E-62	Rrbp1
ENSMUSG00000025776.13	365.418729	-3.80608239	2.09E-63	7.75E-62	Crispld1
ENSMUSG00000018395.19	3976.138617	2.225621549	2.09E-63	7.76E-62	Kif3a
ENSMUSG00000029521.7	1073.350493	-2.297245133	2.16E-63	8.01E-62	Chek2
ENSMUSG00000034949.18	434.102523	4.734498769	2.23E-63	8.25E-62	Zfr2
ENSMUSG00000029309.7	328.9786234	6.471741736	2.33E-63	8.62E-62	Sparcl1
ENSMUSG00000032850.16	1038.123309	4.037002694	2.39E-63	8.84E-62	Rnf2
ENSMUSG00000041406.14	1714.683651	-2.648463444	2.70E-63	9.96E-62	RP23-376B19.2
ENSMUSG000000042401.6	358.5087255	4.919635597	4.04E-63	1.49E-61	Crtac1
ENSMUSG00000030796.17	4333.744704	-2.056763444	4.24E-63	1.56E-61	Tead2
ENSMUSG00000025795.8	985.9266936	-2.195034796	4.53E-63	1.66E-61	Rassf3
ENSMUSG000000086119.2	275.6233462	6.01639654	4.98E-63	1.83E-61	RP23-162D3.2
ENSMUSG00000026188.11	423.979616	4.264044838	5.31E-63	1.94E-61	Tmem169

ENSMUSG00000038145.17	1384.686605	2.160486711	5.48E-63	2.00E-61	Snrk
ENSMUSG00000015653.13	1411.934044	-2.616326707	7.14E-63	2.61E-61	Steap2
ENSMUSG00000024403.16	268.4053047	5.511592919	7.54E-63	2.75E-61	Atp6v1g2
ENSMUSG00000023909.3	1193.871942	3.557170324	7.75E-63	2.82E-61	Paqr4
ENSMUSG00000079259.2	5524.057558	-3.89767684	8.15E-63	2.97E-61	Trim71
ENSMUSG00000057219.11	524.1881516	2.589404517	9.52E-63	3.46E-61	Armc7
ENSMUSG00000031021.13	1249.50858	2.359121961	1.11E-62	4.01E-61	Tmem9b
ENSMUSG00000041438.8	4819.043783	-2.076293929	1.19E-62	4.31E-61	Utp4
ENSMUSG000000063785.12	2594.050163	-1.997303408	1.57E-62	5.68E-61	Utp14a
ENSMUSG00000029223.12	18007.48896	4.503635415	1.65E-62	5.97E-61	Uchl1
ENSMUSG00000084038.2	350.8472978	-4.161578472	1.80E-62	6.50E-61	RP23-124G18.2
ENSMUSG00000032501.9	1332.787855	-2.297479145	1.82E-62	6.55E-61	Trib1
ENSMUSG00000015002.18	3295.046479	-1.922555037	1.90E-62	6.84E-61	Efr3a
ENSMUSG00000044167.6	1221.061328	-2.294081336	1.94E-62	6.97E-61	Foxo1
ENSMUSG00000112117.1	316.0510153	5.368109148	3.16E-62	1.13E-60	Rmst
ENSMUSG000000038393.14	4174.012389	1.919400095	3.47E-62	1.24E-60	Txnip
ENSMUSG00000055493.4	304.5200189	5.535670208	3.78E-62	1.35E-60	Epm2a
ENSMUSG00000069670.8	256.0225729	5.583604717	4.77E-62	1.71E-60	Nkain2
ENSMUSG00000038279.10	8466.590071	-2.233651246	4.93E-62	1.76E-60	Nop2
ENSMUSG00000004187.11	497.8712639	4.664989898	6.15E-62	2.19E-60	Kifc2
ENSMUSG00000109536.1	3035.587752	7.147090092	7.11E-62	2.53E-60	RP24-439I22.3
ENSMUSG00000041957.15	1157.288305	-2.122760904	7.47E-62	2.66E-60	Pkp2
ENSMUSG00000052516.19	1436.929255	5.527241216	7.96E-62	2.83E-60	Robo2
ENSMUSG00000000223.13	875.8092718	8.375031565	1.13E-61	4.00E-60	Drp2
ENSMUSG00000026347.13	378.7703326	3.53651191	1.13E-61	4.00E-60	Tmem163
ENSMUSG00000020099.8	2350.771695	-3.401612178	1.17E-61	4.13E-60	Unc5b
ENSMUSG00000024063.12	4171.783983	2.977992555	1.41E-61	4.97E-60	Lbh
ENSMUSG00000026532.7	309.4086163	-5.613514359	2.13E-61	7.53E-60	Spta1
ENSMUSG00000042851.17	352.4617112	4.245496483	2.25E-61	7.91E-60	Zc3h6
ENSMUSG00000020635.8	285.3861012	4.336355179	2.40E-61	8.44E-60	Fkbp1b
ENSMUSG00000090125.3	818.7315588	-3.367568299	2.48E-61	8.71E-60	Pou3f1
ENSMUSG00000047643.5	377.2279226	-4.792247994	3.55E-61	1.25E-59	RP24-426N3.2
ENSMUSG00000000632.13	1798.54648	5.53861092	4.14E-61	1.45E-59	Sez6
ENSMUSG00000029712.14	1761.077905	10.97963434	4.43E-61	1.55E-59	Actl6b
ENSMUSG00000027220.2	1252.791558	2.842898904	4.57E-61	1.60E-59	Syt13
ENSMUSG00000043300.2	981.3384482	2.881431688	5.93E-61	2.07E-59	B3galt1
ENSMUSG00000042616.8	511.3387299	3.011572985	9.44E-61	3.29E-59	Oscp1
ENSMUSG00000026185.8	2143.605153	5.057179569	9.99E-61	3.48E-59	Igfbp5
ENSMUSG00000021130.8	1690.846729	3.799509793	1.08E-60	3.75E-59	Galt16
ENSMUSG00000022708.16	1094.751973	3.903494585	1.09E-60	3.78E-59	Zbtb20
ENSMUSG00000029246.14	5412.717088	-2.589328299	1.29E-60	4.49E-59	Ppat
ENSMUSG00000111977.1	222.6191422	4.471232068	1.33E-60	4.60E-59	RP24-373J20.5
ENSMUSG00000045498.1	346.8890315	5.246496528	1.37E-60	4.73E-59	Pcdhb3
ENSMUSG00000028687.17	430.238085	-2.834939192	1.58E-60	5.45E-59	Mutyh
ENSMUSG00000047881.14	1308.991785	-2.203193045	1.63E-60	5.62E-59	Rel1
ENSMUSG00000020810.5	299.0512048	5.810463861	1.88E-60	6.48E-59	Cygb
ENSMUSG00000064179.13	463.2918068	-2.999567927	2.15E-60	7.41E-59	Tnnt1
ENSMUSG00000051486.5	445.8683776	5.262586995	2.31E-60	7.95E-59	Pcdhb11
ENSMUSG00000035969.15	1841.438909	5.410509643	2.41E-60	8.27E-59	Rusc2
ENSMUSG00000113352.1	232.0087508	-5.281035263	2.56E-60	8.77E-59	RP23-45H23.2
ENSMUSG00000024256.6	252.3867283	5.887289344	2.71E-60	9.29E-59	Adcyap1
ENSMUSG00000072640.11	680.5108581	4.164795706	2.74E-60	9.39E-59	Lymr1
ENSMUSG00000037353.9	966.1113061	2.923027458	2.92E-60	9.96E-59	Letmd1
ENSMUSG00000020312.12	2308.163074	3.328180532	3.66E-60	1.25E-58	Shc2
ENSMUSG00000022094.15	2291.287529	-3.281421174	4.19E-60	1.43E-58	Slc39a14
ENSMUSG00000001349.5	230.8268534	-3.724814955	5.65E-60	1.92E-58	Cnn1
ENSMUSG00000021457.14	295.7685233	-3.60083784	7.26E-60	2.47E-58	Syk
ENSMUSG00000038843.17	585.8472261	-3.055634453	7.34E-60	2.49E-58	Gcnt1
ENSMUSG00000060240.12	1043.925532	2.963920702	9.31E-60	3.16E-58	Cend1
ENSMUSG00000039958.17	657.5142942	-2.826485321	9.41E-60	3.19E-58	Mettl20
ENSMUSG00000048216.13	1318.086672	2.200727437	1.10E-59	3.74E-58	Gpr85
ENSMUSG00000089706.7	524.8438275	4.821060066	1.30E-59	4.39E-58	RP23-178F20.1
ENSMUSG00000029408.13	261.8312251	4.564223657	1.45E-59	4.91E-58	Abcb9
ENSMUSG00000028785.13	435.3308657	3.378133937	1.62E-59	5.46E-58	Hpca
ENSMUSG00000052951.5	668.551013	6.596911919	1.62E-59	5.46E-58	RP23-65G6.4
ENSMUSG00000007021.4	1078.056885	2.854343179	1.76E-59	5.92E-58	Syngn3
ENSMUSG00000073293.4	901.8959783	2.233346179	1.95E-59	6.56E-58	Nudt10
ENSMUSG00000000247.11	749.2583727	2.735496387	2.07E-59	6.95E-58	Lhx2
ENSMUSG00000046387.5	468.7112192	5.526300856	2.26E-59	7.57E-58	Pcdhb17
ENSMUSG00000048087.6	12098.60107	-2.245036415	2.29E-59	7.66E-58	RP23-300H4.1
ENSMUSG00000069171.14	557.2704406	8.311088353	2.50E-59	8.34E-58	Nr2f1
ENSMUSG00000030257.16	1442.08361	3.026814851	2.81E-59	9.38E-58	Srgap3
ENSMUSG00000041920.14	736.4062453	2.601887469	3.35E-59	1.12E-57	Slc16a6
ENSMUSG00000102478.1	3193.540717	-2.129672062	3.40E-59	1.13E-57	RP24-268A16.1
ENSMUSG000000034757.15	2380.118152	2.003473381	3.62E-59	1.21E-57	Tmub2
ENSMUSG00000028063.15	852.2038685	3.270107343	4.13E-59	1.37E-57	Lmna
ENSMUSG00000031391.18	3935.682984	5.091285827	4.26E-59	1.41E-57	L1cam
ENSMUSG000000062175.13	1496.606156	-2.097331916	4.45E-59	1.48E-57	Tgif2
ENSMUSG000000057716.6	1533.036574	6.828331013	4.47E-59	1.48E-57	Tmem178b
ENSMUSG00000097248.9	244.1383617	4.14383314	4.84E-59	1.60E-57	RP23-433F5.1
ENSMUSG00000031383.8	632.0180495	-2.342898943	5.10E-59	1.68E-57	Dusp9
ENSMUSG00000043614.13	599.4856603	4.084533183	5.87E-59	1.94E-57	Vps37d
ENSMUSG00000018451.6	5019.986398	3.187738249	6.08E-59	2.00E-57	RP23-83I13.10

ENSMUSG00000026527.13	439.7357168	5.136484091	7.01E-59	2.30E-57	Rgs7
ENSMUSG00000060429.12	453.112538	-3.792186271	7.01E-59	2.30E-57	Sntb1
ENSMUSG00000029364.15	2911.699353	2.259928111	7.53E-59	2.47E-57	Wsb2
ENSMUSG00000022108.8	2441.316375	2.222875442	8.02E-59	2.63E-57	Itm2b
ENSMUSG00000020577.17	5052.917986	2.099165594	9.50E-59	3.11E-57	Tspan13
ENSMUSG00000026824.11	3387.668731	-3.708351637	1.00E-58	3.29E-57	Kcnj3
ENSMUSG00000025469.10	244.8970052	5.284082634	1.93E-58	6.30E-57	Msx3
ENSMUSG00000015202.13	1114.852636	-3.418685067	2.07E-58	6.75E-57	Cnksr3
ENSMUSG00000021377.15	9704.071233	-1.731911897	2.55E-58	8.32E-57	Dek
ENSMUSG00000058153.15	1532.142884	9.512032133	2.59E-58	8.42E-57	Sez6l
ENSMUSG00000025158.7	3187.266773	1.810587757	2.99E-58	9.72E-57	Rfng
ENSMUSG00000040675.15	2355.970923	-2.238632889	3.54E-58	1.15E-56	Mthfd1l
ENSMUSG00000025352.6	886.2197879	3.406545791	3.79E-58	1.23E-56	Gdf11
ENSMUSG00000081957.5	353.5362529	-4.248358209	4.00E-58	1.30E-56	Ak3l2-ps
ENSMUSG00000029249.15	2967.568703	-2.268194896	4.20E-58	1.36E-56	Rest
ENSMUSG00000013150.15	1560.308385	2.132828861	5.30E-58	1.71E-56	Gfod2
ENSMUSG00000003863.18	810.7638022	3.243285731	5.75E-58	1.85E-56	Ppfia3
ENSMUSG00000060780.2	560.784473	8.323787192	6.41E-58	2.07E-56	Lrrtm1
ENSMUSG00000032577.16	387.5626805	-4.182995817	9.49E-58	3.05E-56	Mapkapk3
ENSMUSG00000003657.9	341.6694297	5.824329132	1.17E-57	3.78E-56	Calb2
ENSMUSG00000022587.14	2751.517732	-2.752873208	1.41E-57	4.53E-56	Ly6e
ENSMUSG00000071073.4	373.4704892	5.137996638	1.47E-57	4.71E-56	Lrrc73
ENSMUSG00000024958.12	763.5941422	2.560861074	1.58E-57	5.05E-56	Gpr137
ENSMUSG00000036815.16	565.9122731	6.60208796	1.92E-57	6.13E-56	Dpp10
ENSMUSG00000056367.14	244.3902633	4.102236078	1.97E-57	6.29E-56	Actr3b
ENSMUSG00000051177.16	953.4827115	5.063332988	2.23E-57	7.11E-56	Plcb1
ENSMUSG00000047496.6	1271.435353	2.796217148	2.30E-57	7.34E-56	Rnf152
ENSMUSG00000020387.15	619.8122117	-3.563671727	2.33E-57	7.43E-56	Jade2
ENSMUSG00000040896.16	942.5438018	8.139738618	2.91E-57	9.25E-56	Kcnd3
ENSMUSG00000032940.16	199.9464043	4.150923434	3.02E-57	9.60E-56	Rbm11
ENSMUSG00000056158.14	634.3048586	8.016816476	4.36E-57	1.39E-55	Car10
ENSMUSG00000089726.2	905.8434879	-2.636285615	4.60E-57	1.46E-55	Mir17hg
ENSMUSG00000026833.18	4180.62533	2.085368749	4.64E-57	1.47E-55	Olfm1
ENSMUSG00000042564.13	337.4101388	4.535880239	4.83E-57	1.53E-55	Fam227a
ENSMUSG00000062961.7	706.1077974	2.457772674	5.10E-57	1.61E-55	Ccdc177
ENSMUSG00000026192.13	7282.619222	-2.41045756	6.90E-57	2.18E-55	Atic
ENSMUSG00000022122.15	384.4167742	5.27748611	7.92E-57	2.50E-55	Ednrb
ENSMUSG00000049092.11	752.0999745	4.964192111	8.07E-57	2.54E-55	Gpr137c
ENSMUSG00000030036.8	2815.914431	-2.053040582	1.05E-56	3.31E-55	Mogs
ENSMUSG00000033909.17	4643.739442	-1.768702003	1.07E-56	3.35E-55	Usp36
ENSMUSG00000078566.8	3181.278674	-1.909507371	1.18E-56	3.72E-55	Bnip3
ENSMUSG00000040462.13	2660.760994	2.24540228	1.35E-56	4.23E-55	Os9
ENSMUSG00000029790.16	4693.814602	-2.91253834	1.92E-56	6.02E-55	Cep41
ENSMUSG00000032698.15	392.0010929	3.040940855	2.17E-56	6.79E-55	Lmo2
ENSMUSG00000036206.12	2733.163004	-2.136232191	2.35E-56	7.34E-55	Sh3bp4
ENSMUSG00000027379.13	4941.360341	-2.426784322	2.38E-56	7.42E-55	Bub1
ENSMUSG00000038128.6	567.7886955	2.987270094	2.43E-56	7.57E-55	Camk4
ENSMUSG00000030222.13	298.3616812	-3.28007395	2.46E-56	7.67E-55	Rerg
ENSMUSG00000095661.1	380.9923578	-2.819086899	2.72E-56	8.44E-55	RP23-2107.1
ENSMUSG00000033685.13	914.4235858	-2.84773257	3.01E-56	9.36E-55	Ucp2
ENSMUSG00000045038.14	1072.24807	3.875853895	3.65E-56	1.13E-54	Prkce
ENSMUSG00000026825.17	1781.378444	4.951153158	3.76E-56	1.17E-54	Dnm1
ENSMUSG00000030607.7	486.1735174	-4.79323699	3.82E-56	1.18E-54	Acan
ENSMUSG00000036002.12	552.8349445	2.867146283	4.99E-56	1.54E-54	Fam214b
ENSMUSG00000021792.15	490.474493	2.643782547	5.27E-56	1.63E-54	Fam213a
ENSMUSG00000037788.14	2995.677877	3.487042769	5.34E-56	1.65E-54	Vopp1
ENSMUSG00000004267.16	1106.708409	2.151649408	5.60E-56	1.73E-54	Eno2
ENSMUSG00000003279.16	322.9691007	4.256492992	5.72E-56	1.76E-54	Dlgap1
ENSMUSG00000033793.12	4340.500329	2.118546708	6.36E-56	1.95E-54	Atp6v1h
ENSMUSG00000020116.7	3682.578391	-1.876807995	6.75E-56	2.07E-54	Pno1
ENSMUSG00000025384.15	1491.239573	2.043865527	7.07E-56	2.17E-54	Faap100
ENSMUSG00000026360.9	1484.182677	2.785975778	9.67E-56	2.96E-54	Rgs2
ENSMUSG00000032011.5	193.9055829	-4.702566121	1.02E-55	3.11E-54	Thy1
ENSMUSG00000035105.5	485.6184474	-2.575705573	1.10E-55	3.38E-54	Egln3
ENSMUSG00000024921.17	1385.243969	2.365375069	1.11E-55	3.40E-54	Smarca2
ENSMUSG00000016346.17	3015.498046	5.536225709	1.21E-55	3.68E-54	Kcnq2
ENSMUSG00000020451.17	5448.279549	2.461222517	1.40E-55	4.27E-54	Limk2
ENSMUSG00000027993.16	4213.086414	1.683067948	1.47E-55	4.48E-54	Trim2
ENSMUSG00000029394.11	5999.031219	-2.217434321	1.49E-55	4.53E-54	Cdk2ap1
ENSMUSG00000025995.16	4583.13199	-1.762857947	1.52E-55	4.62E-54	Wdr75
ENSMUSG00000035873.8	1188.492783	-2.807681817	1.84E-55	5.57E-54	Pawr
ENSMUSG00000097164.2	198.4229746	4.705970377	2.01E-55	6.08E-54	Cep83os
ENSMUSG00000039982.7	2440.417153	3.381728094	2.43E-55	7.37E-54	Dtx4
ENSMUSG00000046997.5	504.9712613	2.444459091	2.69E-55	8.14E-54	Spsb4
ENSMUSG00000060487.7	2601.472056	2.983633652	2.74E-55	8.29E-54	Samd5
ENSMUSG00000078154.3	5454.747979	-2.297152635	3.53E-55	1.07E-53	RP23-14F5.5
ENSMUSG00000044499.11	202.1569304	4.66393191	4.04E-55	1.22E-53	Hs3st5
ENSMUSG00000039461.12	722.8431571	4.270705821	4.20E-55	1.26E-53	Tcta
ENSMUSG00000026058.11	383.8556244	5.237548479	4.37E-55	1.31E-53	Khdrbs2
ENSMUSG00000022015.8	263.9804213	-7.032267026	4.57E-55	1.37E-53	Tnfsf11
ENSMUSG00000034059.13	314.1622067	6.897004343	5.32E-55	1.59E-53	Ypel4
ENSMUSG00000007036.15	1033.140904	2.054442548	5.45E-55	1.63E-53	Abhd16a
ENSMUSG00000028587.18	1458.106866	-2.554166561	5.78E-55	1.73E-53	Orc1

ENSMUSG00000052056.14	2089.557906	-3.73784482	6.33E-55	1.89E-53	Zfp217
ENSMUSG00000020255.8	5048.667459	-2.305088434	7.59E-55	2.27E-53	RP24-227O16.1
ENSMUSG00000039530.17	7031.415249	2.165880887	8.00E-55	2.39E-53	Tusc3
ENSMUSG00000074825.4	479.8229289	-3.046842184	8.26E-55	2.46E-53	Itipr1l
ENSMUSG00000023266.11	440.4677602	4.052796636	8.93E-55	2.66E-53	Frs3
ENSMUSG00000059040.4	52829.90563	-2.305069192	9.89E-55	2.94E-53	Eno1b
ENSMUSG00000037653.7	200.3021882	5.609968866	1.02E-54	3.02E-53	Kctd8
ENSMUSG00000053819.16	1899.730343	2.72835836	1.02E-54	3.02E-53	Camk2d
ENSMUSG00000032368.14	1631.941728	2.888901013	1.02E-54	3.03E-53	Zic1
ENSMUSG00000095384.1	229.163804	4.724537937	1.07E-54	3.17E-53	RP24-63B17.5
ENSMUSG00000021986.8	948.1528044	3.154076024	1.08E-54	3.21E-53	Amer2
ENSMUSG00000023906.2	473.1104439	-2.48472668	1.15E-54	3.40E-53	Cldn6
ENSMUSG00000049556.5	1018.933907	4.317011684	1.33E-54	3.94E-53	Lingo1
ENSMUSG00000059361.6	332.09565	4.834133264	1.36E-54	4.02E-53	Nrsn2
ENSMUSG00000109122.1	525.3852418	7.971443651	1.45E-54	4.28E-53	RP24-439I22.9
ENSMUSG00000109565.1	694.613112	-2.774138631	1.63E-54	4.81E-53	RP24-425B15.2
ENSMUSG00000041360.7	5798.521287	-1.777584322	1.85E-54	5.43E-53	Pum3
ENSMUSG00000053062.16	1446.861435	3.419227925	1.85E-54	5.44E-53	Jam2
ENSMUSG00000027894.14	696.0954209	4.275901793	1.99E-54	5.83E-53	Slc6a17
ENSMUSG00000028796.17	3016.420869	2.216210464	2.01E-54	5.89E-53	Phc2
ENSMUSG00000032803.15	15031.63939	-1.813687941	2.03E-54	5.94E-53	Cdv3
ENSMUSG00000025743.14	6394.645181	4.049497206	2.22E-54	6.48E-53	Sdc3
ENSMUSG00000080712.3	474.8863234	5.349676126	2.53E-54	7.40E-53	Hist3h2bb-ps
ENSMUSG00000046191.7	355.4123642	5.500399821	2.69E-54	7.84E-53	Pcdhb20
ENSMUSG00000039578.17	402.3043307	6.501622686	3.07E-54	8.94E-53	Ccser1
ENSMUSG00000029591.14	1601.002273	-2.292609039	3.33E-54	9.70E-53	Ung
ENSMUSG00000045790.10	306.5045003	4.722337401	3.74E-54	1.09E-52	Ccdc149
ENSMUSG00000055214.15	204.5706411	5.461128382	4.25E-54	1.23E-52	Pld5
ENSMUSG00000022935.16	465.9692005	7.573023296	4.52E-54	1.31E-52	Grik1
ENSMUSG00000025212.16	1053.270935	3.350375794	4.86E-54	1.41E-52	Sfxn3
ENSMUSG00000015942.9	550.2296801	2.29437161	5.09E-54	1.47E-52	Gtf2ird2
ENSMUSG0000004110.16	828.7967242	7.683632237	5.17E-54	1.50E-52	Cacna1e
ENSMUSG00000092384.7	247.351666	-3.838880912	5.55E-54	1.60E-52	RP24-341K21.6
ENSMUSG00000028161.17	5725.936956	2.587949627	6.35E-54	1.83E-52	Ppp3ca
ENSMUSG00000047617.11	570.2037685	4.770489085	6.46E-54	1.86E-52	RP23-47P18.9
ENSMUSG00000056812.13	2602.813956	3.180284696	7.30E-54	2.10E-52	St8sia3
ENSMUSG00000048109.10	1777.445565	-1.809528166	7.46E-54	2.15E-52	Rbm15
ENSMUSG00000004633.17	553.4232743	3.79592668	1.03E-53	2.97E-52	Chn2
ENSMUSG00000082510.1	1446.694148	-1.860934836	1.10E-53	3.17E-52	RP23-400P17.7
ENSMUSG00000054034.10	680.0484182	2.495345698	1.14E-53	3.27E-52	Tceal5
ENSMUSG0000008575.17	516.4013855	2.633081181	1.18E-53	3.38E-52	Nfib
ENSMUSG00000002603.15	307.8859865	-3.971547086	1.29E-53	3.69E-52	Tgfb1
ENSMUSG00000049339.16	3857.767565	2.337714846	1.39E-53	3.98E-52	Fam134a
ENSMUSG00000034613.12	488.901133	3.429156793	1.45E-53	4.14E-52	Ppm1h
ENSMUSG00000032318.12	248.6735941	6.658153921	1.50E-53	4.29E-52	Isl2
ENSMUSG00000026277.14	4209.733022	1.689608611	1.61E-53	4.58E-52	Stk25
ENSMUSG00000053166.14	780.4988408	2.254941863	1.82E-53	5.17E-52	Cdh22
ENSMUSG00000026764.15	17217.89673	2.767748472	2.07E-53	5.88E-52	Kif5c
ENSMUSG00000049670.8	1408.085114	2.041677689	2.17E-53	6.15E-52	Morn4
ENSMUSG00000032324.11	8462.114149	1.708951681	2.45E-53	6.96E-52	Tspan3
ENSMUSG00000005360.14	2420.944938	-2.003881409	2.56E-53	7.26E-52	Slc1a3
ENSMUSG00000113419.1	893.5174675	-3.265200478	2.67E-53	7.55E-52	RP23-174O6.11
ENSMUSG00000020925.16	3229.999269	-1.669019189	2.80E-53	7.93E-52	Ccdc43
ENSMUSG00000022322.8	1961.881257	-1.921979828	2.81E-53	7.95E-52	Shcbp1
ENSMUSG00000052684.4	1997.700453	2.692494288	3.06E-53	8.64E-52	Jun
ENSMUSG00000084845.9	264.2401606	5.956757864	3.11E-53	8.76E-52	Tmem240
ENSMUSG00000022864.14	914.2296994	-2.36782171	3.12E-53	8.78E-52	D16Erd472e
ENSMUSG00000063146.11	2067.23477	3.510024731	3.16E-53	8.89E-52	Clip2
ENSMUSG00000031104.2	585.5455545	4.959005517	4.27E-53	1.20E-51	Rab33a
ENSMUSG00000115160.1	680.0906077	-2.1332784	4.86E-53	1.37E-51	RP23-48M16.12
ENSMUSG00000032058.14	7024.639051	-2.761360744	5.19E-53	1.46E-51	Ppp2r1b
ENSMUSG00000048616.4	337.3395594	3.968998159	6.84E-53	1.92E-51	Nog
ENSMUSG00000039385.5	861.4014968	4.461078034	6.88E-53	1.93E-51	Cdh6
ENSMUSG00000030322.12	1035.927571	-2.278874094	8.33E-53	2.33E-51	Mbd4
ENSMUSG00000091811.2	632.0206569	4.413098699	8.93E-53	2.49E-51	Inafm1
ENSMUSG00000034040.16	318.2768737	4.517076223	1.06E-52	2.97E-51	Wbscr17
ENSMUSG00000022894.6	226.8047064	4.208946583	1.12E-52	3.12E-51	Adamts5
ENSMUSG00000025216.9	694.1209283	9.367925506	1.14E-52	3.19E-51	Lbx1
ENSMUSG00000017724.14	1428.562702	-2.110411612	1.22E-52	3.41E-51	Etv4
ENSMUSG00000113728.1	488.2669084	-2.505912004	1.26E-52	3.51E-51	RP23-142A12.1
ENSMUSG00000046733.7	222.8656305	6.049617701	1.35E-52	3.74E-51	Gprc5a
ENSMUSG00000024012.17	10117.69351	2.775623704	1.48E-52	4.09E-51	Mtch1
ENSMUSG00000071064.13	1272.079341	2.164059778	1.95E-52	5.40E-51	Zfp827
ENSMUSG00000027804.13	5980.349478	-1.679927375	2.08E-52	5.76E-51	Ppid
ENSMUSG00000025375.15	802.4956894	3.566365707	2.24E-52	6.21E-51	Aatk
ENSMUSG00000036466.17	538.1130728	7.886608723	2.27E-52	6.28E-51	Megf11
ENSMUSG00000011832.15	1440.340843	4.003380518	2.30E-52	6.34E-51	Evi5l
ENSMUSG00000038777.19	1867.706867	2.409759651	2.58E-52	7.11E-51	Sema6c
ENSMUSG00000040964.16	1860.125614	3.164014386	2.65E-52	7.29E-51	Arhgef10l
ENSMUSG00000090624.1	1248.439533	-2.301495935	2.66E-52	7.31E-51	RP23-64D14.3
ENSMUSG00000039914.6	759.0130806	2.871288998	2.71E-52	7.46E-51	Coq10a
ENSMUSG00000033768.16	4655.724603	3.171815646	3.40E-52	9.35E-51	Nrxn2
ENSMUSG00000030189.15	12333.73991	-1.975392736	4.27E-52	1.17E-50	Ybx3

ENSMUSG00000008496.19	1081.131858	2.994035751	4.31E-52	1.18E-50	Pou2f2
ENSMUSG00000027834.15	1138.321506	3.14725496	4.66E-52	1.28E-50	Serpini1
ENSMUSG000000051065.9	1697.06285	1.834383334	4.88E-52	1.33E-50	Mb21d2
ENSMUSG000000063531.7	634.4920488	-3.042793755	5.05E-52	1.38E-50	Sema3e
ENSMUSG00000014846.12	996.2244282	4.43626087	5.35E-52	1.46E-50	Tppp3
ENSMUSG00000040616.3	534.0599426	-2.720831092	5.89E-52	1.61E-50	Tmem51
ENSMUSG00000021379.2	1372.942416	2.836327234	5.90E-52	1.61E-50	Id4
ENSMUSG000000062762.16	2316.685739	1.791282295	6.36E-52	1.73E-50	Ei24
ENSMUSG000000041718.15	4209.437766	-2.395299361	6.42E-52	1.74E-50	Alg13
ENSMUSG00000025764.14	2495.321849	-2.119358292	6.60E-52	1.79E-50	Jade1
ENSMUSG000000090919.6	261.817929	-3.20159822	6.64E-52	1.80E-50	Pabpc4l
ENSMUSG000000033498.14	1654.277547	-6.790219961	6.77E-52	1.83E-50	Strc
ENSMUSG000000063687.3	566.1029108	6.83002762	7.16E-52	1.94E-50	Pcdhb5
ENSMUSG00000047037.5	977.5025759	2.079734451	7.48E-52	2.02E-50	Nipa1
ENSMUSG000000042757.16	447.3016794	3.429468292	7.77E-52	2.10E-50	Tmem108
ENSMUSG000000056596.8	328.020712	4.051266718	7.98E-52	2.15E-50	Trnp1
ENSMUSG00000022020.15	585.2558391	-2.34421183	9.39E-52	2.53E-50	Naa16
ENSMUSG000000030283.7	956.3657218	4.1538565	1.03E-51	2.78E-50	St8sia1
ENSMUSG000000063632.6	29710.92072	3.016428314	1.10E-51	2.96E-50	Sox11
ENSMUSG000000038132.6	889.3861664	-3.242580087	1.27E-51	3.41E-50	Rbm24
ENSMUSG00000024070.15	2294.828959	-1.833532049	1.34E-51	3.61E-50	Prkd3
ENSMUSG000000020739.11	6603.764277	-1.597861804	1.46E-51	3.91E-50	Nup85
ENSMUSG000000027900.15	1147.565072	2.698510196	1.63E-51	4.37E-50	Dram2
ENSMUSG000000046709.16	1418.725139	4.463195397	1.64E-51	4.39E-50	Mapk10
ENSMUSG000000045763.8	15802.85312	2.725369903	1.71E-51	4.57E-50	Basp1
ENSMUSG000000040447.15	452.0557284	6.228247955	1.74E-51	4.64E-50	Spns2
ENSMUSG000000015488.14	2964.268111	1.851597972	1.76E-51	4.70E-50	Cacfd1
ENSMUSG000000032936.13	1166.012314	-2.702235179	1.86E-51	4.95E-50	Camkv
ENSMUSG000000039200.16	363.7701334	-2.868211553	2.03E-51	5.42E-50	Atf7ip2
ENSMUSG000000066800.11	719.2579922	3.575713852	2.15E-51	5.72E-50	Rnasel
ENSMUSG000000063887.13	514.3070938	8.715115709	2.40E-51	6.38E-50	Nlgn1
ENSMUSG00000027810.14	3635.916213	-1.662065407	2.74E-51	7.28E-50	Eif2a
ENSMUSG000000035864.14	3483.956693	4.179414866	2.92E-51	7.74E-50	Syt1
ENSMUSG000000003949.16	584.6815968	-3.572979816	2.99E-51	7.94E-50	Hlf
ENSMUSG000000075316.11	1178.012796	4.268150139	3.14E-51	8.32E-50	Scn9a
ENSMUSG000000060096.4	2841.63852	-1.861547123	3.46E-51	9.16E-50	Amd-ps3
ENSMUSG000000030401.16	2084.512102	2.592142559	4.23E-51	1.12E-49	Rtn2
ENSMUSG0000000034744.13	718.0824935	4.077204164	4.38E-51	1.16E-49	Nagk
ENSMUSG000000106847.1	770.9120772	4.110321402	4.51E-51	1.19E-49	Peg13
ENSMUSG0000000031066.10	1942.492086	3.416412422	4.73E-51	1.25E-49	Usp11
ENSMUSG000000026283.13	1942.89453	-2.14696406	4.82E-51	1.27E-49	Ing5
ENSMUSG000000026893.4	647.7503978	-2.724933654	5.47E-51	1.44E-49	Gca
ENSMUSG000000035575.11	4925.423684	-1.799526489	6.75E-51	1.78E-49	Utp6
ENSMUSG000000032047.5	1904.111621	1.986885547	8.01E-51	2.11E-49	Acat1
ENSMUSG000000074064.6	423.9419538	2.695628167	9.78E-51	2.57E-49	Mlycd
ENSMUSG000000027602.9	2878.53954	4.091768729	1.06E-50	2.78E-49	Map1lc3a
ENSMUSG000000026646.16	1535.095861	-1.851522882	1.09E-50	2.84E-49	Suv39h2
ENSMUSG000000057766.13	170.8624711	4.796498795	1.14E-50	2.99E-49	Ankr29
ENSMUSG000000046687.6	250.8700408	-2.957954207	1.28E-50	3.34E-49	RP23-402H19.3
ENSMUSG000000071379.2	1352.696083	2.25024428	1.35E-50	3.54E-49	Hpcal1
ENSMUSG000000020181.16	757.4707152	8.064160133	1.41E-50	3.68E-49	Nav3
ENSMUSG000000021071.16	652.5473132	8.399917193	1.60E-50	4.18E-49	Trim9
ENSMUSG000000044164.2	232.7359779	4.109094862	1.91E-50	4.97E-49	Rnf182
ENSMUSG000000047407.17	1359.430612	-2.146138956	2.11E-50	5.50E-49	Tgif1
ENSMUSG000000094626.1	362.9329944	5.781405313	2.26E-50	5.87E-49	Cecr6
ENSMUSG000000033159.14	1538.302056	1.815095023	2.65E-50	6.89E-49	Cnppd1
ENSMUSG000000022099.17	440.8314318	3.823741613	2.67E-50	6.93E-49	Dmtn
ENSMUSG000000033147.16	258.3048205	3.351111715	2.77E-50	7.19E-49	Slc22a15
ENSMUSG000000004929.12	3947.476278	-1.759789516	2.79E-50	7.23E-49	Thop1
ENSMUSG000000031139.15	275.3916609	-3.959711384	3.02E-50	7.80E-49	Mcf2
ENSMUSG000000022793.17	559.1666065	2.310047738	3.21E-50	8.30E-49	B4galt4
ENSMUSG000000090602.3	22354.0433	-2.25322579	3.26E-50	8.43E-49	RP23-192E11.1
ENSMUSG00000014859.9	3080.196494	-2.049011246	3.40E-50	8.76E-49	E2f4
ENSMUSG000000065353.1	286.0888505	-3.471994344	3.41E-50	8.79E-49	Snora73b
ENSMUSG00000021365.15	518.2868826	3.370023952	3.62E-50	9.32E-49	Nedd9
ENSMUSG000000036306.13	406.2044197	3.885482207	3.96E-50	1.02E-48	Lzts1
ENSMUSG000000058258.14	7872.18394	-1.80762706	3.98E-50	1.02E-48	Idi1
ENSMUSG000000040420.15	202.6838212	5.392943218	4.24E-50	1.09E-48	Cdh18
ENSMUSG000000036158.12	1841.172767	-2.258332016	4.47E-50	1.15E-48	Prickle1
ENSMUSG000000074887.4	172.2659332	-4.815498561	4.62E-50	1.18E-48	RP24-549E10.3
ENSMUSG000000020020.8	1103.910035	-5.065488309	4.94E-50	1.26E-48	Usp44
ENSMUSG000000031523.16	1453.597437	-3.16448687	5.30E-50	1.36E-48	Dlc1
ENSMUSG000000028804.20	214.3132915	3.626695709	5.44E-50	1.39E-48	Csm2
ENSMUSG000000054079.12	4786.77897	-1.644918797	6.00E-50	1.53E-48	Utp18
ENSMUSG000000032939.14	3772.726406	-1.98085777	6.34E-50	1.62E-48	Nup93
ENSMUSG000000036275.13	5595.646605	-2.018023996	6.47E-50	1.65E-48	RP23-289H16.2
ENSMUSG000000045180.13	9409.252169	-2.797751209	6.57E-50	1.67E-48	Shroom2
ENSMUSG000000069662.5	16964.18808	2.055442639	6.62E-50	1.68E-48	Marcks
ENSMUSG000000021838.17	851.1985103	-2.206139791	7.04E-50	1.79E-48	Samd4
ENSMUSG000000022887.9	495.0452114	2.735252566	7.58E-50	1.92E-48	Masp1
ENSMUSG000000015224.10	210.5759708	-3.896587307	8.77E-50	2.22E-48	Cyp2j9
ENSMUSG000000028789.16	303.3637428	3.678450539	8.92E-50	2.26E-48	Azin2
ENSMUSG000000058809.8	17831.68653	-2.126133481	9.99E-50	2.53E-48	Hspd1-ps3

ENSMUSG00000072594.3	1055.15289	-2.26642794	1.04E-49	2.62E-48	RP23-48M16.6
ENSMUSG00000062257.13	502.6737336	5.577661751	1.21E-49	3.06E-48	Opcml
ENSMUSG00000024785.6	2281.849792	-2.096145963	1.26E-49	3.17E-48	Rcl1
ENSMUSG00000032834.11	2701.648902	-2.016525339	1.46E-49	3.69E-48	Pwp2
ENSMUSG00000050107.2	1125.837295	-1.994985033	1.52E-49	3.84E-48	Gsg2
ENSMUSG00000030677.8	2695.674803	-1.907133237	1.62E-49	4.08E-48	Kif22
ENSMUSG00000109394.2	546.0534452	4.599623831	1.87E-49	4.70E-48	RP24-274B19.1
ENSMUSG00000031381.16	1330.993739	-1.971620173	1.95E-49	4.89E-48	Piga
ENSMUSG00000004798.14	2933.2869	3.428150969	1.96E-49	4.93E-48	Ulk2
ENSMUSG00000057818.8	199.3357132	6.137727233	2.09E-49	5.24E-48	RP24-67M24.2
ENSMUSG00000074748.3	11274.40414	1.799309071	2.14E-49	5.37E-48	Atxn713b
ENSMUSG00000031827.13	3954.273253	2.694922782	2.15E-49	5.39E-48	Cotl1
ENSMUSG00000020228.11	779.6291844	-3.030838025	2.29E-49	5.73E-48	Helb
ENSMUSG00000022136.8	2108.421843	-1.854584291	2.35E-49	5.87E-48	Dnajc3
ENSMUSG00000102331.1	298.2593355	3.914067639	2.66E-49	6.64E-48	RP23-122M2.3
ENSMUSG000000015217.11	6461.815903	1.872073422	3.03E-49	7.57E-48	Hmgb3
ENSMUSG00000045658.16	248.5371477	4.078486375	3.05E-49	7.59E-48	Pid1
ENSMUSG00000061024.8	2584.091082	-1.982955601	3.65E-49	9.08E-48	Rrs1
ENSMUSG00000021268.17	19844.91437	2.649033791	3.83E-49	9.53E-48	Meg3
ENSMUSG000000029594.12	1961.133548	-1.860704336	3.84E-49	9.53E-48	Rbm19
ENSMUSG00000038692.8	1059.140699	9.979168523	3.93E-49	9.77E-48	Hoxb4
ENSMUSG00000049536.5	806.2264222	2.641869592	4.04E-49	1.00E-47	Tceal1
ENSMUSG00000006586.15	2750.690277	2.525036989	4.86E-49	1.21E-47	Runx1t1
ENSMUSG00000014837.15	1857.373601	3.256415008	4.88E-49	1.21E-47	RP23-127B8.5
ENSMUSG00000060988.12	645.1814395	4.287420925	4.97E-49	1.23E-47	Gaint13
ENSMUSG00000116864.1	988.2214972	-1.991069507	5.01E-49	1.24E-47	RP23-376G3.1
ENSMUSG000000045377.5	751.3985074	-2.487812771	5.50E-49	1.36E-47	Tmem88
ENSMUSG00000048334.8	967.0449749	-3.119984139	5.72E-49	1.41E-47	RP23-44A4.1
ENSMUSG00000020572.8	5428.611639	-2.089564062	6.71E-49	1.65E-47	Mampt
ENSMUSG00000028879.4	3511.180716	1.699551476	6.76E-49	1.66E-47	Stx12
ENSMUSG000000028560.11	3684.042728	-1.994275922	6.79E-49	1.67E-47	Usp1
ENSMUSG00000004885.5	1603.257171	3.411627724	7.59E-49	1.86E-47	Crabp2
ENSMUSG00000034730.17	1298.716066	2.884742812	9.73E-49	2.39E-47	Adgrb1
ENSMUSG000000026203.16	967.9431849	2.291305062	1.17E-48	2.87E-47	Dnajb2
ENSMUSG000000025915.14	219.8057835	-3.671716747	1.20E-48	2.94E-47	Sgk3
ENSMUSG00000001062.18	832.6173008	2.445278696	1.44E-48	3.52E-47	Vps9d1
ENSMUSG000000040794.5	665.0638736	5.068611757	1.56E-48	3.81E-47	C1qtnf4
ENSMUSG000000027012.15	9549.181334	2.213167618	1.69E-48	4.14E-47	Dync1i2
ENSMUSG00000095595.2	757.9755664	2.132596706	1.93E-48	4.71E-47	Fam177a
ENSMUSG00000105558.1	7573.630264	-2.279055395	1.94E-48	4.74E-47	RP23-349J3.8
ENSMUSG00000079022.10	442.5110169	2.967927108	2.06E-48	5.04E-47	Col22a1
ENSMUSG000000019850.11	388.0646979	-2.737088889	2.15E-48	5.24E-47	Tnfaip3
ENSMUSG00000109946.1	348.7188609	4.239224361	2.16E-48	5.26E-47	RP23-328F3.4
ENSMUSG00000110605.1	373.5096922	-2.938227495	2.31E-48	5.62E-47	RP24-122D14.3
ENSMUSG00000116912.1	3223.498238	-1.6022543	2.52E-48	6.12E-47	RP24-85G10.1
ENSMUSG000000027270.14	240.9842055	6.723096979	2.62E-48	6.35E-47	Lamp5
ENSMUSG00000013160.7	4963.047184	2.456926326	2.76E-48	6.69E-47	Atp6v0d1
ENSMUSG00000105712.1	208.131543	-6.700718414	2.88E-48	6.97E-47	RP23-257P11.2
ENSMUSG000000048960.13	6570.788383	-4.587829555	2.92E-48	7.06E-47	Prex2
ENSMUSG00000032763.11	804.8763518	2.404916226	3.00E-48	7.25E-47	Ilvbl
ENSMUSG00000002718.14	10715.88359	-2.012166452	3.05E-48	7.38E-47	Cse1l
ENSMUSG00000096696.1	855.2931566	-2.150277518	3.14E-48	7.58E-47	Zfp960
ENSMUSG000000064293.14	218.2130893	6.019334368	3.48E-48	8.40E-47	Cntn4
ENSMUSG00000006362.16	512.6156965	5.704228057	3.76E-48	9.07E-47	Cbfa2t3
ENSMUSG00000094103.2	757.9453835	2.134637431	3.77E-48	9.07E-47	RP24-491I24.3
ENSMUSG000000035726.8	14286.29188	-1.945792239	3.92E-48	9.43E-47	Supt16
ENSMUSG000000029810.15	735.279846	3.338806999	4.06E-48	9.77E-47	Tmem176b
ENSMUSG00000005566.14	27732.60687	-1.470278833	4.49E-48	1.08E-46	Trim28
ENSMUSG00000059923.13	5586.610419	1.581166699	4.53E-48	1.09E-46	Grb2
ENSMUSG000000045672.15	263.9584351	-3.27714539	4.66E-48	1.12E-46	Col27a1
ENSMUSG00000021116.10	7255.232896	-1.707881779	4.82E-48	1.15E-46	Eif2s1
ENSMUSG00000034926.3	14962.97247	-1.766456687	5.55E-48	1.33E-46	Dhcr24
ENSMUSG00000031442.20	1946.716904	3.538508889	6.88E-48	1.65E-46	Mcf2l
ENSMUSG000000033707.9	252.7516576	5.885077544	7.37E-48	1.76E-46	Lrrc24
ENSMUSG00000004270.13	2828.968727	-1.865840405	7.40E-48	1.77E-46	Lpcat3
ENSMUSG00000031736.11	298.8626209	2.82160401	7.50E-48	1.79E-46	Crnde
ENSMUSG000000029120.10	1270.301034	3.486083654	9.71E-48	2.31E-46	Ppp2r2c
ENSMUSG000000007944.8	834.7621128	8.504918253	1.04E-47	2.47E-46	Ttc9b
ENSMUSG00000034773.16	985.3405555	-1.858690987	1.07E-47	2.55E-46	RP23-461C4.3
ENSMUSG00000031379.13	825.85968	-3.411517476	1.09E-47	2.59E-46	Pir
ENSMUSG000000058441.7	395.2036755	3.235064361	1.15E-47	2.74E-46	Panx2
ENSMUSG00000024130.15	1975.482323	4.4007067	1.21E-47	2.87E-46	Abca3
ENSMUSG00000095567.7	13515.93179	-1.53852444	1.22E-47	2.88E-46	Noc2l
ENSMUSG00000052949.14	1658.36944	4.117702007	1.34E-47	3.17E-46	Rnf157
ENSMUSG000000063296.5	196.9358684	6.120765565	1.42E-47	3.37E-46	Tmem117
ENSMUSG00000028698.13	2294.934449	3.285997843	1.45E-47	3.43E-46	Pik3r3
ENSMUSG00000045876.4	277.2404724	5.060149901	1.46E-47	3.45E-46	Pcdhb8
ENSMUSG00000022814.6	5261.471787	-1.740277138	1.55E-47	3.65E-46	Umps
ENSMUSG000000022283.15	47018.34195	-1.638307153	1.64E-47	3.87E-46	Pabpc1
ENSMUSG00000043518.7	422.1989134	3.253630459	1.72E-47	4.04E-46	Rai2
ENSMUSG00000024556.3	2413.743817	-1.75887273	1.82E-47	4.29E-46	Me2
ENSMUSG00000025389.7	273.2580239	-4.062529667	1.95E-47	4.58E-46	Mip
ENSMUSG00000032507.15	436.5981607	3.812596064	2.15E-47	5.06E-46	Fbxl2

ENSMUSG00000054263.12	5489.85867	-3.807620125	2.19E-47	5.15E-46	Lifr
ENSMUSG00000032615.14	882.9392726	2.798716254	2.28E-47	5.36E-46	Nt5m
ENSMUSG00000049969.3	1161.795215	-1.792990293	2.30E-47	5.38E-46	Plekhf2
ENSMUSG00000048347.5	316.5441987	3.933591414	2.52E-47	5.91E-46	Pcdhb18
ENSMUSG000000081778.1	134.9042088	-4.424420854	2.63E-47	6.15E-46	RP23-199A9.2
ENSMUSG00000038644.14	2537.080849	-1.641127059	2.66E-47	6.23E-46	Pold1
ENSMUSG00000032968.4	207.9420035	4.709643084	2.69E-47	6.28E-46	Inha
ENSMUSG00000022012.9	369.1245603	4.381602539	3.42E-47	7.99E-46	Enox1
ENSMUSG000000031913.9	1981.655841	1.881603945	3.91E-47	9.13E-46	Vps4a
ENSMUSG00000025034.8	1683.319596	2.127858011	4.43E-47	1.03E-45	Trim8
ENSMUSG00000041986.16	263.82698	6.151367132	4.73E-47	1.10E-45	Elmod1
ENSMUSG00000025572.17	582.2425326	-3.163335547	5.30E-47	1.23E-45	Tmc6
ENSMUSG00000024151.13	5776.696317	-1.496510622	5.34E-47	1.24E-45	Msh2
ENSMUSG00000003948.17	1842.73499	1.947588039	5.39E-47	1.25E-45	Mmd
ENSMUSG000000095139.2	169.0275931	5.808113009	5.46E-47	1.27E-45	Pou3f2
ENSMUSG000000024462.17	5726.543333	3.979146893	5.61E-47	1.30E-45	Gabbr1
ENSMUSG00000023328.14	588.3896844	8.914044655	5.65E-47	1.31E-45	Ache
ENSMUSG000000037649.9	420.0665675	2.601191416	5.69E-47	1.32E-45	H2-DMa
ENSMUSG00000029005.4	808.332293	3.891325469	5.80E-47	1.34E-45	Draxin
ENSMUSG000000027010.16	1658.524281	2.842230579	6.01E-47	1.39E-45	Slc25a12
ENSMUSG00000113510.1	786.2861979	-3.228857644	6.29E-47	1.45E-45	RP23-86H21.3
ENSMUSG00000040913.10	291.2573162	2.955859859	6.91E-47	1.59E-45	Fbxw4
ENSMUSG000000004415.15	162.7356526	4.109761883	8.21E-47	1.89E-45	Col26a1
ENSMUSG000000006731.10	1010.052375	2.152729209	8.29E-47	1.91E-45	B4galnt1
ENSMUSG00000021952.16	4558.437387	-2.658927159	8.66E-47	1.99E-45	Xpo4
ENSMUSG00000029093.14	1657.936565	2.555185861	8.93E-47	2.05E-45	Sorcs2
ENSMUSG000000038280.12	1888.07863	1.834789567	9.76E-47	2.24E-45	Ostm1
ENSMUSG00000097131.1	179.8196479	4.14735541	9.82E-47	2.25E-45	D230017M19Rik
ENSMUSG00000025408.15	644.553902	4.283304911	1.03E-46	2.35E-45	Ddit3
ENSMUSG000000044628.4	441.4337879	3.019059154	1.04E-46	2.37E-45	Rnf208
ENSMUSG000000001247.16	3401.004113	-2.144857718	1.06E-46	2.42E-45	Lsr
ENSMUSG00000020151.16	328.9699335	7.407406961	1.14E-46	2.60E-45	Ptprr
ENSMUSG000000043498.3	351.6148393	5.487232494	1.26E-46	2.88E-45	9330132A10Rik
ENSMUSG000000056824.15	297.9862566	6.400643762	1.27E-46	2.90E-45	Zfp663
ENSMUSG000000039682.12	4170.058494	-1.94166457	1.30E-46	2.97E-45	Lap3
ENSMUSG00000028637.15	264.7987787	3.603848763	1.44E-46	3.28E-45	Ccdc30
ENSMUSG000000033060.15	397.5888644	-2.766859935	1.49E-46	3.39E-45	Lmo7
ENSMUSG000000058975.7	483.9468809	1.5268809	7.73992662	3.46E-45	Kcnc1
ENSMUSG000000031647.10	951.0468053	-3.403210942	1.54E-46	3.50E-45	Mfap3l
ENSMUSG000000047238.4	5075.512026	2.967986793	1.58E-46	3.58E-45	Mageh1
ENSMUSG000000053702.16	236.8442779	3.479778045	1.80E-46	4.08E-45	Nebl
ENSMUSG000000041298.15	627.8237993	3.586183073	1.86E-46	4.21E-45	Katnal1
ENSMUSG00000020205.8	778.9378937	3.528238526	1.89E-46	4.29E-45	Phlda1
ENSMUSG000000070366.5	377.921896	5.844482002	2.19E-46	4.96E-45	Ppapdc1a
ENSMUSG000000023886.9	161.8193606	3.957689212	2.46E-46	5.56E-45	Smoc2
ENSMUSG000000025875.14	749.6730874	3.170480136	2.75E-46	6.22E-45	Tspan17
ENSMUSG000000079317.10	1794.069623	2.342542709	2.97E-46	6.70E-45	Trappc2
ENSMUSG000000040195.11	2941.311859	-3.297958236	3.14E-46	7.09E-45	Tmem194
ENSMUSG000000048600.7	634.1649176	3.509169659	3.35E-46	7.55E-45	RP23-39H12.3
ENSMUSG000000039278.10	4692.120356	4.272094958	3.58E-46	8.06E-45	Pcsk1n
ENSMUSG000000039770.5	1349.368977	3.059938417	3.67E-46	8.27E-45	Ypel5
ENSMUSG00000002835.8	3684.83464	-1.622935902	3.72E-46	8.36E-45	Chaf1a
ENSMUSG000000019836.5	1902.782046	-1.841434013	3.82E-46	8.59E-45	Amd-ps4
ENSMUSG000000045062.4	318.7402118	6.740512419	5.10E-46	1.14E-44	Pcdhb7
ENSMUSG000000035351.16	1315.818184	-2.083870553	5.17E-46	1.16E-44	Nup37
ENSMUSG00000000126.11	410.536677	8.390016677	5.44E-46	1.22E-44	Wnt9a
ENSMUSG000000040728.15	152.3858574	-4.273231514	5.60E-46	1.26E-44	Esrp1
ENSMUSG000000072419.5	141.5025651	-5.353708907	6.14E-46	1.37E-44	Dppa2
ENSMUSG000000037843.6	592.2157942	3.335460534	6.23E-46	1.39E-44	Vstm2l
ENSMUSG000000050700.11	345.5956499	-2.996728195	6.44E-46	1.44E-44	Emilin3
ENSMUSG000000040274.11	2049.995038	-2.177895477	6.47E-46	1.44E-44	Cdk6
ENSMUSG000000045005.9	1048.209757	-3.412085733	6.47E-46	1.44E-44	Fzd5
ENSMUSG000000015354.8	602.2934146	-3.214508046	6.73E-46	1.50E-44	Pcolce2
ENSMUSG000000046808.17	2453.124268	-4.029455425	6.92E-46	1.54E-44	Atp10d
ENSMUSG000000039611.2	1456.961162	2.38934094	6.98E-46	1.55E-44	Tmem246
ENSMUSG000000033308.16	207.7125274	5.669820036	7.03E-46	1.56E-44	Dpyd
ENSMUSG000000022442.16	1415.192221	2.410119909	7.22E-46	1.60E-44	Ttll1
ENSMUSG000000054452.10	3621.563788	2.859204225	7.94E-46	1.76E-44	Aes
ENSMUSG000000022951.16	1859.408863	1.766444492	9.25E-46	2.05E-44	Rcan1
ENSMUSG000000037049.9	1988.802591	1.994710921	1.03E-45	2.28E-44	Smpd1
ENSMUSG00000104597.1	414.2153556	7.112994041	1.05E-45	2.33E-44	RP24-68G17.4
ENSMUSG000000038299.15	3755.678643	-1.791586362	1.11E-45	2.47E-44	Wdr36
ENSMUSG000000033285.15	4780.178617	-2.034307389	1.15E-45	2.53E-44	Wdr3
ENSMUSG000000031202.5	1116.064023	1.959362512	1.16E-45	2.56E-44	Rab39b
ENSMUSG000000044254.6	349.2666352	-2.466552805	1.25E-45	2.77E-44	Pcsk9
ENSMUSG00000002297.16	3728.465986	-1.878173629	1.28E-45	2.82E-44	Dbf4
ENSMUSG000000032327.14	456.2788754	4.034641255	1.29E-45	2.84E-44	Stra6
ENSMUSG000000016984.7	2427.322441	-1.630766839	1.36E-45	3.00E-44	Etaa1
ENSMUSG000000019188.16	2838.690903	1.661393837	1.62E-45	3.58E-44	H13
ENSMUSG00000024078.6	1833.960405	-1.811304964	1.63E-45	3.59E-44	Ttc27
ENSMUSG000000023940.14	1631.790826	-2.17646582	1.66E-45	3.65E-44	Sgol1
ENSMUSG000000044393.15	1020.056817	-5.762220977	1.77E-45	3.89E-44	Dsg2
ENSMUSG000000024424.14	375.1785184	2.359889394	1.84E-45	4.04E-44	Ttc39c

ENSMUSG00000031360.14	3070.660618	1.598360902	1.98E-45	4.34E-44	Ctps2
ENSMUSG00000022241.6	7153.904878	-1.571614678	2.02E-45	4.43E-44	Tars
ENSMUSG00000024330.16	547.0627626	4.21733792	2.19E-45	4.79E-44	Col11a2
ENSMUSG00000027329.9	243.4270782	3.349100677	2.21E-45	4.82E-44	Spef1
ENSMUSG00000039748.11	2394.882048	-2.083122178	2.53E-45	5.53E-44	Exo1
ENSMUSG00000022678.16	2495.382027	-1.636093414	2.61E-45	5.71E-44	Nde1
ENSMUSG00000023861.17	452.2742257	3.509323715	2.63E-45	5.74E-44	Mpc1
ENSMUSG00000027536.6	162.4841241	-5.315448927	2.73E-45	5.94E-44	Chmp4c
ENSMUSG000000081603.1	37728.25722	-2.19844713	2.73E-45	5.95E-44	RP23-152G20.2
ENSMUSG00000001305.5	2405.224291	-2.084308178	2.95E-45	6.43E-44	Rrp15
ENSMUSG00000044968.16	427.5181206	-2.496211906	3.03E-45	6.60E-44	Napepld
ENSMUSG00000024053.10	815.811409	-2.650801464	3.28E-45	7.13E-44	Emilin2
ENSMUSG00000044702.13	699.7558694	-2.036214713	3.52E-45	7.65E-44	Palb2
ENSMUSG00000034685.4	5002.942152	2.673800742	3.72E-45	8.07E-44	Fam171a2
ENSMUSG00000037594.11	348.2087181	2.519903229	3.90E-45	8.44E-44	RP24-380G7.1
ENSMUSG00000026872.17	1800.063686	-3.207722761	4.15E-45	8.99E-44	Zeb2
ENSMUSG00000042388.14	843.9284323	3.287193165	5.03E-45	1.09E-43	Dlgap3
ENSMUSG00000057897.14	2785.525747	3.176686351	5.57E-45	1.20E-43	Camk2b
ENSMUSG00000074622.4	189.2918371	5.293393374	5.77E-45	1.25E-43	Mafb
ENSMUSG000000047747.10	776.4446008	4.003121784	5.93E-45	1.28E-43	Rnf150
ENSMUSG00000050917.5	540.6713209	-9.46003105	6.25E-45	1.35E-43	Fgf4
ENSMUSG00000022557.11	4725.313441	-1.615638342	6.31E-45	1.36E-43	Bop1
ENSMUSG00000024059.10	582.2145254	2.393442735	6.80E-45	1.47E-43	Clip4
ENSMUSG00000002107.18	2999.946938	2.132998179	6.99E-45	1.51E-43	Celf2
ENSMUSG00000029910.14	3259.406914	-1.688830439	7.32E-45	1.57E-43	Mad2l1
ENSMUSG00000020629.12	899.4319041	-1.819204328	7.65E-45	1.64E-43	Adi1
ENSMUSG000000097415.2	1430.060543	-3.072137471	8.10E-45	1.74E-43	RP23-285C18.2
ENSMUSG00000025422.9	1328.456133	4.299064475	8.32E-45	1.78E-43	Agap2
ENSMUSG00000038390.11	1378.412749	1.812074786	8.42E-45	1.80E-43	Gpr162
ENSMUSG00000020032.14	1334.321224	1.909654581	8.84E-45	1.89E-43	Nuak1
ENSMUSG000000028782.14	1020.674917	2.954812087	9.02E-45	1.93E-43	Adgrb2
ENSMUSG00000024645.4	948.0104046	-1.812677427	9.80E-45	2.10E-43	Timm21
ENSMUSG00000035781.14	3077.604207	1.727013443	9.85E-45	2.11E-43	R3hdm4
ENSMUSG00000078307.3	235.6608621	6.683153704	1.02E-44	2.18E-43	RP23-35N23.2
ENSMUSG00000042182.16	180.0778416	5.275603036	1.08E-44	2.30E-43	Bend6
ENSMUSG000000080840.1	397.5106231	-2.266745645	1.10E-44	2.34E-43	RP23-313115.1
ENSMUSG00000036533.8	699.5014632	2.893949529	1.16E-44	2.47E-43	Cdc42ep3
ENSMUSG00000003868.14	5523.989614	-1.612609996	1.23E-44	2.61E-43	Ruvbl2
ENSMUSG00000024613.16	6485.567722	-2.158195155	1.28E-44	2.73E-43	Tcof1
ENSMUSG00000047757.16	1009.006322	-2.41827881	1.42E-44	3.02E-43	Fancb
ENSMUSG00000048562.7	259.612418	3.113048415	1.45E-44	3.07E-43	Sp8
ENSMUSG00000026018.12	338.1196272	8.108031016	1.62E-44	3.44E-43	Ica1l
ENSMUSG00000029419.8	279.8778768	5.182197452	1.80E-44	3.82E-43	Gm996
ENSMUSG00000015222.17	7418.83553	4.472584433	2.21E-44	4.68E-43	Map2
ENSMUSG000000087184.1	145.6380607	4.696250645	2.31E-44	4.89E-43	RP23-329L1.1
ENSMUSG00000040867.12	658.1692081	4.948210776	2.37E-44	5.01E-43	Begain
ENSMUSG00000033863.1	504.1504612	-3.112902161	2.41E-44	5.08E-43	Kif9
ENSMUSG00000077450.12	4024.624068	1.75062194	2.44E-44	5.15E-43	Rab11b
ENSMUSG00000042988.10	160.1327985	5.222448112	2.67E-44	5.63E-43	Notum
ENSMUSG00000034164.17	314.674002	4.10130965	2.83E-44	5.98E-43	Emid1
ENSMUSG00000040797.16	928.3401471	9.789701177	3.60E-44	7.59E-43	Iqsec3
ENSMUSG00000054277.8	513.9512846	2.460992953	3.84E-44	8.09E-43	Arfgap3
ENSMUSG000000031111.16	436.9380108	-2.711702771	3.97E-44	8.34E-43	Igsf1
ENSMUSG00000049327.17	3735.899685	-1.525801678	4.35E-44	9.13E-43	Setd8
ENSMUSG00000029463.5	1665.795098	1.718055844	4.68E-44	9.83E-43	Fam216a
ENSMUSG00000046157.13	1326.462106	3.065487536	4.71E-44	9.89E-43	Tmem229b
ENSMUSG00000027574.15	502.1640278	8.019018522	4.74E-44	9.93E-43	Nkain4
ENSMUSG00000009097.10	154.7656943	-3.871203435	4.86E-44	1.02E-42	Tbx1
ENSMUSG00000105452.1	481.2855214	-2.908554278	4.94E-44	1.03E-42	RP23-234F9.2
ENSMUSG000000058392.12	3835.485216	-2.541769993	5.46E-44	1.14E-42	Rrp1b
ENSMUSG00000021056.8	139.1843464	-3.92088215	5.90E-44	1.23E-42	Tex21
ENSMUSG00000032946.16	635.4059719	-1.993744928	6.02E-44	1.26E-42	Rasgrp2
ENSMUSG00000027555.8	514.3959061	-2.517563213	6.57E-44	1.37E-42	Car13
ENSMUSG000000025889.13	1093.742784	3.216557838	7.04E-44	1.47E-42	Snca
ENSMUSG00000034403.16	4714.285292	1.568239866	7.21E-44	1.50E-42	Pja1
ENSMUSG00000040387.16	180.1420962	3.900227933	7.78E-44	1.62E-42	Klhl32
ENSMUSG00000027792.11	491.5679571	-2.367459649	8.64E-44	1.80E-42	Bche
ENSMUSG000000054459.8	248.8009506	7.295079302	8.80E-44	1.83E-42	Vsn1
ENSMUSG000000055409.14	156.0537436	5.448811197	9.43E-44	1.96E-42	Nell1
ENSMUSG00000039239.14	360.8068968	2.978791551	9.46E-44	1.96E-42	Tgfb2
ENSMUSG00000037169.15	4336.298796	-2.07081508	1.02E-43	2.11E-42	Mycn
ENSMUSG00000069008.3	21488.78157	-1.985456673	1.06E-43	2.20E-42	RP24-279N5.1
ENSMUSG00000001248.15	4943.67778	1.850434004	1.09E-43	2.25E-42	Gramd1a
ENSMUSG000000066632.3	21490.34361	-1.98551072	1.11E-43	2.29E-42	Pgk1-rs7
ENSMUSG000000081792.4	1869.26465	-2.09543213	1.11E-43	2.30E-42	Anp32b-ps1
ENSMUSG00000070705.3	374.9997358	2.715853321	1.20E-43	2.48E-42	Eid2b
ENSMUSG00000033029.12	257.3398062	4.498839352	1.47E-43	3.04E-42	RP23-414K1.4
ENSMUSG00000001082.12	594.4032234	-2.102587637	1.48E-43	3.05E-42	Mfsd10
ENSMUSG00000031578.5	3475.413163	-1.72665515	1.50E-43	3.09E-42	Mak16
ENSMUSG00000048763.11	1147.255224	10.68078116	1.53E-43	3.15E-42	Hoxb3
ENSMUSG00000017861.11	2411.443463	-1.960672353	1.71E-43	3.52E-42	Mybl2
ENSMUSG00000029003.11	1940.491833	1.585831983	1.81E-43	3.72E-42	Mad2l2
ENSMUSG00000005410.6	8150.240825	-1.442499068	1.93E-43	3.97E-42	Mcm5

ENSMUSG00000004207.14	19824.60813	1.579519775	1.98E-43	4.07E-42	Psap
ENSMUSG00000116423.1	2496.985461	-2.730410857	2.11E-43	4.32E-42	RP23-136L14.2
ENSMUSG000000045179.9	730.3812667	-1.938223199	2.25E-43	4.62E-42	Sox3
ENSMUSG000000034993.7	8987.408017	1.471530902	2.34E-43	4.80E-42	Vat1
ENSMUSG000000030225.11	861.8586601	-2.505313266	2.42E-43	4.96E-42	Dera
ENSMUSG00000029270.10	830.7058566	2.009786023	2.64E-43	5.40E-42	Fam69a
ENSMUSG000000095193.1	189.493357	-3.217596904	2.64E-43	5.40E-42	Gm20939
ENSMUSG00000109121.1	297.1157833	2.857544387	2.66E-43	5.45E-42	RP24-236C17.2
ENSMUSG000000070858.12	1537.204674	5.949943551	2.76E-43	5.64E-42	AC163329.3
ENSMUSG00000025228.4	7279.461407	1.439175442	2.86E-43	5.83E-42	Actr1a
ENSMUSG000000032905.4	2300.040317	1.678384862	3.08E-43	6.27E-42	Atg12
ENSMUSG000000047514.6	2644.662682	1.664456132	3.10E-43	6.32E-42	Tspyl1
ENSMUSG000000031007.2	5648.665678	1.498273449	3.16E-43	6.44E-42	Atp6ap2
ENSMUSG000000022658.10	527.919999	4.944277071	3.23E-43	6.57E-42	Tagln3
ENSMUSG000000030814.17	2294.34336	1.610516664	3.26E-43	6.63E-42	Bcl1c
ENSMUSG000000028312.19	5538.380295	-1.514590384	3.52E-43	7.16E-42	Smc2
ENSMUSG000000030499.9	1058.484024	2.52892563	3.64E-43	7.40E-42	Kctd15
ENSMUSG000000060572.17	1157.718334	2.052321049	3.66E-43	7.43E-42	Mfap2
ENSMUSG00000022034.10	1284.656165	-2.046695354	3.78E-43	7.66E-42	Esco2
ENSMUSG000000032193.9	4191.49181	-3.038436117	4.57E-43	9.25E-42	Ldlr
ENSMUSG000000035504.16	527.6192528	-2.782826757	4.64E-43	9.39E-42	Reep6
ENSMUSG000000040813.16	1040.245925	2.944615476	4.64E-43	9.39E-42	Tex264
ENSMUSG000000054555.11	3122.072479	-4.493739797	5.67E-43	1.15E-41	Adam12
ENSMUSG000000051502.6	333.504538	2.743048623	5.86E-43	1.18E-41	Ufsp1
ENSMUSG000000031166.13	2556.827881	3.365113534	6.22E-43	1.26E-41	Wdr13
ENSMUSG000000053825.15	644.8059	8.689631153	6.29E-43	1.27E-41	Ppfia2
ENSMUSG000000003436.11	347.7878983	-2.624867981	6.87E-43	1.38E-41	Dil3
ENSMUSG000000028693.15	24460.40814	-1.433657524	7.50E-43	1.51E-41	Nasp
ENSMUSG000000019877.10	13409.63398	2.094723354	7.68E-43	1.54E-41	Serinc1
ENSMUSG000000047379.6	1376.458212	2.383619163	7.71E-43	1.55E-41	B4gat1
ENSMUSG000000027272.3	319.4767548	3.749245145	8.48E-43	1.70E-41	Grcc10
ENSMUSG000000044667.12	356.3642816	3.538584416	8.58E-43	1.72E-41	Plppr4
ENSMUSG000000006373.10	15646.00359	2.043222358	9.42E-43	1.89E-41	Pgrmc1
ENSMUSG000000030035.14	1739.491039	2.418492946	9.60E-43	1.93E-41	Wbp1
ENSMUSG000000062929.8	3761.858068	1.603107557	1.02E-42	2.05E-41	Cfl2
ENSMUSG000000050640.16	609.3044269	3.21427607	1.03E-42	2.06E-41	Tmem150c
ENSMUSG000000016349.10	239.1820252	2.91816365	1.24E-42	2.48E-41	Eef1a2
ENSMUSG000000046668.8	3322.747303	1.774310477	1.26E-42	2.53E-41	Cxxc5
ENSMUSG000000019214.13	1473.226672	-2.138536981	1.27E-42	2.54E-41	Chtf18
ENSMUSG000000031534.15	450.5284287	3.290091625	1.29E-42	2.57E-41	Smim19
ENSMUSG000000059146.12	1287.576717	4.349635055	1.37E-42	2.72E-41	Ntrk3
ENSMUSG000000018583.5	21880.73102	-1.413526256	1.39E-42	2.77E-41	G3bp1
ENSMUSG000000028341.9	245.3942959	4.030935992	1.47E-42	2.93E-41	Nr4a3
ENSMUSG000000019773.7	2618.053507	-2.228226352	1.54E-42	3.06E-41	Fbxo5
ENSMUSG000000030226.12	329.7323114	3.342856687	1.69E-42	3.36E-41	Lmo3
ENSMUSG000000032376.12	1347.592452	2.141735335	1.83E-42	3.64E-41	Usp3
ENSMUSG000000003153.10	19224.92593	-2.350518662	1.95E-42	3.87E-41	Slc2a3
ENSMUSG000000095990.1	740.1982266	-2.185399929	2.09E-42	4.16E-41	Zfp97
ENSMUSG000000029878.6	378.9775417	8.495220192	2.24E-42	4.44E-41	RP23-182N12.4
ENSMUSG000000028023.16	281.6630763	-2.552899858	2.33E-42	4.61E-41	Pitx2
ENSMUSG000000036111.8	245.2185141	3.696585312	2.75E-42	5.44E-41	Lmo1
ENSMUSG000000035861.6	298.7760911	-2.782399236	2.79E-42	5.52E-41	Tmprss11b
ENSMUSG000000047842.7	180.8118177	4.924164639	2.79E-42	5.52E-41	Diras2
ENSMUSG000000043531.16	659.8405931	5.088220379	2.83E-42	5.59E-41	Sorcs1
ENSMUSG000000033350.7	1389.854224	2.149281505	2.92E-42	5.77E-41	Chst2
ENSMUSG000000020788.15	309.3095992	-3.183238984	2.97E-42	5.85E-41	Atp2a3
ENSMUSG000000031812.16	4971.549079	2.261279001	3.17E-42	6.25E-41	Map11c3b
ENSMUSG00000112546.1	5237.982973	-1.657894371	3.24E-42	6.38E-41	RP24-427L24.1
ENSMUSG000000030867.7	3269.182298	-2.222214853	3.64E-42	7.17E-41	Pik1
ENSMUSG000000039989.7	701.4263265	3.62312519	4.45E-42	8.76E-41	Cbx4
ENSMUSG000000027395.15	2779.756766	-3.150902694	4.56E-42	8.95E-41	Poir1b
ENSMUSG000000042532.14	643.9428052	9.519803937	4.74E-42	9.31E-41	Golga7b
ENSMUSG00000004231.15	243.4890998	5.611411378	4.96E-42	9.73E-41	Pax2
ENSMUSG000000046807.10	369.0036271	5.40494671	5.60E-42	1.10E-40	Lrrc75b
ENSMUSG000000099881.1	376.659457	2.436258767	6.27E-42	1.23E-40	RP23-460F21.1
ENSMUSG000000067242.11	144.4264465	4.829909291	6.71E-42	1.31E-40	Lgi1
ENSMUSG000000041757.16	1453.789124	4.981974985	6.90E-42	1.35E-40	Plekha6
ENSMUSG000000003348.10	1063.941686	1.848447503	7.00E-42	1.37E-40	Mob3a
ENSMUSG000000069763.3	212.4442302	-2.920612846	7.11E-42	1.39E-40	Tmem100
ENSMUSG000000097545.7	402.8557982	4.242958693	8.21E-42	1.60E-40	Mir124a-1hg
ENSMUSG000000005251.15	510.9190287	-2.850831549	1.05E-41	2.04E-40	Ripk4
ENSMUSG000000026437.11	302.6132407	-4.074305136	1.08E-41	2.11E-40	Cdk18
ENSMUSG000000038365.8	1258.124379	1.950580053	1.21E-41	2.36E-40	Fbxo25
ENSMUSG000000024528.7	1189.897831	-1.673271009	1.27E-41	2.47E-40	Srfbp1
ENSMUSG0000000038984.4	433.6682928	2.472760653	1.35E-41	2.63E-40	Tspyl5
ENSMUSG000000039199.6	279.8496422	3.073181969	1.35E-41	2.63E-40	Zdhhc1
ENSMUSG000000030159.15	151.7124235	-3.921674059	1.57E-41	3.05E-40	Clec1b
ENSMUSG000000056947.5	544.5454334	9.287716141	1.59E-41	3.08E-40	Mab211l
ENSMUSG0000000035683.13	2571.792866	-1.496666996	1.65E-41	3.21E-40	Melk
ENSMUSG000000063972.13	4713.060541	-2.781366559	1.78E-41	3.45E-40	Nr6a1
ENSMUSG000000050379.15	3806.618299	1.535287302	1.83E-41	3.54E-40	06_Sep
ENSMUSG000000006498.16	14031.7318	-2.653538776	1.91E-41	3.70E-40	Ptbp1
ENSMUSG000000068250.13	1415.196055	2.056484806	1.97E-41	3.81E-40	Amn1

ENSMUSG00000020524.16	342.5769761	5.1613013	1.98E-41	3.82E-40	Gria1
ENSMUSG00000021418.15	666.1206726	-2.068687933	2.00E-41	3.85E-40	Rpp40
ENSMUSG00000047910.6	343.5279014	4.487823248	2.00E-41	3.85E-40	Pcdhb16
ENSMUSG00000021062.15	1014.611323	2.711532991	2.05E-41	3.96E-40	Rab15
ENSMUSG000000062661.6	3610.455543	2.24639734	2.13E-41	4.10E-40	Ncs1
ENSMUSG00000055430.4	231.6717163	7.363276514	2.14E-41	4.12E-40	Nap115
ENSMUSG00000056267.14	888.5768314	1.79750879	2.17E-41	4.17E-40	Cep70
ENSMUSG00000040613.14	150.4054445	-3.839550758	2.18E-41	4.19E-40	Apobec1
ENSMUSG000000067860.11	2051.311454	-1.804793325	2.40E-41	4.61E-40	Zic3
ENSMUSG00000044447.5	976.0689932	-3.637508313	2.46E-41	4.73E-40	Dock5
ENSMUSG000000116398.1	1225.299149	-2.170514051	2.63E-41	5.05E-40	RP24-83I10.2
ENSMUSG000000092029.1	3083.654754	-3.886891056	2.68E-41	5.14E-40	RP24-354E11.1
ENSMUSG00000097165.1	194.602017	6.197702446	2.72E-41	5.22E-40	2210008F06Rik
ENSMUSG00000022048.8	8208.587704	2.684941884	3.38E-41	6.47E-40	Dpysl2
ENSMUSG00000028931.11	316.3161875	3.769143317	3.41E-41	6.52E-40	Kcnab2
ENSMUSG00000020413.11	1753.37701	-2.518869135	3.49E-41	6.68E-40	Hus1
ENSMUSG00000039838.11	973.3167438	2.225736306	3.56E-41	6.81E-40	Slc45a1
ENSMUSG00000021303.14	205.0008303	7.018874186	3.57E-41	6.81E-40	Gng4
ENSMUSG00000040463.16	30737.39939	-2.927278805	3.82E-41	7.30E-40	Mybbp1a
ENSMUSG000000081534.3	1117.926152	2.190629462	3.92E-41	7.48E-40	Slc48a1
ENSMUSG00000037259.15	962.4102362	3.575294206	4.02E-41	7.66E-40	Dzank1
ENSMUSG00000027797.15	5775.553895	3.239740568	4.12E-41	7.85E-40	Dclk1
ENSMUSG00000030536.10	10989.80622	-3.15847939	4.12E-41	7.85E-40	Iqgap1
ENSMUSG00000033102.15	2094.411225	-2.553472657	4.33E-41	8.23E-40	Cdc14b
ENSMUSG00000000120.6	605.2459451	4.456473547	4.39E-41	8.35E-40	Ngfr
ENSMUSG000000093945.1	145.9391746	4.279017571	4.55E-41	8.64E-40	RP24-553G19.4
ENSMUSG000000025395.14	2602.153823	-1.521883982	4.73E-41	8.99E-40	Prim1
ENSMUSG00000029761.16	3750.669682	-1.774406419	5.15E-41	9.78E-40	Cald1
ENSMUSG00000078794.4	1057.907831	1.97862905	5.26E-41	9.97E-40	Dact3
ENSMUSG00000027965.15	278.7774909	7.630321763	5.34E-41	1.01E-39	Olfm3
ENSMUSG000000037573.5	871.2850865	1.825900012	5.40E-41	1.02E-39	Tob1
ENSMUSG00000015652.9	581.8548307	-2.625746089	5.45E-41	1.03E-39	Steap1
ENSMUSG000000006127.9	1056.104901	1.952229095	6.45E-41	1.22E-39	Inpp5k
ENSMUSG000000032515.8	370.3837646	-2.318379585	6.51E-41	1.23E-39	Csrnp1
ENSMUSG00000032294.17	74263.53203	-1.80297354	6.93E-41	1.31E-39	Pkm
ENSMUSG00000027978.9	133.7676813	4.517636724	7.00E-41	1.32E-39	Prss12
ENSMUSG000000026156.8	202.6644622	6.365873683	7.59E-41	1.43E-39	B3gat2
ENSMUSG000000021975.8	1504.540674	-1.734454663	7.66E-41	1.44E-39	Ints9
ENSMUSG00000071076.6	3895.324112	2.571433705	8.06E-41	1.52E-39	Jund
ENSMUSG00000028948.16	4090.049736	-2.332809687	8.36E-41	1.57E-39	Nol9
ENSMUSG00000019312.10	164.8892667	-4.858841985	8.67E-41	1.63E-39	Grb7
ENSMUSG000000022792.16	1674.69856	-1.858717794	8.69E-41	1.63E-39	Yars2
ENSMUSG00000051678.4	168.4505556	5.424933795	9.17E-41	1.72E-39	Pcdhb6
ENSMUSG000000085627.2	641.2373398	-1.98279574	9.46E-41	1.77E-39	RP23-222K9.1
ENSMUSG00000040502.5	1347.485542	1.987269097	1.01E-40	1.89E-39	09. Mrz
ENSMUSG000000028439.14	1593.744289	4.291051859	1.11E-40	2.07E-39	Fam219a
ENSMUSG00000036667.14	7831.737192	3.083740974	1.14E-40	2.13E-39	Tcaf1
ENSMUSG00000027699.19	2903.535234	-1.965802507	1.16E-40	2.17E-39	Ect2
ENSMUSG000000027315.13	608.8710112	-3.477138661	1.23E-40	2.30E-39	Spint1
ENSMUSG00000035640.18	1254.786345	2.785846636	1.38E-40	2.58E-39	Cbarp
ENSMUSG00000028445.7	1186.312418	4.633506533	1.39E-40	2.60E-39	Enho
ENSMUSG000000110617.1	1539.663209	-1.617404947	1.41E-40	2.63E-39	RP24-212I6.2
ENSMUSG000000097924.2	150.4137551	5.919478908	1.44E-40	2.68E-39	RP23-445E16.1
ENSMUSG00000021392.8	2428.284193	-1.650084252	1.48E-40	2.77E-39	Nol8
ENSMUSG00000026655.15	1765.573435	2.007596063	1.73E-40	3.23E-39	Fam107b
ENSMUSG000000063430.9	339.4803901	6.601549626	1.82E-40	3.38E-39	Wscd2
ENSMUSG000000022848.8	1446.090147	1.826025461	1.91E-40	3.55E-39	Dirc2
ENSMUSG00000028020.16	417.2982526	3.572597841	1.93E-40	3.58E-39	Glrb
ENSMUSG00000004105.3	486.2569638	3.10907763	1.98E-40	3.67E-39	Plpp6
ENSMUSG000000023064.4	1165.006938	10.70708315	2.18E-40	4.05E-39	Sncg
ENSMUSG00000019923.14	12156.74664	1.439975533	2.25E-40	4.17E-39	Zwint
ENSMUSG00000023988.8	2993.704254	-1.503884566	2.36E-40	4.38E-39	Bysl
ENSMUSG00000071369.11	1389.295542	-3.223041359	2.38E-40	4.41E-39	Map3k5
ENSMUSG000000035566.7	820.168855	1.845887453	2.41E-40	4.46E-39	Pcdh17
ENSMUSG00000078503.9	1377.121357	-2.543338167	2.44E-40	4.51E-39	RP23-282N17.7
ENSMUSG00000039747.11	543.9782935	3.613291487	2.46E-40	4.54E-39	Orai2
ENSMUSG00000054934.10	520.5942086	3.92677722	2.63E-40	4.85E-39	Kcnmb4
ENSMUSG000000029432.12	1112.563362	2.067967854	2.66E-40	4.92E-39	Gbas
ENSMUSG00000046718.8	875.8260601	-3.422189492	2.78E-40	5.13E-39	Bst2
ENSMUSG000000040722.7	3774.702817	2.319722127	2.78E-40	5.13E-39	Scamp5
ENSMUSG000000024064.13	457.712183	2.177494809	2.86E-40	5.27E-39	Galnt14
ENSMUSG00000004158.12	1575.028646	2.478461241	2.89E-40	5.33E-39	Tax1bp3
ENSMUSG000000032221.14	985.1653219	-1.857916828	2.99E-40	5.50E-39	Mns1
ENSMUSG000000026709.10	1636.190476	-1.859153095	3.08E-40	5.67E-39	Dars2
ENSMUSG000000061603.8	1244.18797	4.955739234	3.29E-40	6.04E-39	Akap6
ENSMUSG00000054321.6	656.4031829	-3.001418632	3.57E-40	6.55E-39	Taf4b
ENSMUSG000000025326.12	6037.505587	-2.3832013	3.60E-40	6.60E-39	Ube3a
ENSMUSG000000043290.6	174.0343137	4.164006586	3.69E-40	6.77E-39	Zfp784
ENSMUSG000000020818.16	1419.143567	1.733688481	3.96E-40	7.26E-39	Mfsd11
ENSMUSG00000022360.8	4734.511568	-2.204012666	4.49E-40	8.23E-39	Atad2
ENSMUSG000000036528.15	248.5841951	-2.894847483	4.93E-40	9.01E-39	Ppfbp2
ENSMUSG00000017561.16	1253.661196	-2.411101664	5.00E-40	9.15E-39	Crf3
ENSMUSG00000074657.5	5379.753168	4.118445648	5.52E-40	1.01E-38	Kif5a

ENSMUSG00000033706.13	3400.897077	-1.603246234	5.58E-40	1.02E-38	Smyd5
ENSMUSG00000025758.10	1860.504588	-2.037181096	6.00E-40	1.10E-38	Plk4
ENSMUSG00000052584.10	375.7469544	3.35844264	6.96E-40	1.27E-38	Serp2
ENSMUSG00000002845.14	1437.11201	-1.991901414	7.15E-40	1.30E-38	Tmem39a
ENSMUSG00000013419.7	612.2863335	2.030697004	7.72E-40	1.41E-38	Zfp651
ENSMUSG00000019297.9	2480.836958	-1.609863048	7.96E-40	1.45E-38	Nop9
ENSMUSG00000052727.6	35135.16657	1.970069903	8.35E-40	1.52E-38	Map1b
ENSMUSG00000055633.6	568.8818691	3.44139071	8.53E-40	1.55E-38	Zfp580
ENSMUSG00000052396.7	899.1853436	-2.714059385	8.94E-40	1.62E-38	Mogat2
ENSMUSG00000031072.14	790.7003931	1.797361786	8.97E-40	1.63E-38	Oraov1
ENSMUSG00000022178.11	2796.74061	-2.629744147	9.18E-40	1.67E-38	Ajuba
ENSMUSG00000068615.4	177.6054498	6.517939758	9.22E-40	1.67E-38	Gjd2
ENSMUSG00000066224.13	424.5463518	2.053475438	1.01E-39	1.83E-38	Arid3c
ENSMUSG00000022562.15	146.120385	4.854382691	1.05E-39	1.90E-38	Oplah
ENSMUSG00000081833.1	370.4290531	-2.147370479	1.06E-39	1.92E-38	RP23-159H12.1
ENSMUSG00000041571.9	5279.055509	4.485373523	1.07E-39	1.93E-38	Sepw1
ENSMUSG00000021647.7	867.6539766	9.953548125	1.07E-39	1.93E-38	Cartpt
ENSMUSG00000028524.21	1109.462035	3.966637702	1.11E-39	1.99E-38	Sgjp1
ENSMUSG00000097900.1	4306.523196	-1.653141475	1.15E-39	2.08E-38	RP23-360N5.4
ENSMUSG00000024008.15	277.8427426	3.543161429	1.16E-39	2.10E-38	Cpne5
ENSMUSG00000044065.3	116.5383121	-5.439602322	1.19E-39	2.14E-38	Gm9788
ENSMUSG00000053289.8	2926.484877	-1.496103377	1.19E-39	2.14E-38	Ddx10
ENSMUSG00000060257.2	537.2371808	4.052399598	1.22E-39	2.20E-38	Scrt2
ENSMUSG00000024213.14	4904.14029	2.063977453	1.29E-39	2.31E-38	Nudt3
ENSMUSG00000075478.3	301.8619174	7.755360962	1.35E-39	2.43E-38	Slitrk1
ENSMUSG00000025608.9	6290.081287	-2.145630429	1.45E-39	2.60E-38	Podxl
ENSMUSG00000006435.15	505.9629363	2.533900359	1.47E-39	2.63E-38	Neurl1a
ENSMUSG00000002083.13	405.2129975	2.331528886	1.51E-39	2.71E-38	Bbc3
ENSMUSG00000027671.14	4193.259387	-1.386592292	1.53E-39	2.74E-38	Actl6a
ENSMUSG00000085241.7	996.4654988	-2.266753345	1.57E-39	2.82E-38	Snhg3
ENSMUSG00000020733.3	1955.909886	-1.737469025	1.58E-39	2.83E-38	Slc9a3r1
ENSMUSG00000078716.10	811.0890821	5.146590769	1.63E-39	2.92E-38	Tmem8b
ENSMUSG00000041798.15	154.0387165	5.667749591	1.66E-39	2.97E-38	Gck
ENSMUSG00000027597.15	7671.18189	-2.184110118	1.75E-39	3.12E-38	Ahcy
ENSMUSG000000108591.1	215.1514733	5.262809452	1.79E-39	3.19E-38	RP23-60P18.13
ENSMUSG00000039057.11	308.5993248	6.518931575	1.82E-39	3.25E-38	Myo16
ENSMUSG00000026519.16	667.7893484	-3.607331673	1.98E-39	3.54E-38	Tmem63a
ENSMUSG00000023050.9	1378.230209	2.581335694	2.01E-39	3.58E-38	Map3k12
ENSMUSG00000068551.12	660.6625548	2.058529494	2.16E-39	3.85E-38	Zfp467
ENSMUSG00000032589.14	1078.182029	8.586228924	2.22E-39	3.94E-38	Bsn
ENSMUSG00000027215.13	123.3312004	4.394936881	2.29E-39	4.08E-38	Cd82
ENSMUSG00000085084.7	200.5459926	4.832737949	2.38E-39	4.23E-38	AC125047.1
ENSMUSG00000036622.15	4009.327062	1.913190053	2.49E-39	4.41E-38	Atp13a2
ENSMUSG00000004872.15	192.299977	6.922813622	2.71E-39	4.82E-38	Pax3
ENSMUSG00000086743.2	3232.164976	-1.723380436	2.97E-39	5.27E-38	Hnrnpa1l2-ps
ENSMUSG00000095226.1	156.8806959	4.588098963	3.16E-39	5.59E-38	RP23-11E12.3
ENSMUSG00000032092.5	201.6212412	-3.416412251	3.17E-39	5.61E-38	Mpzl2
ENSMUSG00000057729.12	227.2136588	5.93085917	3.23E-39	5.71E-38	Prtnd2
ENSMUSG00000022240.10	1404.495348	3.190017056	3.24E-39	5.73E-38	Ctnnd2
ENSMUSG00000016179.11	480.5148967	2.763013463	3.36E-39	5.94E-38	Camk1g
ENSMUSG00000030518.17	469.3368563	8.800872141	3.36E-39	5.94E-38	Fam189a1
ENSMUSG00000030310.10	289.6426711	3.284766333	3.43E-39	6.06E-38	Slc6a1
ENSMUSG00000040084.9	4044.141406	-2.412614952	3.55E-39	6.26E-38	Bub1b
ENSMUSG00000050967.5	210.1129206	4.534706362	3.65E-39	6.43E-38	Creg2
ENSMUSG00000083754.3	8159.539214	-2.120228536	3.95E-39	6.96E-38	RP23-319D11.1
ENSMUSG00000073700.3	1373.845095	-2.055616802	4.04E-39	7.12E-38	Klhl21
ENSMUSG00000041014.17	260.7525764	6.83257977	4.07E-39	7.16E-38	Nrg3
ENSMUSG00000061046.9	627.7970375	2.722668842	4.22E-39	7.42E-38	Haghl
ENSMUSG00000022415.12	1316.296101	2.407064268	4.36E-39	7.66E-38	Syngn1
ENSMUSG00000037747.9	1179.807951	3.122761332	4.36E-39	7.66E-38	Phyhpl
ENSMUSG00000034384.11	157.0090207	5.07136513	4.47E-39	7.84E-38	Barhl2
ENSMUSG00000003813.15	1722.762093	-1.554008897	4.64E-39	8.14E-38	Rad23a
ENSMUSG00000020743.15	538.2482687	-1.873947149	4.73E-39	8.29E-38	Mif4gd
ENSMUSG00000083305.2	176.2389428	-3.711334605	4.77E-39	8.36E-38	RP23-446D4.5
ENSMUSG00000082990.1	916.8178302	-1.747984319	5.00E-39	8.76E-38	RP23-74B12.2
ENSMUSG00000039145.16	763.8198896	3.617954439	5.04E-39	8.81E-38	Camk1d
ENSMUSG00000038521.17	185.6472695	-4.232978101	5.09E-39	8.90E-38	C1s1
ENSMUSG00000029212.11	311.6154404	8.212996153	5.13E-39	8.97E-38	Gabrb1
ENSMUSG00000032601.13	7230.455994	1.763956813	5.35E-39	9.34E-38	Prkar2a
ENSMUSG00000038379.15	1952.361707	-1.573485359	5.85E-39	1.02E-37	Ttk
ENSMUSG00000044024.15	285.538498	3.108074944	6.67E-39	1.16E-37	Rel2
ENSMUSG00000048978.14	287.887963	2.316745215	7.15E-39	1.25E-37	Nrsn1
ENSMUSG00000044250.8	405.5956753	-2.235466039	7.35E-39	1.28E-37	Pced1b
ENSMUSG00000024962.13	845.0956494	-2.02666916	8.95E-39	1.56E-37	Vegfb
ENSMUSG00000032224.15	215.3140545	2.634317834	8.99E-39	1.56E-37	Fam81a
ENSMUSG00000030555.16	890.9737513	-2.086862694	9.62E-39	1.67E-37	Ttc23
ENSMUSG00000047557.2	165.5495705	5.260875433	9.82E-39	1.71E-37	Lxn
ENSMUSG00000097971.3	14155.17022	-2.686936063	9.86E-39	1.71E-37	RP23-81C12.1
ENSMUSG00000037523.13	336.9771505	-2.531864729	1.15E-38	2.00E-37	Mavs
ENSMUSG00000048497.11	608.352101	1.868062275	1.20E-38	2.09E-37	Mmgt2
ENSMUSG00000075312.4	565.6661923	2.264725763	1.21E-38	2.09E-37	RP23-143P18.2
ENSMUSG00000002870.8	8147.220041	-2.014512497	1.30E-38	2.25E-37	Mcm2
ENSMUSG00000017390.15	416.7662206	-2.991035229	1.35E-38	2.33E-37	Aldoc

ENSMUSG00000031105.16	687.8268366	2.767578313	1.35E-38	2.34E-37	Slc25a14
ENSMUSG00000035828.11	1469.56094	-1.862024187	1.52E-38	2.62E-37	Pim3
ENSMUSG00000025937.6	893.7632687	-1.775510026	1.55E-38	2.68E-37	Lactb2
ENSMUSG00000031169.13	513.7438909	3.785323919	1.61E-38	2.77E-37	Porcn
ENSMUSG00000115684.1	3843.709492	-3.90640112	1.65E-38	2.84E-37	RP23-407B7.1
ENSMUSG00000033669.8	1318.359825	-2.392256309	1.97E-38	3.40E-37	Zfp7
ENSMUSG00000047428.14	157.5078405	5.072166763	2.00E-38	3.44E-37	Dlk2
ENSMUSG00000021066.9	478.865337	3.982789299	2.00E-38	3.45E-37	Atf1
ENSMUSG00000053007.9	218.1794925	3.271330972	2.14E-38	3.68E-37	Creb5
ENSMUSG00000081302.1	1970.882407	-2.578427088	2.23E-38	3.84E-37	RP23-334J9.1
ENSMUSG0000000134.17	3172.342653	-2.068054196	2.30E-38	3.95E-37	Tfe3
ENSMUSG00000040250.14	3747.225661	-1.546257095	2.37E-38	4.07E-37	Ints13
ENSMUSG00000020806.15	436.8593336	-2.948537574	2.38E-38	4.09E-37	Rhbdf2
ENSMUSG00000027577.14	1788.807306	2.883279342	2.45E-38	4.21E-37	Chrna4
ENSMUSG00000022066.16	1083.7083	1.732023423	2.51E-38	4.30E-37	RP23-103I12.10
ENSMUSG00000021010.8	371.2261642	3.417821173	2.60E-38	4.45E-37	Npas3
ENSMUSG00000060568.14	626.8354797	4.538760218	2.69E-38	4.60E-37	Fam78b
ENSMUSG00000114852.1	140.0554147	4.591893428	2.70E-38	4.62E-37	RP23-403B2.10
ENSMUSG00000021927.7	13721.21219	-1.686878058	2.70E-38	4.62E-37	RP23-52B2.1
ENSMUSG00000040270.16	902.004598	3.113363419	2.76E-38	4.71E-37	Bach2
ENSMUSG00000009566.12	1046.851609	-1.719126034	2.90E-38	4.96E-37	Fpgs
ENSMUSG00000032113.16	1487.917485	-1.75062247	3.19E-38	5.45E-37	Chek1
ENSMUSG00000050530.14	2006.227404	2.816050578	3.21E-38	5.48E-37	Fam171a1
ENSMUSG00000095463.8	1084.374028	1.728171246	3.36E-38	5.73E-37	Entpd4
ENSMUSG00000032679.12	3895.897517	-3.099212742	3.37E-38	5.74E-37	Cd59a
ENSMUSG00000021981.10	837.4701231	-1.829099144	3.52E-38	5.99E-37	Cab39l
ENSMUSG00000035413.8	1525.467669	-1.784033579	3.52E-38	5.99E-37	Tmem98
ENSMUSG00000038344.14	3793.110886	-2.359468161	3.61E-38	6.14E-37	Txlng
ENSMUSG00000033615.9	578.2756773	3.258059656	4.16E-38	7.07E-37	Cplx1
ENSMUSG00000042750.7	15702.11465	2.91942809	4.25E-38	7.23E-37	Bex2
ENSMUSG00000078500.3	218.4935829	-2.756700794	4.77E-38	8.10E-37	RP23-395N7.8
ENSMUSG00000021974.15	177.4206066	4.995855227	5.10E-38	8.64E-37	Fgf9
ENSMUSG00000020650.15	596.0476112	1.901007422	5.35E-38	9.07E-37	Bcap29
ENSMUSG00000023048.13	1386.121197	3.017711978	5.54E-38	9.38E-37	Prr13
ENSMUSG00000073988.13	175.5128614	-3.392117014	5.79E-38	9.81E-37	Ttpa
ENSMUSG00000040327.16	496.0273788	3.913703526	6.16E-38	1.04E-36	Cul9
ENSMUSG00000057182.14	2979.393734	3.136317009	6.30E-38	1.07E-36	Scn3a
ENSMUSG00000020473.13	558.1980045	-2.635694189	6.65E-38	1.12E-36	Aebp1
ENSMUSG00000053985.10	145.7469987	4.099057536	6.90E-38	1.16E-36	Zfp14
ENSMUSG00000022471.14	1551.169679	-1.598451132	7.18E-38	1.21E-36	Xrcc6
ENSMUSG00000033569.17	682.4900847	4.155631629	7.67E-38	1.29E-36	Adgrb3
ENSMUSG00000046658.16	711.3459189	2.717172636	7.73E-38	1.30E-36	Zfp316
ENSMUSG00000040464.15	1338.084259	-1.788400775	8.40E-38	1.42E-36	Gtpbp10
ENSMUSG00000013539.14	786.0729379	1.969341863	8.41E-38	1.42E-36	Tango2
ENSMUSG00000052384.14	120.8712573	-5.595506717	8.82E-38	1.48E-36	Nrros
ENSMUSG00000020430.12	7593.875853	-1.363388341	8.92E-38	1.50E-36	Pes1
ENSMUSG00000021661.16	1277.895241	1.843597331	9.25E-38	1.55E-36	Ankra2
ENSMUSG00000056687.9	147.4901491	3.538336769	9.33E-38	1.57E-36	RP23-12N20.1
ENSMUSG00000034793.15	604.8779952	1.946618706	1.09E-37	1.83E-36	G6pc3
ENSMUSG00000095528.8	147.2633947	4.976415162	1.12E-37	1.88E-36	RP23-273L20.3
ENSMUSG00000031176.8	1228.409801	2.171882558	1.18E-37	1.97E-36	Dynl13
ENSMUSG00000097353.1	166.1249709	2.964067871	1.22E-37	2.04E-36	A430046D13Rik
ENSMUSG00000026739.13	1042.342082	2.662339912	1.27E-37	2.12E-36	Bmi1
ENSMUSG00000036061.10	873.1853571	2.439466922	1.28E-37	2.14E-36	Smug1
ENSMUSG00000067235.14	248.1133246	-2.71906738	1.30E-37	2.17E-36	H2-Q10
ENSMUSG00000038736.10	2400.991207	-2.476135246	1.38E-37	2.31E-36	Nudcd1
ENSMUSG00000043557.15	777.4791284	5.864472162	1.40E-37	2.33E-36	Mdga1
ENSMUSG00000069520.6	996.4243394	1.982156213	1.45E-37	2.43E-36	Tmem19
ENSMUSG00000015968.17	232.5215865	4.043821059	1.52E-37	2.54E-36	Cacna1d
ENSMUSG00000032606.7	2212.364096	2.808106407	1.56E-37	2.61E-36	Nicn1
ENSMUSG00000026255.15	427.8209185	-5.381502239	1.71E-37	2.85E-36	Efh1
ENSMUSG00000066009.8	314.1155663	-2.901068915	1.75E-37	2.91E-36	RP23-383I4.2
ENSMUSG00000012443.3	3897.610665	-2.041146372	1.81E-37	3.02E-36	Kif11
ENSMUSG00000059897.5	1188.537464	-1.555021845	1.98E-37	3.29E-36	Zfp930
ENSMUSG00000003617.16	132.1818624	5.62508739	2.10E-37	3.49E-36	Cp
ENSMUSG00000033629.6	5073.956035	1.442170896	2.11E-37	3.51E-36	Hacd3
ENSMUSG00000058922.7	39247.03402	-1.716985169	2.13E-37	3.53E-36	RP23-252G18.2
ENSMUSG00000022394.14	2649.703373	-1.568238424	2.21E-37	3.66E-36	L3mbtl2
ENSMUSG00000039480.14	276.9368319	-2.318653223	2.25E-37	3.73E-36	Nt5dc1
ENSMUSG00000069913.3	763.0893042	-1.901881346	2.41E-37	3.99E-36	Anp32-ps
ENSMUSG00000032120.11	683.0609098	3.216866255	2.50E-37	4.14E-36	C2cd2l
ENSMUSG00000029247.17	13085.06934	-1.369253822	2.54E-37	4.20E-36	Paics
ENSMUSG00000021743.6	199.9130013	6.987039882	2.66E-37	4.40E-36	Fezf2
ENSMUSG00000112795.1	309.4076777	-4.39926255	2.77E-37	4.58E-36	RP23-151L20.5
ENSMUSG00000113015.1	3066.431363	-1.752342045	2.88E-37	4.77E-36	RP24-462E4.1
ENSMUSG00000003526.12	462.9109421	-2.346715093	2.99E-37	4.94E-36	Prodh
ENSMUSG00000049775.16	42825.71949	4.338701008	3.05E-37	5.03E-36	Tmsb4x
ENSMUSG00000116083.1	2177.384716	-1.764346103	3.07E-37	5.06E-36	RP23-283E23.1
ENSMUSG00000049553.11	5282.175992	-2.943680079	3.20E-37	5.28E-36	Polr1a
ENSMUSG00000023942.15	1998.536936	-1.826739042	3.21E-37	5.29E-36	Slc29a1
ENSMUSG00000024827.9	3792.550308	-2.610699517	3.25E-37	5.36E-36	Gldc
ENSMUSG00000074802.11	2328.442309	-3.162466818	3.29E-37	5.41E-36	Gas2l3
ENSMUSG00000024966.8	13829.70222	-1.443959738	3.33E-37	5.47E-36	Stip1

ENSMUSG00000042581.14	262.0376356	5.126762589	3.56E-37	5.85E-36	Thsd7b
ENSMUSG00000029534.17	960.1942005	2.192091907	3.71E-37	6.09E-36	St7
ENSMUSG00000050830.17	191.0088113	2.96603422	3.72E-37	6.10E-36	Vwc2
ENSMUSG00000036863.12	1091.147036	-3.247379287	3.74E-37	6.13E-36	Syde2
ENSMUSG00000039715.8	889.7878862	2.491292016	3.92E-37	6.43E-36	Wdr34
ENSMUSG00000038555.7	1824.245554	1.857555483	4.05E-37	6.63E-36	Reep2
ENSMUSG0000007029.16	8550.206888	-2.092601136	4.09E-37	6.69E-36	Vars
ENSMUSG00000021719.9	365.1440288	2.166089325	4.65E-37	7.61E-36	Rgs7bp
ENSMUSG00000073542.2	1202.618262	-1.985915945	5.55E-37	9.08E-36	Cep76
ENSMUSG00000010064.15	140.9635792	-3.191462124	5.62E-37	9.18E-36	Slc38a3
ENSMUSG00000002332.16	932.7267175	1.667067512	5.71E-37	9.32E-36	Dhrs1
ENSMUSG00000066829.7	521.0201932	2.349904664	5.91E-37	9.64E-36	Zfp810
ENSMUSG00000020439.17	935.0213263	-1.992321088	6.46E-37	1.05E-35	Smtn
ENSMUSG00000059714.13	1272.125921	2.188089003	7.59E-37	1.24E-35	Flot1
ENSMUSG00000026885.13	171.3931873	4.988446974	7.88E-37	1.28E-35	Ttl11
ENSMUSG00000026626.11	1461.513416	-1.528229728	8.04E-37	1.31E-35	Ppp2r5a
ENSMUSG00000027774.16	3153.91662	-1.839076784	9.05E-37	1.47E-35	Gfm1
ENSMUSG00000000384.15	4092.662397	-1.397301902	9.34E-37	1.52E-35	Tbrg4
ENSMUSG00000058638.14	1627.035338	-1.701407998	1.00E-36	1.63E-35	Zfp110
ENSMUSG00000019087.13	4867.992859	1.418344588	1.04E-36	1.69E-35	Atp6ap1
ENSMUSG00000074923.10	505.9947177	3.049037195	1.18E-36	1.92E-35	Pak6
ENSMUSG00000078591.1	131.8828825	3.513355012	1.19E-36	1.93E-35	Hs3st4
ENSMUSG00000053693.16	1501.772684	3.215156452	1.23E-36	1.99E-35	Mast1
ENSMUSG00000042367.12	270.6630152	-2.510268607	1.27E-36	2.06E-35	Gjb3
ENSMUSG00000021823.10	12068.48592	-3.117997286	1.34E-36	2.18E-35	Vcl
ENSMUSG00000032477.14	3662.017594	-1.379459408	1.39E-36	2.24E-35	Cdc25a
ENSMUSG00000026037.14	3526.610204	-1.996672779	1.39E-36	2.24E-35	Orc2
ENSMUSG00000029469.14	1143.296	1.818945328	1.55E-36	2.51E-35	Ift81
ENSMUSG00000027660.16	7840.67516	-2.367971049	1.57E-36	2.54E-35	Skil
ENSMUSG00000048015.4	114.262608	-5.234197962	1.75E-36	2.83E-35	Neurod4
ENSMUSG00000026889.12	2411.264356	1.450985973	1.78E-36	2.87E-35	Rbm18
ENSMUSG00000027971.16	201.2179975	5.983540011	1.96E-36	3.17E-35	Ndst4
ENSMUSG00000028176.11	169.8548363	5.238317876	2.14E-36	3.45E-35	Lrrc7
ENSMUSG00000038740.9	1234.107934	3.500095051	2.18E-36	3.50E-35	Mvb12b
ENSMUSG00000037071.2	6266.386092	-3.756822818	2.20E-36	3.55E-35	Scd1
ENSMUSG00000045215.16	1018.701118	3.831242129	2.24E-36	3.60E-35	Asxl3
ENSMUSG00000063524.13	34412.0639	-2.201979562	2.28E-36	3.66E-35	Eno1
ENSMUSG00000029026.16	188.7753805	-3.230012521	2.46E-36	3.95E-35	Trp73
ENSMUSG0000005374.13	2139.840388	-1.898379371	2.48E-36	3.98E-35	Tbl2
ENSMUSG00000048450.10	206.3402386	2.556523576	2.72E-36	4.37E-35	Msx1
ENSMUSG00000015476.6	131.3236144	5.198992367	3.01E-36	4.83E-35	Prrt1
ENSMUSG00000024968.13	2664.972177	-1.88676625	3.20E-36	5.14E-35	Rcor2
ENSMUSG00000075588.6	741.7537322	1.911244562	3.36E-36	5.38E-35	Hoxb2
ENSMUSG00000034587.8	450.5442139	2.261994889	3.52E-36	5.63E-35	RP23-17N7.4
ENSMUSG00000041730.14	268.9759758	7.775734254	3.76E-36	6.02E-35	Prrxl1
ENSMUSG00000061062.4	5884.454824	-1.344471057	3.82E-36	6.11E-35	Gm10093
ENSMUSG00000038712.16	1015.3206	2.094612183	3.87E-36	6.18E-35	Fam63a
ENSMUSG00000016541.10	7933.333822	1.390213337	3.90E-36	6.23E-35	Atxn10
ENSMUSG00000092083.4	215.4382829	6.795262083	3.94E-36	6.29E-35	Kcnb2
ENSMUSG00000027639.16	1528.315735	-1.81115643	4.07E-36	6.50E-35	Samhd1
ENSMUSG00000039316.14	931.7749355	1.879665927	4.17E-36	6.65E-35	Rftn1
ENSMUSG00000106290.1	154.272909	-6.958625423	4.21E-36	6.71E-35	RP24-349N15.4
ENSMUSG00000040652.16	4248.260541	1.82879794	4.70E-36	7.48E-35	Oaz2
ENSMUSG00000037486.18	1997.009534	-1.805841124	4.91E-36	7.81E-35	Asxl2
ENSMUSG00000035172.15	431.3789331	2.539994433	4.98E-36	7.93E-35	Plekhh3
ENSMUSG00000074480.4	6415.035297	1.40235454	4.99E-36	7.94E-35	Mex3a
ENSMUSG00000048922.18	2338.589552	-1.411714518	5.34E-36	8.48E-35	Cdca2
ENSMUSG00000031661.12	568.2972577	2.537640502	5.35E-36	8.50E-35	Nkd1
ENSMUSG00000019970.15	1509.698542	-1.634392476	5.54E-36	8.80E-35	Sgk1
ENSMUSG00000026393.10	1041.406503	-1.930753515	6.15E-36	9.76E-35	Nek7
ENSMUSG00000029798.11	350.5516786	-2.202290367	6.43E-36	1.02E-34	Herc6
ENSMUSG00000055692.21	321.3167403	2.968503167	6.69E-36	1.06E-34	Tmem191c
ENSMUSG00000115843.1	166.4392035	-3.33347442	6.91E-36	1.09E-34	RP23-372O9.1
ENSMUSG00000040669.14	20975.60762	-2.995871815	6.97E-36	1.10E-34	Phc1
ENSMUSG00000029826.14	523.4687489	-2.076718468	7.03E-36	1.11E-34	Zc3hav1
ENSMUSG00000029781.7	4132.853058	-1.537876212	7.51E-36	1.19E-34	Fkbp9
ENSMUSG00000057329.7	693.5751862	1.824521887	8.14E-36	1.29E-34	Bcl2
ENSMUSG00000032394.6	1740.970821	2.438469585	8.27E-36	1.31E-34	Igdcc3
ENSMUSG00000087620.7	228.935012	3.591969408	9.10E-36	1.44E-34	RP23-316B4.2
ENSMUSG00000037217.15	1384.007443	3.212212959	9.23E-36	1.46E-34	Syn1
ENSMUSG00000025607.15	1411.851494	-1.471762484	9.35E-36	1.47E-34	Copg2
ENSMUSG00000019906.15	242.2499556	5.312507263	9.67E-36	1.52E-34	Lin7a
ENSMUSG00000024603.8	2931.518307	1.482265979	9.82E-36	1.55E-34	Dctn4
ENSMUSG00000020549.14	4810.379756	-1.712830873	9.95E-36	1.57E-34	Elac2
ENSMUSG00000079269.2	158.5105029	4.138465316	1.04E-35	1.63E-34	RP23-403B2.3
ENSMUSG00000038214.15	4034.498028	-2.871246078	1.05E-35	1.66E-34	Bend3
ENSMUSG00000017132.17	904.0795656	2.878384548	1.10E-35	1.72E-34	Cyth1
ENSMUSG00000111375.4	322.2324393	3.276754722	1.15E-35	1.80E-34	Btdb8
ENSMUSG00000025138.14	961.8258919	1.568374488	1.21E-35	1.90E-34	Sirt7
ENSMUSG00000102869.2	15452.26203	1.779107167	1.25E-35	1.96E-34	RP24-114E18.8
ENSMUSG00000008167.14	1133.10222	2.80321212	1.28E-35	2.00E-34	Fbxw9
ENSMUSG00000030726.16	4217.566434	-1.345876783	1.29E-35	2.02E-34	Pold3
ENSMUSG00000062309.8	167.2755724	-3.106944112	1.31E-35	2.06E-34	Rpp25

ENSMUSG00000020677.7	4145.95219	-1.538640926	1.44E-35	2.26E-34	Ddx52
ENSMUSG00000096995.2	133.9240199	3.54009667	1.48E-35	2.31E-34	RP23-3K10.3
ENSMUSG00000051343.11	585.3280135	3.507660649	1.53E-35	2.39E-34	Rab11fip5
ENSMUSG00000034723.11	6831.756623	2.593598266	1.64E-35	2.57E-34	Tmx4
ENSMUSG00000057604.9	185.1563607	5.215613603	1.65E-35	2.57E-34	Lmcd1
ENSMUSG00000031357.3	2032.628135	1.888821835	1.68E-35	2.63E-34	Syap1
ENSMUSG00000037295.7	492.4268317	-2.37713776	1.82E-35	2.84E-34	Ldlrap1
ENSMUSG00000035898.13	2765.343455	-1.422773665	1.94E-35	3.03E-34	Uba6
ENSMUSG00000024891.5	802.5593536	-1.933980967	1.95E-35	3.04E-34	Slc29a2
ENSMUSG00000028969.10	1711.434355	2.273397262	2.13E-35	3.31E-34	Cdk5
ENSMUSG00000083311.3	13852.59749	-1.835022045	2.32E-35	3.60E-34	RP23-161L11.6
ENSMUSG00000021149.8	7189.644816	-1.50133011	2.38E-35	3.71E-34	Gtpbp4
ENSMUSG00000031748.16	5869.657557	2.850037307	2.43E-35	3.77E-34	Gnao1
ENSMUSG00000060681.15	2908.199016	2.155582929	2.54E-35	3.95E-34	Slc9a6
ENSMUSG00000028035.13	543.7991431	2.332550848	2.57E-35	3.99E-34	Dnajb4
ENSMUSG00000025817.12	2454.72178	-1.72226985	2.69E-35	4.18E-34	Nudt5
ENSMUSG00000091792.1	160.1501316	4.006564929	2.77E-35	4.30E-34	RP23-294B15.1
ENSMUSG00000054723.5	531.6783523	2.407734871	2.81E-35	4.35E-34	Vmac
ENSMUSG00000044021.14	384.7980126	-9.286743328	3.03E-35	4.69E-34	Muc19
ENSMUSG00000035151.12	1436.052049	2.154454864	3.18E-35	4.93E-34	Elmod2
ENSMUSG00000061517.8	241.5202834	3.742325674	3.35E-35	5.18E-34	Sox21
ENSMUSG00000031839.7	5342.384412	2.591162765	3.46E-35	5.36E-34	Hsbp1
ENSMUSG00000040213.13	287.936374	-3.708131628	3.50E-35	5.41E-34	Ccb12
ENSMUSG00000021619.6	162.3020611	3.066885961	3.66E-35	5.65E-34	Atg10
ENSMUSG00000036242.15	2417.624858	1.736197661	3.67E-35	5.66E-34	RP24-179D17.1
ENSMUSG00000020007.4	257.724216	-8.388591666	3.68E-35	5.67E-34	Il20ra
ENSMUSG00000038150.7	3891.298171	1.661545026	3.83E-35	5.90E-34	Ormdl3
ENSMUSG00000026955.13	519.9795331	-1.888140313	3.85E-35	5.93E-34	Sapcd2
ENSMUSG00000042500.11	420.1126847	4.176386099	3.98E-35	6.13E-34	Ago4
ENSMUSG00000021676.9	1914.000512	-2.710654262	4.19E-35	6.45E-34	Iqgap2
ENSMUSG00000048040.8	7896.727474	1.604507328	4.20E-35	6.46E-34	Arxes2
ENSMUSG00000017499.15	2969.334798	-1.826817834	4.31E-35	6.63E-34	Cdc6
ENSMUSG00000040631.8	401.5932666	2.188948121	4.42E-35	6.79E-34	Dok4
ENSMUSG00000015837.15	10426.33132	1.303184737	4.80E-35	7.38E-34	Sqstm1
ENSMUSG0000003418.11	136.522333	-3.974706323	5.10E-35	7.83E-34	St8sia6
ENSMUSG00000045438.12	2018.191531	2.329705392	5.74E-35	8.81E-34	Cox19
ENSMUSG00000029171.12	1128.529519	-2.124196763	5.98E-35	9.17E-34	Pgm1
ENSMUSG00000028497.12	115.7559857	3.677421327	6.16E-35	9.43E-34	Hacd4
ENSMUSG00000024193.7	435.3887592	2.394213837	6.54E-35	1.00E-33	Phf1
ENSMUSG00000001891.16	2187.155446	1.398793513	6.63E-35	1.01E-33	Ugp2
ENSMUSG00000062995.12	767.9579459	1.750527044	7.14E-35	1.09E-33	Ica1
ENSMUSG00000027692.16	2732.972418	3.44531559	7.19E-35	1.10E-33	Tnik
ENSMUSG00000024799.15	2031.437093	2.570143159	7.67E-35	1.17E-33	Tm7sf2
ENSMUSG00000062960.10	404.1974363	3.641265802	8.43E-35	1.29E-33	Kdr
ENSMUSG00000022269.13	128.2280229	3.462348539	8.79E-35	1.34E-33	11. Mrz
ENSMUSG00000017453.4	756.1143543	-2.362315859	9.16E-35	1.40E-33	Pipox
ENSMUSG00000020902.12	733.0312466	2.745007848	9.16E-35	1.40E-33	Ntn1
ENSMUSG00000031727.8	205.1766925	6.284278407	9.23E-35	1.41E-33	Pmfbp1
ENSMUSG00000052821.3	175.7211464	-3.654517302	9.57E-35	1.46E-33	Cysl1r1
ENSMUSG00000042978.10	8111.908238	2.532769693	9.63E-35	1.47E-33	Sbk1
ENSMUSG00000020604.13	229.2964263	3.820095476	9.75E-35	1.48E-33	Arsg
ENSMUSG00000028871.7	205.2406815	2.693972449	1.02E-34	1.55E-33	Rspo1
ENSMUSG00000083468.1	1494.995572	-1.711994108	1.10E-34	1.67E-33	RP23-188K22.6
ENSMUSG00000028458.12	1302.776015	2.285913675	1.13E-34	1.71E-33	Tesk1
ENSMUSG00000082229.1	1686.803672	1.744636354	1.17E-34	1.77E-33	Nap1l2
ENSMUSG00000003644.17	2075.111985	-1.816169059	1.18E-34	1.79E-33	Rps6ka1
ENSMUSG00000029994.17	300.8634764	-2.118634778	1.18E-34	1.79E-33	Anxa4
ENSMUSG00000033545.14	3946.852215	2.354975118	1.19E-34	1.80E-33	Znrf1
ENSMUSG00000003269.17	3795.871116	1.734397594	1.39E-34	2.10E-33	Cytl2
ENSMUSG00000038009.7	222.7011374	-2.977246293	1.39E-34	2.11E-33	Dnajc22
ENSMUSG00000002578.17	820.8365858	1.774299445	1.44E-34	2.17E-33	Ikzf4
ENSMUSG00000020899.16	8875.357234	-3.216948945	1.47E-34	2.23E-33	Pfas
ENSMUSG00000038335.13	7231.004644	-1.900834111	1.56E-34	2.36E-33	Tsr1
ENSMUSG000000105124.2	1020.515355	-1.864802614	1.61E-34	2.43E-33	RP24-506B15.2
ENSMUSG00000040550.16	3856.878598	-1.343006137	1.71E-34	2.58E-33	Otud6b
ENSMUSG00000029348.11	1187.92251	2.3302945	1.75E-34	2.64E-33	Asphd2
ENSMUSG00000033590.8	185.3173126	-2.635936226	1.76E-34	2.66E-33	Myo5c
ENSMUSG00000097885.7	142.4701808	4.396048174	1.90E-34	2.87E-33	RP24-511H12.3
ENSMUSG00000099681.1	524.5511249	2.727916719	1.96E-34	2.95E-33	RP23-456M3.4
ENSMUSG00000050751.14	478.6422977	2.808985213	1.98E-34	2.98E-33	Pgbd5
ENSMUSG00000047921.16	1134.916056	2.516958645	2.10E-34	3.16E-33	Trappc9
ENSMUSG00000056296.17	151.9939405	6.425074886	2.12E-34	3.18E-33	Synpr
ENSMUSG00000015605.5	1895.830379	-1.703360121	2.18E-34	3.27E-33	Srf
ENSMUSG00000074607.11	516.3894714	2.924865186	2.19E-34	3.29E-33	Tox2
ENSMUSG00000087200.1	115.6094971	4.038314976	2.23E-34	3.34E-33	Lrp8os3
ENSMUSG00000012017.4	224.1451708	2.601069846	2.23E-34	3.34E-33	Scarf2
ENSMUSG00000081289.1	633.2802712	-2.45471564	2.29E-34	3.44E-33	RP23-404M22.4
ENSMUSG000000115730.1	508.2473737	-2.026585863	2.35E-34	3.52E-33	RP24-402C20.1
ENSMUSG00000054679.8	234.2065613	3.369870038	2.57E-34	3.84E-33	Srsf12
ENSMUSG00000024678.6	154.4897409	-7.156096634	2.64E-34	3.95E-33	Ms4a4d
ENSMUSG000000101188.1	54623.9507	-1.63872885	3.04E-34	4.54E-33	Eif4a-ps4
ENSMUSG000000021697.12	550.729151	-1.744192055	3.46E-34	5.17E-33	Depdc1b
ENSMUSG00000034867.16	2027.693694	-2.448594176	3.66E-34	5.47E-33	Ankrd27

ENSMUSG00000086454.7	191.6939039	-2.427942628	3.70E-34	5.53E-33	Platr14
ENSMUSG00000045053.1	129.5407537	-6.530167384	3.88E-34	5.78E-33	Kcng3
ENSMUSG00000066057.6	254.1766159	3.132695806	3.88E-34	5.79E-33	RP24-133K9.1
ENSMUSG00000105867.2	161.3745617	5.645261787	3.94E-34	5.88E-33	RP24-317M4.6
ENSMUSG00000051565.16	14113.29856	-1.253291519	3.99E-34	5.95E-33	Hnrnpl
ENSMUSG00000050244.9	6451.960479	-3.324301755	4.26E-34	6.35E-33	Heatr1
ENSMUSG00000051550.10	568.9420017	2.152009315	4.44E-34	6.62E-33	Zfp579
ENSMUSG00000104882.1	1019.621446	-1.912537977	4.74E-34	7.06E-33	RP23-397C5.5
ENSMUSG00000022340.15	241.6009396	2.623570007	4.78E-34	7.10E-33	Sybu
ENSMUSG00000028249.15	4604.670533	1.384032259	4.94E-34	7.34E-33	Sdcbp
ENSMUSG00000007950.9	2309.818448	2.007643147	4.95E-34	7.35E-33	Abhd8
ENSMUSG00000030528.12	2808.390607	-2.522813439	5.01E-34	7.44E-33	Blm
ENSMUSG00000024897.8	1084.890899	11.01763336	5.14E-34	7.62E-33	Apba1
ENSMUSG00000020253.15	489.9737196	-1.84851433	5.38E-34	7.98E-33	Ppm1m
ENSMUSG00000020777.16	2717.923295	2.103943447	5.82E-34	8.62E-33	Acox1
ENSMUSG00000042425.18	590.3415013	5.739736516	6.12E-34	9.07E-33	Frmpr3
ENSMUSG00000047443.14	277.1547473	-2.286074835	6.30E-34	9.32E-33	Fam132b
ENSMUSG00000042660.7	1790.471343	-1.661427976	6.61E-34	9.78E-33	Wdr55
ENSMUSG00000004100.12	2631.879951	-1.778528254	7.41E-34	1.10E-32	Ppan
ENSMUSG00000027070.14	10853.26166	-3.447787106	7.43E-34	1.10E-32	Lrp2
ENSMUSG00000019917.10	811.6422329	-1.747748423	7.58E-34	1.12E-32	10. Sep
ENSMUSG00000020521.7	1123.45761	-1.515770589	7.81E-34	1.15E-32	Rnft1
ENSMUSG00000030704.14	8128.047968	1.363091178	8.20E-34	1.21E-32	Rab6a
ENSMUSG000000061759.15	1171.204787	-1.883402327	8.27E-34	1.22E-32	Armt1
ENSMUSG00000038602.7	1771.742413	2.61851842	8.55E-34	1.26E-32	Slc35f1
ENSMUSG00000010760.5	345.1532392	-2.908667354	9.51E-34	1.40E-32	Phlda2
ENSMUSG00000036073.17	736.6398304	-1.888650823	9.68E-34	1.43E-32	Galt
ENSMUSG00000022053.13	236.4311852	3.336876538	9.71E-34	1.43E-32	Ebf2
ENSMUSG00000075569.10	177.3611606	5.097091864	9.73E-34	1.43E-32	Rsph10b
ENSMUSG000000078670.3	453.5908872	1.889571143	9.84E-34	1.45E-32	Fam174b
ENSMUSG00000035189.16	202.9336451	4.22496362	9.96E-34	1.46E-32	Ano4
ENSMUSG00000087211.7	229.0823226	7.174199699	1.08E-33	1.59E-32	Lhx1os
ENSMUSG00000020358.17	45909.87308	-1.280978936	1.10E-33	1.61E-32	Hnrmpab
ENSMUSG00000022245.15	119.2075982	4.662604857	1.16E-33	1.70E-32	Skor1
ENSMUSG00000001366.14	981.8630211	1.662681633	1.18E-33	1.73E-32	Fbxo9
ENSMUSG00000074735.2	191.1746828	-2.491064629	1.19E-33	1.74E-32	Gm21994
ENSMUSG000000057113.13	88614.40402	-2.157188691	1.20E-33	1.76E-32	Npm1
ENSMUSG000000072214.7	386.4087437	4.031550719	1.25E-33	1.83E-32	05. Sep
ENSMUSG00000068205.14	819.1028666	2.247083176	1.28E-33	1.88E-32	MacroD2
ENSMUSG00000074785.5	2416.130906	4.194513886	1.35E-33	1.97E-32	Plxnc1
ENSMUSG00000060371.12	127.8403176	6.030931174	1.40E-33	2.04E-32	Caln1
ENSMUSG000000027601.13	2152.829689	-1.440454298	1.41E-33	2.05E-32	Mtfr1
ENSMUSG00000016619.10	5520.404293	-1.388250484	1.45E-33	2.11E-32	Nup50
ENSMUSG00000091498.4	192.3743364	3.283877955	1.45E-33	2.11E-32	Mpc1-ps
ENSMUSG000000027071.14	203.8399637	3.815564208	1.47E-33	2.14E-32	P2rx3
ENSMUSG000000041654.15	742.7921054	1.907137231	1.52E-33	2.22E-32	Slc39a11
ENSMUSG00000040481.17	13001.78555	-1.502999446	1.56E-33	2.27E-32	Bptf
ENSMUSG00000024732.7	1480.099713	-1.683732492	1.61E-33	2.35E-32	Ccdc86
ENSMUSG000000026114.14	121.3374365	-5.454751941	1.70E-33	2.48E-32	Cnga3
ENSMUSG00000083674.3	137.0086792	3.041088078	1.73E-33	2.52E-32	Zfp133-ps
ENSMUSG00000036875.15	1269.84651	-2.48507246	1.75E-33	2.55E-32	Dna2
ENSMUSG00000028847.8	1873.391573	1.740674116	1.94E-33	2.82E-32	Trappc3
ENSMUSG00000036264.9	206.1703517	4.801653609	2.11E-33	3.06E-32	Fstl4
ENSMUSG00000038936.13	2615.462745	2.200693231	2.11E-33	3.06E-32	Scppdh
ENSMUSG00000072235.6	126315.0535	2.272211872	2.21E-33	3.21E-32	Tuba1a
ENSMUSG00000074909.4	1992.474375	1.638875017	2.29E-33	3.32E-32	Ranbp6
ENSMUSG00000080968.3	350.1772134	-2.916696947	2.33E-33	3.37E-32	RP23-3G8.4
ENSMUSG00000107021.1	138.6819053	5.800237149	2.34E-33	3.39E-32	RP24-79A6.8
ENSMUSG00000011382.8	218.8008926	-2.737227626	2.37E-33	3.44E-32	Dhdh
ENSMUSG00000020974.6	630.004227	-2.288344592	2.40E-33	3.47E-32	Pole2
ENSMUSG00000038375.15	3228.505193	2.499104057	2.44E-33	3.53E-32	Trp53inp2
ENSMUSG00000097343.2	205.8698903	3.341264953	2.60E-33	3.75E-32	RP23-17C12.6
ENSMUSG00000020541.12	1589.460135	-2.948716817	2.62E-33	3.79E-32	Tom11l
ENSMUSG000000037151.8	662.3347396	2.174930236	2.65E-33	3.82E-32	Lrrc20
ENSMUSG00000056755.13	200.1516298	5.820307561	2.80E-33	4.04E-32	Grm7
ENSMUSG00000047242.14	291.3606814	3.2141585	2.98E-33	4.30E-32	Taf9b
ENSMUSG00000044377.3	300.6184843	2.186408196	3.18E-33	4.58E-32	RP23-451D4.2
ENSMUSG00000076441.9	162.830649	-2.789276967	3.20E-33	4.60E-32	Ass1
ENSMUSG00000074264.12	693.6360943	10.37015901	3.24E-33	4.66E-32	Amy1
ENSMUSG00000043753.2	386.2103595	3.252471736	3.45E-33	4.97E-32	Dmrta1
ENSMUSG000000075254.12	6326.718879	-3.851789592	3.53E-33	5.08E-32	Heg1
ENSMUSG00000004356.8	5527.407741	-3.552624033	3.54E-33	5.09E-32	Utp20
ENSMUSG00000006476.19	1378.206064	1.778882774	3.56E-33	5.11E-32	Nsmf
ENSMUSG00000024030.6	488.6408965	3.422202297	3.87E-33	5.56E-32	Abcg1
ENSMUSG00000091514.2	97.84457551	4.681348734	3.93E-33	5.64E-32	RP23-32E23.8
ENSMUSG00000044857.7	1487.865021	1.717422088	4.00E-33	5.74E-32	Lemd2
ENSMUSG00000086147.2	173.8290518	-2.672762084	4.05E-33	5.81E-32	RP24-93B5.3
ENSMUSG00000028480.14	1185.854438	1.802650336	4.09E-33	5.85E-32	Glipr2
ENSMUSG00000021916.16	1216.332538	1.806204203	4.11E-33	5.88E-32	Glit8d1
ENSMUSG00000045657.3	211.1071063	7.432808707	4.11E-33	5.89E-32	Pcdhb10
ENSMUSG000000037171.6	396.7135339	-2.159888851	4.20E-33	6.01E-32	Nodal
ENSMUSG00000042308.14	1285.918314	-1.794633001	4.65E-33	6.65E-32	Setd1a
ENSMUSG00000030138.8	9141.764918	-2.125962196	4.86E-33	6.95E-32	Bms1

ENSMUSG00000013629.16	9570.371065	-3.632378832	4.89E-33	6.99E-32	Cad
ENSMUSG00000020882.17	1716.028831	2.930631134	4.91E-33	7.01E-32	Cacnb1
ENSMUSG00000024312.9	2995.625439	-2.2238202	5.11E-33	7.30E-32	Wdr46
ENSMUSG00000027715.9	6127.571822	-1.523141125	5.15E-33	7.34E-32	Ccna2
ENSMUSG00000004127.12	1035.559332	-1.549628996	5.22E-33	7.44E-32	Trmt10a
ENSMUSG00000055760.12	870.2855246	-1.828976422	5.30E-33	7.55E-32	Gemin6
ENSMUSG00000023460.12	1803.289259	1.709647434	5.37E-33	7.65E-32	Rab12
ENSMUSG00000049252.17	204.207054	5.772061594	5.58E-33	7.94E-32	Lrp1b
ENSMUSG00000036062.13	273.1681988	6.702650699	5.77E-33	8.21E-32	Phf24
ENSMUSG00000020669.15	229.9089599	3.289441359	5.91E-33	8.41E-32	Sh3yl1
ENSMUSG00000042589.18	578.2153946	4.021569091	6.09E-33	8.66E-32	Cux2
ENSMUSG00000025997.13	186.7488487	2.916530743	6.24E-33	8.85E-32	Ikzf2
ENSMUSG00000034007.10	1142.970511	2.043172689	6.23E-33	8.85E-32	Scaper
ENSMUSG00000021569.10	2022.6889	-1.78670382	6.58E-33	9.33E-32	Trip13
ENSMUSG00000029426.8	4854.441433	2.381367385	6.76E-33	9.59E-32	Scarb2
ENSMUSG00000017837.12	1872.91374	1.459849231	6.94E-33	9.84E-32	Nkiras2
ENSMUSG00000027469.16	5818.040544	-1.257066638	7.38E-33	1.05E-31	Tpx2
ENSMUSG00000056124.5	2771.031049	1.356019015	7.41E-33	1.05E-31	B4galt6
ENSMUSG00000039917.10	1611.071069	1.47426297	7.43E-33	1.05E-31	Rhbdd2
ENSMUSG00000037762.6	149.6119342	4.942724577	7.54E-33	1.07E-31	Slc16a9
ENSMUSG00000041078.7	352.2420655	4.324652686	7.66E-33	1.08E-31	Grid1
ENSMUSG00000043831.12	497.1051573	2.751973809	7.76E-33	1.10E-31	Lysmd4
ENSMUSG00000004933.17	192.6658322	4.235856081	8.30E-33	1.17E-31	Matk
ENSMUSG00000044365.15	1290.036833	2.222262599	8.30E-33	1.17E-31	Cxxc4
ENSMUSG00000032279.11	5141.998928	-1.265850309	8.49E-33	1.20E-31	Idh3a
ENSMUSG00000029319.8	761.6715524	1.577558588	8.70E-33	1.23E-31	Coq2
ENSMUSG00000043024.6	4440.895682	-2.35564318	8.77E-33	1.24E-31	RP24-266P6.9
ENSMUSG00000027424.11	774.4462048	-1.791168686	9.29E-33	1.31E-31	Mgme1
ENSMUSG00000027996.13	1180.508283	-1.871099836	9.35E-33	1.32E-31	Sfrp2
ENSMUSG00000029361.18	149.6050799	-2.648015492	1.01E-32	1.42E-31	Nos1
ENSMUSG00000026674.9	135.2442181	5.992474122	1.10E-32	1.55E-31	Ddr2
ENSMUSG00000105175.1	2845.682647	-1.543490407	1.23E-32	1.72E-31	RP23-316M11.8
ENSMUSG00000047013.15	474.4042506	4.30812519	1.24E-32	1.74E-31	Fbxo41
ENSMUSG00000028958.14	521.9040314	3.116257919	1.26E-32	1.76E-31	Tmub1
ENSMUSG00000035285.6	492.4987177	3.283558945	1.26E-32	1.76E-31	Nat14
ENSMUSG00000111080.1	471.3672647	1.720112877	1.34E-32	1.88E-31	RP23-128C4.4
ENSMUSG00000056671.6	218.0212044	-3.328437772	1.43E-32	2.00E-31	Prelid2
ENSMUSG00000048429.10	2465.984599	1.675861465	1.48E-32	2.07E-31	Timm29
ENSMUSG00000026039.9	1550.6488	-1.915759752	1.49E-32	2.09E-31	Sgol2a
ENSMUSG00000096014.1	314.6306611	3.910738749	1.53E-32	2.14E-31	Sox1
ENSMUSG00000086096.1	128.9832034	-3.50655047	1.62E-32	2.27E-31	RP23-35D18.1
ENSMUSG00000044005.13	467.6740117	-4.216831546	1.69E-32	2.37E-31	Gls2
ENSMUSG00000092086.1	3112.178526	-1.700532421	1.82E-32	2.54E-31	Gm6793
ENSMUSG00000032565.9	254.8649507	2.863668398	2.08E-32	2.91E-31	Nudt16
ENSMUSG00000097823.2	130.3298701	6.359071679	2.13E-32	2.97E-31	RP24-192L21.2
ENSMUSG00000024491.15	4105.359893	-1.734552906	2.27E-32	3.16E-31	Rbm27
ENSMUSG00000026698.8	485.5480578	2.186040769	2.30E-32	3.21E-31	Pigc
ENSMUSG00000020462.14	3445.789211	1.642045004	2.37E-32	3.30E-31	Cfap36
ENSMUSG00000046719.7	183.3226634	3.271021176	2.45E-32	3.41E-31	Nxph3
ENSMUSG00000018102.5	245.6313844	3.854206463	2.77E-32	3.86E-31	Hist1h2bc
ENSMUSG00000037161.14	134.4727055	-3.123078876	2.79E-32	3.89E-31	Mgarp
ENSMUSG00000056758.14	2099.497782	-1.350351926	2.92E-32	4.07E-31	Hmga2
ENSMUSG00000038271.17	971.9268114	1.706018443	3.08E-32	4.28E-31	Iffo1
ENSMUSG00000081953.1	12383.99864	-2.187022603	3.14E-32	4.36E-31	RP23-178D3.1
ENSMUSG00000020135.13	2864.752752	4.246246636	3.15E-32	4.38E-31	Apc2
ENSMUSG00000046636.5	23583.18905	-1.757911766	3.24E-32	4.50E-31	RP23-205H1.1
ENSMUSG00000031837.14	1232.022473	2.205489628	3.25E-32	4.51E-31	Necab2
ENSMUSG00000032046.15	1572.016986	1.512444619	3.47E-32	4.82E-31	Abhd12
ENSMUSG00000028466.15	1387.591648	2.612140948	3.52E-32	4.88E-31	Creb3
ENSMUSG00000034317.14	3865.483743	-1.565462424	3.52E-32	4.88E-31	Trim59
ENSMUSG0000003420.8	120.4507081	5.703526097	3.55E-32	4.92E-31	Fcgrt
ENSMUSG00000048355.2	5805.237193	1.39338418	3.56E-32	4.93E-31	Arxes1
ENSMUSG00000040078.9	5489.184737	-1.95393317	3.63E-32	5.03E-31	RP23-448G18.2
ENSMUSG00000028953.10	4790.865187	-1.253033313	3.98E-32	5.50E-31	Abcf2
ENSMUSG00000085795.8	537.0047662	2.84460337	4.00E-32	5.53E-31	Zfp703
ENSMUSG00000045912.9	177.9720377	3.849627922	4.05E-32	5.59E-31	C2cd4c
ENSMUSG00000041046.7	2365.540696	-3.71880314	4.31E-32	5.96E-31	Ramp3
ENSMUSG00000020037.15	424.4997782	2.85259083	4.55E-32	6.28E-31	Rfx4
ENSMUSG00000024359.8	22085.87124	-1.408338665	4.57E-32	6.30E-31	Hspa9
ENSMUSG00000037395.15	647.3415482	2.038658816	4.63E-32	6.38E-31	Rcor3
ENSMUSG00000035228.15	625.8865896	2.300870664	4.73E-32	6.52E-31	Ccdc106
ENSMUSG00000031949.17	1429.643938	-1.585334673	4.77E-32	6.56E-31	Adat1
ENSMUSG00000031333.7	2960.126733	-2.300774005	5.28E-32	7.26E-31	Abcb7
ENSMUSG00000028601.18	474.3139278	-1.958644406	5.53E-32	7.61E-31	Echdc2
ENSMUSG00000078689.8	97.80690761	-4.193341124	5.76E-32	7.92E-31	Mup6
ENSMUSG00000081451.1	619.6561525	-1.947164002	5.86E-32	8.06E-31	RP23-273P3.3
ENSMUSG00000053253.16	1434.162013	1.8174955	6.28E-32	8.63E-31	Ndfip2
ENSMUSG00000081789.1	814.9836071	-1.866383976	6.38E-32	8.77E-31	RP23-273K21.2
ENSMUSG000000061758.13	546.6557317	-1.809959769	6.67E-32	9.15E-31	Akr1b10
ENSMUSG00000019461.12	1175.155627	1.82020311	6.80E-32	9.33E-31	Plscr3
ENSMUSG00000033933.13	2786.195601	1.958139713	6.83E-32	9.36E-31	Vhl
ENSMUSG00000058655.9	16517.78081	-1.679890623	6.87E-32	9.42E-31	Eif4b
ENSMUSG00000053110.13	4799.591253	-2.109635244	7.64E-32	1.05E-30	Yap1

ENSMUSG00000042105.18	4728.519125	2.025261398	8.01E-32	1.10E-30	Inpp5f
ENSMUSG00000087497.7	562.669775	2.968993495	8.15E-32	1.11E-30	RP23-78H18.2
ENSMUSG00000031843.2	1193.071276	-1.631599078	8.37E-32	1.14E-30	Mphosph6
ENSMUSG00000097277.7	386.3156095	2.074347146	8.62E-32	1.18E-30	W11-1616M8.2
ENSMUSG00000113611.1	2524.739479	-1.751530885	9.39E-32	1.28E-30	RP24-65E6.4
ENSMUSG00000052160.7	97.35190218	-5.037241069	1.05E-31	1.44E-30	Pld4
ENSMUSG00000056553.14	832.7064781	5.292217771	1.09E-31	1.49E-30	Ptprn2
ENSMUSG00000042804.13	630.0539626	2.318958639	1.20E-31	1.64E-30	Gpr153
ENSMUSG00000041431.16	5657.449397	-1.602098567	1.21E-31	1.65E-30	Ccnb1
ENSMUSG00000020052.9	115.4687923	5.886444033	1.26E-31	1.72E-30	Ascl1
ENSMUSG00000021125.6	149.8671482	3.605121942	1.27E-31	1.73E-30	Arg2
ENSMUSG00000025154.14	2579.88796	-2.746654227	1.47E-31	2.00E-30	Arhgap19
ENSMUSG00000022433.19	7115.931006	1.603363833	1.47E-31	2.00E-30	Csnk1e
ENSMUSG00000058355.8	10834.12303	-1.93495982	1.51E-31	2.05E-30	Abce1
ENSMUSG00000006301.17	416.3534047	-1.935515242	1.54E-31	2.09E-30	Tmbim1
ENSMUSG00000026098.13	608.5582628	-2.646770974	1.56E-31	2.11E-30	Pms1
ENSMUSG00000075389.3	169.4133922	2.559677532	1.71E-31	2.32E-30	RP23-37J21.6
ENSMUSG00000020156.16	3315.786876	-1.292281947	1.71E-31	2.32E-30	Mum1
ENSMUSG00000045664.4	107.537284	4.453265475	1.83E-31	2.49E-30	Cdc42ep2
ENSMUSG00000026223.15	6452.886189	2.088055405	1.84E-31	2.49E-30	Itm2c
ENSMUSG00000070509.15	888.8658161	3.662740161	1.86E-31	2.52E-30	Rgma
ENSMUSG00000048807.2	862.6719344	2.302783546	1.88E-31	2.54E-30	Slc35e4
ENSMUSG00000028758.12	121.058146	3.685079309	1.93E-31	2.62E-30	Kif17
ENSMUSG00000031538.6	564.7224479	3.064332457	1.96E-31	2.66E-30	Plat
ENSMUSG00000030757.13	1090.643063	4.007036169	2.00E-31	2.70E-30	Zkscan2
ENSMUSG00000043110.2	345.3291113	-3.549413693	2.05E-31	2.78E-30	Lrrn4
ENSMUSG00000024975.12	1651.646309	1.473981136	2.06E-31	2.79E-30	Pdcd4
ENSMUSG00000026000.16	2538.946	1.29001565	2.07E-31	2.80E-30	Lancl1
ENSMUSG00000020875.9	104.2659917	4.462217442	2.11E-31	2.85E-30	Hoxb9
ENSMUSG00000001473.6	2954.686324	-1.836949938	2.12E-31	2.87E-30	Tubb6
ENSMUSG00000042857.3	107.6697472	3.410794476	2.43E-31	3.28E-30	RP23-464E7.4
ENSMUSG00000069743.4	236.8353072	-2.105481406	2.53E-31	3.42E-30	Zfp820
ENSMUSG00000028015.3	130.3775155	3.095127989	2.56E-31	3.45E-30	Ctso
ENSMUSG00000020638.8	246.637146	2.993113334	2.85E-31	3.84E-30	Cmpk2
ENSMUSG00000059742.10	149.430219	5.545513419	3.13E-31	4.22E-30	Kcnn7
ENSMUSG00000030208.15	146.8605807	6.710066498	3.25E-31	4.37E-30	Emp1
ENSMUSG00000006442.10	7045.841088	-2.006235121	3.34E-31	4.49E-30	Srm
ENSMUSG00000037936.15	1881.945681	-1.890572478	3.36E-31	4.52E-30	Scarb1
ENSMUSG00000049265.7	289.3348055	8.691889771	3.82E-31	5.13E-30	Kcnk3
ENSMUSG00000021250.13	151.3031809	3.06225315	3.88E-31	5.21E-30	Fos
ENSMUSG00000032017.14	291.5916914	3.260775131	4.05E-31	5.44E-30	Grik4
ENSMUSG00000052430.15	378.6137154	-2.778486166	4.08E-31	5.48E-30	Bmpr1b
ENSMUSG00000112302.1	201.6554295	2.807392712	4.09E-31	5.48E-30	RP24-454N4.2
ENSMUSG00000058006.12	12066.96064	-4.168353107	4.12E-31	5.53E-30	Mdn1
ENSMUSG00000032537.15	1249.995057	1.862522737	4.29E-31	5.74E-30	Ephb1
ENSMUSG00000035150.15	11768.62993	-1.359010492	4.32E-31	5.79E-30	Eif2s3x
ENSMUSG00000009551.2	117.7749308	6.049003478	4.43E-31	5.92E-30	RP23-17P12.8
ENSMUSG00000000732.9	261.9458596	-2.526873817	4.44E-31	5.94E-30	Icosl
ENSMUSG000000082016.3	10240.01806	-2.054417504	4.48E-31	5.99E-30	Pgam1-ps2
ENSMUSG00000007946.11	323.2579901	2.644806919	4.51E-31	6.02E-30	Phox2a
ENSMUSG00000063953.3	6460.80188	-1.645096229	4.58E-31	6.12E-30	Amd2
ENSMUSG00000031665.7	4491.231924	-2.311974332	4.76E-31	6.35E-30	Sall1
ENSMUSG00000028412.17	1511.84685	-2.269000428	4.89E-31	6.52E-30	Slc44a1
ENSMUSG00000041488.16	1071.727442	-1.874725512	5.00E-31	6.67E-30	Stx3
ENSMUSG00000072145.3	225.4654353	8.007403526	5.55E-31	7.39E-30	RP23-48M16.1
ENSMUSG00000072082.6	2755.581592	-1.459044811	5.90E-31	7.85E-30	Ccnf
ENSMUSG000000019880.10	794.1863621	2.7756972	6.24E-31	8.31E-30	Rspo3
ENSMUSG00000070287.3	94.84961999	4.311967013	6.37E-31	8.48E-30	Slc35g2
ENSMUSG00000044768.16	1058.454329	1.483783807	6.99E-31	9.30E-30	AC099860.1
ENSMUSG000000074794.10	3893.849109	1.724905859	7.54E-31	1.00E-29	Arrdc3
ENSMUSG00000039648.14	428.947138	2.056312994	7.83E-31	1.04E-29	Ccbl1
ENSMUSG00000028800.15	4015.598273	-1.251089179	7.88E-31	1.05E-29	Hdac1
ENSMUSG00000097908.7	979.0823189	-2.326232115	8.43E-31	1.12E-29	RP24-456B4.4
ENSMUSG00000027787.14	3417.508727	-1.481683008	8.78E-31	1.17E-29	Nmd3
ENSMUSG00000028528.16	1582.116411	3.054469147	8.97E-31	1.19E-29	Dnajc6
ENSMUSG00000020218.11	104.0879148	4.523907535	9.46E-31	1.25E-29	Wif1
ENSMUSG00000031780.2	120.7069696	-6.78998615	9.79E-31	1.30E-29	Ccl17
ENSMUSG00000025318.13	768.0629934	2.747855537	9.82E-31	1.30E-29	Jph3
ENSMUSG00000052957.8	681.2607552	1.930525981	1.01E-30	1.34E-29	Gas1
ENSMUSG00000063160.12	1383.93802	1.893138854	1.02E-30	1.35E-29	Numb1
ENSMUSG00000036167.16	5974.142978	-2.728031729	1.03E-30	1.36E-29	Pphln1
ENSMUSG00000083610.1	614.3939787	1.587487799	1.08E-30	1.42E-29	Oaz2-ps
ENSMUSG00000024617.16	156.8988148	6.476666523	1.13E-30	1.49E-29	Camk2a
ENSMUSG00000038518.15	7624.336432	-2.21288661	1.15E-30	1.52E-29	Jarid2
ENSMUSG00000005045.16	549.3938498	2.494478137	1.18E-30	1.55E-29	Chd5
ENSMUSG00000026980.15	1255.061996	-2.455843155	1.20E-30	1.59E-29	Ly75
ENSMUSG00000083282.2	457.4300608	2.384423074	1.21E-30	1.60E-29	Ctsf
ENSMUSG00000054676.15	527.1074155	1.631775952	1.23E-30	1.62E-29	RP23-89C10.1
ENSMUSG00000046417.14	383.4720668	2.59286153	1.29E-30	1.69E-29	Lrrc75a
ENSMUSG00000036478.8	1838.883188	1.999503578	1.40E-30	1.84E-29	Btg1
ENSMUSG00000020486.18	491.9916311	2.662623946	1.45E-30	1.91E-29	04_Sep
ENSMUSG00000026187.8	1844.131795	-1.521195039	1.49E-30	1.96E-29	Xrcc5
ENSMUSG00000033227.7	338.5311805	8.917495921	1.59E-30	2.09E-29	Wnt6

ENSMUSG00000034645.14	91.99165083	-5.734660842	1.60E-30	2.10E-29	Zyg11a
ENSMUSG00000067367.9	4346.470512	-2.666883051	1.61E-30	2.11E-29	Lyar
ENSMUSG00000028399.18	3937.207775	1.767354182	1.62E-30	2.12E-29	Ptprd
ENSMUSG00000035112.17	157.2371135	3.315757744	1.68E-30	2.20E-29	Wnk4
ENSMUSG000000100555.1	281.881845	-2.476537624	1.68E-30	2.21E-29	RP23-192E10.1
ENSMUSG00000002797.9	464.0818814	-2.725895895	1.68E-30	2.21E-29	Ggct
ENSMUSG00000031278.12	15394.07278	-2.383804164	1.69E-30	2.21E-29	Acs14
ENSMUSG00000040640.11	1370.345747	3.450477292	1.70E-30	2.23E-29	Erc2
ENSMUSG000000028469.15	341.1797982	4.150578076	1.82E-30	2.38E-29	Npr2
ENSMUSG00000081896.1	215.3126605	-2.893241095	1.91E-30	2.51E-29	RP23-80H12.1
ENSMUSG00000008859.8	3695.374881	1.37745304	1.95E-30	2.56E-29	Rala
ENSMUSG00000053199.13	301.1267943	4.672225292	2.02E-30	2.64E-29	Arhgap20
ENSMUSG00000051113.9	113.2587029	4.3242146	2.22E-30	2.91E-29	Fam71e1
ENSMUSG00000015568.16	2212.338425	-1.806943834	2.36E-30	3.09E-29	Lpl
ENSMUSG00000071456.6	1071.670442	-1.472337777	2.39E-30	3.11E-29	RP23-83G6.1
ENSMUSG00000038034.15	1822.566926	-1.337633203	2.57E-30	3.36E-29	Igsf8
ENSMUSG00000039942.15	230.229087	-3.118825812	2.59E-30	3.38E-29	Ptger4
ENSMUSG00000046152.16	361.1249665	-2.02604102	2.61E-30	3.40E-29	Fut10
ENSMUSG00000052302.6	275.9024426	4.955298037	2.66E-30	3.47E-29	Tbc1d30
ENSMUSG00000030966.13	208.334276	-2.2904938	2.67E-30	3.48E-29	Trim21
ENSMUSG00000026696.15	993.5127992	1.874507556	2.71E-30	3.53E-29	Vamp4
ENSMUSG00000024789.12	1141.8408	3.008442726	2.76E-30	3.59E-29	Jak2
ENSMUSG00000000948.16	6708.837399	-4.825409872	2.78E-30	3.62E-29	RP24-177J9.4
ENSMUSG00000044348.14	1091.168647	2.182646883	3.04E-30	3.95E-29	Slc25a53
ENSMUSG00000079055.10	177.8904207	5.656067102	3.08E-30	4.00E-29	Slc8a3
ENSMUSG00000035824.7	868.9836281	1.746884858	3.12E-30	4.06E-29	Tk2
ENSMUSG00000035632.16	2283.846784	-1.3894259	3.20E-30	4.15E-29	Cnot3
ENSMUSG00000036502.14	147.853988	6.391443401	3.26E-30	4.22E-29	Tmem255a
ENSMUSG00000018651.14	2792.51256	-1.540294206	3.30E-30	4.27E-29	Tada2a
ENSMUSG00000114603.1	1557.889968	1.495836371	3.37E-30	4.37E-29	RP23-370B22.5
ENSMUSG00000002857.10	3061.688447	1.406490721	3.40E-30	4.40E-29	Rnf11
ENSMUSG00000043085.14	299.6228015	-3.005219183	3.42E-30	4.43E-29	Tmem82
ENSMUSG00000081758.1	488.0442794	2.670221531	3.43E-30	4.43E-29	RP23-138C10.2
ENSMUSG00000002844.9	3195.710201	1.662223354	3.59E-30	4.65E-29	Adprh
ENSMUSG00000024795.11	2113.022378	-2.338273803	3.60E-30	4.66E-29	Kif20b
ENSMUSG00000046321.8	120.5210614	6.411949058	3.68E-30	4.75E-29	Hs3st2
ENSMUSG00000024534.15	396.3963211	3.629820163	4.01E-30	5.18E-29	Sncalp
ENSMUSG000000033762.8	1135.777684	-2.324545904	4.07E-30	5.25E-29	Recql4
ENSMUSG00000062753.14	298.1563955	2.937203555	4.08E-30	5.26E-29	RP23-189L19.6
ENSMUSG00000023944.14	153646.2619	-1.295711518	4.28E-30	5.52E-29	Hsp90ab1
ENSMUSG000000048175.13	1088.224342	1.512876286	4.29E-30	5.53E-29	Asb8
ENSMUSG00000079139.4	24688.23036	-1.539491194	4.77E-30	6.15E-29	RP24-387G4.1
ENSMUSG00000020407.13	555.8020951	-4.823393686	4.79E-30	6.17E-29	Upp1
ENSMUSG00000024713.15	152.2896011	3.619629211	4.79E-30	6.17E-29	Pcsk5
ENSMUSG00000044647.16	1308.549153	2.473894729	4.81E-30	6.19E-29	Csrnp3
ENSMUSG000000022656.15	6730.49515	-1.244316448	5.04E-30	6.49E-29	Nectin3
ENSMUSG00000036469.16	173.6275271	4.95147648	5.76E-30	7.41E-29	01_Mrz
ENSMUSG000000049164.6	1106.465951	-1.725436731	5.79E-30	7.45E-29	Zfp518a
ENSMUSG00000057762.6	1814.974945	-1.962619286	5.92E-30	7.60E-29	RP23-323M20.3
ENSMUSG00000040649.15	4375.317265	1.661216152	6.19E-30	7.94E-29	Rimklb
ENSMUSG00000032300.7	1554.436018	-2.124677358	6.66E-30	8.54E-29	RP23-437A9.3
ENSMUSG00000055874.6	90.25784279	-4.50521732	6.66E-30	8.54E-29	Foxi3
ENSMUSG00000005986.15	428.198351	2.278786297	6.83E-30	8.76E-29	Ankrd13d
ENSMUSG00000017774.19	1278.305063	-2.250909336	6.87E-30	8.81E-29	Myo1c
ENSMUSG00000052915.14	5871.614945	1.279844814	6.99E-30	8.96E-29	Msl1
ENSMUSG00000042766.17	972.8313103	2.217831341	7.00E-30	8.96E-29	Trim46
ENSMUSG000000081120.1	1053.736366	-1.79986644	7.17E-30	9.18E-29	RP23-102112.1
ENSMUSG00000028863.13	1840.45705	1.387082426	7.49E-30	9.58E-29	Meaf6
ENSMUSG00000021007.14	586.5275394	1.703336381	7.83E-30	1.00E-28	Spata7
ENSMUSG00000108601.1	299.9506548	8.73745519	7.94E-30	1.01E-28	RP23-8J8.4
ENSMUSG00000024787.13	495.8425083	1.675200052	8.28E-30	1.06E-28	Snx15
ENSMUSG00000028678.13	2321.284553	-1.554592317	8.92E-30	1.14E-28	Kif2c
ENSMUSG00000017999.16	4109.964037	-1.308737816	8.93E-30	1.14E-28	Ddx27
ENSMUSG00000031772.17	233.5994795	4.411589236	9.37E-30	1.20E-28	Cntnap4
ENSMUSG00000002428.12	2398.984909	-2.460251351	9.42E-30	1.20E-28	Hlhf
ENSMUSG00000021939.8	6203.131684	1.393810551	9.85E-30	1.26E-28	Ctsb
ENSMUSG00000055629.5	2027.294674	1.557832611	1.02E-29	1.30E-28	B4galnt4
ENSMUSG000000061136.14	8172.978384	-1.178065785	1.03E-29	1.32E-28	Prpf40a
ENSMUSG00000103509.1	124.0165616	-3.088876271	1.04E-29	1.32E-28	W11-817D1.2
ENSMUSG00000040687.16	2110.31522	2.63124952	1.10E-29	1.39E-28	Madd
ENSMUSG000000039756.12	4262.626408	-1.353104285	1.17E-29	1.49E-28	Dnttip2
ENSMUSG00000056004.16	488.7316111	2.699101303	1.19E-29	1.51E-28	AC157555.1
ENSMUSG00000002105.15	503.8812972	2.235941756	1.20E-29	1.52E-28	Slc39a13
ENSMUSG00000051242.1	1212.997347	11.76238106	1.31E-29	1.66E-28	Pcdhb9
ENSMUSG000000040022.14	862.3448341	2.871990746	1.34E-29	1.70E-28	Rab11fip2
ENSMUSG00000020877.11	553.2641036	2.689586628	1.37E-29	1.73E-28	Scrn2
ENSMUSG00000037013.15	3240.4492	-1.377017781	1.41E-29	1.79E-28	Ss18
ENSMUSG00000025591.6	1711.657111	-1.451016224	1.52E-29	1.92E-28	Tma16
ENSMUSG000000031633.4	13439.51052	3.218687494	1.54E-29	1.94E-28	Slc25a4
ENSMUSG00000027983.13	153.8466922	2.594030288	1.56E-29	1.98E-28	Cyp2u1
ENSMUSG00000085148.1	245.2276557	2.61225237	1.58E-29	2.00E-28	Mir22hg
ENSMUSG00000034105.9	643.8904879	2.025208526	1.61E-29	2.03E-28	Tlhc1
ENSMUSG00000022385.11	1049.696848	-1.889468897	1.62E-29	2.05E-28	Gtse1

ENSMUSG00000039740.6	5573.189963	2.553467864	1.62E-29	2.05E-28	Alg2
ENSMUSG00000106133.1	1712.465651	1.854244222	1.64E-29	2.07E-28	RP23-451E8.2
ENSMUSG000000051527.11	1322.656141	2.624524779	1.70E-29	2.15E-28	Usp29
ENSMUSG000000046876.16	327.8477416	3.529586291	1.77E-29	2.23E-28	Atxn1
ENSMUSG000000069601.14	3609.415205	1.432205778	1.80E-29	2.27E-28	Ank3
ENSMUSG00000033596.5	6372.053292	-1.761260333	1.86E-29	2.35E-28	Rfwd3
ENSMUSG00000045594.10	809.6565359	1.701323003	1.87E-29	2.36E-28	Glb1
ENSMUSG00000063568.11	435.1895245	4.522047504	1.88E-29	2.37E-28	Jazf1
ENSMUSG00000044757.7	11668.07335	-2.206017654	1.89E-29	2.38E-28	RP24-496O18.2
ENSMUSG00000025959.13	2247.10598	1.413144643	1.93E-29	2.42E-28	Klf7
ENSMUSG00000025175.12	119.0945129	3.223452925	1.93E-29	2.43E-28	Fn3k
ENSMUSG00000110185.1	126.1808287	6.481024369	1.96E-29	2.47E-28	Igip
ENSMUSG00000028603.15	2232.355912	1.870343009	2.02E-29	2.53E-28	Scp2
ENSMUSG000000037362.8	213.3630595	2.507847238	2.05E-29	2.58E-28	Nov
ENSMUSG00000025047.8	6774.283488	-2.444464039	2.07E-29	2.60E-28	Pdcd11
ENSMUSG00000103921.1	892.6078856	-2.197984611	2.09E-29	2.62E-28	RP24-422L17.1
ENSMUSG00000018974.7	4237.615895	-1.614953699	2.17E-29	2.72E-28	Sart3
ENSMUSG00000078619.10	1488.856045	-1.377102607	2.28E-29	2.86E-28	Smardc2
ENSMUSG00000062373.8	1854.092784	1.586588757	2.30E-29	2.88E-28	Tmem65
ENSMUSG00000026687.14	2862.166107	-1.810615386	2.31E-29	2.89E-28	Aldh9a1
ENSMUSG00000029191.16	5170.75424	-1.426820941	2.31E-29	2.89E-28	Rfc1
ENSMUSG00000022750.18	975.2261061	1.445653273	2.38E-29	2.97E-28	Klhl22
ENSMUSG00000035653.16	207.0122475	6.745992231	2.42E-29	3.02E-28	Lrfn5
ENSMUSG00000022892.11	12297.88654	3.15713605	2.49E-29	3.11E-28	App
ENSMUSG00000056498.13	131.8802065	-3.977838933	2.52E-29	3.15E-28	Tmem154
ENSMUSG00000036760.7	265.2917035	7.398374771	2.56E-29	3.20E-28	Kcnk9
ENSMUSG00000014704.10	258.2236773	8.526068328	2.56E-29	3.20E-28	Hoxa2
ENSMUSG00000063334.16	3209.029002	-1.290709079	2.70E-29	3.37E-28	Krr1
ENSMUSG00000042662.16	99.98559128	5.431489673	2.77E-29	3.45E-28	Dusp15
ENSMUSG00000026113.17	1795.729714	3.398174438	2.78E-29	3.47E-28	Inpp4a
ENSMUSG00000026991.20	3321.04537	-1.331186655	3.07E-29	3.82E-28	Pkp4
ENSMUSG00000031938.15	768.344274	1.589098428	3.09E-29	3.85E-28	RP23-424C4.5
ENSMUSG00000087071.1	90.63317271	-5.700954757	3.43E-29	4.26E-28	Trp73os
ENSMUSG00000116678.1	349.4770183	-1.914461042	3.55E-29	4.42E-28	RP24-811I4.1
ENSMUSG00000064267.13	529.2797233	-2.020705366	3.59E-29	4.47E-28	Hvcn1
ENSMUSG00000021504.14	887.8680817	1.80014963	3.68E-29	4.57E-28	B4galt7
ENSMUSG00000025903.14	2057.625299	-1.376654814	3.89E-29	4.83E-28	Lypla1
ENSMUSG000000091655.3	1651.664288	-1.317644358	4.34E-29	5.39E-28	RP23-331E12.5
ENSMUSG00000026003.5	1882.571019	-1.511411802	4.40E-29	5.46E-28	Acadl
ENSMUSG00000020627.10	551.7591602	4.036462084	4.46E-29	5.53E-28	Klhl29
ENSMUSG00000036298.10	171.8071702	7.347100057	4.48E-29	5.55E-28	Slc2a13
ENSMUSG00000022092.11	334.8801005	2.229699163	4.50E-29	5.58E-28	Ppp3cc
ENSMUSG00000090243.1	440.5870029	-2.382676368	4.54E-29	5.63E-28	AC159092.3
ENSMUSG00000034958.11	3089.387119	2.447015737	4.55E-29	5.63E-28	Atcay
ENSMUSG00000037493.6	359.1765773	3.862850999	4.61E-29	5.71E-28	Cib2
ENSMUSG00000068617.5	234.1333405	2.419622214	4.69E-29	5.80E-28	Efcab1
ENSMUSG00000049583.15	111.6276998	4.03186394	4.73E-29	5.85E-28	Grm5
ENSMUSG00000026568.6	1343.878017	3.934011887	5.01E-29	6.19E-28	Mpc2
ENSMUSG00000114571.1	3773.758919	-1.343136806	5.06E-29	6.25E-28	RP24-474C15.4
ENSMUSG00000106390.1	287.8598009	-2.181909822	5.19E-29	6.41E-28	RP23-397C5.4
ENSMUSG00000026806.15	888.3333239	-1.841334308	5.26E-29	6.50E-28	Ddx31
ENSMUSG00000075232.5	6577.666977	-1.648634406	5.45E-29	6.73E-28	Amd1
ENSMUSG00000040855.15	143.8723662	4.419930369	5.60E-29	6.91E-28	Reps2
ENSMUSG00000053965.10	654.7714691	-1.814431996	5.80E-29	7.16E-28	Pde5a
ENSMUSG00000069135.11	1932.917104	-1.533410823	5.91E-29	7.28E-28	Fgfr1op
ENSMUSG00000026688.5	1076.883395	4.143423027	5.92E-29	7.30E-28	Mgst3
ENSMUSG00000039831.16	1604.968139	-2.544542796	5.98E-29	7.37E-28	Arhgap29
ENSMUSG00000094786.1	345.0895585	-2.475235027	6.04E-29	7.43E-28	RP24-63F2.1
ENSMUSG00000036390.8	716.5041035	2.581202531	6.44E-29	7.92E-28	Gadd45a
ENSMUSG00000047473.14	571.6023243	2.35695704	6.53E-29	8.04E-28	Zfp30
ENSMUSG00000021532.11	652.1748984	-1.738537104	6.64E-29	8.16E-28	Fastkd3
ENSMUSG00000026355.11	9118.870363	-1.28991132	6.72E-29	8.25E-28	Mcm6
ENSMUSG00000034437.8	4559.051495	-1.385149665	7.16E-29	8.79E-28	RP23-453M11.1
ENSMUSG00000089809.9	343.3747415	2.695122562	7.67E-29	9.42E-28	Rasgef1b
ENSMUSG00000032519.11	1382.153685	-1.533071173	7.85E-29	9.63E-28	Slc25a38
ENSMUSG00000026686.14	142.2586714	7.075019869	8.11E-29	9.95E-28	Lmx1a
ENSMUSG00000029004.15	2922.461749	1.301575179	8.22E-29	1.01E-27	Kmt2e
ENSMUSG00000113642.1	509.6393776	1.872845223	8.85E-29	1.08E-27	RP24-66D20.1
ENSMUSG00000059182.7	506.4350436	1.730415213	8.87E-29	1.09E-27	Skap2
ENSMUSG00000062203.15	8812.547091	-2.254069122	8.93E-29	1.09E-27	Gspt1
ENSMUSG00000042428.6	1682.415692	3.068119593	9.91E-29	1.21E-27	Mgat3
ENSMUSG00000031671.11	611.4258634	-1.661204606	1.10E-28	1.34E-27	Setd6
ENSMUSG00000022947.8	212.6726312	-3.37674406	1.17E-28	1.43E-27	Cbr3
ENSMUSG00000027624.19	2217.319069	3.669668119	1.20E-28	1.47E-27	Epb4111
ENSMUSG00000037722.8	1134.605006	-1.581925192	1.24E-28	1.51E-27	Gnpnat1
ENSMUSG00000002147.18	1147.324198	-2.373429164	1.28E-28	1.56E-27	Stat6
ENSMUSG00000030302.16	768.1760352	4.225178775	1.41E-28	1.72E-27	Atp2b2
ENSMUSG00000022698.17	8553.057846	-1.162710719	1.43E-28	1.74E-27	Naa50
ENSMUSG00000059713.12	1553.03447	2.459204969	1.45E-28	1.77E-27	Rcan3
ENSMUSG00000033430.10	3187.263389	1.211683942	1.46E-28	1.78E-27	Terf2ip
ENSMUSG00000039782.14	1093.89719	2.921885643	1.47E-28	1.79E-27	Cpeb2
ENSMUSG00000025738.7	1322.741486	3.562467741	1.48E-28	1.80E-27	Fbxl16
ENSMUSG00000005447.12	3476.497151	2.739332089	1.53E-28	1.86E-27	Pafah1b3

ENSMUSG00000027510.17	1459.982773	-1.316048058	1.59E-28	1.93E-27	Rbm38
ENSMUSG00000083761.1	1335.129923	-2.137159802	1.59E-28	1.93E-27	Pgam1-ps1
ENSMUSG00000037971.10	462.9757987	2.354178118	1.61E-28	1.96E-27	RP23-446P16.2
ENSMUSG00000087177.7	493.8865811	2.843651025	1.67E-28	2.03E-27	RP24-271F24.2
ENSMUSG000000053769.5	561.5174117	2.322438668	1.67E-28	2.03E-27	Lysmd1
ENSMUSG00000000325.16	3357.059908	1.768194375	1.69E-28	2.05E-27	Arvcf
ENSMUSG00000028018.15	1439.682795	-2.209859595	1.93E-28	2.34E-27	Gstcd
ENSMUSG00000002032.17	107.9105607	3.603501856	2.04E-28	2.47E-27	Tmem25
ENSMUSG000000109511.1	3986.669226	-1.292884443	2.09E-28	2.54E-27	Nup62
ENSMUSG00000049680.17	936.5194703	2.529255231	2.14E-28	2.60E-27	Urgcp
ENSMUSG00000066357.6	14431.4024	1.899293656	2.19E-28	2.65E-27	Wdr6
ENSMUSG00000056820.7	4844.703939	1.257342427	2.19E-28	2.65E-27	Tsnax
ENSMUSG00000029641.8	125.6378515	-3.256005908	2.19E-28	2.65E-27	Rasl11a
ENSMUSG00000061411.12	1622.28547	3.329590708	2.26E-28	2.74E-27	Nol4l
ENSMUSG00000015112.15	289.9685203	-2.175519198	2.32E-28	2.81E-27	Slc25a13
ENSMUSG000000033721.16	624.9046472	2.198015545	2.39E-28	2.89E-27	Vav3
ENSMUSG00000114282.1	365.1990318	3.525721173	2.41E-28	2.91E-27	RP24-195M20.2
ENSMUSG00000025364.13	12976.65142	-1.803146296	2.44E-28	2.94E-27	Pa2g4
ENSMUSG00000031872.14	163.8607029	7.543755281	2.44E-28	2.94E-27	Bean1
ENSMUSG000000019853.6	334.1226461	-1.964416152	2.46E-28	2.97E-27	Hebp2
ENSMUSG00000022840.9	715.1575302	3.476261285	2.51E-28	3.02E-27	Adcy5
ENSMUSG00000021806.4	8071.400291	-3.414706185	2.53E-28	3.04E-27	Nid2
ENSMUSG00000032312.7	2576.544623	1.262872482	2.71E-28	3.26E-27	Csk
ENSMUSG00000027905.15	2021.92418	-1.579192067	2.71E-28	3.27E-27	Ddx20
ENSMUSG00000004360.9	1530.252886	3.729379055	2.78E-28	3.35E-27	RP23-331E5.6
ENSMUSG00000031995.9	132.8774777	-3.459562795	2.79E-28	3.36E-27	St14
ENSMUSG000000031342.17	1335.532767	2.424107824	2.81E-28	3.38E-27	Gpm6b
ENSMUSG00000062861.8	383.3320431	3.60740116	2.84E-28	3.41E-27	Zfp28
ENSMUSG00000071103.9	127.4120688	2.963478657	2.85E-28	3.42E-27	AC114558.6
ENSMUSG00000068373.15	802.4314857	3.921811692	2.85E-28	3.42E-27	RP24-297H17.3
ENSMUSG00000087231.7	119.4017087	5.125169377	2.90E-28	3.48E-27	RP23-129P10.1
ENSMUSG00000026312.17	310.4101699	4.051218475	2.93E-28	3.52E-27	Cdh7
ENSMUSG00000055491.13	4624.414348	-3.017411961	2.97E-28	3.56E-27	Pprc1
ENSMUSG000000049502.17	425.9282685	-2.721016701	3.10E-28	3.72E-27	Dtx3l
ENSMUSG00000047264.8	1168.7171149	2.12826161	3.12E-28	3.73E-27	Zfp358
ENSMUSG00000071679.4	257.2186279	7.928249942	3.14E-28	3.76E-27	Zcchc16
ENSMUSG00000049047.11	4479.78153	1.436555238	3.21E-28	3.84E-27	Armxc3
ENSMUSG00000020785.17	396.0548269	2.437062146	3.38E-28	4.05E-27	Camkk1
ENSMUSG00000055761.14	175.0905306	3.136962704	3.43E-28	4.11E-27	Nkain3
ENSMUSG00000091639.2	57376.42405	1.473064398	3.61E-28	4.31E-27	RP24-63K13.3
ENSMUSG00000022762.18	250.4982701	6.216987967	3.61E-28	4.32E-27	Ncam2
ENSMUSG000000072605.10	91.66132254	3.769233847	3.64E-28	4.35E-27	RP23-136I9.2
ENSMUSG00000000416.16	584.143727	2.940965966	3.70E-28	4.42E-27	Cttnbp2
ENSMUSG00000085037.1	101.4978379	3.510404407	3.85E-28	4.59E-27	RP23-12I24.9
ENSMUSG00000030978.10	6658.478859	-1.39506575	4.00E-28	4.77E-27	Rrm1
ENSMUSG000000029112.5	134.4391268	6.99010316	4.20E-28	5.00E-27	Nkx1-1
ENSMUSG00000037275.14	8113.972158	-2.838445831	4.26E-28	5.08E-27	Gemin5
ENSMUSG00000023011.8	217.2946072	2.970884358	4.46E-28	5.31E-27	Faim2
ENSMUSG00000047371.7	822.8114041	1.931012138	4.50E-28	5.36E-27	Zfp768
ENSMUSG00000042626.13	2201.426722	-1.692883531	4.51E-28	5.36E-27	Shc1
ENSMUSG00000044636.6	1264.544348	1.941919058	4.51E-28	5.36E-27	Csrp2
ENSMUSG00000039716.12	872.6441217	2.990411763	4.69E-28	5.58E-27	Dock3
ENSMUSG00000031688.4	93.56286467	3.984699093	4.74E-28	5.64E-27	Pou4f2
ENSMUSG00000039717.16	381.0701782	9.501785129	4.86E-28	5.77E-27	Raly1
ENSMUSG00000102740.1	291.4003879	-1.984292748	4.89E-28	5.81E-27	RP23-310C14.2
ENSMUSG00000071531.3	591.7102812	3.477002202	5.07E-28	6.02E-27	Gprin2
ENSMUSG00000042763.9	798.3793191	2.167280658	5.11E-28	6.07E-27	Maneal
ENSMUSG00000104496.1	3088.665338	-1.540544263	5.13E-28	6.08E-27	RP23-13N24.1
ENSMUSG00000026972.15	320.8754195	1.983314574	5.32E-28	6.31E-27	Arrdc1
ENSMUSG00000041303.7	2863.243136	-1.629837044	5.41E-28	6.41E-27	Gtf3c3
ENSMUSG00000041064.13	570.1259215	-2.291832239	5.64E-28	6.69E-27	Pif1
ENSMUSG00000039509.8	3408.658741	-1.460602034	5.66E-28	6.70E-27	Nup133
ENSMUSG00000049225.14	1210.500109	1.537735307	5.70E-28	6.74E-27	Pdp1
ENSMUSG00000032602.6	805.3023531	1.58552295	5.90E-28	6.98E-27	Slc25a20
ENSMUSG00000034555.14	139.4278457	-3.269815019	5.90E-28	6.98E-27	Tex16
ENSMUSG00000058492.5	1992.325844	2.043669391	6.15E-28	7.27E-27	RP24-390M17.2
ENSMUSG00000044847.13	2149.072986	1.556661694	6.23E-28	7.36E-27	Lsm11
ENSMUSG00000023025.16	7674.127422	-2.178920316	6.26E-28	7.39E-27	Larp4
ENSMUSG00000035521.13	907.8889468	1.518708094	6.28E-28	7.41E-27	Gnptg
ENSMUSG00000035181.6	1846.66838	-2.745712572	6.31E-28	7.45E-27	Heatr5a
ENSMUSG000000052675.11	112.6104558	3.854054592	6.49E-28	7.66E-27	Zfp112
ENSMUSG00000029757.16	98.52484498	5.654251038	6.60E-28	7.79E-27	Dync1i1
ENSMUSG00000020427.11	1329.062322	-1.457248327	6.69E-28	7.89E-27	Igfbp3
ENSMUSG00000030286.6	3591.69073	1.392503029	6.98E-28	8.23E-27	Emc3
ENSMUSG000000037316.9	2513.898171	-1.647819191	7.47E-28	8.80E-27	Bag4
ENSMUSG00000029186.12	1490.627502	-1.751070579	7.84E-28	9.23E-27	Pi4k2b
ENSMUSG00000025403.5	5273.93632	-1.142589553	8.31E-28	9.78E-27	Shmt2
ENSMUSG00000028010.16	2093.792585	-1.959904805	8.45E-28	9.94E-27	Gar1
ENSMUSG000000027426.9	1482.791398	-2.136371116	8.51E-28	1.00E-26	Carmt1
ENSMUSG00000038312.10	1356.621004	1.28543041	8.72E-28	1.02E-26	Edem2
ENSMUSG00000085408.1	108.3115829	3.987063871	8.82E-28	1.04E-26	RP23-233B9.7
ENSMUSG000000027185.15	3275.691828	-1.846281373	8.88E-28	1.04E-26	Nat10
ENSMUSG00000029036.18	3310.142919	-1.262193571	8.96E-28	1.05E-26	Atad3a

ENSMUSG00000038797.13	430.873583	1.931431023	8.98E-28	1.05E-26	Zscan2
ENSMUSG00000035877.17	544.8027434	3.021319801	9.08E-28	1.07E-26	Zhx3
ENSMUSG00000058290.4	3489.568965	-2.784086973	9.34E-28	1.09E-26	Espl1
ENSMUSG00000006398.15	4458.900202	-1.612647839	1.00E-27	1.18E-26	Cdc20
ENSMUSG00000026860.16	1476.57856	1.301566187	1.01E-27	1.18E-26	Sh3glb2
ENSMUSG00000113258.1	11467.04105	-2.249059232	1.02E-27	1.20E-26	RP23-111H19.2
ENSMUSG00000052798.13	3252.596571	-1.904165086	1.05E-27	1.23E-26	Nup107
ENSMUSG00000055003.14	197.3012033	-2.646873878	1.08E-27	1.26E-26	Lrtm2
ENSMUSG00000028957.12	528.3786052	-2.277719662	1.09E-27	1.28E-26	Per3
ENSMUSG00000027525.17	292.1876134	2.442543447	1.14E-27	1.33E-26	Phactr3
ENSMUSG00000045257.10	306.0061942	3.84251458	1.16E-27	1.35E-26	Morn2
ENSMUSG00000020064.9	2311.126381	-1.958808387	1.17E-27	1.37E-26	Herc4
ENSMUSG00000024140.9	227.04312	-2.77464961	1.20E-27	1.40E-26	Epas1
ENSMUSG00000039693.11	1814.463276	-1.440760091	1.25E-27	1.46E-26	Msantd3
ENSMUSG00000020000.7	559.8473804	-3.706819147	1.30E-27	1.52E-26	Moxd1
ENSMUSG00000022456.16	6011.737521	2.86101139	1.35E-27	1.57E-26	03_Sep
ENSMUSG00000030411.16	1970.170135	3.147006613	1.35E-27	1.57E-26	Nova2
ENSMUSG00000018567.14	6928.071192	2.531525648	1.37E-27	1.60E-26	Gabarap
ENSMUSG00000107512.1	147.3970107	7.133343597	1.38E-27	1.60E-26	RP23-178117.3
ENSMUSG00000049090.2	421.124507	2.43072197	1.43E-27	1.67E-26	Zadh2
ENSMUSG00000025969.15	1728.002984	2.821932601	1.50E-27	1.74E-26	Nrp2
ENSMUSG00000082725.1	129.8590734	6.205505609	1.57E-27	1.82E-26	RP24-410N21.2
ENSMUSG00000026204.15	1868.121455	2.516968042	1.67E-27	1.94E-26	Ptprn
ENSMUSG00000072694.7	1686.736646	2.608857636	1.67E-27	1.94E-26	RP23-3M10.10
ENSMUSG00000028047.11	1308.326944	-2.349659461	1.72E-27	1.99E-26	Thbs3
ENSMUSG00000037725.8	1289.275994	-1.27234498	1.75E-27	2.03E-26	Ckap2
ENSMUSG00000060791.15	132.1904269	-3.458630255	1.76E-27	2.04E-26	Gmfj
ENSMUSG00000027394.13	1127.175284	1.634164069	1.76E-27	2.05E-26	Ttl
ENSMUSG00000110631.1	1391.552994	-3.446386231	1.80E-27	2.09E-26	RP24-286J21.7
ENSMUSG00000001785.13	2826.948012	-1.25997006	1.82E-27	2.11E-26	Pwp1
ENSMUSG00000059208.14	15372.71289	-1.159594995	1.84E-27	2.14E-26	Hnrnpm
ENSMUSG00000046727.12	531.8582321	2.886454381	1.85E-27	2.14E-26	Cystm1
ENSMUSG00000054808.15	11570.20906	-1.551016939	1.86E-27	2.15E-26	Actn4
ENSMUSG00000029385.14	1656.819845	2.054947771	1.86E-27	2.15E-26	Ccng2
ENSMUSG00000074865.11	888.7123571	-1.555953558	1.88E-27	2.17E-26	Zfp934
ENSMUSG00000021314.12	1387.168385	2.129061467	1.94E-27	2.24E-26	Amph
ENSMUSG00000019961.17	10080.79223	-1.898889063	2.06E-27	2.38E-26	Tmpo
ENSMUSG00000024083.15	5223.48821	2.209347542	2.06E-27	2.38E-26	Pja2
ENSMUSG00000009739.17	561.2363945	3.129941276	2.09E-27	2.41E-26	Pou6f1
ENSMUSG00000081044.8	81.55878866	-5.229382597	2.19E-27	2.52E-26	RP23-158M12.2
ENSMUSG00000032724.5	574.1486192	3.128638534	2.23E-27	2.57E-26	Abtb2
ENSMUSG00000112847.1	126.4812323	3.611894611	2.24E-27	2.59E-26	RP24-406115.5
ENSMUSG0000000197.8	256.8907462	4.930069994	2.26E-27	2.60E-26	Nalcn
ENSMUSG00000031298.15	303.0915213	2.59962897	2.30E-27	2.65E-26	Adgrg2
ENSMUSG00000045328.11	3106.631447	-1.467852541	2.46E-27	2.83E-26	Cenpe
ENSMUSG00000041633.14	627.2834077	-3.068288545	2.46E-27	2.84E-26	Kctd12b
ENSMUSG00000044548.11	1041.007318	2.34435155	2.52E-27	2.90E-26	Dact1
ENSMUSG00000062510.12	914.343837	-1.63785458	2.60E-27	2.99E-26	Nsl1
ENSMUSG00000026683.14	1555.689086	-1.382889429	2.65E-27	3.05E-26	Nuf2
ENSMUSG00000047986.12	224.9752403	-2.041640095	2.70E-27	3.11E-26	Palm3
ENSMUSG00000030494.13	614.1977169	-1.874284039	2.76E-27	3.17E-26	Rhpn2
ENSMUSG00000100141.1	212.5585043	-2.210157073	2.78E-27	3.19E-26	RP24-229N16.1
ENSMUSG00000042359.18	585.5794324	3.882661731	2.86E-27	3.29E-26	Osbpl6
ENSMUSG00000034460.9	387.7216301	-2.178896702	3.01E-27	3.45E-26	Six4
ENSMUSG00000100600.6	112.4248622	3.921375579	3.11E-27	3.57E-26	RP23-48C24.2
ENSMUSG00000041341.10	4274.614195	-2.874734277	3.22E-27	3.69E-26	Atg2b
ENSMUSG00000054021.6	353.607415	2.28130218	3.28E-27	3.76E-26	Sirt5
ENSMUSG00000029060.17	1031.249061	1.610650599	3.58E-27	4.10E-26	Mib2
ENSMUSG00000004771.12	3733.468545	1.62192545	3.61E-27	4.13E-26	Rab11a
ENSMUSG00000007039.12	4586.452196	2.539739247	3.65E-27	4.17E-26	Ddah2
ENSMUSG00000032235.15	842.4019799	-1.527838421	3.77E-27	4.31E-26	Ice2
ENSMUSG00000026150.14	4158.452446	1.179687276	3.78E-27	4.32E-26	Mff
ENSMUSG00000033356.3	432.6820578	-1.855332337	3.82E-27	4.37E-26	Pus7l
ENSMUSG00000020612.16	16199.06659	1.185268835	3.91E-27	4.46E-26	Prkar1a
ENSMUSG00000096141.2	166.8863359	2.777356235	4.27E-27	4.87E-26	Dnah7a
ENSMUSG00000021215.15	1707.998083	-1.730617731	4.41E-27	5.03E-26	Net1
ENSMUSG00000022949.9	409.3481242	2.050777561	4.45E-27	5.07E-26	Clic6
ENSMUSG00000040536.15	137.7744677	4.762812079	4.50E-27	5.13E-26	Necab1
ENSMUSG00000036160.13	2209.358212	-1.329716639	4.54E-27	5.17E-26	Surf6
ENSMUSG00000022454.17	2341.468086	2.755116735	4.81E-27	5.47E-26	Nell2
ENSMUSG00000039683.16	314.09783	3.697543846	4.99E-27	5.68E-26	Sdk1
ENSMUSG00000029202.12	7877.481796	-1.753765068	5.29E-27	6.02E-26	Pds5a
ENSMUSG00000036208.13	1213.102587	-2.206318938	5.35E-27	6.09E-26	Nepro
ENSMUSG00000075224.8	132.3700017	3.762881022	5.38E-27	6.12E-26	Lrrc55
ENSMUSG00000028885.8	179.6365847	-3.490132844	5.39E-27	6.13E-26	Smpdl3b
ENSMUSG00000037972.7	3116.436982	1.724905527	5.54E-27	6.30E-26	Snn
ENSMUSG00000007097.14	93.24659197	3.369765841	5.95E-27	6.76E-26	Atp1a2
ENSMUSG00000020570.15	2258.433188	-1.442784241	6.14E-27	6.97E-26	Sypl
ENSMUSG000000104563.1	78.56537325	-5.170411208	6.25E-27	7.10E-26	RP24-267O6.1
ENSMUSG00000021240.6	818.6355609	-1.622322754	6.47E-27	7.35E-26	Abcd4
ENSMUSG00000023966.8	193.5914667	4.455485692	6.48E-27	7.35E-26	Rsph9
ENSMUSG00000045201.6	244.3994955	-1.861892461	6.53E-27	7.41E-26	Lrrc3b
ENSMUSG00000021217.7	634.8144975	3.169774731	6.66E-27	7.54E-26	Tshz3

ENSMUSG00000026571.12	732.5863614	2.185654645	6.77E-27	7.67E-26	Dcaf6
ENSMUSG00000026027.13	657.4361193	2.281537351	6.78E-27	7.67E-26	Stradb
ENSMUSG00000073295.4	1448.726702	1.415304229	6.79E-27	7.68E-26	Nudt11
ENSMUSG00000039579.15	91.09362363	3.988126803	7.36E-27	8.33E-26	Grin3a
ENSMUSG00000023852.14	6442.361174	-2.767882093	7.38E-27	8.35E-26	Chd1
ENSMUSG00000011752.6	23463.85352	-1.592171489	8.04E-27	9.09E-26	Pgam1
ENSMUSG00000019944.14	518.5384377	2.270275308	8.38E-27	9.47E-26	Rhobtb1
ENSMUSG00000032313.11	99.03793393	6.129066686	8.52E-27	9.63E-26	Tmem266
ENSMUSG00000023913.17	1548.310102	1.362785154	8.77E-27	9.90E-26	Pla2g7
ENSMUSG00000041372.10	99.53440346	-3.176862099	8.77E-27	9.90E-26	B4galnt3
ENSMUSG00000037419.9	774.7701493	1.969114678	9.17E-27	1.03E-25	Endod1
ENSMUSG00000054752.16	1577.784488	3.203694147	9.35E-27	1.05E-25	Fsd1l
ENSMUSG00000025856.15	378.0578081	2.862399934	9.64E-27	1.09E-25	Pdgfa
ENSMUSG00000018921.11	5776.458487	-1.207883238	9.76E-27	1.10E-25	Pelp1
ENSMUSG00000039208.15	178.4384916	2.796509284	1.03E-26	1.16E-25	Metrl1
ENSMUSG00000109304.1	77.36133039	-4.199957406	1.03E-26	1.16E-25	RP23-17C12.4
ENSMUSG00000017344.4	146.4003506	7.382532713	1.07E-26	1.20E-25	Vtn
ENSMUSG00000031790.8	1512.211923	1.914069004	1.08E-26	1.21E-25	Mmp15
ENSMUSG00000078640.9	261.8867105	-1.974560654	1.11E-26	1.25E-25	RP23-57F11.1
ENSMUSG00000051235.10	1033.572978	-1.445761813	1.13E-26	1.27E-25	Gen1
ENSMUSG0000004328.15	476.0334533	-3.250637627	1.15E-26	1.30E-25	Hif3a
ENSMUSG00000081205.4	4959.56074	-1.915598783	1.27E-26	1.43E-25	RP23-273C23.1
ENSMUSG00000056665.2	452.2055875	-1.907142648	1.30E-26	1.46E-25	Them6
ENSMUSG00000030317.8	91.55077829	-4.960312876	1.32E-26	1.48E-25	Timp4
ENSMUSG00000037022.3	267.171495	2.618365943	1.37E-26	1.54E-25	Mmaa
ENSMUSG00000022021.14	666.1212844	-1.967490587	1.38E-26	1.55E-25	Diaph3
ENSMUSG00000036225.14	530.6482788	1.912849327	1.42E-26	1.59E-25	Kctd1
ENSMUSG00000047221.5	704.8973463	-1.450540178	1.42E-26	1.59E-25	Fam185a
ENSMUSG00000055370.3	6318.80713	-1.66612869	1.42E-26	1.59E-25	Msh6
ENSMUSG00000060961.14	897.8852317	-2.711901346	1.48E-26	1.66E-25	Slc4a4
ENSMUSG00000041361.5	259.3438368	-2.940753019	1.49E-26	1.66E-25	Mertk
ENSMUSG00000020897.12	2904.093666	-1.496800921	1.50E-26	1.68E-25	Aurkb
ENSMUSG00000046798.14	2499.994765	-1.303781583	1.56E-26	1.74E-25	Cldn12
ENSMUSG00000058252.6	90.52261998	-4.139199627	1.64E-26	1.84E-25	Tcp11x2
ENSMUSG00000056091.12	1174.683104	1.413576452	1.67E-26	1.86E-25	St3gal5
ENSMUSG00000035561.5	340.7343997	-1.968679721	1.71E-26	1.91E-25	Aldh1b1
ENSMUSG00000017740.17	1167.908945	4.053186811	1.73E-26	1.93E-25	Slc12a5
ENSMUSG00000073096.11	825.8703353	1.365921775	1.73E-26	1.93E-25	Lrrc61
ENSMUSG00000044646.14	142.9458339	5.337280535	1.77E-26	1.98E-25	Zbtb7c
ENSMUSG00000106386.1	138.2452494	3.449262372	1.81E-26	2.02E-25	RP24-95O4.2
ENSMUSG00000017412.15	100.8549675	4.404115476	1.83E-26	2.03E-25	Cacnb4
ENSMUSG00000022871.13	101.3878276	-3.484414198	1.84E-26	2.05E-25	Fetub
ENSMUSG00000051736.8	306.7332625	3.604022224	1.85E-26	2.06E-25	Fam229b
ENSMUSG00000017781.17	6563.983081	1.222603845	1.87E-26	2.09E-25	Pitpna
ENSMUSG00000053747.9	76.18215637	-4.976167623	2.00E-26	2.22E-25	Sox14
ENSMUSG00000003035.12	893.0832762	2.892849136	2.04E-26	2.27E-25	Cdh4
ENSMUSG00000038619.12	4265.972077	1.134569776	2.09E-26	2.32E-25	Ensa
ENSMUSG00000021678.9	214.1903863	-3.32283943	2.11E-26	2.35E-25	F2r1
ENSMUSG00000078864.10	600.2330279	-1.62999959	2.12E-26	2.36E-25	RP23-275N21.1
ENSMUSG00000051499.7	190.4157095	2.711693358	2.15E-26	2.38E-25	Zfp786
ENSMUSG00000066113.16	150.3434011	-2.64857942	2.15E-26	2.39E-25	Adamts1
ENSMUSG00000031950.7	4101.530789	2.180964222	2.18E-26	2.42E-25	Gabrarpl2
ENSMUSG00000063646.17	349.6183096	2.378133069	2.20E-26	2.44E-25	Jakmp1
ENSMUSG00000042671.12	223.9572846	3.614527446	2.20E-26	2.44E-25	Rgs8
ENSMUSG00000020471.11	2586.901748	-1.840174348	2.44E-26	2.70E-25	Pold2
ENSMUSG00000022247.12	3755.170518	-1.513112055	2.45E-26	2.71E-25	Brix1
ENSMUSG00000019971.10	796.9942366	-1.581525552	2.45E-26	2.72E-25	Cep290
ENSMUSG00000026469.14	7499.824526	2.787910812	2.52E-26	2.79E-25	Xpr1
ENSMUSG00000056310.14	2062.099495	-1.199843524	2.71E-26	3.00E-25	Tyw1
ENSMUSG00000053141.16	358.1108256	4.99869862	2.73E-26	3.02E-25	Ptprt
ENSMUSG00000054863.9	719.7527646	1.828010221	2.76E-26	3.05E-25	Fam19a5
ENSMUSG00000110980.1	87.37278404	5.769717276	2.80E-26	3.09E-25	RP24-175C20.18
ENSMUSG00000028175.15	783.0015138	-2.055381625	2.82E-26	3.11E-25	Depdc1a
ENSMUSG00000045842.8	272.7969002	-2.883262293	2.85E-26	3.15E-25	Tgjf2-ps2
ENSMUSG00000022246.14	2210.427972	-1.80662002	3.01E-26	3.33E-25	Rai14
ENSMUSG00000027200.17	1372.564985	3.591529763	3.10E-26	3.41E-25	Sema6d
ENSMUSG00000062093.5	11773.8487	-1.288007957	3.11E-26	3.43E-25	RP23-3B20.1
ENSMUSG00000024165.8	6897.091294	-1.839544802	3.18E-26	3.50E-25	Jpt2
ENSMUSG00000043969.4	229.6998733	8.355932943	3.51E-26	3.87E-25	Emx2
ENSMUSG00000084885.7	186.0157925	2.668421456	3.74E-26	4.12E-25	RP23-147K15.3
ENSMUSG00000114642.1	3223.877573	-1.789657728	3.78E-26	4.16E-25	RP24-188N22.4
ENSMUSG00000034152.6	2012.586432	1.418135095	3.90E-26	4.29E-25	Exoc3
ENSMUSG00000026669.14	3034.535272	-1.678376916	3.99E-26	4.39E-25	Mcm10
ENSMUSG00000027115.14	979.3838363	-1.897073526	4.02E-26	4.42E-25	Kif18a
ENSMUSG00000031767.13	95.15696272	-2.987293965	4.07E-26	4.47E-25	Nudt7
ENSMUSG00000064264.14	2300.215637	2.939796192	4.09E-26	4.49E-25	Zfp428
ENSMUSG00000087408.10	149.1523888	3.402427558	4.12E-26	4.53E-25	Cers1
ENSMUSG00000045667.14	776.044694	-1.462903682	4.36E-26	4.79E-25	Smtnl2
ENSMUSG00000000538.18	2167.955518	2.33773066	4.53E-26	4.96E-25	Tom1l2
ENSMUSG00000025785.5	1634.057063	-1.315700301	4.53E-26	4.97E-25	Exosc7
ENSMUSG00000027472.14	1927.822644	2.546973036	4.53E-26	4.97E-25	Pdrg1
ENSMUSG00000026452.15	160.6363647	4.181568364	4.55E-26	4.99E-25	Syt2
ENSMUSG00000022286.16	121.9641371	-3.929842256	4.63E-26	5.07E-25	Grhl2

ENSMUSG00000037017.15	1857.643107	1.314776564	4.69E-26	5.13E-25	Zscan21
ENSMUSG00000049422.7	2758.985558	-2.749962232	4.72E-26	5.17E-25	Chchd10
ENSMUSG00000045613.9	410.6262963	3.444456893	4.88E-26	5.34E-25	Chrm2
ENSMUSG00000013698.12	3929.040476	1.138990823	4.99E-26	5.45E-25	Pea15a
ENSMUSG00000026389.16	547.5272336	-4.384336598	5.03E-26	5.50E-25	Steap3
ENSMUSG00000027712.13	574.0201144	1.984357164	5.03E-26	5.50E-25	Anxa5
ENSMUSG0000000308.14	160.2477818	2.734458898	5.21E-26	5.69E-25	Ckmt1
ENSMUSG00000036617.16	1154.226693	-3.27846819	5.23E-26	5.71E-25	Etl4
ENSMUSG00000021868.7	1686.26101	-1.365993827	5.24E-26	5.72E-25	Ppif
ENSMUSG00000096914.3	113.0445156	4.181635687	5.33E-26	5.82E-25	Galnt6
ENSMUSG00000028541.14	1636.709655	1.216921423	5.60E-26	6.10E-25	B4galt2
ENSMUSG00000074925.3	228.252924	-2.028952993	5.61E-26	6.12E-25	Ptar1
ENSMUSG0000004508.6	592.3183097	4.352489033	5.73E-26	6.24E-25	Gab2
ENSMUSG00000033594.11	84.35902658	4.614817412	5.81E-26	6.32E-25	Spata2l
ENSMUSG00000026839.17	85.81263326	5.098560728	5.96E-26	6.49E-25	Upp2
ENSMUSG00000023017.10	1649.139251	2.351593025	6.07E-26	6.61E-25	Asic1
ENSMUSG00000037697.19	1380.28456	2.163941327	6.54E-26	7.11E-25	Ddhd1
ENSMUSG00000063273.11	9452.802583	-1.411455715	6.55E-26	7.13E-25	Naa15
ENSMUSG00000107020.1	702.8280045	1.93262039	6.78E-26	7.37E-25	RP24-445F15.1
ENSMUSG00000061731.9	1874.714038	1.332602476	6.96E-26	7.56E-25	Ext1
ENSMUSG00000035365.15	659.8035583	-1.915678526	7.11E-26	7.72E-25	Parppb
ENSMUSG00000091730.1	189.5435755	-2.985597949	7.34E-26	7.97E-25	RP23-86P1.1
ENSMUSG00000081111.3	5505.97159	-2.3626669	7.36E-26	7.99E-25	AC146815.1
ENSMUSG00000038910.6	1156.144551	1.543075651	7.50E-26	8.13E-25	Plcl2
ENSMUSG00000042213.17	164.7033945	2.865083207	7.57E-26	8.21E-25	Zfand4
ENSMUSG00000082382.1	1790.102639	-2.221878885	7.66E-26	8.31E-25	RP23-59F2.1
ENSMUSG00000059689.15	1047.299936	2.085079049	7.80E-26	8.46E-25	Zfp637
ENSMUSG00000039159.16	3277.994829	1.960986754	7.95E-26	8.61E-25	Ube2h
ENSMUSG00000029034.9	3656.523044	-1.280684614	8.31E-26	9.00E-25	Ints11
ENSMUSG00000079104.4	2814.994337	-2.418575071	8.49E-26	9.19E-25	Prps1l3
ENSMUSG00000029167.13	293.6958705	9.126808735	8.59E-26	9.30E-25	Ppargc1a
ENSMUSG00000062760.10	480.1302412	3.294392416	8.62E-26	9.32E-25	RP23-95H5.1
ENSMUSG00000033186.9	1247.63811	1.304585351	8.82E-26	9.53E-25	Mzt1
ENSMUSG00000043602.5	285.1728004	2.148479193	9.03E-26	9.75E-25	Zfp3
ENSMUSG00000073888.13	235.8131202	1.999686287	9.06E-26	9.79E-25	Ccl27a
ENSMUSG00000028602.12	78.79130553	-3.755615292	9.51E-26	1.03E-24	Tnfrsf8
ENSMUSG00000032194.9	1052.491082	-2.201772318	9.59E-26	1.04E-24	Kank2
ENSMUSG00000068036.14	7915.196534	-1.434395811	9.88E-26	1.07E-24	Mllt4
ENSMUSG00000062081.6	962.8745591	1.391525192	1.00E-25	1.08E-24	RP23-460118.1
ENSMUSG00000041132.11	154.2313107	2.887608118	1.04E-25	1.12E-24	N4bp2l1
ENSMUSG00000020496.9	16333.34202	1.33022007	1.04E-25	1.13E-24	Rnf187
ENSMUSG00000020246.13	622.5678627	2.218958132	1.05E-25	1.13E-24	Hcfc2
ENSMUSG00000032776.9	85.20339161	-3.648379404	1.08E-25	1.16E-24	Mctp2
ENSMUSG00000085741.8	292.0013372	2.279441479	1.12E-25	1.20E-24	RP24-482A24.11
ENSMUSG00000031527.7	2571.901718	-1.63622641	1.12E-25	1.20E-24	Eri1
ENSMUSG00000032232.14	2266.06224	-3.411887951	1.19E-25	1.28E-24	Cgnl1
ENSMUSG00000015961.8	5370.833521	-1.353526776	1.28E-25	1.38E-24	Adss
ENSMUSG00000032783.9	840.1465845	-2.203131828	1.31E-25	1.41E-24	Troap
ENSMUSG00000045348.16	1423.340892	2.83363134	1.33E-25	1.43E-24	Nyap1
ENSMUSG00000002741.9	7929.343409	1.15678537	1.34E-25	1.44E-24	Ykt6
ENSMUSG00000025920.19	1659.465928	1.584799392	1.37E-25	1.47E-24	Stau2
ENSMUSG00000039168.15	494.0680513	1.616177165	1.38E-25	1.48E-24	Dap
ENSMUSG00000030922.12	154.6267429	2.862340005	1.41E-25	1.51E-24	Lymr1
ENSMUSG00000039661.14	165.1823168	3.03452577	1.43E-25	1.54E-24	Dusp26
ENSMUSG00000031403.14	7220.654543	-2.19910016	1.52E-25	1.63E-24	Dkc1
ENSMUSG00000109222.1	768.2558571	1.914614076	1.55E-25	1.66E-24	RP24-75N6.3
ENSMUSG00000061576.15	721.7933465	2.437891309	1.56E-25	1.67E-24	Dpp6
ENSMUSG00000043872.14	1777.026294	-1.789631565	1.57E-25	1.68E-24	Zmym1
ENSMUSG00000048142.9	899.3436632	1.888402387	1.62E-25	1.74E-24	Nat8l
ENSMUSG00000044072.14	122.8830675	3.648617073	1.65E-25	1.76E-24	Emi6
ENSMUSG00000020357.3	496.6325485	-3.681203971	1.65E-25	1.77E-24	Flt4
ENSMUSG00000097040.6	73.2748804	4.751118369	1.69E-25	1.81E-24	RP23-388A19.6
ENSMUSG00000042208.15	3523.935048	1.81869168	1.80E-25	1.92E-24	RP23-188K3.6
ENSMUSG00000026587.15	2891.03735	3.045726337	1.80E-25	1.92E-24	Astn1
ENSMUSG00000041247.8	317.8847093	-2.222419204	1.83E-25	1.95E-24	Lamp3
ENSMUSG00000037363.9	212.4530851	2.154026846	1.84E-25	1.96E-24	Letm2
ENSMUSG00000086822.2	89.03958355	5.266857906	1.86E-25	1.99E-24	RP23-401J24.3
ENSMUSG00000049321.17	1378.549996	1.319473977	1.86E-25	1.99E-24	Zfp2
ENSMUSG00000001552.14	2252.201489	2.24	1.88E-25	2.00E-24	Jup
ENSMUSG00000037321.17	108.6839902	3.209045461	1.88E-25	2.00E-24	Tap1
ENSMUSG00000020105.9	1888.363795	-2.423927879	1.88E-25	2.00E-24	Lrig3
ENSMUSG00000041540.16	200.4507491	2.959799828	1.90E-25	2.02E-24	Sox5
ENSMUSG00000026094.14	677.20795	-1.450994981	1.96E-25	2.09E-24	Stk17b
ENSMUSG00000020652.17	700.0570617	-1.488474062	1.98E-25	2.10E-24	Cenpo
ENSMUSG00000028345.15	3503.836921	-1.976661681	2.04E-25	2.16E-24	Tex10
ENSMUSG00000050199.13	3997.287346	-1.778516273	2.06E-25	2.19E-24	Lgr4
ENSMUSG00000023015.14	3704.25038	-1.23283283	2.15E-25	2.28E-24	Racgap1
ENSMUSG00000028096.13	1686.063777	-1.287824808	2.17E-25	2.31E-24	Gpr89
ENSMUSG00000028229.11	294.9359884	2.160720556	2.28E-25	2.42E-24	Rmdn1
ENSMUSG00000087269.1	126.2978576	3.689665148	2.33E-25	2.47E-24	RP23-32C16.1
ENSMUSG00000025020.11	645.1788727	4.26969494	2.36E-25	2.50E-24	Slit1
ENSMUSG00000040848.11	1077.238288	-1.816949239	2.36E-25	2.50E-24	Sft2d2
ENSMUSG00000036218.16	84.25097223	5.565700052	2.39E-25	2.53E-24	Pdzrn4

ENSMUSG00000024220.13	927.5172855	2.020804841	2.39E-25	2.54E-24	Zfp523
ENSMUSG00000032641.18	1153.410323	1.280435477	2.41E-25	2.55E-24	Gpr19
ENSMUSG00000025468.15	1189.139354	12.62869586	2.42E-25	2.56E-24	Caly
ENSMUSG00000027962.14	87.82213133	5.780166921	2.44E-25	2.58E-24	Vcam1
ENSMUSG00000068394.4	874.5427232	-2.696360524	2.49E-25	2.64E-24	Cep152
ENSMUSG00000040584.8	104.3108292	-3.330290421	2.57E-25	2.72E-24	Abcb1a
ENSMUSG00000020546.14	1007.106477	-2.375504647	2.58E-25	2.73E-24	Stxbp4
ENSMUSG00000052656.12	1155.266414	1.856095304	2.64E-25	2.79E-24	Rnf103
ENSMUSG00000032267.8	3266.685641	-2.3712845	2.65E-25	2.80E-24	Usp28
ENSMUSG00000093460.9	76.05145887	4.456005768	2.69E-25	2.84E-24	Six3os1
ENSMUSG00000025813.14	1257.134859	1.41859478	2.75E-25	2.90E-24	Homer2
ENSMUSG00000043668.13	967.5791022	1.477868939	2.83E-25	2.99E-24	Tox3
ENSMUSG00000029001.15	1217.635944	2.286121626	2.85E-25	3.00E-24	Fbxo44
ENSMUSG00000020583.4	135.53337	-2.866514587	2.85E-25	3.01E-24	Matn3
ENSMUSG00000029428.13	341.734906	2.592215197	3.22E-25	3.39E-24	Stx2
ENSMUSG00000044037.15	155.7904146	-2.8733401	3.64E-25	3.84E-24	Als2cl
ENSMUSG00000044912.10	165.9921217	7.891287446	3.79E-25	3.99E-24	Syt16
ENSMUSG0000003363.15	1739.912325	1.347203212	4.02E-25	4.23E-24	Pld3
ENSMUSG00000084277.1	181.3501773	2.553252247	4.03E-25	4.24E-24	RP23-2814.2
ENSMUSG00000029524.16	195.5295334	2.494114578	4.10E-25	4.32E-24	Sirt4
ENSMUSG00000056962.11	3615.326874	-1.479637385	4.24E-25	4.46E-24	Jmjd6
ENSMUSG00000023044.2	314.0972054	1.831069077	4.37E-25	4.59E-24	Csad
ENSMUSG00000056445.8	580.4528287	10.7000201	4.40E-25	4.63E-24	Hoxaas2
ENSMUSG00000026959.13	203.6609632	2.970140524	4.69E-25	4.92E-24	Grin1
ENSMUSG00000037735.7	79.79293704	4.059948876	4.76E-25	4.99E-24	RP24-280B23.1
ENSMUSG00000067106.6	1860.057723	-1.570587206	4.77E-25	5.00E-24	RP24-302A24.2
ENSMUSG00000066538.5	2997.875795	-1.976000981	4.87E-25	5.11E-24	RP23-18J12.3
ENSMUSG00000082840.1	156.9140153	-2.991478378	4.98E-25	5.22E-24	RP24-456114.1
ENSMUSG00000028559.17	1888.579244	1.281459827	5.24E-25	5.49E-24	Osbp19
ENSMUSG00000039055.4	1454.181257	-1.269968224	5.24E-25	5.49E-24	Eme1
ENSMUSG00000013736.16	5056.592865	-1.157230739	5.26E-25	5.51E-24	Trmt1
ENSMUSG00000090673.1	376.8764048	-3.171452696	5.40E-25	5.66E-24	Gm340
ENSMUSG00000031791.8	743.2724276	1.583435843	5.46E-25	5.72E-24	Tmem38a
ENSMUSG00000090505.2	94.10972765	3.538651712	5.54E-25	5.79E-24	RP23-473B17.5
ENSMUSG00000006544.2	18150.17608	-1.110548923	5.69E-25	5.95E-24	RP23-412L13.1
ENSMUSG00000027014.14	2019.424541	-1.334557604	5.79E-25	6.05E-24	Cwc22
ENSMUSG00000039929.14	2333.576154	-2.768755533	5.82E-25	6.09E-24	Urb1
ENSMUSG00000050912.15	2878.720041	-1.976219278	5.91E-25	6.18E-24	Tmem123
ENSMUSG00000047945.6	18886.95906	1.563344107	6.06E-25	6.32E-24	Marcks1
ENSMUSG00000060301.6	1576.6762	1.725657193	6.16E-25	6.43E-24	RP24-372E2.1
ENSMUSG00000024816.12	1400.492292	-1.592812876	6.24E-25	6.51E-24	Frmf8
ENSMUSG00000073775.4	797.7757204	-1.663163767	6.24E-25	6.51E-24	Kti12
ENSMUSG00000032452.12	282.2062536	3.943856864	6.41E-25	6.68E-24	Clstn2
ENSMUSG00000047143.3	699.0342628	1.904718647	6.51E-25	6.78E-24	Dmrt2
ENSMUSG0000003992.15	962.4129628	1.578469007	6.58E-25	6.86E-24	Ssbp2
ENSMUSG00000027217.13	527.8045413	3.466747968	6.67E-25	6.95E-24	Tspan18
ENSMUSG00000030774.13	3660.146423	1.425698605	6.72E-25	6.99E-24	Pak1
ENSMUSG00000022061.8	95.68526938	-3.771997877	7.34E-25	7.64E-24	Nkx3-1
ENSMUSG00000011589.8	1286.622013	1.348239717	7.44E-25	7.74E-24	Fsd1
ENSMUSG00000028664.14	3469.333815	2.824777503	7.49E-25	7.78E-24	Ephb2
ENSMUSG00000060594.6	109.2615956	-3.412753967	7.49E-25	7.78E-24	Layn
ENSMUSG00000031513.8	2379.967941	1.246319612	7.93E-25	8.24E-24	Leprot1
ENSMUSG00000081783.2	8250.836624	1.394034882	8.06E-25	8.37E-24	RP24-465A20.1
ENSMUSG00000040412.16	151.4950079	4.970992668	8.17E-25	8.48E-24	RP23-37G19.2
ENSMUSG00000020641.16	82.27111218	4.493997874	8.60E-25	8.93E-24	Rsad2
ENSMUSG00000043456.16	440.9234842	3.256099725	8.84E-25	9.17E-24	Zfp536
ENSMUSG000000109321.1	326.9505311	3.710927038	8.85E-25	9.18E-24	RP23-54G8.1
ENSMUSG00000041482.16	270.8239686	-2.658557851	8.90E-25	9.23E-24	Piezo2
ENSMUSG00000039477.16	1781.44707	3.481715752	9.01E-25	9.33E-24	Tnrc18
ENSMUSG00000064247.14	214.7486217	-2.437656034	9.03E-25	9.36E-24	Plcx1
ENSMUSG00000022407.10	3785.568824	-1.173015611	9.13E-25	9.45E-24	Adsl
ENSMUSG00000082925.1	3519.682723	-1.528374251	9.37E-25	9.70E-24	RP23-360J20.7
ENSMUSG00000033717.5	185.5048517	2.525095456	9.43E-25	9.75E-24	Adra2a
ENSMUSG00000074867.4	881.6097307	-2.494664371	9.74E-25	1.01E-23	Zfp808
ENSMUSG00000036578.7	116.4262415	6.780501591	1.01E-24	1.05E-23	Fxyd7
ENSMUSG00000030347.6	1034.440318	1.441911292	1.01E-24	1.05E-23	RP23-222G22.7
ENSMUSG00000029778.12	550.6207549	2.624592308	1.02E-24	1.05E-23	Adcyap1r1
ENSMUSG00000030722.7	1046.070677	-1.584577445	1.06E-24	1.09E-23	Nfatc2ip
ENSMUSG00000010554.14	4074.114269	-1.55657366	1.07E-24	1.10E-23	Mettl16
ENSMUSG00000031146.6	1843.060942	-1.956505552	1.07E-24	1.11E-23	Plp2
ENSMUSG00000038765.13	495.2871631	3.839874797	1.10E-24	1.14E-23	Lmx1b
ENSMUSG00000041238.15	1459.852507	-1.442288841	1.10E-24	1.14E-23	Rbbp8
ENSMUSG00000027560.4	417.7466287	1.985709377	1.11E-24	1.15E-23	Dok5
ENSMUSG00000032388.7	1806.553202	1.48112195	1.12E-24	1.15E-23	Spg21
ENSMUSG00000029621.14	4826.815931	1.775622059	1.13E-24	1.16E-23	Arpc1a
ENSMUSG00000033166.11	2266.048371	-2.398691456	1.13E-24	1.16E-23	Dis3
ENSMUSG00000040990.17	2233.354612	2.429020982	1.13E-24	1.17E-23	Sh3kbp1
ENSMUSG00000041605.16	562.3548061	-1.753746283	1.14E-24	1.17E-23	AC124550.3
ENSMUSG00000060924.15	139.7966328	6.630813813	1.23E-24	1.26E-23	Csmf1
ENSMUSG00000089640.1	1754.172629	-1.80327001	1.24E-24	1.28E-23	AL592433.1
ENSMUSG00000024524.16	1209.87353	3.522748405	1.25E-24	1.28E-23	Gnal
ENSMUSG00000026019.15	2704.15266	-1.533607156	1.26E-24	1.30E-23	Wdr12
ENSMUSG00000097156.7	93.86359033	6.047563619	1.27E-24	1.30E-23	RP23-168E14.7

ENSMUSG00000027287.14	1408.787995	-2.058146823	1.30E-24	1.33E-23	Snap23
ENSMUSG00000092536.2	74.02749522	4.982889901	1.37E-24	1.40E-23	RP23-118G3.2
ENSMUSG00000062202.13	1842.536139	1.297743387	1.39E-24	1.42E-23	Btd9
ENSMUSG00000080242.5	6404.380662	1.059452138	1.40E-24	1.44E-23	RP23-459F14.1
ENSMUSG00000015748.13	2219.88376	-1.449114744	1.45E-24	1.49E-23	Prp3
ENSMUSG00000036046.14	4744.732939	2.025923932	1.51E-24	1.55E-23	RP23-180L12.1
ENSMUSG00000071855.4	1129.871846	1.270642913	1.56E-24	1.60E-23	Ccdc112
ENSMUSG00000049946.7	108.0524599	2.648805581	1.56E-24	1.60E-23	AC116475.2
ENSMUSG00000036822.6	3209.521077	-1.362293209	1.59E-24	1.63E-23	Topors
ENSMUSG00000034709.8	1293.97722	1.245689586	1.63E-24	1.67E-23	Ppp1r21
ENSMUSG00000033676.13	2904.253853	2.060262466	1.69E-24	1.73E-23	Gabrb3
ENSMUSG00000061451.13	110.5791392	3.176107201	1.71E-24	1.75E-23	Tmem151a
ENSMUSG00000026662.13	3756.775067	-1.239318344	1.86E-24	1.90E-23	Sephs1
ENSMUSG00000026970.16	1693.01284	1.422013704	1.88E-24	1.93E-23	Rbms1
ENSMUSG00000032527.13	1203.84139	1.546872694	1.99E-24	2.04E-23	Pccb
ENSMUSG00000024736.14	8579.96529	1.513235128	2.01E-24	2.05E-23	Tmem1325a
ENSMUSG00000028799.15	1049.300712	2.45723897	2.05E-24	2.09E-23	Zfp362
ENSMUSG00000040390.13	1924.535678	1.916453691	2.14E-24	2.18E-23	Map3k10
ENSMUSG00000035770.8	3593.506286	1.803524221	2.14E-24	2.18E-23	Dync1li2
ENSMUSG00000031865.16	5133.285592	2.057008098	2.16E-24	2.20E-23	Dctn1
ENSMUSG00000015478.13	1609.082904	1.352110561	2.21E-24	2.25E-23	Rnf5
ENSMUSG00000041949.6	591.0701887	-1.606085646	2.21E-24	2.25E-23	Tango6
ENSMUSG00000001767.5	2254.745187	-1.119020739	2.29E-24	2.33E-23	Crnk1
ENSMUSG00000087373.7	87.49439231	3.864353424	2.30E-24	2.34E-23	RP23-199A2.7
ENSMUSG00000022752.9	13157.70222	-1.269290791	2.35E-24	2.39E-23	Tomm70a
ENSMUSG00000041506.15	2404.860707	-1.702211563	2.42E-24	2.46E-23	Rrp9
ENSMUSG00000022540.16	1283.73681	2.089717256	2.44E-24	2.48E-23	Rogdi
ENSMUSG00000059991.7	522.3747165	-1.487647836	2.45E-24	2.49E-23	Nptx2
ENSMUSG00000037907.16	2508.972506	2.046171382	2.48E-24	2.52E-23	Ankrd13b
ENSMUSG00000031703.8	3883.949719	1.869057611	2.54E-24	2.58E-23	ltfg1
ENSMUSG00000064307.13	242.9994216	3.082371842	2.58E-24	2.62E-23	Lrrc51
ENSMUSG00000000346.9	2230.286794	1.164516628	2.60E-24	2.64E-23	Dazap2
ENSMUSG00000044641.7	775.5363327	-1.752991765	2.71E-24	2.75E-23	Pard6b
ENSMUSG00000039842.15	1253.960662	-1.626313949	2.72E-24	2.76E-23	Mcp1
ENSMUSG00000015843.10	132.5400171	-2.415981637	2.80E-24	2.83E-23	Rxrg
ENSMUSG00000038042.10	521.0909872	2.653828402	2.80E-24	2.84E-23	Ptpdc1
ENSMUSG00000028488.15	648.4515381	2.017071401	2.82E-24	2.85E-23	Sh3gl2
ENSMUSG00000055407.14	3701.834761	3.267418146	2.82E-24	2.86E-23	Map6
ENSMUSG00000041408.18	5569.153389	-1.816258604	2.85E-24	2.88E-23	Wapl
ENSMUSG00000053333.15	914.7179702	1.363469173	2.89E-24	2.93E-23	Dis3l2
ENSMUSG00000043432.7	98.02818932	3.561126945	2.90E-24	2.93E-23	Leng9
ENSMUSG00000024758.14	22854.81997	1.355389305	2.91E-24	2.94E-23	Rtn3
ENSMUSG00000033486.14	168.6023648	2.536789043	2.93E-24	2.96E-23	Catsper2
ENSMUSG00000040430.18	1309.002519	1.94052608	2.93E-24	2.96E-23	Pitpnc1
ENSMUSG00000029703.10	1742.362092	-1.256890632	3.01E-24	3.04E-23	Lrwd1
ENSMUSG00000033960.5	1054.384298	-3.260055328	3.10E-24	3.13E-23	Jcad
ENSMUSG00000059456.13	139.0037062	-2.60774563	3.10E-24	3.13E-23	Ptk2b
ENSMUSG00000059246.4	83.64945559	4.239796926	3.13E-24	3.16E-23	Foxb1
ENSMUSG0000001089.14	5071.803573	-1.776415529	3.19E-24	3.22E-23	Luzp1
ENSMUSG00000074461.2	161.2687237	2.587326219	3.22E-24	3.25E-23	RP24-497H18.4
ENSMUSG00000020661.15	11583.90694	-2.581866415	3.24E-24	3.27E-23	Dnmt3a
ENSMUSG00000023911.12	871.9650874	3.480647874	3.47E-24	3.50E-23	Flywch2
ENSMUSG00000021054.6	630.7743945	1.545163199	3.60E-24	3.63E-23	Sgpp1
ENSMUSG00000034850.15	2390.164697	1.797380681	3.60E-24	3.63E-23	Tmem127
ENSMUSG00000051817.8	2955.579407	1.387761592	3.62E-24	3.64E-23	Sox12
ENSMUSG00000026280.17	2421.346852	1.221959203	3.70E-24	3.72E-23	Atg4b
ENSMUSG00000003541.6	227.5309531	-2.539847225	3.79E-24	3.81E-23	Ier3
ENSMUSG00000106775.1	123.315909	3.46242557	3.90E-24	3.92E-23	RP23-124H2.4
ENSMUSG00000092225.1	327.0255751	-3.837459852	3.95E-24	3.97E-23	RP24-368P9.1
ENSMUSG00000020775.13	2372.95552	-1.271279027	4.04E-24	4.06E-23	Mrpl38
ENSMUSG00000030532.6	649.2362058	3.346385221	4.12E-24	4.13E-23	Hddc3
ENSMUSG00000025209.4	2002.335214	-1.462370055	4.33E-24	4.34E-23	Twnk
ENSMUSG00000090223.1	159.2992758	7.015345443	4.35E-24	4.36E-23	Pcp4
ENSMUSG000000041353.12	2271.620145	1.593854125	4.42E-24	4.43E-23	Tmem29
ENSMUSG00000016921.14	16030.44615	-1.063360669	4.56E-24	4.57E-23	Srsf6
ENSMUSG00000040321.3	1785.454652	-1.777431599	4.69E-24	4.70E-23	Zfp770
ENSMUSG00000025092.6	1738.494541	3.367900984	4.72E-24	4.72E-23	Hspa12a
ENSMUSG00000029326.13	1739.118302	-1.337588427	4.74E-24	4.74E-23	Enoph1
ENSMUSG00000034472.13	159.2957312	-2.371083235	4.75E-24	4.75E-23	Rasd2
ENSMUSG00000020175.14	376.8310638	3.032468688	4.89E-24	4.89E-23	Rab36
ENSMUSG00000078521.2	858.4201857	-2.062569356	4.91E-24	4.91E-23	Aunip
ENSMUSG00000001672.14	72.58015536	-3.763457286	4.92E-24	4.92E-23	Marveld3
ENSMUSG00000073877.10	250.9875041	2.198348392	4.95E-24	4.94E-23	RP23-388P16.4
ENSMUSG00000046058.7	880.8083642	2.448936708	5.29E-24	5.28E-23	Eid2
ENSMUSG00000050334.12	129.3195732	3.21940345	5.29E-24	5.29E-23	RP23-88A13.2
ENSMUSG00000096107.2	66.82386024	-4.105587503	5.30E-24	5.29E-23	RP23-476A7.4
ENSMUSG00000031129.9	124.1489373	7.144462129	5.44E-24	5.43E-23	Slc9a9
ENSMUSG00000047534.17	1831.806445	-1.704773074	5.55E-24	5.54E-23	Mis18bp1
ENSMUSG000000026878.17	6122.568599	1.107944314	5.63E-24	5.61E-23	Rab14
ENSMUSG00000045394.8	3423.687158	-2.064637183	5.73E-24	5.71E-23	Epcam
ENSMUSG00000020649.11	7545.686347	-1.145228596	5.76E-24	5.74E-23	Rrm2
ENSMUSG000000022673.5	6576.640355	-1.559485435	5.80E-24	5.78E-23	Mcm4
ENSMUSG00000066438.6	779.8016019	2.462111255	5.84E-24	5.81E-23	Plekhd1

ENSMUSG00000005718.8	531.9657055	-1.496147221	6.27E-24	6.24E-23	Tfap4
ENSMUSG00000049097.9	172.6994647	-4.290064533	6.34E-24	6.31E-23	Ankrd34a
ENSMUSG00000014776.7	195.5207474	2.829644058	6.52E-24	6.48E-23	Nol3
ENSMUSG00000051695.6	9475.472795	-1.087524023	6.64E-24	6.60E-23	Pcbp1
ENSMUSG00000040265.16	616.2636889	10.78920508	6.72E-24	6.67E-23	Dnm3
ENSMUSG00000085054.2	81.98809552	3.767672889	6.79E-24	6.75E-23	AC118698.3
ENSMUSG00000033423.16	2113.089447	1.847914537	6.96E-24	6.91E-23	Eri3
ENSMUSG00000041417.15	2117.382852	2.597496173	7.02E-24	6.97E-23	Pik3r1
ENSMUSG00000037373.12	7766.864538	1.398750676	7.17E-24	7.11E-23	Ctbp1
ENSMUSG00000048485.12	289.0916261	1.932115604	7.62E-24	7.55E-23	Zbtb8b
ENSMUSG00000006386.15	176.4002594	-3.9382115	7.95E-24	7.88E-23	Tek
ENSMUSG00000085711.4	1405.418864	-2.900472019	8.04E-24	7.97E-23	RP23-404118.1
ENSMUSG00000022538.20	3145.379937	-1.226574875	8.15E-24	8.08E-23	Lsg1
ENSMUSG00000028786.15	79.64486419	-4.10011849	8.40E-24	8.33E-23	Tmem54
ENSMUSG00000074221.12	4069.523342	-2.775339744	8.72E-24	8.64E-23	Zfp568
ENSMUSG00000074736.10	235.2964443	2.023864806	8.80E-24	8.71E-23	Syndig1
ENSMUSG00000116564.1	2736.124735	-1.14564354	9.08E-24	8.98E-23	Riok2
ENSMUSG00000057551.10	3305.13357	-1.469433084	9.24E-24	9.14E-23	Zfp317
ENSMUSG00000094935.2	218.0068071	2.070075334	9.54E-24	9.43E-23	RP24-8114.2
ENSMUSG00000073678.4	10939.15646	-2.637928221	9.84E-24	9.73E-23	Pgap1
ENSMUSG00000025512.15	1354.618434	1.872915336	1.02E-23	1.01E-22	Chid1
ENSMUSG00000024081.8	5534.457542	-1.337163936	1.05E-23	1.04E-22	Cebpz
ENSMUSG00000021552.7	920.7597366	2.042818028	1.10E-23	1.08E-22	Gkap1
ENSMUSG00000033088.19	1371.546459	-2.127455275	1.11E-23	1.10E-22	Triobp
ENSMUSG00000048834.16	542.4649996	2.288747813	1.12E-23	1.11E-22	Vstm2a
ENSMUSG00000098051.1	73.08649438	5.212544749	1.12E-23	1.11E-22	RP23-359C15.10
ENSMUSG00000108738.1	211.9410493	-2.225407311	1.23E-23	1.22E-22	RP23-335G1.1
ENSMUSG00000023367.14	296.9678439	2.116680204	1.25E-23	1.23E-22	Tmem176a
ENSMUSG00000074166.7	346.5926073	-1.786237027	1.27E-23	1.25E-22	AC109227.1
ENSMUSG00000051403.9	1656.630557	1.308888605	1.28E-23	1.26E-22	Ppp1r37
ENSMUSG00000052854.15	1476.527756	-4.233463498	1.33E-23	1.31E-22	Nrk
ENSMUSG00000031715.14	7380.810423	-1.303657308	1.35E-23	1.33E-22	Smarca5
ENSMUSG00000045333.15	1308.507366	2.304493233	1.36E-23	1.33E-22	Zfp423
ENSMUSG00000024791.10	1663.071774	-1.57058506	1.36E-23	1.34E-22	Cdca5
ENSMUSG00000022421.19	2086.678272	2.32859809	1.40E-23	1.37E-22	Nptxr
ENSMUSG00000006235.6	124.2738052	-2.562170292	1.44E-23	1.42E-22	Epor
ENSMUSG00000074272.10	59.97649134	-4.973530427	1.47E-23	1.44E-22	Ceacam1
ENSMUSG00000021965.3	932.6200553	-1.311160435	1.51E-23	1.49E-22	Ska3
ENSMUSG00000021720.11	164.7176174	2.619016506	1.54E-23	1.51E-22	Rnf180
ENSMUSG00000028577.13	5949.522159	-1.192748443	1.55E-23	1.52E-22	Plaa
ENSMUSG00000033949.11	904.3459002	2.767208826	1.59E-23	1.56E-22	Trim36
ENSMUSG00000039047.17	2167.545749	1.257430628	1.63E-23	1.60E-22	Pigk
ENSMUSG00000029603.15	1133.379882	1.565369732	1.64E-23	1.61E-22	Dtx1
ENSMUSG00000026797.16	3996.219013	2.959968495	1.65E-23	1.62E-22	Stxbp1
ENSMUSG00000013367.5	1106.80979	1.863555156	1.66E-23	1.63E-22	Igln5
ENSMUSG00000005481.18	5208.539964	-1.785738278	1.67E-23	1.63E-22	Ddx39
ENSMUSG00000007458.14	8497.452145	-1.233116074	1.72E-23	1.68E-22	M6pr
ENSMUSG00000067377.12	2419.919357	1.655823029	1.76E-23	1.72E-22	Tspan6
ENSMUSG00000046186.8	343.4350836	-2.820701736	1.77E-23	1.73E-22	Cd109
ENSMUSG00000109147.1	77.66927668	4.332416099	1.80E-23	1.76E-22	RP24-346B15.3
ENSMUSG00000028370.7	305.3314365	4.637842454	1.83E-23	1.79E-22	Pappa
ENSMUSG00000083027.1	1879.462432	-1.47387715	1.86E-23	1.82E-22	RP24-93B5.1
ENSMUSG00000033917.15	3200.611589	1.549893713	1.93E-23	1.88E-22	Gde1
ENSMUSG00000037364.12	7186.599693	-1.371143106	1.92E-23	1.88E-22	Srrt
ENSMUSG00000002384.2	70.72357729	-5.830554587	1.95E-23	1.90E-22	Bmp8b
ENSMUSG00000024513.16	573.0262946	1.350317312	1.96E-23	1.91E-22	Mbd2
ENSMUSG00000047187.9	8653.796952	1.424285793	1.99E-23	1.94E-22	Rab2a
ENSMUSG00000046080.17	66.6864484	-5.148576066	2.02E-23	1.97E-22	Clec9a
ENSMUSG00000038208.13	498.4040147	1.564365361	2.08E-23	2.02E-22	Pgap3
ENSMUSG00000040688.16	3107.543041	-1.374413559	2.09E-23	2.04E-22	Tbl3
ENSMUSG00000019960.8	2168.895073	-1.309924046	2.16E-23	2.11E-22	Dusp6
ENSMUSG00000020523.14	3227.84409	1.266133436	2.19E-23	2.13E-22	Fam114a2
ENSMUSG00000051373.5	97.44986268	3.025931483	2.20E-23	2.14E-22	Pllp7
ENSMUSG00000001440.5	45076.45973	-2.20429341	2.22E-23	2.16E-22	Kpnb1
ENSMUSG00000060548.13	2663.432917	1.503805588	2.25E-23	2.19E-22	Tnfrsf19
ENSMUSG00000078970.5	1358.739129	-1.370276156	2.27E-23	2.20E-22	Wdr92
ENSMUSG00000048617.16	78.01515781	4.959772991	2.29E-23	2.23E-22	Rtbdn
ENSMUSG00000027303.18	3375.265292	1.620301443	2.51E-23	2.44E-22	Ptpra
ENSMUSG00000083101.1	2995.563129	-1.149620087	2.52E-23	2.45E-22	RP23-454A14.9
ENSMUSG00000096221.3	98.18479385	3.140572277	2.52E-23	2.45E-22	RP23-242K15.24
ENSMUSG00000062376.7	448.8768242	2.89287451	2.63E-23	2.56E-22	Borcs7
ENSMUSG00000036678.8	1288.771833	-1.299220666	2.70E-23	2.62E-22	Aaas
ENSMUSG00000034382.14	68.11262405	-3.6429006	2.78E-23	2.69E-22	RP23-345D6.8-1
ENSMUSG00000086629.8	655.4392456	1.51020114	2.79E-23	2.70E-22	RP23-145N17.1
ENSMUSG00000056486.18	2017.144747	1.710850158	2.82E-23	2.74E-22	Chn1
ENSMUSG00000025369.15	4013.49637	2.48132336	2.84E-23	2.75E-22	Smarca2
ENSMUSG00000022217.14	191.5496316	2.95237979	2.97E-23	2.88E-22	Emc9
ENSMUSG00000020238.14	3170.61244	-1.251594036	3.02E-23	2.92E-22	Ncln
ENSMUSG00000029106.14	5392.079214	1.912966371	3.03E-23	2.93E-22	Add1
ENSMUSG00000030056.8	950.5590792	-1.471576642	3.06E-23	2.96E-22	Isy1
ENSMUSG00000044026.2	1304.133635	-2.927577696	3.11E-23	3.01E-22	Slc35g1
ENSMUSG00000108900.1	272.9865972	-2.938990172	3.15E-23	3.04E-22	RP23-457J22.1
ENSMUSG0000002006.12	10562.04478	-1.178492168	3.22E-23	3.11E-22	Pdzd4

ENSMUSG00000032064.17	640.7914313	3.169166825	3.22E-23	3.11E-22	Dixdc1
ENSMUSG00000067889.4	3647.785009	2.991446697	3.25E-23	3.14E-22	Sptbn2
ENSMUSG00000052374.16	216.2511269	-2.211734648	3.42E-23	3.31E-22	Actn2
ENSMUSG00000036561.8	1350.973001	2.257307827	3.43E-23	3.31E-22	Ppp6r2
ENSMUSG00000055945.8	191.7767543	2.645122138	3.46E-23	3.34E-22	Prr18
ENSMUSG00000007908.14	180.8961297	2.606001215	3.52E-23	3.39E-22	Hmgcl1
ENSMUSG00000071265.10	87.03662344	6.362973301	3.56E-23	3.43E-22	RP23-182N12.1
ENSMUSG00000003378.9	2826.612628	1.450241977	3.62E-23	3.49E-22	Grik5
ENSMUSG000000027175.10	432.1363838	1.659210785	3.63E-23	3.49E-22	Tcp1111
ENSMUSG00000087501.1	109.3001142	4.933940583	3.65E-23	3.51E-22	RP23-323L8.5
ENSMUSG000000041598.7	1633.260391	1.786355419	3.68E-23	3.54E-22	Cdc42ep4
ENSMUSG000000041037.8	1157.286635	2.467993646	3.80E-23	3.66E-22	Irgq
ENSMUSG00000052373.14	1435.211662	1.342824132	3.81E-23	3.67E-22	Mpp3
ENSMUSG00000112441.1	117.9907567	3.782157698	3.83E-23	3.68E-22	RP23-135A22.4
ENSMUSG000000022704.15	1692.691384	-1.489407914	3.84E-23	3.69E-22	Qtrtd1
ENSMUSG000000091296.2	77.20633355	5.284371127	4.08E-23	3.92E-22	RP23-141L18.7
ENSMUSG00000030752.8	419.6953192	-2.402719264	4.12E-23	3.96E-22	Kdm8
ENSMUSG00000052928.8	974.6160312	2.913662904	4.22E-23	4.06E-22	Ctif
ENSMUSG00000032116.18	7928.197911	-1.524765577	4.28E-23	4.11E-22	Stt3a
ENSMUSG000000056073.16	690.0431422	2.646767252	4.36E-23	4.19E-22	Grik2
ENSMUSG00000033031.13	3362.701406	-1.662224469	4.54E-23	4.35E-22	RP23-185B14.1
ENSMUSG00000001774.8	4496.219901	-1.303617361	4.60E-23	4.41E-22	Chordc1
ENSMUSG000000031516.11	1543.989651	1.501853646	4.73E-23	4.53E-22	Dctn6
ENSMUSG00000024404.6	5111.04635	1.048955182	4.91E-23	4.70E-22	Riok3
ENSMUSG000000086174.1	358.6741341	-1.892541842	5.07E-23	4.86E-22	AC125136.1
ENSMUSG000000044349.15	406.6423173	-2.57658023	5.57E-23	5.33E-22	Snhg11
ENSMUSG000000000876.11	439.7759742	1.827033589	5.63E-23	5.39E-22	Pxmp4
ENSMUSG00000034271.16	283.9501666	1.974513944	5.90E-23	5.64E-22	Jdp2
ENSMUSG000000028187.10	1604.410091	-1.407041465	5.91E-23	5.65E-22	Rpf1
ENSMUSG00000001472.17	7969.431803	1.160233703	5.98E-23	5.72E-22	Tcf25
ENSMUSG000000029676.15	712.9258424	-1.878935753	6.05E-23	5.79E-22	Pot1a
ENSMUSG00000025789.9	2650.151714	3.727700856	6.08E-23	5.81E-22	St8sia2
ENSMUSG00000030619.9	2221.984413	-1.356893297	6.18E-23	5.90E-22	Eed
ENSMUSG000000082245.1	750.6415415	-1.529438415	6.18E-23	5.90E-22	RP23-82A12.2
ENSMUSG000000038916.7	1073.435934	2.647043474	6.40E-23	6.11E-22	Soga3
ENSMUSG000000022964.14	949.4858003	1.302308776	6.58E-23	6.28E-22	Tmem50b
ENSMUSG000000034226.7	84.32401957	3.313965926	6.69E-23	6.38E-22	Rhov
ENSMUSG000000011267.8	61.78597158	-5.026202433	6.74E-23	6.43E-22	Zfp296
ENSMUSG00000020079.15	1417.612339	-1.367669972	6.83E-23	6.51E-22	Supv3l1
ENSMUSG00000020038.10	1315.442115	-1.863541871	6.90E-23	6.58E-22	Cry1
ENSMUSG000000083344.2	99.1533627	-3.946285381	6.97E-23	6.64E-22	AC161037.1
ENSMUSG000000059179.6	1462.523418	-1.801154545	7.06E-23	6.72E-22	RP24-388A6.2
ENSMUSG000000026189.13	381.1172706	-2.114331196	7.21E-23	6.87E-22	Pecr
ENSMUSG000000038020.5	263.6281049	3.028537025	7.44E-23	7.08E-22	Rapgef11
ENSMUSG00000001228.14	5447.236967	-1.358603274	7.78E-23	7.40E-22	Uhrf1
ENSMUSG000000056076.13	16837.36028	-1.326935091	7.82E-23	7.43E-22	Eif3b
ENSMUSG000000038700.4	681.4216778	11.82508948	8.00E-23	7.61E-22	Hoxb5
ENSMUSG000000036103.8	3146.262517	-1.542723086	8.07E-23	7.67E-22	Colec12
ENSMUSG00000108461.1	92.11733217	3.998289349	8.08E-23	7.67E-22	RP24-157O12.2
ENSMUSG000000041710.4	257.1520344	7.929799398	8.10E-23	7.69E-22	Trpc5
ENSMUSG000000021929.9	7308.704854	-1.666372442	8.18E-23	7.77E-22	Kpna3
ENSMUSG000000066621.12	1023.016477	1.671248513	8.19E-23	7.77E-22	Tecpr1
ENSMUSG000000021360.16	254.3833044	-1.893858797	8.26E-23	7.84E-22	Gcnt2
ENSMUSG00000087385.8	117.8743998	3.814315626	8.34E-23	7.90E-22	RP23-132L14.7
ENSMUSG00000111336.1	171.94122	-2.387990179	8.39E-23	7.95E-22	RP23-261O3.5
ENSMUSG000000070639.5	1269.584771	2.488903495	8.66E-23	8.21E-22	Lrrc8b
ENSMUSG000000049086.8	447.5068933	1.939684985	9.19E-23	8.71E-22	Bmyc
ENSMUSG000000096870.2	73.19650204	4.556311767	9.80E-23	9.28E-22	RP23-239117.1
ENSMUSG00000062846.7	3717.783945	-1.202575381	9.97E-23	9.44E-22	RP23-91I20.2
ENSMUSG00000005204.12	6743.515804	-1.07853018	1.04E-22	9.86E-22	Senp3
ENSMUSG00000022837.14	2064.522845	1.462911026	1.05E-22	9.92E-22	Iqcb1
ENSMUSG00000071652.7	1537.533174	-1.376763287	1.06E-22	1.00E-21	Ints5
ENSMUSG000000031627.9	131.0091669	2.750850192	1.13E-22	1.06E-21	Irf2
ENSMUSG000000043857.16	1256.704655	2.117784183	1.14E-22	1.08E-21	Mgat5b
ENSMUSG00000014470.4	505.9452569	1.70871744	1.15E-22	1.08E-21	Rnf166
ENSMUSG000000055435.6	491.6180029	1.539800192	1.17E-22	1.10E-21	Maf
ENSMUSG000000036411.10	115.1711903	2.794660959	1.18E-22	1.11E-21	RP23-342N3.3
ENSMUSG000000048012.19	329.5293265	-2.320021465	1.20E-22	1.13E-21	Zfp473
ENSMUSG000000054099.11	804.1156394	-2.201572656	1.24E-22	1.17E-21	Slc25a40
ENSMUSG00000111001.1	127.6967808	-2.809698552	1.25E-22	1.18E-21	RP23-55G19.3
ENSMUSG000000040836.15	1499.635733	2.01785975	1.27E-22	1.20E-21	Gpr161
ENSMUSG00000020422.13	2058.37966	-3.135454325	1.31E-22	1.23E-21	Tns3
ENSMUSG000000046318.15	72.66880344	-3.244476515	1.33E-22	1.26E-21	Ccbe1
ENSMUSG000000057561.9	4935.842754	-1.174652968	1.34E-22	1.26E-21	Eif1a
ENSMUSG000000006567.11	369.7662582	-3.177868154	1.36E-22	1.28E-21	Atp7b
ENSMUSG000000051721.6	606.1019121	-1.552450682	1.39E-22	1.31E-21	RP23-335F6.3
ENSMUSG000000082076.1	151.0933764	-2.647038911	1.39E-22	1.31E-21	RP23-194K1.1
ENSMUSG000000019359.14	305.4137923	1.994449138	1.39E-22	1.31E-21	Gdpd2
ENSMUSG000000054046.7	59.6032904	-4.348736357	1.47E-22	1.38E-21	Klk13
ENSMUSG000000037977.6	112.4661637	3.411409006	1.55E-22	1.45E-21	RP23-115A1.5
ENSMUSG000000014444.17	1635.39355	-2.953392443	1.55E-22	1.45E-21	Piezo1
ENSMUSG000000000751.13	7972.003405	-1.227361041	1.57E-22	1.48E-21	Rpa1
ENSMUSG000000074384.4	102.5030456	2.903847867	1.60E-22	1.51E-21	RP24-229D22.2

ENSMUSG00000030983.4	2845.340344	-1.547228833	1.61E-22	1.51E-21	Bccip
ENSMUSG00000029713.15	8079.274257	1.854949847	1.65E-22	1.54E-21	Gnb2
ENSMUSG000000115987.1	2083.33735	2.462435414	1.67E-22	1.57E-21	Vps28
ENSMUSG00000050663.7	81.58607969	6.041177203	1.70E-22	1.60E-21	Trhde
ENSMUSG00000033222.16	1941.98108	-2.378116428	1.70E-22	1.60E-21	Ttf2
ENSMUSG00000024991.7	25197.808	-1.684013452	1.70E-22	1.60E-21	Eif3a
ENSMUSG00000034227.7	103.8623467	4.84175615	1.76E-22	1.65E-21	Foxj1
ENSMUSG00000034118.15	1620.252889	-1.218876959	1.77E-22	1.66E-21	Tpst1
ENSMUSG00000020937.14	270.550811	-1.974976218	1.81E-22	1.69E-21	Plcd3
ENSMUSG00000035232.8	1177.323996	-1.337750527	1.93E-22	1.80E-21	Pdk3
ENSMUSG00000036882.7	1640.808407	3.32280099	1.95E-22	1.83E-21	Arhgap33
ENSMUSG00000022987.12	110.599409	4.24735643	1.96E-22	1.83E-21	Zfp641
ENSMUSG00000106827.1	195.3725065	-2.691967291	1.97E-22	1.84E-21	RP23-380O16.7
ENSMUSG00000048574.9	3104.154684	-1.870687672	1.98E-22	1.85E-21	AC102494.1
ENSMUSG00000016487.15	3492.855979	-2.119294853	2.01E-22	1.87E-21	Ppfbp1
ENSMUSG00000037868.15	113.4831096	-3.679673461	2.04E-22	1.90E-21	Egr2
ENSMUSG00000026827.12	4291.067847	-1.796600619	2.07E-22	1.94E-21	Gpd2
ENSMUSG00000001948.10	211.2838718	3.176398139	2.12E-22	1.97E-21	Spa17
ENSMUSG00000022185.19	9196.112724	-1.039175524	2.22E-22	2.07E-21	Acin1
ENSMUSG00000021076.6	4463.001661	1.348077946	2.23E-22	2.08E-21	Actr10
ENSMUSG00000037949.8	1738.894775	1.284947265	2.27E-22	2.11E-21	Ano10
ENSMUSG00000058799.16	29224.26405	-1.501008755	2.30E-22	2.14E-21	Nap11f
ENSMUSG00000024878.8	870.0589058	-1.331811102	2.30E-22	2.15E-21	Cbwd1
ENSMUSG00000020701.12	976.452031	2.619377531	2.39E-22	2.23E-21	Tmem132e
ENSMUSG00000040710.10	774.1957575	2.371050858	2.40E-22	2.23E-21	St8sia4
ENSMUSG00000103238.1	96.77146797	-2.588372891	2.41E-22	2.25E-21	RP24-395F2.1
ENSMUSG00000020793.5	131.795345	-2.22761065	2.45E-22	2.28E-21	Gair2
ENSMUSG00000026610.13	1278.532835	-2.864078539	2.45E-22	2.28E-21	Esrrg
ENSMUSG00000013495.15	453.7898001	1.787074856	2.46E-22	2.29E-21	Tmem175
ENSMUSG00000018446.8	10836.82102	-1.694773531	2.53E-22	2.35E-21	C1qbp
ENSMUSG00000006740.13	9644.666898	-1.015526001	2.58E-22	2.40E-21	Kif5b
ENSMUSG00000020668.10	2264.564185	2.800560261	2.60E-22	2.41E-21	Kif3c
ENSMUSG00000034329.16	996.6318223	-2.012964338	2.68E-22	2.49E-21	Brip1
ENSMUSG00000113536.1	203.0609994	2.098758662	2.70E-22	2.50E-21	RP23-45K23.3
ENSMUSG000000083907.2	223.7371458	-2.358724249	2.71E-22	2.51E-21	Plk-ps1
ENSMUSG00000024253.8	588.9419228	1.871364324	2.71E-22	2.51E-21	Dync2li1
ENSMUSG00000104524.1	79.50139112	4.774593351	2.74E-22	2.54E-21	RP24-331B5.1
ENSMUSG00000038351.14	1978.502963	1.998876769	2.78E-22	2.57E-21	Sgsm2
ENSMUSG00000037376.14	2881.838992	-1.347514912	2.79E-22	2.58E-21	Trmt6
ENSMUSG00000031409.1	496.4838258	1.581648964	2.90E-22	2.69E-21	Tceal6
ENSMUSG00000024691.13	1835.789506	-1.256575565	2.92E-22	2.70E-21	Fam111a
ENSMUSG00000028475.9	63.46587928	-5.507365818	2.94E-22	2.72E-21	RP23-430M12.2
ENSMUSG00000094873.1	392.9129331	-1.797155719	2.94E-22	2.72E-21	RP23-10L18.3
ENSMUSG00000095203.1	392.9129331	-1.797155719	2.94E-22	2.72E-21	RP23-10L18.2
ENSMUSG00000000340.10	937.5873139	-1.21900175	3.01E-22	2.78E-21	Dbt
ENSMUSG00000031776.17	3263.308038	1.113735056	3.06E-22	2.83E-21	Arl2bp
ENSMUSG00000030888.14	1751.901154	-1.399607845	3.11E-22	2.87E-21	Rrp8
ENSMUSG00000025933.15	187.1867778	2.459028733	3.13E-22	2.89E-21	Tmem14a
ENSMUSG00000035580.10	129.9788924	3.241000136	3.20E-22	2.96E-21	Kcnh8
ENSMUSG00000025358.16	2198.65565	-1.368169704	3.24E-22	2.99E-21	Cdk2
ENSMUSG00000104065.1	90.28713554	-3.461059656	3.27E-22	3.01E-21	RP24-346N5.1
ENSMUSG00000100826.6	15141.71707	-2.370382053	3.28E-22	3.03E-21	Snhg14
ENSMUSG00000044364.5	153.0308093	2.500456735	3.41E-22	3.15E-21	Tmem74b
ENSMUSG00000022272.17	3167.186088	-2.115647452	3.44E-22	3.17E-21	Myo10
ENSMUSG00000033276.18	334.0927376	2.66945308	3.55E-22	3.27E-21	Stk36
ENSMUSG00000026495.8	304.9776347	1.91510409	3.58E-22	3.29E-21	Efcab2
ENSMUSG000000089764.1	9147.78907	-1.600881214	3.78E-22	3.48E-21	RP24-255G1.8
ENSMUSG00000022114.5	669.5015008	-1.338977505	3.79E-22	3.49E-21	Spry2
ENSMUSG00000051335.6	287.4442137	3.437142601	3.94E-22	3.62E-21	Gfod1
ENSMUSG00000041846.15	5677.775227	-1.337997432	3.96E-22	3.64E-21	Smek1
ENSMUSG00000029730.16	9341.655155	-1.311119472	3.97E-22	3.65E-21	Mcm7
ENSMUSG00000052997.15	9792.899925	-1.032000502	3.98E-22	3.66E-21	Uba2
ENSMUSG00000001674.11	5128.163316	-2.210370913	4.15E-22	3.82E-21	Ddx18
ENSMUSG00000026578.6	495.4577385	1.469124452	4.19E-22	3.85E-21	Ccdc181
ENSMUSG00000034379.9	107.3027468	2.416516569	4.29E-22	3.94E-21	Wdr5b
ENSMUSG00000057554.13	339.5263989	2.808391709	4.32E-22	3.96E-21	Lgals8
ENSMUSG00000028104.14	335.8301467	2.009616019	4.45E-22	4.09E-21	Polr3g
ENSMUSG00000031399.15	578.5579924	1.595255315	4.50E-22	4.13E-21	Fam3a
ENSMUSG00000031095.15	4588.95184	-2.450101633	4.54E-22	4.17E-21	Cul4b
ENSMUSG00000047866.18	2114.406986	1.338542145	4.91E-22	4.50E-21	Lonp2
ENSMUSG00000027293.13	1305.899024	-1.664502787	5.10E-22	4.68E-21	Ehd4
ENSMUSG00000035199.6	4692.266863	1.286776352	5.47E-22	5.01E-21	Arl6ip5
ENSMUSG00000039372.5	143.3091846	6.329621927	5.48E-22	5.01E-21	04_Mrz
ENSMUSG00000109448.1	334.8763752	-1.586665842	5.49E-22	5.02E-21	RP24-137M22.3
ENSMUSG00000032890.17	3448.872112	2.357460407	5.56E-22	5.09E-21	Rims3
ENSMUSG00000029376.8	991.9514817	1.422403376	5.93E-22	5.42E-21	Mthfd2l
ENSMUSG00000051495.7	1011.661452	1.289689753	5.97E-22	5.46E-21	Irf2bp2
ENSMUSG000000083081.1	98.41499595	-3.325592366	6.03E-22	5.51E-21	RP23-282N17.3
ENSMUSG00000026888.14	206.6406741	2.447193661	6.05E-22	5.53E-21	Grb14
ENSMUSG00000019913.4	233.8458769	4.171528229	6.07E-22	5.55E-21	Sim1
ENSMUSG00000025104.13	5263.57576	1.682205522	6.27E-22	5.72E-21	Hdgfrp3
ENSMUSG00000034690.13	61.75808164	-5.467159295	6.27E-22	5.73E-21	Nlrp4c
ENSMUSG00000024498.15	6755.761063	-1.382301154	6.37E-22	5.81E-21	Tcerg1

ENSMUSG00000078894.9	1584.452781	-1.187246763	6.51E-22	5.94E-21	RP23-83O23.5
ENSMUSG00000081272.1	7606.781607	1.069392081	6.66E-22	6.07E-21	RP23-167N13.2
ENSMUSG00000031948.14	14194.37965	-1.1085861	6.97E-22	6.36E-21	Kars
ENSMUSG00000025103.8	3043.82915	1.024226389	7.07E-22	6.45E-21	Btbd1
ENSMUSG00000020248.18	2116.788641	-1.298327937	7.12E-22	6.48E-21	Nfyb
ENSMUSG00000028702.15	1463.728223	-1.109639524	7.12E-22	6.49E-21	Rad54l
ENSMUSG00000042675.15	947.7416576	2.067998928	7.20E-22	6.56E-21	Ypel3
ENSMUSG00000041483.14	3940.364889	-1.13428187	7.26E-22	6.61E-21	Zfp281
ENSMUSG00000060989.8	6306.617786	-1.966788566	7.34E-22	6.67E-21	RP23-425K3.1
ENSMUSG00000003360.15	5193.237283	-1.16925334	7.38E-22	6.71E-21	Ddx23
ENSMUSG00000021785.8	449.2356122	1.823640708	7.39E-22	6.72E-21	Ngly1
ENSMUSG00000020435.17	107.1661534	4.818915307	7.71E-22	7.01E-21	Osbp2
ENSMUSG00000000915.15	2746.451028	-1.388886924	7.89E-22	7.17E-21	Hip1r
ENSMUSG00000048967.16	259.1931179	3.723544157	8.16E-22	7.41E-21	Yjefn3
ENSMUSG00000028917.14	820.4254553	2.131746507	8.27E-22	7.51E-21	Plekhn2
ENSMUSG000000039630.10	45014.47274	-1.470394934	8.39E-22	7.62E-21	Hnrmpu
ENSMUSG00000035293.13	4173.129963	-2.265216607	8.51E-22	7.72E-21	G2e3
ENSMUSG00000041930.7	314.8333681	2.855899003	8.61E-22	7.81E-21	Fam222a
ENSMUSG00000027288.16	14009.16776	-2.36882856	9.04E-22	8.19E-21	Zfp106
ENSMUSG00000053963.7	160.5941121	6.842697788	9.04E-22	8.20E-21	AC121838.2
ENSMUSG00000063297.7	80.46652333	5.65821845	9.20E-22	8.34E-21	Luzp2
ENSMUSG00000015342.6	546.9173015	-2.782182391	9.52E-22	8.62E-21	Xk
ENSMUSG00000006874.12	804.3458621	-1.308974153	9.51E-22	8.62E-21	Psrc1
ENSMUSG00000043415.5	219.2417828	-2.109312077	9.97E-22	9.02E-21	Otud1
ENSMUSG00000110773.1	82.19367555	6.276025506	1.04E-21	9.42E-21	RP23-23P9.4
ENSMUSG00000114547.1	84146.01937	1.355252224	1.05E-21	9.47E-21	RP23-105P19.1
ENSMUSG00000026563.13	835.1674489	1.678495425	1.08E-21	9.73E-21	Tada1
ENSMUSG00000083270.1	1315.438609	-1.250845059	1.12E-21	1.02E-20	RP23-277K21.1
ENSMUSG00000085891.7	62.79069144	4.429780065	1.14E-21	1.03E-20	RP23-226M12.1
ENSMUSG00000073485.3	64.23230975	3.71241947	1.17E-21	1.06E-20	H3f3aos
ENSMUSG00000059277.12	303.9403617	2.360370754	1.25E-21	1.13E-20	AC015800.4
ENSMUSG00000040569.13	66.76670305	-3.72522422	1.27E-21	1.15E-20	Slc26a7
ENSMUSG00000029174.18	1946.026068	-1.931185295	1.32E-21	1.19E-20	Tbc1d1
ENSMUSG00000042607.15	85.51479414	-3.145384561	1.33E-21	1.20E-20	Asb4
ENSMUSG00000000365.9	144.693244	-2.171466637	1.40E-21	1.26E-20	Rnf17
ENSMUSG00000061207.11	797.4742632	1.568080173	1.42E-21	1.28E-20	Stk11
ENSMUSG00000039735.15	9731.606891	2.10356872	1.45E-21	1.31E-20	Fbnp19
ENSMUSG000000004085.14	371.1521755	-1.592953737	1.49E-21	1.34E-20	Map3k20
ENSMUSG00000037621.8	67.83411566	3.738492171	1.49E-21	1.34E-20	Atoh8
ENSMUSG00000067578.3	92.94867547	3.961695277	1.53E-21	1.38E-20	Cbln4
ENSMUSG00000038637.15	282.4771841	1.954919563	1.55E-21	1.39E-20	Lrrc56
ENSMUSG00000007279.14	78.42071734	3.474739141	1.56E-21	1.41E-20	Scube2
ENSMUSG00000040034.15	2256.552798	-1.706822994	1.57E-21	1.41E-20	Nup43
ENSMUSG00000030272.15	177.0736389	2.667795604	1.60E-21	1.44E-20	Camk1
ENSMUSG000000069014.4	7427.250919	-1.932623196	1.68E-21	1.51E-20	RP23-382K4.2
ENSMUSG00000022106.14	683.7101784	1.435223113	1.69E-21	1.52E-20	Rcbtb2
ENSMUSG00000028124.15	1934.370581	-1.442802771	1.72E-21	1.54E-20	Gclm
ENSMUSG00000016481.15	1216.859244	-1.266599314	1.72E-21	1.54E-20	Cr1l
ENSMUSG00000027242.14	1458.386443	-2.051673436	1.72E-21	1.55E-20	Wdr76
ENSMUSG00000033278.10	360.179446	3.087922293	1.82E-21	1.63E-20	Ptprm
ENSMUSG00000034818.16	1386.357753	3.012187131	1.82E-21	1.63E-20	Celf5
ENSMUSG00000041075.8	2313.696328	-2.576007288	1.82E-21	1.64E-20	Fzd7
ENSMUSG00000046434.16	42806.97875	-1.275795751	1.83E-21	1.64E-20	Hnrmpa1
ENSMUSG00000058748.9	783.7719529	-1.294386353	1.89E-21	1.69E-20	Zfp958
ENSMUSG00000035397.8	880.0371604	-1.420718353	1.92E-21	1.72E-20	Klf16
ENSMUSG00000031482.9	696.0098442	-1.352661727	1.96E-21	1.75E-20	Slc25a15
ENSMUSG00000036966.15	1199.066889	1.215371127	1.97E-21	1.76E-20	Spryd3
ENSMUSG00000028093.15	866.3922001	-1.325298256	1.97E-21	1.77E-20	Acp6
ENSMUSG00000096157.2	641.4870703	-1.84339884	2.04E-21	1.82E-20	RP24-376O18.2
ENSMUSG00000026509.15	1746.063599	1.74563136	2.07E-21	1.85E-20	Capn2
ENSMUSG00000019846.11	294.345797	-2.688189021	2.10E-21	1.88E-20	Lama4
ENSMUSG00000042515.13	2050.021214	-2.406524152	2.15E-21	1.92E-20	Mum11
ENSMUSG00000020361.13	30791.56822	-1.352246295	2.16E-21	1.93E-20	Hspa4
ENSMUSG000000089810.1	528.1416605	1.956979336	2.18E-21	1.94E-20	RP23-3F1.4
ENSMUSG00000051890.13	69.83179697	3.971917857	2.21E-21	1.97E-20	Klhdc1
ENSMUSG00000082250.1	125.7323573	-2.730750793	2.22E-21	1.99E-20	RP23-11C7.3
ENSMUSG00000034248.7	1321.381113	-2.050677968	2.24E-21	2.00E-20	Slc25a37
ENSMUSG00000073147.3	788.769322	2.556181656	2.28E-21	2.04E-20	RP23-443N7.2
ENSMUSG00000059811.13	4008.469252	-1.399860861	2.29E-21	2.04E-20	Atl2
ENSMUSG00000005804.14	1888.542698	1.215524744	2.29E-21	2.04E-20	Bloc1s6
ENSMUSG00000027004.3	261.833306	2.512281714	2.34E-21	2.09E-20	Frzb
ENSMUSG00000021193.10	5024.315714	-1.73073142	2.36E-21	2.10E-20	Pitrm1
ENSMUSG00000101167.1	304.1677911	1.955860082	2.36E-21	2.10E-20	H2afy3
ENSMUSG00000017765.17	809.0003843	-1.790515909	2.37E-21	2.11E-20	Slc12a4
ENSMUSG00000026031.15	500.8466296	-1.594995676	2.47E-21	2.20E-20	Cflar
ENSMUSG00000026239.14	544.6538305	1.846362133	2.51E-21	2.23E-20	Pde6d
ENSMUSG00000049676.14	145.1979804	-2.306740377	2.54E-21	2.26E-20	Catsperg1
ENSMUSG00000000317.11	174.5858939	-2.650005124	2.55E-21	2.27E-20	Bcl6b
ENSMUSG000000038252.13	7062.439757	-1.904489429	2.64E-21	2.35E-20	Ncapd2
ENSMUSG00000036432.8	332.8726203	1.592444072	2.66E-21	2.37E-20	Siah2
ENSMUSG00000048483.6	75.06574012	5.559541897	2.69E-21	2.39E-20	Zdhhc22
ENSMUSG00000004849.14	2820.022323	2.410479519	2.71E-21	2.41E-20	Ap1s1
ENSMUSG00000001280.13	3875.463035	-2.857075898	2.74E-21	2.43E-20	Sp1

ENSMUSG00000037846.18	420.8932417	-1.524907569	2.76E-21	2.45E-20	Rtkn2
ENSMUSG00000037815.6	5121.879961	-1.169353866	2.80E-21	2.48E-20	Ctnna1
ENSMUSG00000029669.14	684.0590765	1.411492485	2.80E-21	2.48E-20	Tspan12
ENSMUSG00000051329.13	4168.265235	-2.591132438	2.82E-21	2.50E-20	Nup160
ENSMUSG00000026930.15	2775.097168	1.818148171	2.83E-21	2.51E-20	Gpsm1
ENSMUSG00000058914.12	114.1703186	7.341783795	2.93E-21	2.60E-20	C1qtnf3
ENSMUSG00000027326.13	1659.345715	-2.520917156	2.97E-21	2.63E-20	Casc5
ENSMUSG00000091122.8	154.735781	8.197951774	2.99E-21	2.64E-20	RP23-48M16.5
ENSMUSG00000022552.16	1035.598387	1.148715551	3.02E-21	2.68E-20	Sharpin
ENSMUSG00000026657.16	3042.04492	2.412624651	3.07E-21	2.72E-20	Frm4a
ENSMUSG00000044576.6	303.0304385	2.130850528	3.11E-21	2.75E-20	Gareml
ENSMUSG00000024960.8	1207.294319	-1.895463163	3.17E-21	2.80E-20	Plcb3
ENSMUSG00000074757.4	337.3948275	-1.864609491	3.26E-21	2.88E-20	Kcng1
ENSMUSG00000081201.1	6048.338065	-1.169960666	3.37E-21	2.97E-20	Smt3h2-ps4
ENSMUSG00000032611.9	63.20512225	3.525469875	3.37E-21	2.98E-20	RP23-448A11.15
ENSMUSG00000031902.10	2608.510997	-2.014999132	3.40E-21	3.00E-20	Nfatc3
ENSMUSG00000026176.13	810.0783657	-1.255950722	3.48E-21	3.07E-20	Ctdsp1
ENSMUSG00000024538.7	1062.461475	1.788307127	3.51E-21	3.09E-20	Ppic
ENSMUSG00000078134.1	7238.161495	-1.274411257	3.73E-21	3.29E-20	RP23-438D7.4
ENSMUSG00000018820.13	2323.210258	1.849247437	3.77E-21	3.33E-20	Zfyve27
ENSMUSG00000108348.2	525.3898796	3.080061698	3.82E-21	3.36E-20	RP23-39115.5
ENSMUSG00000025410.10	6362.89155	1.677825731	3.87E-21	3.42E-20	Dctn2
ENSMUSG00000066652.5	69.86512703	-5.773093691	3.96E-21	3.49E-20	Lefty2
ENSMUSG00000103735.1	294.358597	-3.054113236	4.03E-21	3.55E-20	RP23-187F18.1
ENSMUSG00000003581.14	1041.578539	1.555166939	4.06E-21	3.57E-20	Rnf215
ENSMUSG00000021108.18	190.9818076	2.724357759	4.39E-21	3.86E-20	Prkch
ENSMUSG00000022537.18	237.0216948	2.568726998	4.41E-21	3.88E-20	Tmem44
ENSMUSG00000029147.11	13740.28417	-0.951842265	4.44E-21	3.91E-20	Ppm1g
ENSMUSG00000023088.17	1349.559216	-2.4843703	4.52E-21	3.98E-20	Abcc1
ENSMUSG00000086158.2	151.6704039	2.206713034	4.61E-21	4.05E-20	Ccp1os
ENSMUSG00000061524.8	1563.90834	-2.702039846	4.62E-21	4.06E-20	Zic2
ENSMUSG00000045211.5	225.949306	2.693905835	4.80E-21	4.21E-20	Nudt18
ENSMUSG00000082458.1	226.2488941	-2.109386239	4.85E-21	4.26E-20	RP23-81A18.2
ENSMUSG00000022449.14	358.1290121	-2.326923811	5.30E-21	4.65E-20	Adams20
ENSMUSG00000028614.14	4561.820145	-1.80143726	5.34E-21	4.68E-20	Ndc1
ENSMUSG00000029012.11	1619.512599	-1.119552529	5.47E-21	4.80E-20	Orc5
ENSMUSG00000083844.8	412.8928185	1.753822807	5.50E-21	4.82E-20	Ube2d-ps
ENSMUSG00000032202.11	133.6520872	-2.231285374	5.54E-21	4.86E-20	Rab27a
ENSMUSG00000017548.15	8112.571193	-2.005804623	5.85E-21	5.13E-20	Suz12
ENSMUSG00000029599.13	4571.9621	-0.993094419	5.92E-21	5.19E-20	Ddx54
ENSMUSG00000028876.7	268.8856271	3.866139316	6.03E-21	5.28E-20	Epha10
ENSMUSG00000036377.18	2038.080171	3.466994709	6.04E-21	5.29E-20	AC166328.1
ENSMUSG00000036745.15	688.7210199	2.577469785	6.09E-21	5.34E-20	Ttll7
ENSMUSG00000021953.14	99.15068825	-3.79458707	6.18E-21	5.41E-20	Tdh
ENSMUSG00000039043.5	59.47516313	4.249572858	6.18E-21	5.41E-20	Arpin
ENSMUSG00000030643.14	673.2700565	2.930438924	6.21E-21	5.44E-20	Rab30
ENSMUSG00000029447.11	21749.36309	-1.186932848	6.24E-21	5.46E-20	Cct6a
ENSMUSG00000086477.2	122.4068413	2.248493287	6.25E-21	5.46E-20	AC111124.2
ENSMUSG00000098649.2	238.3993295	11.27159106	6.36E-21	5.56E-20	RP24-351J24.2
ENSMUSG00000029814.10	5163.134287	-1.006271645	6.41E-21	5.60E-20	Igf2bp3
ENSMUSG00000047412.16	2010.077689	-1.568753216	6.47E-21	5.65E-20	Zbtb44
ENSMUSG00000087143.9	98.96172498	7.136185024	6.49E-21	5.67E-20	RP23-471B6.2
ENSMUSG00000098702.1	272.5507887	1.692787527	6.50E-21	5.67E-20	RP24-390G17.1
ENSMUSG00000019818.15	7903.112821	-1.760257005	6.67E-21	5.82E-20	Cd164
ENSMUSG00000073415.4	236.7943101	1.718677803	6.76E-21	5.90E-20	RP23-349B4.5
ENSMUSG00000068196.5	176.8597448	-2.290074735	6.92E-21	6.04E-20	Col8a1
ENSMUSG00000073154.10	59.65592412	4.174208084	7.16E-21	6.24E-20	RP23-315E20.1
ENSMUSG00000031751.14	5299.490691	1.30081858	7.18E-21	6.26E-20	Amfr
ENSMUSG00000038047.18	2747.959849	-1.997644477	7.20E-21	6.28E-20	Haus6
ENSMUSG00000071424.10	124.3308867	4.051619354	7.21E-21	6.28E-20	Grid2
ENSMUSG00000004865.15	5997.576998	-1.222365176	7.23E-21	6.29E-20	Srpk1
ENSMUSG00000040532.14	873.2052066	1.690468933	7.26E-21	6.32E-20	Abhd11
ENSMUSG00000021713.9	1131.856567	-1.275256662	7.69E-21	6.70E-20	Ppwd1
ENSMUSG00000028358.15	1299.693512	2.048536541	7.70E-21	6.70E-20	Zfp618
ENSMUSG00000041781.9	4612.624456	-1.350098089	7.76E-21	6.75E-20	Cpsf2
ENSMUSG00000042524.14	1159.300117	2.011405688	7.89E-21	6.86E-20	Sun2
ENSMUSG00000054580.14	131.9936643	-3.176528775	7.91E-21	6.88E-20	Pla2r1
ENSMUSG00000042066.15	1156.451172	2.221202244	8.02E-21	6.97E-20	Tmcc2
ENSMUSG00000025666.16	4567.753032	-1.697486153	8.08E-21	7.01E-20	Tmem47
ENSMUSG00000030685.5	898.2320338	1.420134718	8.28E-21	7.19E-20	Kctd13
ENSMUSG00000041632.7	1622.39909	-1.499789889	8.43E-21	7.32E-20	Mrps27
ENSMUSG00000039994.15	1852.036177	-1.74681511	8.76E-21	7.60E-20	Timeless
ENSMUSG00000037613.16	150.8683408	-2.090735962	8.90E-21	7.72E-20	Tnfrsf23
ENSMUSG00000033952.14	3193.677383	-2.476041893	9.00E-21	7.80E-20	Aspm
ENSMUSG00000036095.11	212.4808881	2.273285462	9.33E-21	8.08E-20	Dgkb
ENSMUSG00000022098.10	814.7908209	2.010548371	9.80E-21	8.49E-20	Bmp1
ENSMUSG00000028759.13	5706.966855	2.036424171	9.83E-21	8.51E-20	Hp1bp3
ENSMUSG00000013622.15	1475.301265	2.390243972	9.91E-21	8.58E-20	Atraid
ENSMUSG00000045659.18	1370.521486	-2.668531529	9.95E-21	8.61E-20	Plekha7
ENSMUSG00000020639.14	133.6183572	2.549698847	1.01E-20	8.72E-20	Pfn4
ENSMUSG00000029156.11	837.2818972	1.747319918	1.04E-20	8.96E-20	Sgcb
ENSMUSG00000032737.13	3956.371802	-2.409125338	1.05E-20	9.12E-20	Inpp1
ENSMUSG00000036990.13	8476.00282	-2.632911609	1.10E-20	9.54E-20	Otud4

ENSMUSG00000018841.17	1704.728911	-1.097366059	1.10E-20	9.54E-20	Rad51d
ENSMUSG00000019139.10	3382.821028	-1.183239161	1.11E-20	9.62E-20	Isyna1
ENSMUSG00000027827.16	127.7036134	2.295104861	1.13E-20	9.75E-20	Kcnab1
ENSMUSG00000039678.12	1549.237678	1.080507088	1.14E-20	9.85E-20	Tbc1d13
ENSMUSG00000027371.10	454.6383387	2.429449948	1.15E-20	9.89E-20	Fahd2a
ENSMUSG00000104664.1	432.1390128	-2.461576779	1.15E-20	9.89E-20	RP23-227D7.8
ENSMUSG00000023572.16	1203.842372	1.483662645	1.17E-20	1.01E-19	Ccndbp1
ENSMUSG00000038077.7	165.2610633	2.981188963	1.18E-20	1.01E-19	Kcna6
ENSMUSG00000040209.12	2791.17508	1.654679216	1.20E-20	1.03E-19	Zfp704
ENSMUSG00000048478.7	112.0529499	2.866569068	1.25E-20	1.07E-19	Spata33
ENSMUSG00000003779.15	5810.426154	-1.637171172	1.26E-20	1.09E-19	Kif20a
ENSMUSG00000115662.1	30454.39867	-1.286357039	1.28E-20	1.10E-19	RP24-325G24.1
ENSMUSG00000033294.11	1948.655615	-1.355736343	1.30E-20	1.12E-19	Noc4l
ENSMUSG00000019320.13	71.31020123	3.1988681	1.31E-20	1.12E-19	Noxo1
ENSMUSG00000034453.8	2615.143899	-1.372513146	1.31E-20	1.12E-19	Polr3b
ENSMUSG00000025328.9	72.40537195	-6.542227377	1.37E-20	1.18E-19	Padi3
ENSMUSG00000021417.15	1476.930002	1.56171952	1.38E-20	1.18E-19	Eci2
ENSMUSG00000001127.12	3698.199206	1.047211578	1.43E-20	1.23E-19	Araf
ENSMUSG00000023284.15	1875.187071	1.288506881	1.46E-20	1.26E-19	Zfp605
ENSMUSG000000035847.15	2399.820667	2.229809969	1.54E-20	1.33E-19	lds
ENSMUSG00000020380.16	2810.489605	-1.756552746	1.56E-20	1.34E-19	Rad50
ENSMUSG00000023938.7	698.6674697	-2.071287963	1.60E-20	1.37E-19	Aars2
ENSMUSG000000031842.14	59.04247782	-4.123243645	1.63E-20	1.40E-19	Pde4c
ENSMUSG00000028347.14	8665.849142	1.327157356	1.70E-20	1.46E-19	Tmeff1
ENSMUSG000000063543.5	1383.48537	-1.191523024	1.71E-20	1.47E-19	RP23-147123.4
ENSMUSG000000062604.11	2884.234679	1.256328036	1.71E-20	1.47E-19	Srpk2
ENSMUSG000000038991.17	7865.800415	-1.4360065	1.72E-20	1.47E-19	Txndc5
ENSMUSG00000037996.17	134.7171311	4.380748923	1.72E-20	1.48E-19	Slc24a2
ENSMUSG000000066235.7	734.4189011	1.359484832	1.74E-20	1.49E-19	Pomgnt2
ENSMUSG00000039960.5	1139.489696	1.15600889	1.76E-20	1.51E-19	Rhou
ENSMUSG000000027680.15	7391.454701	-1.34315752	1.79E-20	1.53E-19	Fxr1
ENSMUSG00000074934.3	115.171876	3.226709787	1.80E-20	1.54E-19	Grem1
ENSMUSG000000033732.10	15120.43178	-1.845860028	1.86E-20	1.59E-19	Sf3b3
ENSMUSG000000027111.15	11448.66764	-2.170161857	1.87E-20	1.60E-19	Itga6
ENSMUSG000000035275.14	1015.654523	-1.677029401	1.90E-20	1.62E-19	Raver2
ENSMUSG00000026727.10	718.8779812	-1.790078576	1.94E-20	1.66E-19	Rsu1
ENSMUSG00000022996.15	95.08087385	7.082905361	1.95E-20	1.66E-19	Wnt10b
ENSMUSG000000035274.13	1241.429543	1.255172031	2.02E-20	1.73E-19	Tpbp
ENSMUSG00000078317.6	441.0385286	2.359788726	2.13E-20	1.82E-19	F8a
ENSMUSG00000029769.16	1131.082747	1.194664881	2.15E-20	1.84E-19	Ccdc136
ENSMUSG000000083773.4	12455.20366	-1.473327266	2.18E-20	1.86E-19	RP23-338O4.6
ENSMUSG000000030351.5	145.1526665	2.42658646	2.30E-20	1.96E-19	Tspan11
ENSMUSG00000037857.16	7721.963925	-2.189877298	2.42E-20	2.06E-19	Nufip2
ENSMUSG00000021993.10	976.909224	-1.290338156	2.42E-20	2.07E-19	Mipep
ENSMUSG000000030769.15	62.30679501	-6.066024914	2.46E-20	2.10E-19	Slc5a11
ENSMUSG000000002109.14	493.6046022	1.679438259	2.47E-20	2.10E-19	Ddb2
ENSMUSG00000022485.3	268.6708058	9.587796007	2.50E-20	2.13E-19	Hoxc5
ENSMUSG00000004996.9	810.6680288	-1.472905418	2.52E-20	2.14E-19	Mri1
ENSMUSG000000090323.2	1017.113366	-1.822994621	2.53E-20	2.16E-19	RP23-285F13.3
ENSMUSG00000030019.6	2329.232244	-1.343243448	2.53E-20	2.16E-19	Fbxl14
ENSMUSG000000053574.4	162.9816997	2.665247069	2.63E-20	2.24E-19	RP23-207N15.6
ENSMUSG000000038764.14	1061.084866	-2.061468531	2.67E-20	2.27E-19	Ptpn3
ENSMUSG000000066647.6	427.1032852	2.030492679	2.67E-20	2.27E-19	AC164703.3
ENSMUSG00000001521.12	2283.092999	-1.894102095	2.69E-20	2.28E-19	Tulp3
ENSMUSG00000110444.1	711.0960616	-1.812631789	2.73E-20	2.32E-19	RP23-114B10.6
ENSMUSG000000093930.2	20522.63093	1.147000248	2.77E-20	2.36E-19	Hmgcs1
ENSMUSG000000032338.9	897.8877441	3.632176143	2.80E-20	2.38E-19	Hcn4
ENSMUSG000000067028.11	114.5786977	5.505184275	2.82E-20	2.40E-19	Cntnap5b
ENSMUSG00000071665.10	256.9370034	-2.278530647	2.82E-20	2.40E-19	Foxr2
ENSMUSG000000026922.13	255.991967	-2.061813559	2.89E-20	2.45E-19	Agpat2
ENSMUSG000000050538.8	415.9911195	1.640591943	2.90E-20	2.46E-19	RP23-386E10.7
ENSMUSG00000028322.11	1536.184449	-1.956489823	2.91E-20	2.47E-19	Exosc3
ENSMUSG000000040029.14	4879.900397	-1.776518944	3.00E-20	2.54E-19	Ipo8
ENSMUSG000000032264.9	1506.104021	-1.17760629	3.05E-20	2.58E-19	Zw10
ENSMUSG000000054484.14	262.4690166	2.101536401	3.11E-20	2.63E-19	Tmem62
ENSMUSG000000020185.16	965.3454169	-2.420398863	3.13E-20	2.65E-19	E2f7
ENSMUSG000000044134.9	770.7957789	1.407091325	3.16E-20	2.67E-19	Fam109a
ENSMUSG000000022580.13	453.0555699	1.328937553	3.19E-20	2.70E-19	Rhpn1
ENSMUSG00000111163.1	65.63812006	4.402638805	3.19E-20	2.70E-19	RP23-438P19.12
ENSMUSG00000016559.14	48817.48397	1.519012938	3.29E-20	2.78E-19	H3f3b
ENSMUSG000000059288.14	1203.220818	-1.930109398	3.38E-20	2.85E-19	Cdyl
ENSMUSG000000068200.6	3442.129241	-1.252896731	3.40E-20	2.87E-19	RP23-130J1.5
ENSMUSG000000096472.2	918.4030525	2.351464571	3.42E-20	2.89E-19	Cdkn2d
ENSMUSG00000019888.16	199.9462718	11.01967832	3.52E-20	2.98E-19	Mgat4c
ENSMUSG000000070436.12	3510.386876	1.528874326	3.58E-20	3.03E-19	Serpinh1
ENSMUSG00000003355.7	744.6420034	-2.677824639	3.63E-20	3.06E-19	Fkbp11
ENSMUSG000000097709.8	518.564493	-2.005663748	3.63E-20	3.06E-19	RP24-459P6.1
ENSMUSG000000073643.11	2849.680512	1.056578445	3.68E-20	3.10E-19	Wdfy1
ENSMUSG000000001504.10	127.0659527	2.410576892	3.79E-20	3.20E-19	Irx2
ENSMUSG00000028657.14	2341.835253	1.18298542	3.90E-20	3.29E-19	Ppt1
ENSMUSG000000064023.4	514.5991774	-2.620625775	3.90E-20	3.29E-19	Klk8
ENSMUSG00000102476.1	85.6728865	-7.118230957	3.91E-20	3.30E-19	RP23-227A12.5
ENSMUSG00000024456.16	4190.822931	-2.160595242	3.96E-20	3.34E-19	Diaph1

ENSMUSG00000035783.8	170.1877526	-2.358658073	3.98E-20	3.35E-19	Acta2
ENSMUSG00000083012.8	1110.911718	1.124525337	4.10E-20	3.45E-19	Fam220a
ENSMUSG00000042719.17	4875.685977	-2.124079684	4.12E-20	3.47E-19	Naa25
ENSMUSG00000114533.1	1549.818996	-1.825909912	4.14E-20	3.49E-19	RP23-189B14.1
ENSMUSG00000044645.7	2358.417029	-1.522551686	4.15E-20	3.49E-19	Gm7334
ENSMUSG00000032101.6	1446.39243	1.842624436	4.17E-20	3.51E-19	Ddx25
ENSMUSG00000062470.10	65.85990947	3.540108169	4.18E-20	3.52E-19	Fbxl12os
ENSMUSG00000014905.4	1172.812634	1.151093172	4.21E-20	3.54E-19	Dnajb9
ENSMUSG00000079557.10	889.1499546	1.521030866	4.27E-20	3.59E-19	02. Mrz
ENSMUSG00000019916.14	2603.597579	-1.107887348	4.28E-20	3.60E-19	P4ha1
ENSMUSG00000058126.7	8109.617496	-0.968263738	4.29E-20	3.60E-19	Tpm3-rs7
ENSMUSG00000044986.10	173.8584717	-1.989421286	4.37E-20	3.67E-19	Tst
ENSMUSG00000094392.1	8407.985014	3.007434618	4.38E-20	3.67E-19	RP24-281K23.1
ENSMUSG00000034171.13	281.6875561	1.638442336	4.42E-20	3.71E-19	Faah
ENSMUSG00000030584.14	1053.441666	1.20759495	4.43E-20	3.72E-19	Dpf1
ENSMUSG000000097320.8	193.6817955	2.068457838	4.46E-20	3.74E-19	Tmem147os
ENSMUSG00000033257.14	5979.737865	-2.716151343	4.49E-20	3.76E-19	Ttll4
ENSMUSG00000103839.1	212.9881572	3.337657624	4.53E-20	3.80E-19	RP24-191N24.2
ENSMUSG00000001729.14	3405.193823	1.740527794	4.58E-20	3.84E-19	Akt1
ENSMUSG000000021282.17	13494.63215	-0.954443539	4.67E-20	3.91E-19	Eif5
ENSMUSG00000022770.17	3473.619214	-1.881490069	4.69E-20	3.92E-19	Dlg1
ENSMUSG000000037149.10	10520.80167	-1.038858928	4.70E-20	3.94E-19	Ddx1
ENSMUSG000000004631.15	1851.276524	1.211408063	4.73E-20	3.96E-19	Sgce
ENSMUSG00000035594.10	325.1664076	2.467699708	4.83E-20	4.04E-19	Chrna5
ENSMUSG000000043165.7	125.9692837	2.476425447	4.83E-20	4.04E-19	Lor
ENSMUSG00000021111.15	9183.574993	-1.635665104	4.96E-20	4.15E-19	Papola
ENSMUSG000000025372.16	693.9091338	1.436267176	5.00E-20	4.18E-19	Baiap2
ENSMUSG00000019761.10	221.6741109	2.675675224	5.01E-20	4.18E-19	Krt10
ENSMUSG000000035790.15	920.4655178	2.160995677	5.09E-20	4.25E-19	Cep19
ENSMUSG000000032870.8	1816.7276	1.427563524	5.18E-20	4.33E-19	Smap2
ENSMUSG000000054893.15	562.5525347	1.360576655	5.23E-20	4.36E-19	Zfp667
ENSMUSG00000015647.9	4706.126717	-3.304791774	5.58E-20	4.65E-19	Lama5
ENSMUSG000000031887.13	228.522538	2.332487325	5.64E-20	4.70E-19	Tradd
ENSMUSG000000049148.8	82.79585728	4.170108716	5.64E-20	4.70E-19	Plcx3
ENSMUSG000000093803.3	816.2134644	1.387572164	5.69E-20	4.74E-19	Ppp2r3d
ENSMUSG00000020929.14	10509.2402	-1.210761398	5.73E-20	4.77E-19	Eftud2
ENSMUSG000000021213.12	99.69630548	6.819942955	5.73E-20	4.77E-19	Akr1c13
ENSMUSG000000035062.13	1198.881751	1.268787166	5.80E-20	4.83E-19	Zc4h2
ENSMUSG000000028438.16	600.7904929	-2.27177928	5.95E-20	4.96E-19	Kif24
ENSMUSG000000085287.8	70.13553092	4.3409385	6.14E-20	5.11E-19	RP23-10B20.2
ENSMUSG00000113241.1	145.973196	-3.322615586	6.17E-20	5.13E-19	RP23-273I1.1
ENSMUSG000000045009.9	327.5871041	1.918823638	6.27E-20	5.21E-19	Prrt3
ENSMUSG00000106981.1	63.47951671	4.649820999	6.34E-20	5.27E-19	RP23-425N12.2
ENSMUSG000000082195.3	3206.585165	-1.70826622	6.41E-20	5.33E-19	RP23-17C23.2
ENSMUSG000000035805.13	189.3773428	10.94098677	6.48E-20	5.38E-19	Mlc1
ENSMUSG000000078495.10	2134.222304	-2.38434703	6.70E-20	5.56E-19	RP23-282C23.7
ENSMUSG00000026208.9	54.18134558	-4.218850366	6.80E-20	5.65E-19	Des
ENSMUSG000000080824.1	428.4563215	1.672546258	6.98E-20	5.80E-19	RP23-142G18.1
ENSMUSG000000074918.4	382.5615358	1.746805067	7.10E-20	5.89E-19	Inafm2
ENSMUSG000000058248.12	121.124119	5.226353249	7.14E-20	5.92E-19	Kcnh1
ENSMUSG00000045576.16	761.9708028	1.439979639	7.16E-20	5.94E-19	Si7l
ENSMUSG000000028889.17	1455.567532	-1.264600708	7.17E-20	5.95E-19	Yrdc
ENSMUSG000000070866.4	99.89612004	3.526396589	7.30E-20	6.05E-19	Zfp804a
ENSMUSG00000022248.14	753.1304873	-1.345994145	7.32E-20	6.07E-19	Rad1
ENSMUSG00000071847.12	656.1422705	2.630519963	7.34E-20	6.08E-19	Apcdd1
ENSMUSG000000080989.1	1796.631115	-1.289709354	8.02E-20	6.64E-19	RP23-136C22.3
ENSMUSG00000108084.1	99.24180747	-2.648665755	8.03E-20	6.65E-19	RP24-315D19.10
ENSMUSG00000006024.13	3890.910623	1.162137336	8.06E-20	6.67E-19	Napa
ENSMUSG000000031224.6	165.6447988	2.232022369	8.10E-20	6.70E-19	Magee2
ENSMUSG000000028551.14	58.74175969	3.710233644	8.12E-20	6.71E-19	Cdkn2c
ENSMUSG00000041695.2	78.38616373	4.220603815	8.15E-20	6.74E-19	Kcnj2
ENSMUSG00000015656.17	89076.11916	-1.258999152	8.19E-20	6.77E-19	Hspa8
ENSMUSG00000018470.8	238.4088581	-2.392328336	8.28E-20	6.84E-19	Kcnab3
ENSMUSG000000026694.19	1641.182337	-1.399076374	8.30E-20	6.86E-19	Mettl13
ENSMUSG00000024660.8	4514.463438	-1.528467024	8.31E-20	6.86E-19	Incenp
ENSMUSG000000027347.18	257.1821039	3.110301239	9.00E-20	7.43E-19	Rasgrp1
ENSMUSG00000071649.5	2370.091283	2.384432915	9.20E-20	7.60E-19	B3gat3
ENSMUSG000000108434.1	183.3217054	10.89292052	9.32E-20	7.69E-19	RP23-291B1.2
ENSMUSG00000011305.11	56.6929083	-3.512369547	9.40E-20	7.76E-19	Plin5
ENSMUSG000000034413.14	249.8078799	3.171197281	9.55E-20	7.87E-19	Neurl1b
ENSMUSG000000024451.8	336.6235185	-2.178921614	9.89E-20	8.15E-19	Arap3
ENSMUSG000000040219.4	262.0414295	-1.757663766	9.95E-20	8.20E-19	Ttc12
ENSMUSG000000031629.14	746.8023983	-1.562832845	1.01E-19	8.33E-19	Cenpu
ENSMUSG000000032434.9	1446.428757	-1.780543554	1.05E-19	8.65E-19	Cmtm6
ENSMUSG000000046593.3	62.59951409	-3.829494892	1.06E-19	8.70E-19	Tmem215
ENSMUSG000000036986.16	1709.351523	-2.801411574	1.06E-19	8.75E-19	Pml
ENSMUSG000000045455.8	2270.380356	-1.609775295	1.07E-19	8.81E-19	RP24-512D20.3
ENSMUSG000000034110.8	262.2189792	1.977799126	1.12E-19	9.18E-19	Kctd7
ENSMUSG000000026586.16	60.12791254	5.590356448	1.12E-19	9.25E-19	Prrx1
ENSMUSG000000057649.6	2003.259751	1.383959524	1.13E-19	9.28E-19	Brd9
ENSMUSG000000078498.5	357.7045228	-2.436770282	1.13E-19	9.28E-19	RP23-162H3.1
ENSMUSG000000037606.18	347.1228235	2.771467713	1.14E-19	9.36E-19	Osbpl5
ENSMUSG000000089889.2	240.855001	3.233388288	1.16E-19	9.53E-19	AC123686.3

ENSMUSG00000085566.1	154.5448054	3.410971553	1.17E-19	9.63E-19	RP23-228H14.6
ENSMUSG00000078812.10	39335.93702	-1.62928803	1.23E-19	1.01E-18	Eif5a
ENSMUSG00000041907.9	201.5621183	2.189898822	1.24E-19	1.02E-18	Gpr45
ENSMUSG00000080845.1	5300.332791	-1.114325429	1.24E-19	1.02E-18	RP23-149P4.6
ENSMUSG00000067161.6	2874.419801	-1.554057668	1.26E-19	1.03E-18	RP23-28F1.1
ENSMUSG00000015501.10	614.8670226	2.912475691	1.27E-19	1.04E-18	Hivep2
ENSMUSG00000045799.6	10277.78669	-1.042832115	1.27E-19	1.04E-18	RP23-239P22.2
ENSMUSG00000022043.19	6989.888135	1.550176209	1.28E-19	1.05E-18	Trim35
ENSMUSG00000031543.18	219.8882365	4.485054852	1.30E-19	1.06E-18	Ank1
ENSMUSG00000041515.10	76.78959102	-2.932641927	1.30E-19	1.06E-18	Irf8
ENSMUSG00000006585.3	2038.657856	-1.082491448	1.30E-19	1.07E-18	Cdt1
ENSMUSG00000056749.7	752.0127538	1.234642565	1.30E-19	1.07E-18	Nfil3
ENSMUSG00000006273.14	7276.549311	1.175521217	1.31E-19	1.07E-18	Atp6v1b2
ENSMUSG00000034156.16	1402.925603	3.934628722	1.31E-19	1.08E-18	Bzrap1
ENSMUSG00000102577.1	54.04592536	-4.979305594	1.35E-19	1.10E-18	RP23-335C3.9
ENSMUSG00000024810.16	162.975128	-2.820078838	1.36E-19	1.11E-18	Il33
ENSMUSG00000020653.12	882.3055578	1.450532173	1.40E-19	1.15E-18	Klf11
ENSMUSG00000025215.10	55.12364052	4.05069909	1.46E-19	1.19E-18	Tlx1
ENSMUSG00000042284.10	631.6726769	-1.768675205	1.49E-19	1.22E-18	Itga1
ENSMUSG00000081885.1	2485.289052	-1.763869055	1.51E-19	1.23E-18	RP23-285N14.3
ENSMUSG00000081752.3	10316.78514	-1.312646637	1.53E-19	1.25E-18	RP23-160B4.1
ENSMUSG00000032561.15	76.9466326	4.071282213	1.58E-19	1.29E-18	Acpp
ENSMUSG00000048039.8	2619.601253	-1.52219602	1.66E-19	1.35E-18	Isg20I2
ENSMUSG00000016239.11	219.90401	-1.862817944	1.68E-19	1.37E-18	Lonrf3
ENSMUSG00000073233.4	783.1136781	-1.48784985	1.73E-19	1.41E-18	RP23-235G12.1
ENSMUSG00000056851.14	16313.40348	-1.456074891	1.77E-19	1.44E-18	Pcbp2
ENSMUSG00000023353.14	3593.854542	0.99702719	1.85E-19	1.51E-18	Agap3
ENSMUSG00000062184.11	2209.302348	1.068472555	1.89E-19	1.54E-18	Hs6st2
ENSMUSG00000106019.1	115.9684578	2.459617224	1.92E-19	1.56E-18	RP24-487F9.4
ENSMUSG0000000567.5	331.3613684	2.230456209	1.95E-19	1.59E-18	Sox9
ENSMUSG000000028274.17	1889.987382	-1.074651342	1.96E-19	1.60E-18	Rngt1
ENSMUSG00000079555.2	1173.248329	-1.168808613	2.00E-19	1.62E-18	Haus3
ENSMUSG00000025324.8	630.5490983	-3.12419771	2.01E-19	1.64E-18	Atp10a
ENSMUSG00000043673.11	117.2459147	2.746824294	2.02E-19	1.64E-18	Kcns3
ENSMUSG00000019852.7	583.6549484	2.345502553	2.07E-19	1.68E-18	Arfgf3
ENSMUSG00000042557.14	4867.233352	-2.025116514	2.11E-19	1.71E-18	Sin3a
ENSMUSG00000018196.18	1158.132163	1.485600159	2.13E-19	1.73E-18	Glrx2
ENSMUSG000000043384.15	24138.59457	1.973399053	2.16E-19	1.75E-18	Gprasp1
ENSMUSG00000068417.8	1027.47129	-1.445970172	2.19E-19	1.77E-18	Pnp2
ENSMUSG00000079056.12	115.1937158	-2.181134657	2.20E-19	1.79E-18	Kcnp3
ENSMUSG00000037709.13	212.5220807	1.94052832	2.23E-19	1.81E-18	Fam13a
ENSMUSG00000051048.17	109.3468868	3.636218472	2.26E-19	1.83E-18	P4ha3
ENSMUSG00000070527.3	752.8850281	1.178642945	2.28E-19	1.85E-18	Mkrm3
ENSMUSG00000030979.13	549.9739009	1.733455498	2.35E-19	1.90E-18	Uros
ENSMUSG00000075514.4	98.62104397	3.126884145	2.37E-19	1.92E-18	RP23-177L19.1
ENSMUSG00000032263.14	871.7826068	-1.580851549	2.43E-19	1.97E-18	Bckdhd
ENSMUSG00000026864.13	32147.91088	-0.94008267	2.47E-19	2.00E-18	Hspa5
ENSMUSG00000017978.18	514.2247736	2.546333455	2.49E-19	2.01E-18	Cadps2
ENSMUSG00000026558.13	6656.58067	-1.159158856	2.49E-19	2.01E-18	Uck2
ENSMUSG00000061079.14	939.6136143	-1.557390189	2.51E-19	2.03E-18	Zfp143
ENSMUSG00000041974.10	551.9816842	-1.448333082	2.57E-19	2.08E-18	Spidr
ENSMUSG00000092627.2	71.21654899	3.380937281	2.60E-19	2.10E-18	RP23-118M14.1
ENSMUSG00000021287.12	317.4142615	-1.894439881	2.64E-19	2.13E-18	Xrcc3
ENSMUSG00000072980.3	438.5086978	-1.662904612	2.70E-19	2.18E-18	Oip5
ENSMUSG00000093919.1	184.8877611	-3.35676196	2.76E-19	2.23E-18	Gm20760
ENSMUSG00000041219.14	3140.657143	-1.791503335	2.92E-19	2.36E-18	Arhgap11a
ENSMUSG00000112742.1	48.50637435	-4.659411905	2.92E-19	2.36E-18	CH25-11N3.2
ENSMUSG00000021260.8	233.2564521	2.601961489	2.95E-19	2.38E-18	Hhip1
ENSMUSG00000032131.16	216.0279074	4.008793637	2.97E-19	2.40E-18	Abcg4
ENSMUSG00000021983.16	891.5354629	2.694550819	3.01E-19	2.43E-18	Atp8a2
ENSMUSG00000032583.7	326.7902457	1.423116133	3.15E-19	2.54E-18	Mon1a
ENSMUSG00000057143.15	665.8222892	-1.644879903	3.17E-19	2.55E-18	Trim12c
ENSMUSG00000089999.1	2718.181557	1.160806634	3.19E-19	2.57E-18	AC122831.1
ENSMUSG00000064061.13	2565.037216	1.954153925	3.26E-19	2.63E-18	Dzip3
ENSMUSG00000052912.7	2776.478322	-1.722584628	3.30E-19	2.66E-18	Smarca5-ps
ENSMUSG00000083186.1	504.0520049	1.466488203	3.33E-19	2.68E-18	RP23-458D19.1
ENSMUSG00000018433.14	5154.356442	-1.568727358	3.38E-19	2.72E-18	Nol11
ENSMUSG00000086436.2	4883.533664	-1.121597696	3.39E-19	2.73E-18	RP23-393F9.3
ENSMUSG00000020290.14	26077.20931	-1.86186342	3.41E-19	2.74E-18	Xpo1
ENSMUSG00000084838.3	6393.883125	-1.164847685	3.42E-19	2.75E-18	RP24-241C15.1
ENSMUSG00000084159.1	3236.450753	-1.200344595	3.42E-19	2.75E-18	RP23-238I12.2
ENSMUSG00000032269.8	88.213067	-2.47282229	3.43E-19	2.76E-18	Htr3a
ENSMUSG00000055707.13	754.665084	1.722899056	3.46E-19	2.78E-18	Klhl26
ENSMUSG00000028633.7	5313.232946	-1.199150695	3.48E-19	2.80E-18	Ctsp
ENSMUSG00000018217.12	507.5249606	1.281439902	3.51E-19	2.82E-18	Pmp22
ENSMUSG00000020003.16	897.8229911	-1.280670689	3.71E-19	2.98E-18	Pex7
ENSMUSG00000029101.16	1409.722197	1.9577589	3.78E-19	3.03E-18	Rgs12
ENSMUSG00000085982.1	111.8133019	2.285027966	3.89E-19	3.12E-18	RP23-415B4.3
ENSMUSG00000021852.14	82.78772184	2.702612578	3.89E-19	3.12E-18	Sic35f4
ENSMUSG00000020311.17	1885.608352	1.191229405	3.94E-19	3.16E-18	Erlc1
ENSMUSG00000059796.16	39901.81333	-1.474227194	3.96E-19	3.17E-18	Eif4a1
ENSMUSG0000005981.11	3057.757705	-1.068791783	3.99E-19	3.20E-18	Trap1
ENSMUSG00000030079.15	2985.126161	-1.422897667	4.09E-19	3.28E-18	Ruvbl1

ENSMUSG00000018566.14	269.8698672	2.015136007	4.10E-19	3.29E-18	Slc2a4
ENSMUSG00000038319.14	1110.153949	1.68390026	4.13E-19	3.30E-18	Kcnnh2
ENSMUSG00000028333.10	14231.49423	-1.813902119	4.16E-19	3.33E-18	Anp32b
ENSMUSG000000061111.8	3597.742825	3.123068066	4.17E-19	3.33E-18	Fam195b
ENSMUSG000000084133.1	1993.179208	-1.898787097	4.27E-19	3.42E-18	RP23-149E24.9
ENSMUSG00000115301.1	234.1849274	-1.947550756	4.34E-19	3.47E-18	RP24-406I1.3
ENSMUSG000000063804.8	4645.305004	-1.775566062	4.38E-19	3.50E-18	Lin28b
ENSMUSG000000021186.9	59.48174631	3.660453286	4.48E-19	3.58E-18	Fbln5
ENSMUSG000000046334.4	295.2604003	-1.715438418	4.52E-19	3.61E-18	RP23-228O9.3
ENSMUSG000000096156.1	1857.74234	-2.091537969	4.93E-19	3.94E-18	RP23-5G10.2
ENSMUSG000000049571.18	114.6313105	4.84237003	5.04E-19	4.03E-18	Cfap46
ENSMUSG000000057982.8	330.7997437	-1.473953802	5.10E-19	4.07E-18	Zfp809
ENSMUSG000000053907.10	15439.111102	-1.499129431	5.19E-19	4.14E-18	Mat2a
ENSMUSG000000020108.4	1163.807649	-1.2603717	5.35E-19	4.27E-18	Ddit4
ENSMUSG000000028057.14	1056.238689	1.792177433	5.42E-19	4.32E-18	Rit1
ENSMUSG000000029405.16	18939.82878	-1.100412182	5.43E-19	4.33E-18	G3bp2
ENSMUSG000000032860.5	47.31526072	-4.173489	5.57E-19	4.44E-18	P2ry2
ENSMUSG000000038253.6	189.8591294	10.94263469	5.71E-19	4.55E-18	Hoxa5
ENSMUSG000000028977.16	430.6835021	1.646355639	5.80E-19	4.62E-18	Cas21
ENSMUSG0000000103958.1	69.24080292	-4.454545486	5.92E-19	4.72E-18	RP24-259F2.1
ENSMUSG000000028988.13	2956.325496	1.670742754	5.99E-19	4.77E-18	Ctnnbip1
ENSMUSG000000026380.10	208.7735558	2.372792814	6.21E-19	4.94E-18	Tfcp2l1
ENSMUSG000000029420.12	304.9414587	3.717789848	6.31E-19	5.02E-18	Rimbp2
ENSMUSG000000087589.3	67.13553843	3.980175445	6.37E-19	5.07E-18	AC084391.4
ENSMUSG000000027122.15	2696.2667	-1.295930399	6.40E-19	5.09E-18	Arl14ep
ENSMUSG000000042417.5	60.02649711	3.381191412	6.41E-19	5.09E-18	Ccno
ENSMUSG0000000044350.14	125.5939755	-2.305981831	6.42E-19	5.10E-18	Lacc1
ENSMUSG000000062588.4	1560.070701	1.524042016	6.42E-19	5.10E-18	RP24-426M1.2
ENSMUSG000000038550.10	181.7270083	-2.027762923	6.48E-19	5.15E-18	Ciart
ENSMUSG000000020121.15	1350.974592	2.909062282	6.53E-19	5.19E-18	Srgap1
ENSMUSG0000000037997.12	1391.595821	1.214454021	6.58E-19	5.22E-18	Parp11
ENSMUSG000000042155.3	2374.17858	1.276357675	6.62E-19	5.26E-18	Klhl23
ENSMUSG000000047146.17	4150.613715	-3.153835352	6.66E-19	5.28E-18	Tet1
ENSMUSG000000032839.13	426.1731125	1.639632266	6.84E-19	5.42E-18	Trpc1
ENSMUSG000000050605.17	654.2032932	1.907968805	6.84E-19	5.43E-18	Zfp61
ENSMUSG000000003308.15	1265.464806	1.075580152	7.33E-19	5.81E-18	Keap1
ENSMUSG000000097787.1	94.00137233	2.772979738	7.35E-19	5.82E-18	2700046G09Rik
ENSMUSG000000087088.2	140.8862206	2.486573312	7.45E-19	5.91E-18	RP24-252B21.2
ENSMUSG000000031740.8	870.2206814	-2.107720838	7.53E-19	5.97E-18	Mmp2
ENSMUSG000000049439.13	963.4050165	-1.590184475	7.58E-19	6.00E-18	Cyp20a1
ENSMUSG000000064342.1	97.97515812	3.443973153	7.65E-19	6.06E-18	mt-Ti
ENSMUSG0000000049420.9	1123.837531	2.39884522	7.70E-19	6.09E-18	Tmem200a
ENSMUSG000000033228.8	6541.997858	-1.778980216	7.78E-19	6.16E-18	Scaf11
ENSMUSG000000053846.4	183.1440903	-2.066683482	7.85E-19	6.21E-18	Lipg
ENSMUSG000000021687.14	5027.83435	1.518346981	7.88E-19	6.23E-18	Scamp1
ENSMUSG000000018379.17	23959.69925	-1.365496564	7.88E-19	6.23E-18	Srsf1
ENSMUSG000000007987.12	1023.446183	2.003817356	7.94E-19	6.28E-18	Ift22
ENSMUSG000000034906.15	1944.706651	-1.341490598	7.96E-19	6.29E-18	Ncaph
ENSMUSG000000057378.15	333.8107161	3.601779503	8.09E-19	6.39E-18	Ryr3
ENSMUSG000000062031.13	326.912398	-1.511588312	8.36E-19	6.60E-18	Athl1
ENSMUSG000000026017.13	253.9515975	2.030825576	8.54E-19	6.74E-18	Carf
ENSMUSG000000030671.9	1959.281367	-2.167027697	8.95E-19	7.06E-18	Pde3b
ENSMUSG000000047648.13	2053.204869	-1.304645071	9.00E-19	7.10E-18	Fbxo30
ENSMUSG000000024769.7	561.9767851	-2.252432431	9.28E-19	7.32E-18	Cdc42bpg
ENSMUSG000000030403.9	1964.873351	-1.049622476	9.33E-19	7.35E-18	Vasp
ENSMUSG000000021585.10	509.4981523	-1.567270395	9.33E-19	7.36E-18	Cast
ENSMUSG000000024074.7	1605.810569	2.397861995	9.34E-19	7.36E-18	Crim1
ENSMUSG000000073791.11	308.5455239	-1.420982613	9.42E-19	7.42E-18	Efcab7
ENSMUSG000000036693.12	3678.707543	-1.011933394	9.49E-19	7.47E-18	Nop14
ENSMUSG000000036371.6	34579.91317	-1.557408966	1.00E-18	7.88E-18	Serbp1
ENSMUSG000000036169.6	71.55663243	2.982032781	1.01E-18	7.92E-18	Sostdc1
ENSMUSG000000020918.14	3990.523203	-1.358126604	1.02E-18	8.01E-18	Kat2a
ENSMUSG00000106978.1	53.29208245	5.219469239	1.02E-18	8.04E-18	N4bp2os
ENSMUSG000000031367.15	3583.084045	1.358598399	1.03E-18	8.13E-18	Ap1s2
ENSMUSG000000039307.16	1563.93228	1.130558312	1.05E-18	8.28E-18	Hexdc
ENSMUSG000000097448.1	73.76574294	-3.142791503	1.06E-18	8.36E-18	Platr22
ENSMUSG000000032315.6	96.3988087	2.49988723	1.08E-18	8.51E-18	Cyp1a1
ENSMUSG000000025880.11	664.8660332	-1.740630151	1.14E-18	8.95E-18	Smad7
ENSMUSG000000031016.9	1362.196185	-2.0385808	1.15E-18	9.03E-18	Wee1
ENSMUSG000000008489.18	2917.299861	1.093661304	1.15E-18	9.04E-18	Elavl2
ENSMUSG000000056300.14	235.6806774	-2.569728562	1.17E-18	9.17E-18	RP23-384D6.6
ENSMUSG000000031935.9	2092.299255	-1.181005652	1.20E-18	9.43E-18	Med17
ENSMUSG000000018570.17	299.5667961	1.862574159	1.23E-18	9.62E-18	RP23-172M21.16
ENSMUSG00000105987.4	711.149885	-1.635828417	1.25E-18	9.83E-18	RP23-110C17.2
ENSMUSG0000000031310.16	1385.344017	2.369321229	1.26E-18	9.86E-18	Zmym3
ENSMUSG000000003282.9	435.3845021	-3.939539098	1.30E-18	1.02E-17	Plag1
ENSMUSG000000038298.14	73.82658788	-3.247380167	1.31E-18	1.03E-17	Pdzk1
ENSMUSG000000058073.4	302.9978786	1.555509875	1.32E-18	1.03E-17	RP23-337J7.2
ENSMUSG000000029559.15	1760.750449	1.770979156	1.32E-18	1.03E-17	RP24-297N9.8
ENSMUSG000000021431.15	2952.316655	-1.097906361	1.32E-18	1.03E-17	Snmp48
ENSMUSG000000008090.14	496.1936816	-1.540615788	1.35E-18	1.06E-17	Fgfr11
ENSMUSG000000063919.11	688.533829	3.02446844	1.36E-18	1.06E-17	Srrm4
ENSMUSG000000054693.14	3577.59286	1.539705132	1.36E-18	1.06E-17	Adam10

ENSMUSG00000105939.1	61.979468	5.266403769	1.37E-18	1.07E-17	RP24-423L4.4
ENSMUSG00000008604.11	5138.791032	-1.28460708	1.39E-18	1.08E-17	Ubqln4
ENSMUSG00000074671.6	100.438779	2.378076433	1.40E-18	1.09E-17	Tspyl3
ENSMUSG000000081071.1	2653.43117	-1.183078168	1.42E-18	1.11E-17	AC113055.8
ENSMUSG00000108077.1	85.40075746	6.337300345	1.43E-18	1.11E-17	RP23-178117.1
ENSMUSG00000023912.9	1040.371793	2.163322635	1.43E-18	1.12E-17	Slc25a27
ENSMUSG00000043003.14	109.7188596	-2.660406834	1.43E-18	1.12E-17	Rasef
ENSMUSG00000031214.13	2380.653334	-1.878664616	1.43E-18	1.12E-17	Ophn1
ENSMUSG000000053519.15	146.0258338	10.56664788	1.44E-18	1.13E-17	Kcnip1
ENSMUSG00000037771.11	149.3772248	2.678482904	1.45E-18	1.13E-17	Slc32a1
ENSMUSG00000024833.14	2037.665088	-1.159584152	1.47E-18	1.14E-17	Pola2
ENSMUSG00000020111.15	760.9371208	1.273524946	1.48E-18	1.15E-17	Micu1
ENSMUSG00000056608.14	3544.067405	-2.008060573	1.48E-18	1.15E-17	Chd9
ENSMUSG00000044043.4	64.55540902	3.00322847	1.52E-18	1.19E-17	Pcdhb14
ENSMUSG00000027075.16	296.8971986	-1.777944086	1.55E-18	1.20E-17	Slc43a1
ENSMUSG000000048307.8	2297.584374	2.97584374	1.55E-18	1.21E-17	Ankrd46
ENSMUSG00000027498.14	2302.520371	-1.054668116	1.57E-18	1.22E-17	Cstf1
ENSMUSG00000022765.10	1129.530841	1.593510506	1.58E-18	1.23E-17	Snap29
ENSMUSG000000083500.1	2157.987607	-1.046300969	1.63E-18	1.27E-17	AC162792.1
ENSMUSG000000025427.14	1687.707287	1.125024185	1.63E-18	1.27E-17	Rnf165
ENSMUSG00000031563.8	2163.77169	-1.586437986	1.63E-18	1.27E-17	Wwc2
ENSMUSG00000010054.4	1393.96117	1.227722159	1.64E-18	1.27E-17	Tusc2
ENSMUSG000000024493.8	9070.681269	-0.937825598	1.65E-18	1.28E-17	Lars
ENSMUSG000000036437.6	106.4211611	-2.643890955	1.66E-18	1.29E-17	Npy1r
ENSMUSG00000058297.16	4549.824676	2.108854811	1.67E-18	1.30E-17	Spock2
ENSMUSG00000045967.11	77.34468564	5.432157265	1.68E-18	1.30E-17	Gpr158
ENSMUSG000000025921.7	1202.602829	1.11294595	1.71E-18	1.32E-17	Rdh10
ENSMUSG00000028195.4	980.1354989	-1.136178369	1.73E-18	1.34E-17	Cyr61
ENSMUSG000000097675.2	56.78742138	4.090464243	1.75E-18	1.36E-17	RP23-33615.9
ENSMUSG000000009900.7	273.173968	10.5070768	1.76E-18	1.37E-17	Wnt3a
ENSMUSG000000063714.15	162.7473665	3.059643537	1.84E-18	1.43E-17	Sp3os
ENSMUSG00000075273.4	235.2377328	1.785832678	1.84E-18	1.43E-17	Ttc30b
ENSMUSG00000026854.16	968.2251605	1.554660045	1.88E-18	1.45E-17	Usp20
ENSMUSG000000078789.9	732.4279555	-1.659962446	1.89E-18	1.47E-17	Dph1
ENSMUSG000000033237.19	5220.155275	-1.009775709	1.89E-18	1.47E-17	Arid2
ENSMUSG000000052593.16	1908.414386	-1.630706241	1.93E-18	1.49E-17	Adam17
ENSMUSG000000026917.15	4231.705633	-1.01294259	1.98E-18	1.53E-17	Wdr5
ENSMUSG000000035133.9	4212.70423	-1.479629298	1.98E-18	1.53E-17	Arhgap5
ENSMUSG000000046110.15	52.55558823	3.594919563	2.01E-18	1.56E-17	Serinc4
ENSMUSG00000104154.1	107.4616581	4.754235226	2.03E-18	1.57E-17	RP23-440J24.4
ENSMUSG000000045731.6	141.5307886	10.51907187	2.07E-18	1.60E-17	Pnoc
ENSMUSG0000000046179.17	997.6699341	-2.281520608	2.13E-18	1.65E-17	E2f8
ENSMUSG000000079470.8	2083.716041	-1.818881341	2.14E-18	1.66E-17	Utp14b
ENSMUSG00000020811.16	687.5658835	1.659489635	2.17E-18	1.67E-17	Wscd1
ENSMUSG000000028039.11	373.5578858	1.912102382	2.19E-18	1.69E-17	Efn3
ENSMUSG000000069011.5	2098.772492	-1.178870297	2.20E-18	1.70E-17	RP23-72A21.2
ENSMUSG00000022019.16	580.6016034	1.316837187	2.26E-18	1.74E-17	Tdrd3
ENSMUSG000000053898.12	979.5293407	1.862128721	2.32E-18	1.79E-17	Ech1
ENSMUSG000000038963.15	238.4120254	-2.18649864	2.32E-18	1.79E-17	Slco4a1
ENSMUSG00000025082.8	240.8591828	-2.963724026	2.36E-18	1.82E-17	Vwa2
ENSMUSG00000032380.8	114.4368376	2.734317468	2.37E-18	1.83E-17	Dapk2
ENSMUSG00000074829.10	227.7937669	2.104863112	2.39E-18	1.84E-17	CAAA01180111.1
ENSMUSG000000026005.15	1529.019774	-1.123901925	2.39E-18	1.84E-17	Rpe
ENSMUSG00000041712.7	4445.351625	-1.564822731	2.45E-18	1.89E-17	Ubr7
ENSMUSG00000046556.7	1017.525856	1.992489371	2.46E-18	1.89E-17	Zfp319
ENSMUSG000000060063.9	49.35410684	-4.43095654	2.47E-18	1.90E-17	Alox5ap
ENSMUSG000000081593.1	1659.725534	-1.534110275	2.48E-18	1.91E-17	RP24-215D6.2
ENSMUSG00000098549.1	890.4002933	-1.910829092	2.51E-18	1.93E-17	RP23-183P22.1
ENSMUSG00000034023.16	2006.819292	-2.165868329	2.52E-18	1.94E-17	Fancd2
ENSMUSG000000028034.15	1510.1429595	-1.250730433	2.55E-18	1.96E-17	Fubp1
ENSMUSG00000095841.2	115.9665782	-4.264363909	2.60E-18	2.00E-17	RP24-542K6.1
ENSMUSG00000038135.4	50.34155255	-5.009011727	2.63E-18	2.02E-17	Crygn
ENSMUSG000000037992.16	2461.979421	-1.045062671	2.64E-18	2.03E-17	Rara
ENSMUSG000000028270.12	55.76047287	5.278555148	2.69E-18	2.07E-17	Gbp2
ENSMUSG000000040152.8	1733.513478	2.461396124	2.72E-18	2.09E-17	Thbs1
ENSMUSG00000036961.4	221.6716795	9.310654135	2.80E-18	2.15E-17	Wnt8b
ENSMUSG000000031708.16	6500.567909	1.269707633	2.82E-18	2.16E-17	Tecr
ENSMUSG000000028337.14	470.0021355	2.011635029	2.85E-18	2.19E-17	Coro2a
ENSMUSG000000034177.15	104.1358099	3.089457847	2.85E-18	2.19E-17	Rnf43
ENSMUSG000000016181.9	1458.436483	-1.563531965	2.96E-18	2.27E-17	Diexf
ENSMUSG00000102018.8	68.07059981	3.052697727	2.95E-18	2.27E-17	RP23-42819.3
ENSMUSG000000057147.13	1358.403269	-1.981852616	2.99E-18	2.29E-17	Dph6
ENSMUSG000000025602.13	269.7602207	2.064093205	3.03E-18	2.32E-17	Zfp202
ENSMUSG000000057054.11	83.31500046	3.573755413	3.05E-18	2.34E-17	Inca1
ENSMUSG000000041440.18	524.8562875	-2.375451497	3.07E-18	2.35E-17	Gk5
ENSMUSG00000043313.6	174.9688805	4.189425215	3.09E-18	2.36E-17	Pcdhb19
ENSMUSG00000022414.8	721.3422477	1.340817623	3.13E-18	2.39E-17	Tab1
ENSMUSG000000083562.1	333.9552738	-2.643459135	3.21E-18	2.46E-17	RP23-285N14.2
ENSMUSG000000070315.12	100.3395408	2.572572967	3.25E-18	2.49E-17	RP23-54G12.5
ENSMUSG000000037016.11	2287.656243	-3.256688092	3.27E-18	2.50E-17	Frem2
ENSMUSG000000026841.7	75.44473687	2.722112641	3.30E-18	2.52E-17	Fibcd1
ENSMUSG000000022364.14	969.0063482	-1.884779302	3.32E-18	2.54E-17	Tbc1d31
ENSMUSG000000032740.16	4002.449827	1.336580052	3.38E-18	2.58E-17	Ccdc88a

ENSMUSG00000015247.10	1134.123863	1.242238585	3.39E-18	2.59E-17	Nipsnap3b
ENSMUSG00000025049.5	966.5206116	-1.152830109	3.39E-18	2.59E-17	Taf5
ENSMUSG000000024136.14	77.24403093	3.378873979	3.43E-18	2.61E-17	Dnase112
ENSMUSG000000104204.1	62.73059981	3.078997556	3.58E-18	2.73E-17	RP23-291E6.6
ENSMUSG000000025402.12	709.0224563	-2.12647338	3.66E-18	2.79E-17	Nab2
ENSMUSG00000028042.15	246.1740705	-2.043932128	3.68E-18	2.81E-17	Zbtb7b
ENSMUSG000000030268.17	6556.515496	-1.112833334	3.69E-18	2.81E-17	Bcat1
ENSMUSG000000091955.2	4785.754926	3.451365746	3.75E-18	2.86E-17	RP24-158L15.1
ENSMUSG000000024792.8	678.1529279	1.391209358	3.75E-18	2.86E-17	Zfp11
ENSMUSG000000031657.16	3534.804618	-0.990861865	3.83E-18	2.92E-17	Heatr3
ENSMUSG000000042659.15	1951.412873	1.08052238	4.04E-18	3.08E-17	Arrdc4
ENSMUSG000000038975.14	3323.296751	-1.122759732	4.11E-18	3.13E-17	Rabgg7b
ENSMUSG000000008976.16	3297.242761	-1.88171123	4.15E-18	3.16E-17	Gabpa
ENSMUSG000000039809.10	321.3053263	5.644980101	4.17E-18	3.17E-17	Gabbr2
ENSMUSG000000045294.11	2591.608734	-1.283260409	4.26E-18	3.24E-17	Insig1
ENSMUSG000000024247.14	1104.744641	-1.159734516	4.30E-18	3.27E-17	Pkdcc
ENSMUSG000000097792.1	52.96248444	3.830189315	4.33E-18	3.29E-17	Gm27042
ENSMUSG000000058070.14	826.9001041	1.673686068	4.48E-18	3.40E-17	Emi1
ENSMUSG000000012126.16	219.0415328	2.445020989	4.49E-18	3.41E-17	Ubxn11
ENSMUSG000000070526.2	467.1171976	1.596458521	4.49E-18	3.41E-17	Peg12
ENSMUSG000000026014.15	4030.720528	-1.775340435	4.52E-18	3.43E-17	Raph1
ENSMUSG000000035378.17	1121.558893	-1.258149044	4.71E-18	3.58E-17	Shq1
ENSMUSG000000090389.2	1565.502879	-2.627772843	4.72E-18	3.58E-17	RP23-13619.13
ENSMUSG000000041912.12	1180.83165	1.116461541	4.73E-18	3.59E-17	Tdrkh
ENSMUSG000000025235.8	1063.422904	1.423188449	4.88E-18	3.70E-17	Bbs4
ENSMUSG000000005951.13	229.8013732	2.387249011	4.99E-18	3.78E-17	Shpk
ENSMUSG000000020780.15	5282.367996	-0.940940027	5.18E-18	3.93E-17	Srp68
ENSMUSG000000043192.4	4407.0772	-1.109634187	5.22E-18	3.96E-17	RP23-194C20.2
ENSMUSG000000027984.8	2104.001642	-1.174088957	5.24E-18	3.97E-17	Hadh
ENSMUSG000000007122.11	54.87206707	4.410823178	5.28E-18	4.00E-17	Casq1
ENSMUSG000000039850.16	1006.693079	1.882367226	5.47E-18	4.14E-17	Endov
ENSMUSG000000043870.9	572.9445393	-1.783293497	5.48E-18	4.15E-17	RP23-50H13.3
ENSMUSG000000040373.12	83.78908721	5.878131538	5.54E-18	4.19E-17	Cacng5
ENSMUSG000000067780.3	71.24806334	-6.843455434	5.59E-18	4.23E-17	Pi15
ENSMUSG000000036327.18	1587.129621	-1.414796932	5.60E-18	4.23E-17	Qsox2
ENSMUSG000000097113.7	54.12728406	-3.194037661	5.62E-18	4.25E-17	RP23-302C16.2
ENSMUSG000000030872.14	4537.70378	-1.61017892	5.63E-18	4.25E-17	Gga2
ENSMUSG0000000081179.1	2599.187578	-1.611851578	5.65E-18	4.27E-17	RP23-282C23.5
ENSMUSG000000006678.6	1624.445088	-2.067316094	5.70E-18	4.31E-17	Pola1
ENSMUSG000000085743.1	241.1666853	10.32703303	5.73E-18	4.33E-17	RP23-377H12.1
ENSMUSG000000039728.15	333.9640006	10.79707409	5.78E-18	4.36E-17	Slc6a5
ENSMUSG000000078496.9	332.120505	-2.977418716	5.80E-18	4.38E-17	RP23-326E2.2
ENSMUSG000000015120.15	7262.472542	-0.906905612	5.88E-18	4.44E-17	Ube2i
ENSMUSG000000099061.1	59.97383605	5.057876435	5.90E-18	4.45E-17	RP24-421H18.1
ENSMUSG000000031488.14	1609.24752	-2.629727849	5.97E-18	4.51E-17	Rab11fip1
ENSMUSG000000071745.1	64.74455324	3.624947517	6.06E-18	4.57E-17	RP23-11C16.9
ENSMUSG000000075229.11	1650.738461	-1.909247151	6.14E-18	4.63E-17	Ccdc58
ENSMUSG000000083246.1	1295.103221	-1.491536106	6.24E-18	4.70E-17	RP24-215D6.1
ENSMUSG000000012520.10	143.623824	1.999602295	6.32E-18	4.77E-17	Phox2b
ENSMUSG000000026701.15	8654.146747	-1.422275449	6.34E-18	4.77E-17	Prdx6
ENSMUSG000000071040.1	530.2777237	-1.250085689	6.35E-18	4.78E-17	Gm9386
ENSMUSG000000043460.7	127.6802921	2.600166287	6.42E-18	4.83E-17	Elfn2
ENSMUSG000000045104.8	863.5281225	2.249868831	6.45E-18	4.86E-17	Gm5514
ENSMUSG000000029161.7	260.8988549	2.079759025	6.55E-18	4.93E-17	Cgref1
ENSMUSG000000028411.15	1277.567918	1.360115666	6.62E-18	4.98E-17	Aptx
ENSMUSG000000026504.17	269.4448928	1.542949127	6.65E-18	5.00E-17	Sdccag8
ENSMUSG0000000037736.18	555.9889148	1.695192186	6.78E-18	5.10E-17	Limch1
ENSMUSG000000074892.9	61.81933818	4.505778737	6.83E-18	5.13E-17	B3galt5
ENSMUSG000000022610.10	932.9609663	-1.532836523	6.88E-18	5.17E-17	Mapk12
ENSMUSG000000009733.9	829.6813527	1.400741829	6.95E-18	5.22E-17	Tfcp2
ENSMUSG000000047935.17	53.18583539	4.077627704	7.06E-18	5.31E-17	RP24-473D4.1
ENSMUSG00000008179.8	332.2159349	-3.151840599	7.07E-18	5.31E-17	RP24-482A24.3
ENSMUSG000000027531.16	2231.196155	-0.989965359	7.28E-18	5.47E-17	Impa1
ENSMUSG000000032374.14	2149.946711	-1.434082899	7.28E-18	5.47E-17	Plod2
ENSMUSG000000092178.2	673.8984421	1.343372051	7.30E-18	5.48E-17	RP24-244P.2.1
ENSMUSG000000003848.14	2725.125177	-1.168839176	7.44E-18	5.58E-17	Nob1
ENSMUSG000000034120.18	19037.57541	-1.045477043	7.44E-18	5.58E-17	Srsf2
ENSMUSG000000079277.9	294.6989069	10.61673911	7.90E-18	5.92E-17	Hoxd3
ENSMUSG000000058101.3	107.8681414	-2.34159641	7.99E-18	5.99E-17	RP23-127B14.1
ENSMUSG000000034675.17	9054.376898	1.149458112	8.14E-18	6.10E-17	Dbn1
ENSMUSG000000014592.20	3283.336136	1.30711257	8.15E-18	6.11E-17	Camta1
ENSMUSG000000041548.4	484.9449083	1.446885318	8.19E-18	6.13E-17	Hspb8
ENSMUSG000000035891.16	760.4558622	1.789137329	8.24E-18	6.17E-17	Cerk
ENSMUSG000000014599.10	261.2284547	2.722161691	8.25E-18	6.17E-17	Csf1
ENSMUSG000000038085.13	66.27908534	3.045808678	8.37E-18	6.26E-17	Cnbd2
ENSMUSG000000021432.15	718.1515992	1.38278142	8.39E-18	6.27E-17	Slc35b3
ENSMUSG000000028441.12	49.2749024	4.063848313	8.40E-18	6.29E-17	RP23-100C7.3
ENSMUSG000000025529.14	1721.333002	2.128637027	8.43E-18	6.30E-17	Zfp711
ENSMUSG000000027881.14	5087.542331	-1.3072278	8.51E-18	6.36E-17	Prpf38b
ENSMUSG000000072511.2	46.77001083	-5.224705188	8.51E-18	6.36E-17	Hhla1
ENSMUSG000000036333.11	9465.107676	2.473199184	8.52E-18	6.37E-17	Kidins220
ENSMUSG000000107008.3	391.736594	-1.837325822	8.54E-18	6.37E-17	RP23-340E6.2
ENSMUSG000000043458.5	52.2526014	4.574934569	8.55E-18	6.38E-17	Pcdhb12

ENSMUSG00000041670.16	459.331158	3.202721079	8.67E-18	6.47E-17	Rims1
ENSMUSG00000053553.11	973.6772849	-1.775738958	8.77E-18	6.55E-17	3110082117Rik
ENSMUSG00000041147.10	1047.966548	-2.206725182	8.78E-18	6.55E-17	Brca2
ENSMUSG00000023110.12	6920.936898	-1.265600571	8.99E-18	6.71E-17	Prmt5
ENSMUSG00000009470.17	16159.11721	-1.833557059	9.07E-18	6.76E-17	Tnpo1
ENSMUSG00000097350.1	79.62894347	2.642136886	9.46E-18	7.05E-17	4732491K20Rik
ENSMUSG00000109095.1	165.5844389	10.745173	9.58E-18	7.14E-17	RP23-122E16.3
ENSMUSG00000020284.16	707.1521441	1.876463939	9.69E-18	7.22E-17	RP23-39I3.2
ENSMUSG00000009248.6	70.68134861	-3.506062238	9.73E-18	7.25E-17	Ascl2
ENSMUSG00000079523.8	7919.424306	3.321457012	1.01E-17	7.49E-17	Tmsb10
ENSMUSG00000031207.16	5588.863285	-2.476816683	1.01E-17	7.49E-17	Msn
ENSMUSG00000061665.6	3086.784576	-1.746481089	1.02E-17	7.62E-17	Cd2ap
ENSMUSG00000058625.5	76624.64247	1.427632403	1.04E-17	7.74E-17	Gm17383
ENSMUSG00000100801.1	129484.5519	-1.24080073	1.04E-17	7.76E-17	AC092404.2
ENSMUSG00000070304.12	292.8743879	2.111027947	1.05E-17	7.83E-17	Scn2b
ENSMUSG00000041343.19	219.0377902	2.157418999	1.05E-17	7.83E-17	Ankrd42
ENSMUSG00000083642.1	193.4994416	-2.443634595	1.07E-17	7.93E-17	RP23-282C23.6
ENSMUSG00000029504.5	1433.376097	-1.579288196	1.08E-17	8.05E-17	Ddx51
ENSMUSG00000024999.7	2023.163547	-2.022493415	1.09E-17	8.08E-17	Noc3l
ENSMUSG00000012535.14	6681.202164	-1.065242962	1.10E-17	8.19E-17	Tnpo3
ENSMUSG00000086308.1	174.2165538	8.957447025	1.13E-17	8.36E-17	RP23-162G11.2
ENSMUSG00000064194.10	68.96417814	-4.478615738	1.13E-17	8.39E-17	Zfp936
ENSMUSG00000055026.13	49.63308865	3.804408892	1.13E-17	8.39E-17	Gabrg3
ENSMUSG00000026102.9	429.7961755	1.326392604	1.14E-17	8.45E-17	Inpp1
ENSMUSG00000032503.18	63.42554683	3.648092316	1.14E-17	8.48E-17	Arpp21
ENSMUSG00000092202.1	174.0719843	2.292758825	1.17E-17	8.70E-17	Stk19-ps1
ENSMUSG00000067771.9	64.10126295	3.609553967	1.21E-17	8.99E-17	RP23-11C16.8
ENSMUSG00000035212.14	1792.229934	1.160847268	1.23E-17	9.12E-17	Leprot
ENSMUSG00000020120.15	135.4717268	2.757188059	1.24E-17	9.15E-17	Plek
ENSMUSG00000019865.9	62.44128242	-4.00935174	1.24E-17	9.19E-17	Nmbr
ENSMUSG00000104126.1	2436.885428	1.090804936	1.24E-17	9.20E-17	RP24-252K15.3
ENSMUSG00000019792.8	755.8047901	-1.255031579	1.25E-17	9.23E-17	Trmt11
ENSMUSG00000021733.10	5646.656498	-1.089299207	1.25E-17	9.28E-17	Slc4a7
ENSMUSG00000028673.10	1776.447962	1.629789489	1.26E-17	9.35E-17	Fuca1
ENSMUSG00000029304.14	150.1009818	-2.547414739	1.27E-17	9.42E-17	Spp1
ENSMUSG00000038738.15	539.5876323	3.371433023	1.28E-17	9.47E-17	Shank1
ENSMUSG00000036550.16	12235.60769	-2.182641783	1.28E-17	9.47E-17	Cnot1
ENSMUSG00000030609.18	2623.877902	-1.272330429	1.36E-17	1.00E-16	Aen
ENSMUSG00000037946.11	88.87914095	3.043603043	1.36E-17	1.01E-16	Fgd3
ENSMUSG00000021994.15	272.1115067	1.744905354	1.36E-17	1.01E-16	Wnt5a
ENSMUSG00000033386.10	301.2667483	-2.093973681	1.38E-17	1.02E-16	Frrs1
ENSMUSG00000024824.6	750.6216308	-1.365921815	1.40E-17	1.03E-16	Rad9a
ENSMUSG00000021258.10	2114.128174	-1.329375556	1.40E-17	1.04E-16	Ccnk
ENSMUSG00000037706.17	3938.896387	1.102075541	1.40E-17	1.04E-16	Cd81
ENSMUSG0000001901.15	288.8097789	-3.128869807	1.44E-17	1.06E-16	Kcnh6
ENSMUSG00000022211.9	740.8397823	2.504319452	1.44E-17	1.06E-16	Carmil3
ENSMUSG00000030092.14	63.11992358	5.899456293	1.48E-17	1.09E-16	Cntn6
ENSMUSG00000056648.5	168.5511238	8.913443465	1.50E-17	1.10E-16	Hoxb8
ENSMUSG00000030246.11	4306.950603	1.83286051	1.52E-17	1.12E-16	Ldhd
ENSMUSG0000008958.14	1863.668824	1.015263147	1.52E-17	1.12E-16	Vps72
ENSMUSG00000028634.17	85.40253584	2.990224678	1.56E-17	1.15E-16	Hivep3
ENSMUSG00000105302.1	66.4713109	6.226020006	1.58E-17	1.17E-16	RP24-372J8.2
ENSMUSG00000045176.3	460.5872514	1.966756461	1.59E-17	1.17E-16	Borcs6
ENSMUSG00000056204.8	669.3605586	1.244345422	1.60E-17	1.18E-16	Pgpep1
ENSMUSG00000103891.1	79.29790783	5.320021936	1.62E-17	1.19E-16	RP23-363K7.4
ENSMUSG00000040415.15	2817.784607	1.113416729	1.62E-17	1.19E-16	Dtx3
ENSMUSG00000038451.13	246.6558479	2.255076593	1.64E-17	1.20E-16	Spsb2
ENSMUSG00000031826.20	5385.517247	-1.629732263	1.66E-17	1.22E-16	Usp10
ENSMUSG00000025823.9	7238.293215	-1.015732942	1.69E-17	1.24E-16	Pdia4
ENSMUSG00000044337.5	504.7128565	-1.251934295	1.69E-17	1.24E-16	Ackr3
ENSMUSG00000025409.14	2404.725095	-2.627990389	1.72E-17	1.26E-16	Mbd6
ENSMUSG00000085562.7	60.57934775	5.83413723	1.72E-17	1.26E-16	RP23-39E21.1
ENSMUSG00000022103.10	464.9195792	1.919383194	1.75E-17	1.29E-16	Gfra2
ENSMUSG00000034686.8	427.0711657	2.263963515	1.85E-17	1.36E-16	Prr7
ENSMUSG00000006675.10	66.04259822	4.409287742	1.86E-17	1.36E-16	P4htm
ENSMUSG00000035842.10	1162.766709	-2.752320415	1.87E-17	1.37E-16	Ddx11
ENSMUSG00000097430.2	50.14134871	3.663038763	1.90E-17	1.39E-16	RP23-6P18.8
ENSMUSG00000031666.15	359.1169784	2.622318972	1.92E-17	1.40E-16	Rbl2
ENSMUSG00000037331.15	22873.09139	-1.311480034	1.96E-17	1.44E-16	Larp1
ENSMUSG00000067071.8	1261.413722	1.898705651	1.97E-17	1.44E-16	Hes6
ENSMUSG00000020130.9	1989.7585	-1.202434304	1.97E-17	1.45E-16	Tbc1d15
ENSMUSG00000059866.13	106.4731149	2.303169154	1.98E-17	1.45E-16	Tnip2
ENSMUSG00000052934.14	1279.859335	1.377224934	2.03E-17	1.49E-16	Fbxo31
ENSMUSG00000034518.14	1740.253582	-1.344975302	2.03E-17	1.49E-16	Hmgxb4
ENSMUSG00000100134.1	43.82382128	-4.511184604	2.08E-17	1.52E-16	RP24-402J9.1
ENSMUSG00000046961.8	201.590145	3.179041949	2.13E-17	1.56E-16	Gpr156
ENSMUSG00000019843.14	3447.815794	1.804377159	2.13E-17	1.56E-16	Fyn
ENSMUSG00000022040.8	96.96101367	2.628749816	2.15E-17	1.57E-16	Ephx2
ENSMUSG00000026496.11	12422.17092	-1.246352572	2.15E-17	1.57E-16	Parp1
ENSMUSG00000022307.16	1737.769663	-1.191453791	2.21E-17	1.62E-16	Oxr1
ENSMUSG00000003585.13	272.3457365	-1.42686749	2.27E-17	1.66E-16	Sec14I2
ENSMUSG00000030125.11	70.83925544	2.803178159	2.29E-17	1.68E-16	Lrrc23
ENSMUSG00000070880.10	58.96183083	4.76816474	2.32E-17	1.70E-16	Gad1

ENSMUSG00000019808.8	275.9460153	-1.612943068	2.34E-17	1.71E-16	Adat2
ENSMUSG00000057421.12	3998.097742	-1.148560089	2.36E-17	1.72E-16	Las1l
ENSMUSG00000029149.14	130.8751597	-2.932537241	2.41E-17	1.76E-16	Krtcap3
ENSMUSG00000024502.9	1899.696721	1.515074625	2.43E-17	1.77E-16	Jakmp12
ENSMUSG00000112186.1	2292.4648	2.455333944	2.57E-17	1.87E-16	RP23-212M22.2
ENSMUSG00000031667.16	1973.79684	1.241189596	2.57E-17	1.88E-16	Aktip
ENSMUSG00000056174.8	89.94566768	3.444245566	2.62E-17	1.91E-16	Col8a2
ENSMUSG00000083338.1	189.9653818	-2.062112117	2.65E-17	1.93E-16	RP23-122I3.1
ENSMUSG000000111904.1	2292.192302	2.455131265	2.65E-17	1.93E-16	RP23-212M22.4
ENSMUSG00000024174.8	641.2266818	-2.422996036	2.67E-17	1.94E-16	Pot1b
ENSMUSG00000070003.7	436.6337731	1.456497072	2.74E-17	2.00E-16	Ssbp4
ENSMUSG00000030505.17	1804.474446	-1.027931591	2.77E-17	2.01E-16	Prmt3
ENSMUSG00000043154.15	1065.99038	1.781162502	2.83E-17	2.06E-16	Ppp2r3a
ENSMUSG00000031673.6	930.1573372	2.273328453	2.85E-17	2.07E-16	Cdh11
ENSMUSG00000029207.16	947.7946649	1.476642365	2.85E-17	2.07E-16	Apbb2
ENSMUSG00000034936.2	185.1449432	-1.982394004	2.89E-17	2.10E-16	Arl4d
ENSMUSG00000030157.5	45.19332469	-4.203208337	2.91E-17	2.11E-16	Clec2d
ENSMUSG00000045934.15	101.7266745	-2.090024666	2.91E-17	2.11E-16	Mttr11
ENSMUSG00000044763.8	1262.707565	-1.096603844	2.92E-17	2.12E-16	Trmt10c
ENSMUSG00000026196.7	1036.797944	-1.95593607	2.94E-17	2.13E-16	Bard1
ENSMUSG00000010154.7	756.3998372	1.558457962	3.07E-17	2.23E-16	Spire2
ENSMUSG00000015829.13	256.6353213	4.310742039	3.11E-17	2.26E-16	Tnr
ENSMUSG00000038876.12	1970.760665	0.940834114	3.13E-17	2.27E-16	Rnf146
ENSMUSG00000079560.13	208.2741204	10.11571551	3.18E-17	2.31E-16	Hoxa3
ENSMUSG00000026361.9	3314.113807	-1.791575296	3.20E-17	2.32E-16	Cdc73
ENSMUSG00000002103.15	2159.378311	1.416466462	3.21E-17	2.32E-16	Acp2
ENSMUSG00000115810.1	64.47764036	3.977211846	3.20E-17	2.32E-16	RP24-388K7.1
ENSMUSG00000030839.12	462.9847315	1.927504738	3.36E-17	2.43E-16	Sergef
ENSMUSG00000110661.1	104.6007923	-2.291295936	3.42E-17	2.48E-16	RP23-264J18.4
ENSMUSG00000028465.16	3482.788506	-1.418212763	3.75E-17	2.71E-16	Tln1
ENSMUSG00000040410.14	499.4266639	1.813413998	3.75E-17	2.71E-16	Fbxl4
ENSMUSG00000007610.15	1009.323276	-1.096081484	3.84E-17	2.78E-16	Gtpbp3
ENSMUSG00000112714.1	1272.691797	-3.920498419	3.87E-17	2.80E-16	RP24-498F21.2
ENSMUSG00000029650.10	124.0867459	-1.861044874	3.87E-17	2.80E-16	Slc46a3
ENSMUSG00000042298.18	1318.115962	1.043049689	3.88E-17	2.80E-16	Ttc19
ENSMUSG00000061455.13	658.9198051	1.957990397	3.89E-17	2.81E-16	Stx17
ENSMUSG00000027011.14	5473.659903	1.287220932	3.89E-17	2.81E-16	Ube2e3
ENSMUSG00000026676.7	84.24371658	2.540828307	3.90E-17	2.82E-16	Ccdc3
ENSMUSG00000024750.10	5136.490891	0.921880621	3.92E-17	2.83E-16	Zfand5
ENSMUSG00000023092.16	2419.958758	1.260242214	4.03E-17	2.91E-16	Fhl1
ENSMUSG00000038759.15	6921.349675	-2.625793569	4.04E-17	2.92E-16	Nup205
ENSMUSG00000047414.6	490.2571564	2.337963537	4.16E-17	3.00E-16	Firt2
ENSMUSG00000063954.7	95.83486967	4.808711025	4.19E-17	3.02E-16	Hist2h2aa1
ENSMUSG00000026458.13	478.8630669	1.812989474	4.31E-17	3.11E-16	Ppfia4
ENSMUSG00000025269.16	1691.011364	-1.539378569	4.31E-17	3.11E-16	Apex2
ENSMUSG00000034799.16	882.9981038	3.04846726	4.41E-17	3.18E-16	Unc13a
ENSMUSG00000033577.18	458.3895924	1.501547975	4.46E-17	3.21E-16	Myo6
ENSMUSG00000015149.14	1217.973976	1.567361076	4.56E-17	3.29E-16	Sirt2
ENSMUSG00000031709.15	3547.598379	2.299703388	4.57E-17	3.29E-16	Tbc1d9
ENSMUSG00000028132.15	103.5605654	3.254026961	4.58E-17	3.30E-16	Tmem56
ENSMUSG00000036427.5	12159.52439	-0.93779465	4.70E-17	3.39E-16	Gpi1
ENSMUSG00000038070.15	236.4564306	2.048517027	4.72E-17	3.40E-16	Cntln
ENSMUSG00000020420.8	306.0336725	-1.495558526	4.76E-17	3.43E-16	Zfp607
ENSMUSG00000034617.7	1111.173088	-1.578064383	4.88E-17	3.51E-16	Mtrr
ENSMUSG00000028351.5	1831.860158	1.584704037	4.89E-17	3.52E-16	Brinp1
ENSMUSG00000046591.10	1573.950173	-2.581146389	4.93E-17	3.55E-16	Ticrr
ENSMUSG00000053600.7	508.4548096	-1.319985044	4.98E-17	3.58E-16	Zfp472
ENSMUSG00000053226.6	122.5025117	2.923441218	4.99E-17	3.59E-16	Dand5
ENSMUSG00000020859.16	11555.95285	2.569924128	5.02E-17	3.61E-16	Spag9
ENSMUSG00000034839.5	59.92976879	3.557223999	5.08E-17	3.65E-16	Larp6
ENSMUSG00000045382.6	554.7102125	1.285731059	5.09E-17	3.66E-16	Cxcr4
ENSMUSG00000027018.11	5854.792854	-1.529595427	5.14E-17	3.69E-16	Hat1
ENSMUSG00000002459.17	139.560266	2.527204713	5.15E-17	3.70E-16	Rgs20
ENSMUSG00000004393.10	5673.016303	-1.457130231	5.28E-17	3.79E-16	Ddx56
ENSMUSG00000055771.1	496.9838016	3.198785432	5.34E-17	3.83E-16	Gm7936
ENSMUSG00000031328.15	23193.69747	-2.354079216	5.35E-17	3.84E-16	Flna
ENSMUSG00000022494.15	101.7457662	7.592529172	5.38E-17	3.86E-16	Shisa9
ENSMUSG00000001054.9	1533.757042	1.128734105	5.39E-17	3.86E-16	Rmnd5b
ENSMUSG00000055660.8	444.707784	-2.098476728	5.42E-17	3.88E-16	Mettl4
ENSMUSG00000018405.5	834.742561	1.205268619	5.45E-17	3.91E-16	Mrm1
ENSMUSG00000031558.15	1502.053938	2.346086218	5.57E-17	3.99E-16	Slit2
ENSMUSG00000026743.16	2454.153909	-1.615116589	5.61E-17	4.02E-16	Mllt10
ENSMUSG00000022070.7	501.4376721	-1.358328031	5.63E-17	4.03E-16	Bora
ENSMUSG00000089762.3	209.7609769	1.756776777	5.69E-17	4.07E-16	Ier5l
ENSMUSG00000024987.5	61.67886863	-2.706371389	5.72E-17	4.10E-16	Cyp26a1
ENSMUSG00000043251.6	81.23797634	-2.636081584	5.79E-17	4.15E-16	Exoc3l
ENSMUSG00000032014.6	394.6197957	2.08012968	5.99E-17	4.29E-16	Oaf
ENSMUSG00000027236.8	5409.709301	-1.167817151	6.02E-17	4.30E-16	Eif3j1
ENSMUSG00000007837.11	147.6130195	2.39913185	6.07E-17	4.34E-16	Prrg2
ENSMUSG00000043644.4	78.43024529	4.661075571	6.12E-17	4.37E-16	RP23-82I5.2
ENSMUSG00000051062.6	159.1160578	8.826762754	6.15E-17	4.39E-16	Fbll1
ENSMUSG00000031262.12	1021.991569	-1.34419733	6.20E-17	4.43E-16	Cenpi
ENSMUSG00000027324.1	602.6480609	-2.239425988	6.37E-17	4.55E-16	Rpusd2

ENSMUSG00000008393.9	5647.72718	1.075356221	6.39E-17	4.56E-16	Carhsp1
ENSMUSG00000022371.16	71.56398199	4.277940887	6.46E-17	4.61E-16	Col14a1
ENSMUSG00000020072.15	81.3724401	3.062846624	6.51E-17	4.64E-16	Pblid2
ENSMUSG000000000031.16	154.1915021	-2.041028917	6.54E-17	4.66E-16	H19
ENSMUSG000000085379.1	355.2016854	1.540594443	6.54E-17	4.66E-16	RP23-44118.8
ENSMUSG00000099997.1	1044.487909	-1.040160404	6.59E-17	4.70E-16	Tubb4b-ps2
ENSMUSG00000030104.9	3175.68705	-1.746602511	6.61E-17	4.71E-16	Edem1
ENSMUSG00000024982.10	2366.35542	-1.02903045	6.71E-17	4.78E-16	Zdhhc6
ENSMUSG000000104362.1	106.4790849	10.10773307	6.72E-17	4.79E-16	RP23-14P23.9
ENSMUSG00000001700.9	443.8166404	-1.28942525	6.76E-17	4.82E-16	Gramd3
ENSMUSG00000005505.12	1098.749423	1.083423791	6.89E-17	4.91E-16	Kbtbd4
ENSMUSG000000051022.7	74.92215387	2.571604644	6.92E-17	4.93E-16	Hs3st1
ENSMUSG000000037251.5	545.2743596	1.581605793	7.00E-17	4.98E-16	Pomk
ENSMUSG000000021497.10	1315.572807	1.493889255	7.01E-17	4.99E-16	Txndc15
ENSMUSG00000001829.17	3569.958656	-1.368754299	7.16E-17	5.09E-16	Clpb
ENSMUSG000000042078.14	2020.614671	10.08651828	7.21E-17	5.13E-16	Svop
ENSMUSG000000043155.4	47.71550981	-5.457042522	7.25E-17	5.15E-16	Hpd1
ENSMUSG000000029179.14	815.7072625	-1.262353191	7.45E-17	5.30E-16	Zcchc4
ENSMUSG00000033597.8	863.2617967	2.428202684	7.51E-17	5.34E-16	Caskin1
ENSMUSG000000039110.14	46.15678716	4.282809137	7.51E-17	5.34E-16	Mycbpap
ENSMUSG00000097121.2	85.68691174	2.490406132	7.53E-17	5.35E-16	RP24-212D8.2
ENSMUSG000000066148.3	2466.829339	-1.069568716	7.59E-17	5.39E-16	Prpf4
ENSMUSG000000039990.16	2047.143402	-1.193266943	7.62E-17	5.41E-16	Edrf1
ENSMUSG000000078139.3	1672.887958	0.937403645	7.72E-17	5.48E-16	Hbld2
ENSMUSG00000049044.16	49.11443851	5.298214659	7.95E-17	5.64E-16	Rapgef4
ENSMUSG000000056999.14	3307.885819	-1.880641036	7.96E-17	5.65E-16	Ide
ENSMUSG000000003062.13	2097.891301	1.749473224	8.08E-17	5.73E-16	Stard3nl
ENSMUSG000000101356.1	70.95825473	4.206979677	8.09E-17	5.73E-16	RP24-89G21.1
ENSMUSG00000022997.9	86.23575391	7.357428021	8.12E-17	5.75E-16	Wnt1
ENSMUSG000000056737.14	183.1548947	-2.657455994	8.19E-17	5.80E-16	Capg
ENSMUSG000000049764.8	2670.577427	-1.776220385	8.19E-17	5.80E-16	Zfp280b
ENSMUSG00000021374.10	6860.392898	-2.349826258	8.33E-17	5.90E-16	Nup153
ENSMUSG00000022668.10	750.191727	1.314015493	8.36E-17	5.92E-16	Gtpbbp8
ENSMUSG000000032109.15	82.09177481	3.926453274	8.48E-17	6.00E-16	Nlrx1
ENSMUSG000000020598.16	4015.639143	1.948513384	8.58E-17	6.07E-16	Nrcam
ENSMUSG000000095234.1	59.84251602	3.178373366	8.61E-17	6.09E-16	Gm21586
ENSMUSG000000019066.13	374.8898009	1.947772455	8.62E-17	6.10E-16	Rab3d
ENSMUSG000000038697.15	1684.340841	-1.143629573	8.65E-17	6.12E-16	Taf5l
ENSMUSG00000020876.14	1637.907496	1.096388752	8.66E-17	6.12E-16	Snx11
ENSMUSG00000005312.15	8237.245684	-1.09919546	8.83E-17	6.24E-16	Ubqln1
ENSMUSG000000109086.1	573.9831619	-2.553740051	8.89E-17	6.28E-16	RP24-226N16.1
ENSMUSG000000049916.12	760.2686236	-1.478446275	8.92E-17	6.30E-16	RP23-153F8.13
ENSMUSG00000000791.9	42.08843408	-4.876344399	8.96E-17	6.33E-16	Ii12rb1
ENSMUSG00000020536.12	4776.699138	-1.678251164	9.32E-17	6.58E-16	Ligl1
ENSMUSG000000097048.7	444.2088033	1.354185307	9.38E-17	6.62E-16	RP23-20K24.5
ENSMUSG000000078652.9	9021.954083	-1.679369177	9.61E-17	6.78E-16	Psme3
ENSMUSG000000032332.17	121.2467364	3.077432443	9.75E-17	6.88E-16	Col12a1
ENSMUSG000000028655.11	396.9795734	-1.61142958	9.94E-17	7.01E-16	Mfsd2a
ENSMUSG000000027552.14	1280.44524	-1.043655844	9.98E-17	7.04E-16	E2f5
ENSMUSG000000087626.1	118.6027304	10.26305019	1.02E-16	7.16E-16	RP23-103L13.9
ENSMUSG000000031860.17	299.8076864	1.809249193	1.03E-16	7.25E-16	Pbx4
ENSMUSG000000069072.9	649.380384	2.875625512	1.05E-16	7.41E-16	Slc7a14
ENSMUSG000000017146.12	3947.825644	-1.870505598	1.05E-16	7.43E-16	Brca1
ENSMUSG000000064125.14	1347.456987	1.702445187	1.07E-16	7.56E-16	Prr36
ENSMUSG000000018648.15	138.1224937	2.158249278	1.09E-16	7.70E-16	Dusp14
ENSMUSG000000035642.16	415.4877983	2.693745641	1.10E-16	7.71E-16	Aamd
ENSMUSG000000020640.10	1488.619884	-1.374463527	1.10E-16	7.74E-16	Itns2
ENSMUSG000000025170.13	140.5492611	8.648636985	1.10E-16	7.74E-16	Rab40b
ENSMUSG000000085271.7	63.80268812	2.907573731	1.10E-16	7.75E-16	AC122005.1
ENSMUSG000000058056.16	3058.051389	-1.93935628	1.10E-16	7.75E-16	Pald
ENSMUSG000000028329.13	393.6421317	2.306777233	1.13E-16	7.94E-16	Xpa
ENSMUSG00000001918.17	2296.966918	-1.486316361	1.14E-16	7.98E-16	Slc1a5
ENSMUSG000000071658.4	1723.98466	1.852815359	1.14E-16	8.04E-16	Gng3
ENSMUSG000000034485.10	1445.884002	-1.511663436	1.15E-16	8.05E-16	Uaca
ENSMUSG00000002307.15	1765.134461	-1.029110359	1.16E-16	8.15E-16	Daxx
ENSMUSG000000028670.14	3866.213414	1.404067434	1.19E-16	8.36E-16	Lypla2
ENSMUSG000000042549.10	74.86083455	-2.600377029	1.21E-16	8.49E-16	Map2k3os
ENSMUSG000000002012.13	54.50922785	5.937178535	1.22E-16	8.55E-16	Pnck
ENSMUSG000000020331.9	652.3381034	1.400037121	1.23E-16	8.64E-16	Hcn2
ENSMUSG000000031816.15	1071.462226	1.136987845	1.25E-16	8.74E-16	Mthfsd
ENSMUSG000000026107.11	578.2682636	-1.720348885	1.25E-16	8.76E-16	Nabp1
ENSMUSG000000039050.8	1021.422532	1.626702819	1.29E-16	9.05E-16	Osbp12
ENSMUSG000000041439.15	890.708113	2.091864418	1.32E-16	9.24E-16	Mfsd6
ENSMUSG000000025491.14	275.2283917	2.873430865	1.32E-16	9.26E-16	Ifitm1
ENSMUSG0000000047205.12	495.2548067	1.688408985	1.33E-16	9.30E-16	Dusp18
ENSMUSG000000030102.11	3443.851625	-2.585753808	1.33E-16	9.31E-16	Itpr1
ENSMUSG000000023707.13	514.9856199	1.864787219	1.36E-16	9.50E-16	Ogfod2
ENSMUSG000000020389.19	325.2667547	1.730963155	1.37E-16	9.56E-16	Cdkl3
ENSMUSG0000000038742.7	130.5688179	2.974607299	1.39E-16	9.70E-16	Angptl6
ENSMUSG00000004952.13	198.0483564	1.865514445	1.41E-16	9.87E-16	Rasa4
ENSMUSG000000001348.15	112.2557862	-2.1386118	1.43E-16	1.00E-15	Acp5
ENSMUSG000000041747.3	2636.178488	-1.515257613	1.45E-16	1.01E-15	Utp15
ENSMUSG000000023827.8	1956.925808	1.610948773	1.46E-16	1.02E-15	Agpat4

ENSMUSG00000018819.10	81.44667361	2.971288881	1.47E-16	1.03E-15	Lsp1
ENSMUSG00000064138.14	676.7456019	1.884113075	1.47E-16	1.03E-15	Fam172a
ENSMUSG00000069378.13	54.68057753	3.539357568	1.47E-16	1.03E-15	Prdm6
ENSMUSG00000011427.1	43.11322436	-3.886326416	1.47E-16	1.03E-15	RP23-256D10.1
ENSMUSG000000116838.1	351.5508254	-1.897499338	1.47E-16	1.03E-15	RP24-75N14.5
ENSMUSG00000080237.2	83.52158907	-2.391928719	1.50E-16	1.04E-15	RP23-260N23.1
ENSMUSG00000010307.7	312.8333192	1.993823006	1.53E-16	1.06E-15	Tmem86a
ENSMUSG00000030177.14	1531.681913	-1.326685123	1.55E-16	1.08E-15	Ccdc77
ENSMUSG00000057134.5	1923.273259	-0.948584817	1.56E-16	1.08E-15	Ado
ENSMUSG000000110558.1	55.05197369	-3.450779646	1.59E-16	1.11E-15	RP23-39F24.3
ENSMUSG00000025451.15	3892.386435	1.003430476	1.59E-16	1.11E-15	Paip1
ENSMUSG00000020374.16	176.2115531	9.874100203	1.61E-16	1.12E-15	Rasgef1c
ENSMUSG00000003033.15	2533.564983	1.238128829	1.63E-16	1.13E-15	Ap1m1
ENSMUSG00000022142.8	5556.935513	-1.996571202	1.63E-16	1.14E-15	Nup155
ENSMUSG00000032336.17	3833.8787	1.113901266	1.66E-16	1.15E-15	Nptn
ENSMUSG00000019235.9	156.3333499	2.302689782	1.71E-16	1.19E-15	Rps6kl1
ENSMUSG00000051351.14	1097.498767	2.223943845	1.72E-16	1.20E-15	Zfp46
ENSMUSG00000050052.12	331.8677952	1.541615332	1.73E-16	1.20E-15	Tdrp
ENSMUSG00000083534.1	52.15068219	4.844629428	1.78E-16	1.24E-15	H2-M6-ps
ENSMUSG00000032400.18	2167.819858	-1.745424193	1.79E-16	1.24E-15	Zwilch
ENSMUSG000000112169.1	46.75254002	5.226123884	1.81E-16	1.26E-15	RP23-149M9.4
ENSMUSG00000030967.15	3307.045966	1.470667803	1.85E-16	1.28E-15	Zranb1
ENSMUSG00000029388.14	2534.133827	-0.988994418	1.90E-16	1.32E-15	Eif2b1
ENSMUSG00000027603.15	244.7921137	2.028210567	1.91E-16	1.32E-15	Ggt7
ENSMUSG00000058966.13	909.9892072	1.74211315	1.94E-16	1.35E-15	Fam57b
ENSMUSG00000000149.10	2610.421013	0.942001032	1.96E-16	1.36E-15	Gna12
ENSMUSG00000039194.16	44.23160257	4.337069346	1.97E-16	1.37E-15	Rbp1
ENSMUSG00000034570.12	91.19050289	3.095995077	1.98E-16	1.38E-15	Inpp5j
ENSMUSG00000030707.15	802.5318739	1.90288238	1.99E-16	1.38E-15	Coro1a
ENSMUSG00000092416.2	1418.316932	-1.736530318	2.02E-16	1.40E-15	Zfp141
ENSMUSG00000008475.13	6359.184062	1.406502271	2.02E-16	1.40E-15	Arpc5
ENSMUSG00000033581.17	3267.088535	-1.630743569	2.02E-16	1.40E-15	Igf2bp2
ENSMUSG00000083287.4	2424.836208	-2.422916116	2.04E-16	1.41E-15	RP23-105M20.1
ENSMUSG00000024913.16	2016.394944	-3.352952508	2.05E-16	1.42E-15	Lrp5
ENSMUSG00000021866.15	754.7957886	-1.310458753	2.12E-16	1.47E-15	Anxa11
ENSMUSG00000052613.16	73.75785938	3.071294327	2.14E-16	1.48E-15	Pcdh15
ENSMUSG000000113170.1	59.48735178	6.071776958	2.18E-16	1.51E-15	RP24-177A17.5
ENSMUSG00000019146.2	96.15773083	9.96073698	2.21E-16	1.53E-15	Cacng2
ENSMUSG00000024240.13	1703.907879	1.457291722	2.23E-16	1.54E-15	Epc1
ENSMUSG000000083815.1	114.0215842	-1.949505276	2.24E-16	1.55E-15	RP23-29O14.7
ENSMUSG00000083139.1	524.2008784	-1.632148712	2.26E-16	1.56E-15	RP23-354A24.2
ENSMUSG00000044792.7	1987.057006	0.968046507	2.30E-16	1.59E-15	Isca1
ENSMUSG00000022369.13	859.5138231	-1.960974907	2.39E-16	1.65E-15	Mtbp
ENSMUSG00000045031.18	79.31382353	3.023091968	2.41E-16	1.67E-15	Cetn4
ENSMUSG00000031451.6	343.1374542	-1.298274369	2.41E-16	1.67E-15	Gas6
ENSMUSG00000028610.16	49.89239823	5.540317416	2.42E-16	1.67E-15	Dmrtb1
ENSMUSG000000106534.1	78.86535683	-2.825611843	2.42E-16	1.67E-15	RP24-365I5.1
ENSMUSG00000006800.14	3880.171119	1.982109697	2.43E-16	1.68E-15	Sulf2
ENSMUSG00000012123.17	193.4506503	-2.359683353	2.46E-16	1.70E-15	Crybg2
ENSMUSG00000026409.14	544.394925	1.745733866	2.46E-16	1.70E-15	Pfkfb2
ENSMUSG00000036473.15	1091.149344	2.170885634	2.47E-16	1.70E-15	Tbc1d24
ENSMUSG00000035390.16	2111.232862	2.516350074	2.48E-16	1.71E-15	Brsk1
ENSMUSG000000087165.7	61.03671357	4.588302409	2.50E-16	1.72E-15	RP23-268K22.2
ENSMUSG00000036833.16	329.0007957	-1.340710811	2.53E-16	1.74E-15	Pnpla7
ENSMUSG00000073755.4	48.31596064	3.464976002	2.61E-16	1.80E-15	RP23-204N19.8
ENSMUSG00000053046.16	1258.17196	2.447909163	2.64E-16	1.82E-15	Brsk2
ENSMUSG00000027583.13	791.5870813	1.904222798	2.65E-16	1.82E-15	Zbtb46
ENSMUSG00000024776.17	248.1962758	-1.451505844	2.66E-16	1.83E-15	Stambpl1
ENSMUSG00000025962.15	1648.585162	-1.065681377	2.67E-16	1.84E-15	Fastkd2
ENSMUSG00000034321.13	1035.364664	-1.045894015	2.72E-16	1.88E-15	Exosc1
ENSMUSG00000022105.6	489.2722054	1.903673167	2.73E-16	1.88E-15	Rb1
ENSMUSG00000055675.6	453.2144301	2.297414292	2.74E-16	1.88E-15	Kbtbd11
ENSMUSG00000031380.10	66.76869568	-2.74389182	2.75E-16	1.89E-15	Figf
ENSMUSG00000072964.14	7319.062316	0.98713721	2.76E-16	1.90E-15	Bhlhb9
ENSMUSG00000087060.7	161.8630263	2.074705332	2.76E-16	1.90E-15	Eldr
ENSMUSG00000085016.1	44.364406	4.611261711	2.79E-16	1.92E-15	RP23-283N14.2
ENSMUSG00000057093.14	365.1738619	2.050784639	2.84E-16	1.95E-15	AC074312.5
ENSMUSG000000100153.2	9065.640007	-0.879110606	2.85E-16	1.95E-15	AC164158.1
ENSMUSG00000029864.7	128.7883753	-2.267911394	2.86E-16	1.96E-15	Gstk1
ENSMUSG00000038000.10	1157.081803	1.036162198	2.92E-16	2.00E-15	Acd
ENSMUSG00000071181.2	98.60098531	3.065794217	2.92E-16	2.00E-15	RP24-211E15.2
ENSMUSG00000029130.12	138.4763804	1.737341787	2.94E-16	2.02E-15	Rnf32
ENSMUSG00000031636.7	65.6897463	-3.788889571	3.00E-16	2.06E-15	Pdlim3
ENSMUSG00000062327.10	78.42303976	-2.85070285	3.01E-16	2.06E-15	T
ENSMUSG00000024959.13	876.5250211	2.209011536	3.15E-16	2.16E-15	Bad
ENSMUSG00000024480.8	2032.075762	1.360557077	3.17E-16	2.17E-15	Ap3s1
ENSMUSG00000044067.6	183.8668558	9.936117564	3.23E-16	2.21E-15	Gpr22
ENSMUSG00000003354.6	46.94720821	5.452712783	3.24E-16	2.22E-15	Ccdc65
ENSMUSG00000021573.15	189.2151538	2.978641869	3.42E-16	2.34E-15	Tppp
ENSMUSG00000028709.3	83.55098393	2.697207198	3.49E-16	2.39E-15	Mob3c
ENSMUSG00000042269.15	105.3023086	10.09121621	3.49E-16	2.39E-15	Fam92b
ENSMUSG000000106528.1	85.26252672	3.748101488	3.60E-16	2.46E-15	RP24-80L24.2
ENSMUSG00000053080.10	2077.834998	1.691694427	3.62E-16	2.47E-15	AC129188.1

ENSMUSG00000002580.7	1981.608611	2.22248039	3.65E-16	2.50E-15	Mien1
ENSMUSG00000026048.16	1214.54817	1.02228464	3.75E-16	2.56E-15	Ercc5
ENSMUSG00000046341.5	21856.6965	1.856395955	3.77E-16	2.58E-15	RP23-222K9.2
ENSMUSG00000039328.11	1300.419447	0.987682225	3.89E-16	2.66E-15	Rnf122
ENSMUSG00000022841.15	8905.136762	1.310156786	3.90E-16	2.67E-15	Ap2m1
ENSMUSG00000078588.10	105.2425932	2.476752807	3.92E-16	2.68E-15	Ccdc24
ENSMUSG00000036943.9	1830.01268	1.195275023	3.94E-16	2.69E-15	Rab8b
ENSMUSG00000045466.18	392.9344592	1.35243065	4.06E-16	2.77E-15	Zfp956
ENSMUSG00000035277.15	75.77174349	7.172617637	4.15E-16	2.83E-15	Arx
ENSMUSG00000052551.16	147.2836824	3.693683253	4.15E-16	2.83E-15	Adarb2
ENSMUSG00000078202.3	179.8794223	1.69292401	4.16E-16	2.84E-15	Nrarp
ENSMUSG000000081084.1	68.28143204	-2.458293288	4.24E-16	2.89E-15	RP23-468B9.1
ENSMUSG00000029627.12	308.5680817	1.932426228	4.24E-16	2.89E-15	Zkscan14
ENSMUSG00000073787.4	163.9150574	9.767876933	4.29E-16	2.93E-15	RP23-134L4.2
ENSMUSG00000027634.14	902.5141399	1.540636577	4.36E-16	2.97E-15	Ndrp3
ENSMUSG00000039375.16	130.8736209	2.716274242	4.39E-16	2.99E-15	Wdr17
ENSMUSG00000057963.9	767.8376951	-1.052613332	4.44E-16	3.03E-15	ltpk1
ENSMUSG00000079247.2	820.2961789	-1.904737171	4.53E-16	3.08E-15	RP23-141N19.12
ENSMUSG00000094125.1	820.2961789	-1.904737171	4.53E-16	3.08E-15	RP23-141N19.6
ENSMUSG00000094336.1	820.2961789	-1.904737171	4.53E-16	3.08E-15	RP23-141N19.7
ENSMUSG00000095824.1	820.2961789	-1.904737171	4.53E-16	3.08E-15	RP23-141N19.11
ENSMUSG00000096337.1	820.2961789	-1.904737171	4.53E-16	3.08E-15	RP23-141N19.10
ENSMUSG00000096484.1	820.2961789	-1.904737171	4.53E-16	3.08E-15	RP23-141N19.9
ENSMUSG00000097312.1	1205.960557	7.656780473	4.53E-16	3.08E-15	Gm26870
ENSMUSG00000106379.1	151.6918678	8.760138645	4.56E-16	3.10E-15	Lhfp13
ENSMUSG00000097180.5	422.1383921	-1.68419845	4.66E-16	3.17E-15	RP23-354E8.2
ENSMUSG00000029657.15	624.1935714	-1.44614335	4.92E-16	3.34E-15	Hsph1
ENSMUSG00000022940.17	1279.450435	1.860412049	4.92E-16	3.35E-15	Pigp
ENSMUSG00000029608.10	106.5003	7.663458147	4.94E-16	3.36E-15	Rph3a
ENSMUSG00000036641.9	45.51850419	3.750817922	4.95E-16	3.36E-15	Ccdc148
ENSMUSG00000096729.1	820.1409657	-1.907797505	5.12E-16	3.47E-15	RP23-141N19.8
ENSMUSG00000036885.14	757.2089243	-1.827458345	5.12E-16	3.48E-15	Arhgef26
ENSMUSG00000029070.9	482.8038908	-1.266365475	5.12E-16	3.48E-15	Mxra8
ENSMUSG00000047658.6	194.5940863	2.228034739	5.14E-16	3.49E-15	Gal3st3
ENSMUSG00000041459.15	20473.46113	-1.059883647	5.17E-16	3.51E-15	Tardbp
ENSMUSG00000085133.2	211.3329909	2.969707568	5.30E-16	3.59E-15	RP24-84B10.1
ENSMUSG00000038836.15	190.5307645	2.371262559	5.31E-16	3.60E-15	Agbl3
ENSMUSG00000084799.7	100.412064	3.267280323	5.33E-16	3.61E-15	Ino80dos
ENSMUSG00000028795.15	819.4238182	2.577468557	5.54E-16	3.76E-15	Ccdc28b
ENSMUSG00000027811.9	490.7741603	-1.302256098	5.57E-16	3.78E-15	AC122462.1
ENSMUSG00000028676.17	9482.834519	-0.977755358	5.60E-16	3.79E-15	Srsf10
ENSMUSG00000028344.12	210.9132319	1.900499718	5.65E-16	3.83E-15	Invs
ENSMUSG00000030204.10	4089.031483	-0.893497921	5.79E-16	3.92E-15	Ddx47
ENSMUSG00000112003.1	871.946797	-1.742641638	5.85E-16	3.96E-15	RP23-258F9.4
ENSMUSG00000098905.2	116.4085392	-1.963285718	5.85E-16	3.96E-15	Zfp953
ENSMUSG00000028360.9	373.7508628	2.964898485	5.90E-16	3.99E-15	Slc44a5
ENSMUSG00000082617.3	285.0208938	-1.450665054	6.10E-16	4.13E-15	Smt3h2-ps
ENSMUSG00000052406.14	1980.937573	-0.930138718	6.12E-16	4.14E-15	Rexo4
ENSMUSG00000025950.16	7949.275618	1.008292558	6.23E-16	4.21E-15	ldh1
ENSMUSG00000050043.16	4217.975625	1.126699258	6.30E-16	4.26E-15	Tmx2
ENSMUSG0000004263.15	243.1591966	1.788700898	6.38E-16	4.31E-15	Atn1
ENSMUSG00000000093.6	78.767117	2.427092638	6.42E-16	4.34E-15	Tbx2
ENSMUSG00000113055.1	85.53987656	9.792775426	6.46E-16	4.36E-15	RP24-241118.1
ENSMUSG00000028690.4	806.1927187	-1.142650549	6.48E-16	4.38E-15	Mmachc
ENSMUSG00000025582.4	661.1981974	2.623841153	6.49E-16	4.38E-15	Npbt1
ENSMUSG00000004366.4	177.7073089	9.883808016	6.57E-16	4.43E-15	Sst
ENSMUSG00000015001.17	51.09859794	-3.202467511	6.68E-16	4.51E-15	Oc90
ENSMUSG00000035725.13	1160.277582	1.22276769	6.70E-16	4.52E-15	Prkx
ENSMUSG00000039910.10	1575.547155	1.050311784	6.71E-16	4.53E-15	Cited2
ENSMUSG00000063888.6	6058.120251	-1.400169016	6.74E-16	4.54E-15	Rpl171
ENSMUSG00000034930.16	406.6389886	1.507350519	6.79E-16	4.58E-15	Rtkn
ENSMUSG00000091269.2	47201.114	0.861512372	6.85E-16	4.61E-15	RP23-456K21.7
ENSMUSG00000045903.8	49.13112136	5.792141307	6.88E-16	4.63E-15	Npas4
ENSMUSG00000031838.8	1324.057234	-1.003135791	6.89E-16	4.64E-15	lfi30
ENSMUSG00000031352.10	3457.299655	-1.040166741	6.92E-16	4.66E-15	Hccs
ENSMUSG00000033174.17	70.62956097	3.352866236	7.01E-16	4.72E-15	Mgll
ENSMUSG00000000743.9	3289.922535	1.147027582	7.06E-16	4.75E-15	Chmp1a
ENSMUSG00000037876.17	6918.227017	-2.246426751	7.15E-16	4.81E-15	Jmjd1c
ENSMUSG00000042745.9	388.8916875	-1.817762564	7.22E-16	4.86E-15	Id1
ENSMUSG00000101834.1	656.7733272	1.631873397	7.24E-16	4.87E-15	RP24-211L16.2
ENSMUSG00000058192.16	699.7386997	1.714590279	7.37E-16	4.95E-15	Zfp846
ENSMUSG00000107277.1	79.63800617	3.101617903	7.43E-16	5.00E-15	RP23-149A1.6
ENSMUSG00000023826.15	75.95742502	4.83011819	7.44E-16	5.00E-15	Park2
ENSMUSG00000025909.16	54.95772615	5.958400143	7.67E-16	5.15E-15	Sntg1
ENSMUSG00000037196.6	151.5620351	2.768088004	7.72E-16	5.18E-15	Pacrg
ENSMUSG00000086212.7	40.84510736	4.485364322	7.72E-16	5.18E-15	Mklin1os
ENSMUSG00000097767.8	4436.535925	3.019569779	7.81E-16	5.24E-15	Miat
ENSMUSG00000105740.1	95.1545138	4.793085055	7.83E-16	5.25E-15	RP24-159A20.4
ENSMUSG000000061751.16	1798.003607	2.71524493	7.87E-16	5.28E-15	Kalrn
ENSMUSG00000031910.14	128.1302272	2.247937018	8.02E-16	5.38E-15	Has3
ENSMUSG000000034108.5	1220.848323	1.957574013	8.05E-16	5.40E-15	Ccs
ENSMUSG00000051596.13	59.42917353	-3.391350944	8.11E-16	5.44E-15	Otop1
ENSMUSG00000016256.10	2328.947183	-1.710414669	8.31E-16	5.57E-15	Ctsz

ENSMUSG00000035569.17	12252.06616	-0.946545804	8.44E-16	5.66E-15	Ankrd11
ENSMUSG00000038530.11	83.70757495	3.179446211	8.48E-16	5.68E-15	Rgs4
ENSMUSG00000060477.14	75.88117527	2.59302355	8.53E-16	5.71E-15	Irak2
ENSMUSG00000020019.4	190.0955418	1.871176365	8.53E-16	5.71E-15	Ntn4
ENSMUSG00000024777.9	2011.223186	1.618056926	8.62E-16	5.77E-15	Ppp2r5b
ENSMUSG00000028643.11	1275.480182	2.566318021	8.73E-16	5.85E-15	Svbp
ENSMUSG0000000168.9	3759.369504	-1.077449464	8.74E-16	5.85E-15	Dlat
ENSMUSG00000037243.17	1020.773815	-1.267825989	8.75E-16	5.85E-15	Zfp692
ENSMUSG00000078747.9	124.4722718	2.277256247	8.82E-16	5.90E-15	RP23-30411.3
ENSMUSG00000020268.13	656.1217032	1.285951227	8.88E-16	5.94E-15	Lym7
ENSMUSG00000027184.14	25358.59313	-1.52525257	9.03E-16	6.04E-15	Caprin1
ENSMUSG00000046413.14	69.8570018	7.052429527	9.06E-16	6.06E-15	Irx3os
ENSMUSG00000020599.13	177.6994479	3.009401084	9.14E-16	6.11E-15	Rgs9
ENSMUSG00000025857.10	1081.344668	-2.436843351	9.16E-16	6.12E-15	Dnaaf5
ENSMUSG00000090031.2	87.73933846	2.785552802	9.19E-16	6.14E-15	AC139064.2
ENSMUSG00000080747.1	151.5317122	-1.710624875	9.47E-16	6.32E-15	RP23-266K3.2
ENSMUSG00000041594.18	480.134679	1.944100555	9.52E-16	6.36E-15	Tmtc4
ENSMUSG00000005698.15	4764.146552	-1.43548275	9.60E-16	6.40E-15	Ctcf
ENSMUSG00000021500.17	6939.811556	-1.444600854	9.62E-16	6.42E-15	Ddx46
ENSMUSG00000101841.1	911.8845225	-1.05827724	9.64E-16	6.43E-15	RP23-104F14.2
ENSMUSG00000116121.1	48.61680642	3.848825274	9.70E-16	6.47E-15	RP23-120A4.10
ENSMUSG00000049755.14	720.788511	1.514743314	9.85E-16	6.57E-15	Zfp672
ENSMUSG00000016319.3	9914.618126	-1.425820678	1.00E-15	6.68E-15	Slc25a5
ENSMUSG00000092486.1	1256.923457	2.053741067	1.01E-15	6.74E-15	RP23-3M10.7
ENSMUSG00000063239.17	352.3369957	2.339295902	1.01E-15	6.76E-15	Grm4
ENSMUSG00000078906.9	189.954479	-1.678123554	1.02E-15	6.77E-15	RP23-330D3.1
ENSMUSG00000043153.6	90.80064266	2.272977138	1.05E-15	6.97E-15	Ispd
ENSMUSG00000028397.13	2092.822526	-2.156471382	1.05E-15	6.99E-15	Kdm4c
ENSMUSG00000036632.9	1062.687492	1.407084798	1.07E-15	7.14E-15	Alg5
ENSMUSG00000021245.15	193.3694134	-2.32931681	1.09E-15	7.26E-15	Mlh3
ENSMUSG00000091697.1	1220.140804	-1.327288217	1.09E-15	7.26E-15	Eif3s6-ps2
ENSMUSG00000001494.6	49.62636744	3.303921911	1.11E-15	7.40E-15	Sost
ENSMUSG00000021557.15	1294.483676	2.050660429	1.11E-15	7.40E-15	Agtbbp1
ENSMUSG00000081121.1	928.4120492	1.35622502	1.12E-15	7.44E-15	RP23-27H11.2
ENSMUSG00000050947.9	704.6283214	1.716485225	1.13E-15	7.48E-15	Amigo1
ENSMUSG00000038718.15	3020.509	0.907457312	1.13E-15	7.48E-15	Pbx3
ENSMUSG00000034825.14	117.3824425	2.169131014	1.13E-15	7.52E-15	Nrip3
ENSMUSG00000061013.5	118.4800699	-2.040035328	1.15E-15	7.61E-15	Mkx
ENSMUSG00000102386.1	72.60619753	3.636144932	1.18E-15	7.80E-15	RP23-184113.7
ENSMUSG00000026356.15	5612.81889	-0.883106857	1.19E-15	7.88E-15	Dars
ENSMUSG00000044477.11	2715.285537	1.188969573	1.19E-15	7.88E-15	Zfand3
ENSMUSG00000106755.1	2130.42327	-1.359554545	1.19E-15	7.88E-15	Tpi-rs11
ENSMUSG00000082629.3	53.49129959	3.500878872	1.20E-15	7.94E-15	RP23-95K12.2
ENSMUSG00000050796.4	712.2505742	1.252531524	1.23E-15	8.15E-15	B3galt6
ENSMUSG00000002900.16	4025.304117	-1.965816608	1.23E-15	8.16E-15	Lamb1
ENSMUSG000000025648.18	320.1539237	2.085724806	1.24E-15	8.23E-15	Pfkfb4
ENSMUSG00000115729.1	70.05189095	7.049835646	1.25E-15	8.27E-15	RP24-112I4.1
ENSMUSG00000096936.1	78.12503361	9.661875782	1.26E-15	8.34E-15	RP23-123P10.1
ENSMUSG000000018924.6	114.1581647	-4.111710363	1.26E-15	8.37E-15	Alox15
ENSMUSG00000022556.11	1230.18764	-1.316169799	1.28E-15	8.49E-15	Hsf1
ENSMUSG00000035168.16	1204.679097	-1.913976489	1.30E-15	8.57E-15	Tanc1
ENSMUSG000000020737.12	18377.99232	2.201558686	1.33E-15	8.79E-15	Hn1
ENSMUSG00000032985.15	47.34138405	3.358334689	1.34E-15	8.86E-15	RP23-306I3.1
ENSMUSG00000053219.15	434.8638679	-1.303755696	1.34E-15	8.88E-15	Raet1e
ENSMUSG00000015749.12	9241.595348	-0.972899598	1.34E-15	8.89E-15	Anp32e
ENSMUSG00000032254.10	2882.26428	-1.071170305	1.35E-15	8.91E-15	Kif23
ENSMUSG000000078773.11	506.1127206	-2.093256546	1.35E-15	8.93E-15	Rad54b
ENSMUSG00000105230.1	114.7232825	8.358946934	1.40E-15	9.25E-15	RP24-421E18.5
ENSMUSG00000031004.8	10730.06731	-1.978043411	1.41E-15	9.31E-15	Mki67
ENSMUSG00000108532.1	87.19801444	9.818755952	1.41E-15	9.31E-15	RP23-231J2.1
ENSMUSG00000053550.13	1346.2566	2.800205437	1.41E-15	9.34E-15	Shisa7
ENSMUSG00000031556.6	2088.913275	1.646149606	1.46E-15	9.66E-15	Tm2d2
ENSMUSG00000020658.10	1914.38251	2.201295379	1.47E-15	9.72E-15	Efr3b
ENSMUSG00000030127.15	3668.573679	-0.931619291	1.49E-15	9.81E-15	Cops7a
ENSMUSG00000050668.9	637.5504525	1.059044031	1.49E-15	9.84E-15	Gpatch11
ENSMUSG00000049939.6	488.4734527	2.514190973	1.49E-15	9.85E-15	Lrrc4
ENSMUSG00000086328.1	121.2310067	8.437113793	1.50E-15	9.87E-15	RP23-162G11.1
ENSMUSG00000029999.14	617.7556625	2.177001506	1.50E-15	9.89E-15	Tgfa
ENSMUSG00000080832.4	1120.665398	-1.782447105	1.55E-15	1.02E-14	M6pr-ps
ENSMUSG00000027947.11	66.90665645	2.459212879	1.56E-15	1.03E-14	Il6ra
ENSMUSG000000082674.1	1432.013865	-1.310058444	1.57E-15	1.04E-14	RP23-151N17.1
ENSMUSG00000028211.11	1186.860948	2.122231918	1.58E-15	1.04E-14	Trp53inp1
ENSMUSG00000020368.15	45828.58724	-0.959856195	1.58E-15	1.04E-14	Canx
ENSMUSG00000033170.14	439.3092696	-3.110995116	1.60E-15	1.06E-14	Card10
ENSMUSG00000109362.1	210.8463118	10.13097865	1.61E-15	1.06E-14	RP24-439I22.5
ENSMUSG00000048930.12	1835.160035	0.925637706	1.62E-15	1.06E-14	Tada3
ENSMUSG00000035226.5	275.0301808	2.064453003	1.63E-15	1.07E-14	Rims4
ENSMUSG00000085282.8	73.9161311	7.136508669	1.63E-15	1.07E-14	RP24-69E21.1
ENSMUSG00000036989.16	1060.775102	1.652421021	1.63E-15	1.07E-14	Trim3
ENSMUSG00000054910.5	53.7734411	3.573726885	1.63E-15	1.07E-14	AC127677.1
ENSMUSG00000111947.1	55.78900996	3.164363718	1.65E-15	1.09E-14	RP24-547N4.7
ENSMUSG000000097216.3	46.93959724	3.992380711	1.66E-15	1.09E-14	RP24-235E5.1
ENSMUSG00000097174.2	65.50428329	2.79707794	1.69E-15	1.11E-14	RP24-163M14.6

ENSMUSG00000096826.1	165.7801083	2.294722983	1.70E-15	1.12E-14	Ccl27b
ENSMUSG00000055313.14	209.3734388	-2.132151537	1.72E-15	1.13E-14	Pgbd1
ENSMUSG00000039478.15	1077.588457	1.112342712	1.72E-15	1.13E-14	Micu3
ENSMUSG000000060862.10	823.563675	-1.845130863	1.74E-15	1.14E-14	Zbtb40
ENSMUSG000000108402.1	81.21397368	2.686173311	1.74E-15	1.14E-14	RP23-325D10.4
ENSMUSG00000091383.2	93.99265872	5.037582741	1.75E-15	1.15E-14	RP23-390G1.4
ENSMUSG000000021003.10	771.2085926	1.325609104	1.77E-15	1.16E-14	Galc
ENSMUSG000000057880.12	769.8284618	2.293472195	1.80E-15	1.18E-14	Abat
ENSMUSG000000048915.12	2061.068865	0.984625807	1.81E-15	1.19E-14	Efn5
ENSMUSG00000042992.15	536.2605846	1.759110296	1.83E-15	1.20E-14	Borcs5
ENSMUSG00000096954.1	208.9264594	-4.231084024	1.84E-15	1.21E-14	Gdap10
ENSMUSG000000026335.16	1880.280078	1.674194681	1.85E-15	1.21E-14	Pam
ENSMUSG000000027206.13	6462.384179	-0.927468837	1.91E-15	1.25E-14	Cops2
ENSMUSG00000007656.13	6675.076606	0.839112094	1.92E-15	1.26E-14	Arpp19
ENSMUSG000000029287.14	527.0794464	-2.286510302	1.97E-15	1.29E-14	Tgfb3
ENSMUSG000000049940.7	3094.84514	-0.992676579	1.98E-15	1.29E-14	Pgrmc2
ENSMUSG00000038482.11	4835.277446	-1.431839144	2.03E-15	1.33E-14	Tfdp1
ENSMUSG000000026544.6	84.48121309	3.981193441	2.06E-15	1.35E-14	Dusp23
ENSMUSG000000100337.1	63.0867485	-2.94349517	2.07E-15	1.36E-14	RP23-118M23.7
ENSMUSG000000021830.14	1234.417088	1.799368965	2.08E-15	1.36E-14	Txndc16
ENSMUSG00000001517.14	2538.953371	-1.907562396	2.09E-15	1.36E-14	Foxm1
ENSMUSG000000021621.15	835.2424361	-1.037393064	2.09E-15	1.37E-14	Zcchc9
ENSMUSG000000115738.1	251.7721723	1.580355651	2.10E-15	1.37E-14	RP24-279I22.1
ENSMUSG000000084844.3	77.78189093	7.200863253	2.11E-15	1.38E-14	Hoxb3os
ENSMUSG000000043013.10	98.73268399	2.736694074	2.13E-15	1.39E-14	Onecut1
ENSMUSG000000116180.1	47.28357714	5.725602847	2.17E-15	1.42E-14	RP23-432N1.7
ENSMUSG000000021453.2	77.40339859	2.295635773	2.20E-15	1.44E-14	Gadd45g
ENSMUSG000000084957.2	1532.934326	1.892176659	2.22E-15	1.45E-14	Bbip1
ENSMUSG000000116926.1	152.1871425	-3.507108373	2.22E-15	1.45E-14	RP23-42E2.1
ENSMUSG000000032249.14	9635.67232	-1.482012668	2.25E-15	1.47E-14	Anp32a
ENSMUSG000000090744.7	173.1602034	-3.218110326	2.26E-15	1.47E-14	RP23-147O14.1
ENSMUSG000000038860.15	863.3183054	1.83537831	2.27E-15	1.48E-14	Garnl3
ENSMUSG000000021803.10	285.2879295	2.195156184	2.28E-15	1.49E-14	Cdhr1
ENSMUSG000000108057.1	70.67255211	7.065804238	2.32E-15	1.51E-14	RP23-52D17.5
ENSMUSG000000039456.10	2744.048179	-1.615167228	2.32E-15	1.51E-14	Morc3
ENSMUSG000000085067.2	42.06771221	4.527451464	2.36E-15	1.54E-14	RP23-305C1.1
ENSMUSG000000063698.9	262.0307952	1.809625777	2.39E-15	1.56E-14	Sfxn4
ENSMUSG000000097801.1	70.95943163	7.074962707	2.42E-15	1.57E-14	RP23-454I20.3
ENSMUSG000000090291.2	45.71070733	5.19190004	2.45E-15	1.59E-14	Lrrc10b
ENSMUSG00000015243.4	246.5816564	3.150356615	2.50E-15	1.62E-14	Abca1
ENSMUSG000000072501.5	2443.465081	0.965535307	2.53E-15	1.64E-14	Phf201
ENSMUSG000000033467.12	302.4437088	1.752561559	2.56E-15	1.66E-14	Crlf2
ENSMUSG000000027465.13	1679.91379	1.265600436	2.64E-15	1.72E-14	Tbc1d20
ENSMUSG000000025754.11	77.41000915	-3.072477536	2.65E-15	1.72E-14	Agb1
ENSMUSG000000062991.7	354.371899	2.160255069	2.65E-15	1.73E-14	Nrg1
ENSMUSG000000036727.3	51.63442385	3.568571107	2.67E-15	1.73E-14	Tnfrsf11b
ENSMUSG000000097974.1	45.52400534	4.242439967	2.72E-15	1.76E-14	RP23-152P5.2
ENSMUSG000000106218.1	45.94326726	4.050695412	2.72E-15	1.77E-14	RP23-51N3.3
ENSMUSG000000022150.16	535.5224464	-1.917357759	2.74E-15	1.78E-14	Dab2
ENSMUSG000000116120.1	178.9565643	-2.116733628	2.75E-15	1.78E-14	RP23-428I9.7
ENSMUSG000000096753.7	90.20672678	9.867736739	2.76E-15	1.79E-14	Fam181a
ENSMUSG000000022353.10	2719.936538	1.581986209	2.79E-15	1.81E-14	Mtss1
ENSMUSG000000026784.14	829.9668861	-1.477365648	2.83E-15	1.83E-14	Pdss1
ENSMUSG000000074305.9	1338.240233	-2.640132483	2.87E-15	1.86E-14	Peak1
ENSMUSG000000027887.11	93.10652186	-2.681438782	2.89E-15	1.87E-14	Syp1
ENSMUSG000000000275.16	124.0349316	-2.735224339	2.90E-15	1.88E-14	Trim25
ENSMUSG0000000095159.2	3646.36984	-0.983205125	2.93E-15	1.90E-14	Tubb4b-ps1
ENSMUSG00000001151.10	2752.526675	-2.7360547	2.97E-15	1.92E-14	Pcnt
ENSMUSG000000025223.14	4237.462196	1.121939645	2.97E-15	1.92E-14	Ldb1
ENSMUSG000000032115.14	13223.35968	-1.886562385	2.98E-15	1.93E-14	Hyou1
ENSMUSG000000021264.12	4153.835982	-1.079588284	3.09E-15	2.00E-14	Yy1
ENSMUSG00000012282.2	49.89956644	-3.453331212	3.11E-15	2.01E-14	Wnt8a
ENSMUSG000000040599.13	2455.691151	-0.907916614	3.11E-15	2.01E-14	Mis12
ENSMUSG000000021772.15	510.0756982	1.456057615	3.12E-15	2.02E-14	Nkiras1
ENSMUSG000000025510.14	1768.263563	1.007683704	3.13E-15	2.02E-14	Cd151
ENSMUSG000000029629.17	3925.597238	0.952055898	3.15E-15	2.04E-14	Phf14
ENSMUSG000000101610.1	160.7271662	-1.708135549	3.16E-15	2.04E-14	RP23-334J7.1
ENSMUSG000000058709.11	2581.429156	1.682282079	3.17E-15	2.05E-14	Egln2
ENSMUSG000000063019.5	746.5765159	2.094191453	3.23E-15	2.09E-14	Manbal
ENSMUSG000000115969.1	39.87350685	4.30030437	3.25E-15	2.10E-14	RP24-289J12.3
ENSMUSG000000069049.11	723.9048808	-1.014320594	3.32E-15	2.15E-14	Eif2s3y
ENSMUSG00000014773.13	485.5000801	1.871855436	3.37E-15	2.18E-14	Dll1
ENSMUSG000000113836.1	529.9582444	-2.782707065	3.38E-15	2.19E-14	RP24-231B8.5
ENSMUSG000000110710.1	83.43070952	3.386509915	3.40E-15	2.19E-14	RP24-263E2.3
ENSMUSG000000035697.14	821.775243	-1.612311626	3.45E-15	2.23E-14	Arhgap45
ENSMUSG000000027405.16	12122.83473	-1.330065175	3.46E-15	2.23E-14	Nop56
ENSMUSG000000041375.18	1325.135327	-0.928992474	3.46E-15	2.23E-14	Ccdc9
ENSMUSG000000092390.1	257.0291035	-2.0609005	3.49E-15	2.25E-14	RP24-196M16.1
ENSMUSG000000074994.5	5075.200657	-2.619483893	3.52E-15	2.27E-14	Qser1
ENSMUSG000000044367.7	1027.629144	-1.19367643	3.55E-15	2.29E-14	Slc16a13
ENSMUSG000000042444.10	1276.49009	1.600225805	3.56E-15	2.29E-14	Fam63b
ENSMUSG000000106239.1	4804.325174	-0.968603536	3.57E-15	2.30E-14	RP23-172K2.12
ENSMUSG000000022863.15	1913.301556	-1.476131028	3.61E-15	2.33E-14	Btg3

ENSMUSG00000036923.12	48.29500908	3.402059596	3.62E-15	2.33E-14	Stox1
ENSMUSG00000049107.13	88.00355568	3.073525413	3.63E-15	2.34E-14	Ntf3
ENSMUSG00000069910.2	1298.376775	-1.391836944	3.64E-15	2.34E-14	Spdl1
ENSMUSG00000021814.17	877.7575979	-1.141885953	3.67E-15	2.36E-14	Anxa7
ENSMUSG00000000776.13	1078.543096	-1.078409298	3.75E-15	2.41E-14	Polr3d
ENSMUSG00000035095.11	151.6577855	2.639722071	3.75E-15	2.41E-14	Fam167a
ENSMUSG00000046562.5	2977.986277	-1.168356965	3.75E-15	2.41E-14	Unc119b
ENSMUSG00000034771.15	64.58855918	4.456508546	3.79E-15	2.43E-14	Tle2
ENSMUSG00000012819.15	75.99194025	3.799427922	3.82E-15	2.45E-14	Cdh23
ENSMUSG00000061578.8	465.6063457	3.401949812	3.83E-15	2.46E-14	Ksr2
ENSMUSG00000024812.9	2437.64802	-1.996804541	3.85E-15	2.47E-14	Tjp2
ENSMUSG00000036768.6	2211.117812	-1.062930264	3.90E-15	2.51E-14	Kif15
ENSMUSG00000004113.18	1887.370706	2.983209053	3.93E-15	2.52E-14	Cacna1b
ENSMUSG00000024949.17	9067.334806	-1.596581593	4.00E-15	2.57E-14	Sf1
ENSMUSG00000040455.17	1388.021219	-1.948159973	4.04E-15	2.59E-14	Usp45
ENSMUSG00000038982.10	519.9651906	1.721336882	4.05E-15	2.60E-14	Bloc1s5
ENSMUSG00000019370.10	15017.42145	1.158399932	4.15E-15	2.66E-14	Calm3
ENSMUSG00000023868.16	544.8351663	2.885357145	4.33E-15	2.78E-14	Pde10a
ENSMUSG00000039488.15	54.65035056	4.64681409	4.41E-15	2.83E-14	Cntn5
ENSMUSG00000006179.9	56.80902272	-2.785152726	4.45E-15	2.85E-14	Prss16
ENSMUSG00000050900.5	1182.295864	-1.488327666	4.49E-15	2.88E-14	RP23-267D10.1
ENSMUSG000000110344.1	692.0088224	2.635601759	4.50E-15	2.88E-14	RP23-220F20.2
ENSMUSG00000023066.9	733.7882116	-1.780936749	4.50E-15	2.88E-14	Rttm
ENSMUSG00000036180.15	4630.121099	-1.375961499	4.51E-15	2.89E-14	Gatad2a
ENSMUSG00000093924.1	1312.186361	-1.707416209	4.52E-15	2.89E-14	RP23-331I21.2
ENSMUSG00000033107.5	69.4693429	-3.530140467	4.57E-15	2.93E-14	Rnf125
ENSMUSG00000029602.11	55.2627537	-2.718565826	4.61E-15	2.95E-14	Rasal1
ENSMUSG000000115743.1	374.3002919	-1.345070442	4.71E-15	3.01E-14	RP23-18N3.1
ENSMUSG00000027067.16	14102.52487	-1.103758434	4.71E-15	3.02E-14	Ssrp1
ENSMUSG00000024552.15	62.36812976	6.88722228	4.72E-15	3.02E-14	Slc14a2
ENSMUSG00000027313.3	649.6579586	-1.445221628	4.75E-15	3.04E-14	Chac1
ENSMUSG000000108477.1	48.43298755	4.021373248	4.79E-15	3.06E-14	RP23-179K11.8
ENSMUSG00000048251.15	438.067839	-1.389432611	4.79E-15	3.06E-14	Bcl11b
ENSMUSG00000026104.14	133.4920497	1.689353266	4.83E-15	3.08E-14	Stat1
ENSMUSG00000042613.9	1431.179029	1.399777218	4.83E-15	3.08E-14	Pbxip1
ENSMUSG00000079043.2	479.8040628	-1.245963634	4.83E-15	3.09E-14	Fastkd5
ENSMUSG00000035778.17	360.0484032	-1.812951517	4.85E-15	3.10E-14	Ggta1
ENSMUSG00000046791.8	897.3616527	-1.182511296	4.96E-15	3.17E-14	RP24-185O19.6
ENSMUSG00000047702.2	50.96479757	-3.255903429	4.98E-15	3.18E-14	Olfr1388
ENSMUSG00000024236.18	959.5956331	-2.705652254	4.99E-15	3.18E-14	Svil
ENSMUSG00000016024.9	51.27004241	3.312374384	5.00E-15	3.19E-14	Lbp
ENSMUSG00000027397.14	5530.146255	-0.952620249	5.03E-15	3.21E-14	Slc20a1
ENSMUSG00000086851.1	73.10450642	2.49907311	5.05E-15	3.22E-14	RP23-188H3.3
ENSMUSG00000044991.10	244.2520142	2.02255386	5.07E-15	3.23E-14	RP23-391A14.5
ENSMUSG0000003808.18	3140.253676	-0.856672683	5.11E-15	3.26E-14	Farsa
ENSMUSG00000034765.6	483.7123836	1.466127608	5.16E-15	3.29E-14	Dusp5
ENSMUSG00000040483.15	49.6108257	3.032456577	5.19E-15	3.31E-14	Xaf1
ENSMUSG000000113722.1	84.57126344	3.113192357	5.20E-15	3.31E-14	RP24-132G6.4
ENSMUSG00000072915.3	1042.977021	2.275626518	5.28E-15	3.36E-14	RP23-419P16.7
ENSMUSG00000070461.3	157.1486147	3.022707297	5.32E-15	3.38E-14	RP23-397H18.5
ENSMUSG00000029716.13	53.69550463	3.315335395	5.48E-15	3.49E-14	Tfr2
ENSMUSG00000018736.14	2042.394023	1.283845466	5.53E-15	3.52E-14	Ndel1
ENSMUSG00000020431.5	3652.769731	-2.037853564	5.60E-15	3.56E-14	Adcy1
ENSMUSG00000021485.14	142.1817219	2.169059927	5.62E-15	3.57E-14	Mxd3
ENSMUSG00000031303.8	1013.594442	-2.041866101	5.69E-15	3.62E-14	Map3k15
ENSMUSG000000108607.2	54.13004157	4.766945502	5.71E-15	3.63E-14	RP23-455C13.4
ENSMUSG00000052446.17	1499.20161	-2.064864477	5.85E-15	3.72E-14	Zfp961
ENSMUSG00000026639.18	53.65245064	6.244920622	5.88E-15	3.74E-14	Lamb3
ENSMUSG00000015405.15	71.94358817	9.54134017	5.89E-15	3.74E-14	Ace2
ENSMUSG00000034994.10	85819.61108	-1.062884799	6.00E-15	3.81E-14	Eef2
ENSMUSG00000020886.17	5132.541968	2.027668206	6.05E-15	3.84E-14	Dlg4
ENSMUSG00000001844.10	588.6023193	1.295631085	6.05E-15	3.84E-14	Zdhhc4
ENSMUSG00000078502.10	2178.851498	-2.533812105	6.18E-15	3.92E-14	RP23-285N14.1
ENSMUSG00000026988.15	252.7715892	1.420814355	6.20E-15	3.93E-14	Wdsub1
ENSMUSG00000032000.17	120.9182795	-1.930649812	6.21E-15	3.94E-14	Birc3
ENSMUSG00000039410.16	83.56124951	3.589516532	6.22E-15	3.94E-14	Prdm16
ENSMUSG00000030790.15	67.55195416	-2.95628897	6.24E-15	3.96E-14	Adm
ENSMUSG00000039671.18	4128.583041	-2.014416905	6.27E-15	3.97E-14	Zmynd8
ENSMUSG00000021147.17	2551.385306	1.431032046	6.31E-15	4.00E-14	Wdr37
ENSMUSG00000044211.9	1512.365979	-1.550285835	6.54E-15	4.15E-14	RP24-124B23.7
ENSMUSG000000104031.1	169.9968994	-3.592987186	6.60E-15	4.18E-14	RP23-379F4.1
ENSMUSG000000107118.1	55.26038555	-4.636234734	6.60E-15	4.18E-14	RP23-189N6.2
ENSMUSG00000029250.5	6857.712881	-1.000269791	6.63E-15	4.20E-14	Polr2b
ENSMUSG00000001569.10	2329.792992	-1.046484589	6.66E-15	4.22E-14	Nom1
ENSMUSG00000022686.14	1987.839453	1.098246974	6.69E-15	4.24E-14	B3gnt5
ENSMUSG00000038569.13	211.9584635	1.860962469	6.72E-15	4.25E-14	Rad9b
ENSMUSG00000021692.9	964.7335914	-1.38492186	6.74E-15	4.27E-14	Dimt1
ENSMUSG00000029279.15	124.0662689	2.669024021	6.78E-15	4.28E-14	Brdt
ENSMUSG00000027778.15	999.6536302	-1.323250038	6.78E-15	4.29E-14	lft80
ENSMUSG00000027429.16	3060.633219	-1.234665164	6.87E-15	4.34E-14	Sec23b
ENSMUSG00000094695.1	54.05317596	3.112303708	6.90E-15	4.36E-14	Gm21953
ENSMUSG00000028461.12	996.6249905	2.389310867	6.90E-15	4.36E-14	Ccdc107
ENSMUSG00000003341.9	81.03113687	-2.343782347	6.94E-15	4.38E-14	Atp8b3

ENSMUSG00000092247.2	146.7000217	-2.744344533	7.10E-15	4.48E-14	RP23-141K11.13
ENSMUSG00000029844.9	106.8409916	8.254135731	7.12E-15	4.50E-14	Hoxa1
ENSMUSG00000048772.15	72.74957492	3.854568427	7.16E-15	4.52E-14	Tmem53
ENSMUSG00000036644.15	2032.955127	1.806685538	7.20E-15	4.54E-14	Tbc1d9b
ENSMUSG00000000142.15	907.6991217	2.044550548	7.21E-15	4.55E-14	Axin2
ENSMUSG00000047793.13	302.813822	-2.932414014	7.25E-15	4.57E-14	Sned1
ENSMUSG00000073424.9	61.64051183	3.26247406	7.28E-15	4.59E-14	Cyp4f15
ENSMUSG00000040749.11	1825.039041	-0.902875565	7.32E-15	4.61E-14	Siah1b
ENSMUSG00000026174.9	4269.95972	-0.903439137	7.36E-15	4.64E-14	Rqcd1
ENSMUSG00000063142.15	759.5076043	2.862159249	7.36E-15	4.64E-14	Kcnma1
ENSMUSG00000029710.15	1978.359526	-1.192376861	7.39E-15	4.66E-14	Ephb4
ENSMUSG00000022619.5	3180.23919	1.558282467	7.40E-15	4.66E-14	Mapk8ip2
ENSMUSG00000043587.15	567.2368904	1.599790223	7.55E-15	4.75E-14	Pxylp1
ENSMUSG00000104642.1	548.0104019	-1.270163654	7.61E-15	4.79E-14	RP23-404J7.8
ENSMUSG00000033998.9	550.8024561	-1.381919516	7.76E-15	4.88E-14	Kcnk1
ENSMUSG00000106496.1	214.5313217	-1.604019256	7.80E-15	4.91E-14	RP23-112A11.3
ENSMUSG00000032026.7	1394.974041	-1.155622771	7.86E-15	4.94E-14	Rexo2
ENSMUSG00000056214.8	950.5727389	1.153945841	7.86E-15	4.94E-14	Pard6g
ENSMUSG00000015013.9	1545.807859	2.624586479	7.88E-15	4.96E-14	Trappc2l
ENSMUSG00000025935.10	3054.266865	-0.929339915	7.95E-15	5.00E-14	Tram1
ENSMUSG00000053214.7	60.37164438	6.837544525	7.95E-15	5.00E-14	RP23-224J9.3
ENSMUSG00000085767.1	176.6824934	2.78448875	8.08E-15	5.08E-14	RP23-306D20.7
ENSMUSG00000001175.14	15755.29532	1.309675761	8.12E-15	5.10E-14	Calm1
ENSMUSG00000051278.12	1647.353265	-1.489323351	8.17E-15	5.13E-14	Zgrf1
ENSMUSG00000005846.12	10641.08084	-1.188885687	8.28E-15	5.20E-14	Rsl1d1
ENSMUSG00000004891.16	6802.333228	1.396380411	8.40E-15	5.28E-14	Nes
ENSMUSG00000026819.15	1162.34819	0.952129681	8.51E-15	5.34E-14	Slc25a25
ENSMUSG00000026730.12	208.8886886	-1.634872466	8.52E-15	5.35E-14	Pter
ENSMUSG00000041346.11	543.4296368	-1.23359604	8.70E-15	5.46E-14	Wrap53
ENSMUSG00000025271.13	509.7691989	-1.155451143	8.74E-15	5.49E-14	Pfkfb1
ENSMUSG00000045008.1	60.54720454	4.383175808	8.76E-15	5.49E-14	9030612E09Rik
ENSMUSG00000108943.1	110.6201179	10.16268961	8.80E-15	5.51E-14	RP24-439I22.6
ENSMUSG00000028447.11	2882.607229	2.219832389	8.87E-15	5.56E-14	Dctn3
ENSMUSG00000022682.8	4933.354073	-0.884672766	8.93E-15	5.60E-14	Rrn3
ENSMUSG00000034190.9	2983.59945	0.89586781	8.95E-15	5.61E-14	Chmp7
ENSMUSG00000018347.16	655.5434137	1.259491535	9.04E-15	5.66E-14	Zkscan6
ENSMUSG00000025939.17	1269.683239	0.982656106	9.07E-15	5.68E-14	Ube2w
ENSMUSG000000067825.11	931.1979839	1.661325026	9.09E-15	5.69E-14	Pex26
ENSMUSG000000060771.14	180.0632082	1.627703058	9.10E-15	5.70E-14	Tsga10
ENSMUSG000000068587.9	52.52102423	-4.708553363	9.10E-15	5.70E-14	Mgam
ENSMUSG000000043190.14	446.1563883	1.562698044	9.16E-15	5.73E-14	Rfesd
ENSMUSG00000113621.1	89.29853386	3.639472677	9.23E-15	5.77E-14	RP23-442I5.6
ENSMUSG00000029153.11	74.50560008	2.281425737	9.31E-15	5.82E-14	Ociad2
ENSMUSG000000082951.1	260.8886173	-1.521175212	9.36E-15	5.85E-14	RP23-125H15.5
ENSMUSG000000058317.12	1077.271294	1.342544243	9.37E-15	5.86E-14	Ube2e2
ENSMUSG000000034667.8	5843.802695	-1.437071425	9.40E-15	5.87E-14	Xpot
ENSMUSG00000020063.16	2741.931244	-1.785903586	9.56E-15	5.97E-14	Sirt1
ENSMUSG00000061313.8	1459.247598	1.153132688	9.70E-15	6.06E-14	Ddhd2
ENSMUSG00000112926.1	9707.262302	1.715260374	9.71E-15	6.07E-14	RP24-91J7.1
ENSMUSG00000021483.8	275.0817151	1.59168276	9.81E-15	6.12E-14	Cdk20
ENSMUSG00000028383.17	661.1765109	1.380606104	9.81E-15	6.12E-14	Hsd12
ENSMUSG00000040714.14	179.1861958	-2.349763924	9.89E-15	6.17E-14	Klc3
ENSMUSG00000020871.8	121.5027734	-2.118563489	9.91E-15	6.18E-14	Dlx4
ENSMUSG00000069045.11	1089.027499	-1.578573346	9.96E-15	6.21E-14	Ddx3y
ENSMUSG00000043099.4	62.23081032	-2.664265439	1.01E-14	6.32E-14	Hic1
ENSMUSG00000041544.11	389.3927363	2.63273341	1.02E-14	6.37E-14	Ptchd2
ENSMUSG000000038540.14	41.98067397	-4.748617707	1.02E-14	6.37E-14	Tmc3
ENSMUSG00000027823.9	9780.181478	-0.984439032	1.02E-14	6.38E-14	Gmps
ENSMUSG00000038848.14	4485.152787	-1.147438946	1.03E-14	6.44E-14	Ythdf1
ENSMUSG000000020024.7	1896.188853	-1.271373754	1.05E-14	6.54E-14	Cep83
ENSMUSG00000066232.4	11453.26835	-2.003937574	1.06E-14	6.60E-14	Ipo7
ENSMUSG00000061458.9	2433.423353	-1.409811279	1.06E-14	6.62E-14	Nol10
ENSMUSG00000078867.9	806.9569904	-1.166364024	1.06E-14	6.62E-14	RP23-67E6.3
ENSMUSG00000079460.11	51.60344576	-3.73260432	1.07E-14	6.67E-14	RP23-466J17.1
ENSMUSG00000040860.16	1514.543486	-1.700485288	1.07E-14	6.67E-14	Crocc
ENSMUSG00000019731.13	2432.742662	-0.995470965	1.08E-14	6.73E-14	Slc35e1
ENSMUSG00000071237.4	156.4719739	-1.884801975	1.09E-14	6.75E-14	RP23-349K15.1
ENSMUSG000000038011.15	77.06619506	4.189156056	1.10E-14	6.81E-14	Dnah10
ENSMUSG00000102649.1	46.4297545	4.168610749	1.10E-14	6.82E-14	RP23-261I0.5
ENSMUSG00000036853.5	154.5930468	-1.910983695	1.10E-14	6.84E-14	Mcoln3
ENSMUSG000000031376.15	98.63598565	4.857484495	1.10E-14	6.85E-14	Atp2b3
ENSMUSG00000030880.14	1795.901765	-1.513905549	1.11E-14	6.88E-14	Polr3e
ENSMUSG00000059708.12	1134.619223	1.229912816	1.12E-14	6.98E-14	Akap17b
ENSMUSG00000040276.15	205.709094	2.508310859	1.13E-14	7.01E-14	Pacsin1
ENSMUSG000000026123.11	1177.844578	1.523232	1.15E-14	7.14E-14	Plekhh2
ENSMUSG00000056468.3	67.36707837	9.447481062	1.15E-14	7.14E-14	5730596B20Rik
ENSMUSG00000040751.12	92.39728848	2.407182703	1.15E-14	7.16E-14	Lat2
ENSMUSG00000072770.9	203.8218126	1.484000957	1.15E-14	7.16E-14	Acrbp
ENSMUSG000000031976.14	3048.606942	-2.249424249	1.16E-14	7.17E-14	Urb2
ENSMUSG00000042590.16	3314.68392	-1.221751142	1.16E-14	7.20E-14	Ipo11
ENSMUSG00000024854.3	148.1385753	2.51555662	1.17E-14	7.24E-14	Pold4
ENSMUSG000000026810.12	1043.14715	1.480791899	1.17E-14	7.28E-14	Dpm2
ENSMUSG00000034024.8	25383.8235	-0.927014698	1.18E-14	7.33E-14	Cct2

ENSMUSG00000025153.9	39119.40354	-2.127872992	1.18E-14	7.33E-14	Fasn
ENSMUSG00000028156.12	7320.343029	-0.800701132	1.18E-14	7.33E-14	Eif4e
ENSMUSG00000093594.1	372.5539882	-1.310693747	1.19E-14	7.35E-14	RP23-406N5.8
ENSMUSG00000063884.6	4628.58556	-1.050128113	1.20E-14	7.42E-14	Ptcd3
ENSMUSG00000027849.18	82.702325	3.19580687	1.20E-14	7.44E-14	Syt6
ENSMUSG00000028517.8	478.7972921	1.193741753	1.22E-14	7.53E-14	Pipp3
ENSMUSG00000028295.14	420.265731	1.965642617	1.22E-14	7.57E-14	Smim8
ENSMUSG00000019173.11	4683.479578	0.825838295	1.23E-14	7.59E-14	Rab5c
ENSMUSG00000040220.10	1057.064653	1.226632094	1.23E-14	7.60E-14	Gas8
ENSMUSG00000030170.14	396.5961788	1.475776725	1.24E-14	7.65E-14	Wnt5b
ENSMUSG00000103364.1	82.55500833	3.258068705	1.25E-14	7.70E-14	RP23-87D8.4
ENSMUSG00000026821.15	1525.219927	2.245274129	1.30E-14	8.03E-14	Ralgds
ENSMUSG00000039697.16	619.6970093	1.430959948	1.31E-14	8.07E-14	Ncoa7
ENSMUSG00000083681.1	263.0164799	-2.477571739	1.32E-14	8.13E-14	RP24-330H24.1
ENSMUSG00000038524.13	433.6813994	1.683502127	1.34E-14	8.29E-14	Fchsdl
ENSMUSG00000046589.7	40.91226729	-3.210812125	1.36E-14	8.37E-14	Lrrc8e
ENSMUSG00000058254.12	5222.705651	0.811215436	1.36E-14	8.39E-14	Tspan7
ENSMUSG00000070867.4	182.9378909	1.565741633	1.37E-14	8.46E-14	Trabd2b
ENSMUSG00000103715.1	83.98926341	2.852179273	1.38E-14	8.50E-14	RP23-58N8.6
ENSMUSG00000030301.17	1410.107578	1.082801727	1.40E-14	8.62E-14	Ccdc91
ENSMUSG00000062867.13	6585.64116	-1.499358578	1.40E-14	8.64E-14	Impdh2
ENSMUSG00000115057.1	177.7332623	-1.857896335	1.41E-14	8.70E-14	RP24-273F21.2
ENSMUSG00000037703.14	593.3692473	2.35696009	1.42E-14	8.74E-14	Lzts3
ENSMUSG00000020048.13	36128.24604	-1.133341441	1.43E-14	8.81E-14	Hsp90b1
ENSMUSG00000086224.8	64.21051906	9.377474186	1.43E-14	8.84E-14	RP24-257J5.1
ENSMUSG00000095300.1	55.52465328	-9.340543581	1.45E-14	8.93E-14	RP23-131P21.1
ENSMUSG00000019845.8	491.347452	-1.156319922	1.52E-14	9.35E-14	Tube1
ENSMUSG00000033075.17	1982.356177	-1.728205713	1.52E-14	9.36E-14	Senp1
ENSMUSG00000029414.11	2051.221441	-2.332979911	1.53E-14	9.39E-14	Kntc1
ENSMUSG00000049999.4	48.86447067	2.958885108	1.58E-14	9.72E-14	Ppp1r3d
ENSMUSG00000053441.4	236.0290538	-2.356811369	1.62E-14	9.95E-14	Adamts19
ENSMUSG00000062070.12	18872.3657	-1.720453553	1.64E-14	1.01E-13	Pgk1
ENSMUSG00000046442.4	1940.798518	2.516202568	1.65E-14	1.02E-13	Ppm1e
ENSMUSG00000094566.1	1324.344404	-1.700361929	1.67E-14	1.03E-13	RP23-331I21.16
ENSMUSG00000039552.14	54.91209132	4.664928061	1.68E-14	1.03E-13	Rsph4a
ENSMUSG00000099632.1	87.96336197	3.969500163	1.68E-14	1.03E-13	RP23-117O11.4
ENSMUSG00000105928.1	181.5256315	-2.508275484	1.68E-14	1.03E-13	RP23-172K2.4
ENSMUSG0000000531.5	206.8973282	-1.425602991	1.68E-14	1.03E-13	Grasp
ENSMUSG00000076252.1	55.62687085	-9.34403904	1.70E-14	1.04E-13	Mir302b
ENSMUSG00000045871.5	318.049263	-2.52383111	1.71E-14	1.05E-13	Slitrk6
ENSMUSG00000028107.14	1864.298569	-0.916915893	1.72E-14	1.06E-13	Tars2
ENSMUSG00000034858.16	752.913296	2.506502587	1.73E-14	1.06E-13	Fam214a
ENSMUSG00000103442.5	119.12961	3.762864419	1.77E-14	1.09E-13	Pcdha1
ENSMUSG00000029718.14	358.9733905	-1.213377685	1.78E-14	1.09E-13	Pcolce
ENSMUSG00000026274.11	1283.294444	-1.228991825	1.80E-14	1.11E-13	Pask
ENSMUSG00000004591.16	4714.056627	-2.008788323	1.83E-14	1.12E-13	Pkn2
ENSMUSG00000074129.14	2326.113226	-1.952765231	1.84E-14	1.13E-13	Rpl13a
ENSMUSG00000061740.8	78.59317119	-2.363912277	1.85E-14	1.13E-13	Cyp2d22
ENSMUSG00000072494.7	51.6852997	4.44006338	1.86E-14	1.14E-13	Ppp1r3e
ENSMUSG0000005983.15	110.309885	2.897201151	1.90E-14	1.17E-13	RP23-312H15.5
ENSMUSG00000028373.16	315.6904462	2.685594894	1.91E-14	1.17E-13	Astn2
ENSMUSG00000046295.13	265.328478	-1.368870598	1.93E-14	1.18E-13	Ankle1
ENSMUSG00000049357.11	43.52326921	3.238323527	1.99E-14	1.22E-13	AC074335.4
ENSMUSG00000057691.8	497.2126573	1.762423843	1.99E-14	1.22E-13	Zfp746
ENSMUSG00000034683.12	62.77850705	9.350068261	1.99E-14	1.22E-13	Ppp1r1c
ENSMUSG00000045591.6	42.02357954	3.547864105	2.02E-14	1.24E-13	Olig3
ENSMUSG00000031431.13	3439.837422	1.751095337	2.03E-14	1.24E-13	Tsc22d3
ENSMUSG00000027193.12	6707.990966	-1.470182267	2.07E-14	1.26E-13	Api5
ENSMUSG00000026047.13	1359.459517	-1.892666716	2.08E-14	1.27E-13	Kdelc1
ENSMUSG00000030868.6	2452.132335	1.012607057	2.08E-14	1.27E-13	Dctn5
ENSMUSG00000017478.15	3645.621933	-1.469611738	2.08E-14	1.27E-13	Zc3h18
ENSMUSG00000022255.16	11425.61424	-1.388968503	2.09E-14	1.28E-13	Mtdh
ENSMUSG00000091474.2	1460.063366	-2.023011154	2.10E-14	1.28E-13	RP23-147O14.2
ENSMUSG00000021721.5	120.4930758	9.32596615	2.10E-14	1.28E-13	Htra1a
ENSMUSG00000029363.14	2514.49662	-1.055293556	2.11E-14	1.29E-13	Rfc5
ENSMUSG00000033096.7	1318.361646	0.96123791	2.12E-14	1.30E-13	Apmap
ENSMUSG00000108702.1	2270.625418	-0.975654083	2.13E-14	1.30E-13	RP24-427A8.1
ENSMUSG00000024835.14	2424.725111	1.047418467	2.13E-14	1.30E-13	Coro1b
ENSMUSG00000046159.16	105.3383948	8.230375841	2.14E-14	1.30E-13	Chrm3
ENSMUSG00000030602.13	1282.590355	-1.097572916	2.15E-14	1.31E-13	Pak4
ENSMUSG00000097080.7	116.2077217	2.623195856	2.16E-14	1.32E-13	1700086O06Rik
ENSMUSG00000093677.1	69.17465221	2.438854365	2.18E-14	1.33E-13	RP23-102L5.1
ENSMUSG00000016763.15	543.6571551	2.976485645	2.18E-14	1.33E-13	Scube1
ENSMUSG00000040726.10	38.79775056	-3.958382524	2.19E-14	1.33E-13	Hex3
ENSMUSG00000022420.16	696.1512373	1.049954525	2.21E-14	1.35E-13	Dnal4
ENSMUSG00000102215.1	51.36070096	4.118596133	2.23E-14	1.36E-13	RP23-333L19.2
ENSMUSG00000038721.8	101.6892409	8.181342202	2.23E-14	1.36E-13	Hoxb7
ENSMUSG00000024211.15	75.98951711	2.342318442	2.24E-14	1.36E-13	Grm8
ENSMUSG000000061601.15	1201.266563	2.793919603	2.30E-14	1.40E-13	Pclo
ENSMUSG00000096740.8	351.8649153	-1.519493211	2.33E-14	1.42E-13	Lbhd1
ENSMUSG00000087658.2	45.97889392	5.684331137	2.33E-14	1.42E-13	Hotairm1
ENSMUSG00000042734.6	367.5148192	2.637788467	2.38E-14	1.45E-13	Ttc9
ENSMUSG00000042579.2	253.3342989	1.58795964	2.44E-14	1.48E-13	RP24-122I22.2

ENSMUSG00000031585.13	2761.973602	-1.323387364	2.47E-14	1.50E-13	Gtf2e2
ENSMUSG00000089628.1	1062.659362	-0.990851938	2.47E-14	1.50E-13	AC134411.3
ENSMUSG00000050541.14	63.81275022	9.373712202	2.50E-14	1.52E-13	Adra1b
ENSMUSG00000032425.15	798.2464118	1.142251783	2.50E-14	1.52E-13	Zfp949
ENSMUSG00000055567.18	661.6720972	2.412718386	2.51E-14	1.52E-13	Unc80
ENSMUSG00000071234.3	80.24805887	3.703711567	2.52E-14	1.53E-13	Syndig1l
ENSMUSG00000061132.13	34.47532088	-4.004791082	2.57E-14	1.56E-13	Blink
ENSMUSG00000024421.16	50.79102687	-2.930407589	2.58E-14	1.57E-13	Lama3
ENSMUSG00000049811.16	118.8977913	2.126966848	2.62E-14	1.59E-13	Fam161a
ENSMUSG00000001802.16	1506.056577	2.015756435	2.63E-14	1.60E-13	Lrp3
ENSMUSG00000044224.16	2105.635981	-1.370304363	2.63E-14	1.60E-13	Dnajc21
ENSMUSG000000093874.1	94.23136206	-1.920303154	2.63E-14	1.60E-13	Gm24539
ENSMUSG00000064215.13	65.27361848	6.942207727	2.65E-14	1.61E-13	Ifi27
ENSMUSG00000030838.18	34.21341058	-4.149325816	2.66E-14	1.61E-13	Ush1c
ENSMUSG00000022836.11	109.0920598	2.619383996	2.66E-14	1.61E-13	Myk
ENSMUSG00000109162.1	69.77699222	6.025133712	2.68E-14	1.62E-13	RP23-122E16.2
ENSMUSG00000027534.16	1013.761365	1.038087359	2.71E-14	1.64E-13	Snx16
ENSMUSG00000053801.18	2917.91602	-1.776123601	2.71E-14	1.64E-13	Grwd1
ENSMUSG00000021611.9	610.672712	-2.916433728	2.77E-14	1.68E-13	Tert
ENSMUSG00000116561.1	367.9402659	-1.392460633	2.77E-14	1.68E-13	RP23-472F15.7
ENSMUSG0000008226.14	281.613217	-1.31560634	2.78E-14	1.68E-13	Scrn3
ENSMUSG00000058440.14	1546.129617	-0.95367801	2.78E-14	1.68E-13	Nrf1
ENSMUSG00000078853.8	171.2617285	1.768279784	2.81E-14	1.70E-13	Igtp
ENSMUSG00000068115.13	944.8596408	-2.34096518	2.82E-14	1.71E-13	Ninl
ENSMUSG00000022899.9	39.59478392	4.963364872	2.83E-14	1.71E-13	Slc15a2
ENSMUSG00000032041.15	408.7174924	-1.150626752	2.85E-14	1.72E-13	Tirap
ENSMUSG00000030435.16	8702.586326	-1.220863892	2.85E-14	1.72E-13	U2af2
ENSMUSG00000037681.13	144.2863682	-1.704548887	2.86E-14	1.73E-13	Esyt3
ENSMUSG00000014813.9	493.2796864	-1.605616555	2.88E-14	1.74E-13	Stc1
ENSMUSG00000020122.16	312.9909767	-2.041077793	2.95E-14	1.78E-13	Egfr
ENSMUSG00000030199.16	1571.593737	-1.64038523	2.97E-14	1.79E-13	Etv6
ENSMUSG00000025894.11	2127.362916	-1.175122455	3.04E-14	1.84E-13	Aasdhpt
ENSMUSG00000081483.1	138.8966834	-1.718308234	3.05E-14	1.84E-13	RP23-423O7.3
ENSMUSG00000026229.17	9632.468844	-0.782368315	3.07E-14	1.85E-13	Psmc1
ENSMUSG00000113996.1	388.9895455	-1.366966695	3.19E-14	1.92E-13	RP23-320111.6
ENSMUSG00000039908.14	259.6113064	-1.446855858	3.21E-14	1.94E-13	Slc26a11
ENSMUSG00000028031.6	36.48815598	4.854234881	3.22E-14	1.94E-13	Dkk2
ENSMUSG000000024589.16	1944.58716	1.907584493	3.23E-14	1.95E-13	Nedd4l
ENSMUSG0000008822.15	614.911063	2.450912682	3.32E-14	2.00E-13	Acyp1
ENSMUSG00000094278.1	1223.720966	-1.68681661	3.34E-14	2.01E-13	RP23-331I21.10
ENSMUSG00000061887.14	6823.294174	0.957036984	3.39E-14	2.04E-13	Ssbp3
ENSMUSG00000025613.13	24352.43972	-1.134235877	3.40E-14	2.05E-13	Cct8
ENSMUSG00000094111.1	2365.04434	-1.063033152	3.41E-14	2.06E-13	Nutf2-ps2
ENSMUSG00000060969.9	52.67089285	2.983497793	3.44E-14	2.07E-13	Irx1
ENSMUSG00000000787.12	32951.6027	-1.428986739	3.49E-14	2.10E-13	Ddx3x
ENSMUSG00000025733.17	940.655336	-1.036383452	3.52E-14	2.12E-13	Rhot2
ENSMUSG00000043999.6	90.73599862	3.037077523	3.56E-14	2.14E-13	Gpr75
ENSMUSG00000056383.10	581.0164552	-1.145157428	3.59E-14	2.16E-13	RP24-269A16.1
ENSMUSG00000028820.13	15950.10343	-1.217792086	3.60E-14	2.16E-13	Sfpq
ENSMUSG00000006311.8	41.06137765	-5.056520366	3.61E-14	2.17E-13	Etv2
ENSMUSG00000021895.10	382.6114349	-2.022897487	3.61E-14	2.17E-13	Arhgef3
ENSMUSG00000028868.13	2459.822706	-2.313832776	3.62E-14	2.18E-13	Wasf2
ENSMUSG00000040329.14	33.57539363	-4.716538751	3.63E-14	2.18E-13	Ii7
ENSMUSG00000026843.15	3372.968204	-1.378764023	3.65E-14	2.19E-13	Fubp3
ENSMUSG00000036086.16	850.7984126	-1.387080208	3.70E-14	2.22E-13	Zranb3
ENSMUSG00000048261.6	839.1742056	-1.551689474	3.70E-14	2.22E-13	AC171404.1
ENSMUSG00000027709.9	878.9029101	-1.193402022	3.74E-14	2.24E-13	Mccc1
ENSMUSG00000021239.12	43.07293594	-5.5483935	3.74E-14	2.25E-13	Vsx2
ENSMUSG00000044252.17	1060.454354	1.007319156	3.78E-14	2.27E-13	Osbp1a
ENSMUSG00000033233.17	401.3486964	1.127263226	3.88E-14	2.33E-13	Trim45
ENSMUSG00000030638.13	929.3470882	1.3098203	3.89E-14	2.33E-13	Sh3gl3
ENSMUSG00000090386.10	69.13231892	7.02150977	3.91E-14	2.34E-13	Mir99ahg
ENSMUSG00000048001.7	69.83313564	3.324687792	3.98E-14	2.38E-13	Hes5
ENSMUSG00000022533.14	7569.618789	-2.078920804	4.01E-14	2.40E-13	Atp13a3
ENSMUSG00000043398.5	170.2451367	2.3175367	4.08E-14	2.45E-13	Gpr135
ENSMUSG00000037104.8	791.444564	1.253446058	4.14E-14	2.48E-13	Socs5
ENSMUSG00000093978.1	1240.318505	-1.692546629	4.14E-14	2.48E-13	RP23-331I21.14
ENSMUSG00000002058.13	1678.963127	1.872328876	4.18E-14	2.50E-13	Unc119
ENSMUSG00000062078.14	6216.315708	-1.427221933	4.19E-14	2.51E-13	Qk
ENSMUSG00000052848.7	71.66190347	2.236674806	4.20E-14	2.51E-13	RP24-572L22.1
ENSMUSG00000023036.14	204.6745569	4.714056298	4.25E-14	2.54E-13	Pcdhgc4
ENSMUSG00000046573.7	619.3731035	2.053307758	4.26E-14	2.55E-13	Lymr4
ENSMUSG00000091594.2	141.1419985	-3.801602388	4.30E-14	2.57E-13	RP23-467K15.1
ENSMUSG00000094918.3	50.76249095	-9.210709069	4.38E-14	2.62E-13	RP23-300N8.1
ENSMUSG00000080929.1	361.7513648	-1.596470048	4.47E-14	2.68E-13	RP23-121J14.2
ENSMUSG00000083242.1	47.0119227	-3.252798008	4.48E-14	2.68E-13	AC101299.2
ENSMUSG00000030729.17	3174.933836	1.019675695	4.49E-14	2.69E-13	Pgm2l1
ENSMUSG00000042622.14	335.0168833	-1.288417944	4.62E-14	2.76E-13	Maff
ENSMUSG00000104103.1	228.4744398	1.996977981	4.62E-14	2.76E-13	RP23-404D8.10
ENSMUSG00000020333.17	1055.379064	2.143977721	4.64E-14	2.77E-13	Acsl6
ENSMUSG00000060512.7	111.419245	-1.768657714	4.68E-14	2.79E-13	RP23-192C21.1
ENSMUSG0000006456.10	1776.646694	-1.146338328	4.70E-14	2.81E-13	Rbm14
ENSMUSG00000105095.1	70.37135883	2.30103844	4.71E-14	2.81E-13	RP23-111M12.3

ENSMUSG00000060441.15	83.2067777	-2.266704478	4.78E-14	2.86E-13	Trim5
ENSMUSG00000040490.4	88.2345479	7.980125498	4.82E-14	2.87E-13	Lrnf2
ENSMUSG00000047161.12	39.20274936	5.195017552	4.83E-14	2.88E-13	Chst9
ENSMUSG00000046707.9	4337.843427	-1.19136411	4.88E-14	2.91E-13	Csnk2a2
ENSMUSG00000038563.14	984.1100111	-1.326713706	4.90E-14	2.92E-13	Efl1
ENSMUSG00000066233.6	201.2939987	2.160357209	4.94E-14	2.95E-13	Tmem42
ENSMUSG00000023243.9	661.5855765	-1.542607562	5.05E-14	3.01E-13	Kcnk5
ENSMUSG00000035007.5	1502.958185	1.060193483	5.05E-14	3.01E-13	Rundc1
ENSMUSG00000023039.17	57.99936333	9.230273337	5.08E-14	3.03E-13	Krt7
ENSMUSG00000024511.15	36.48297816	4.856241201	5.11E-14	3.04E-13	Rab27b
ENSMUSG00000091900.2	1540.1424	-1.024959181	5.13E-14	3.06E-13	Gm4353
ENSMUSG00000038178.16	2535.490626	1.722468983	5.15E-14	3.07E-13	Slc43a2
ENSMUSG00000067786.16	49.84928692	5.811548176	5.16E-14	3.07E-13	Nnat
ENSMUSG00000018574.14	1336.591898	1.173237581	5.21E-14	3.10E-13	Acadvl
ENSMUSG00000036800.8	78.08654677	9.664839787	5.28E-14	3.14E-13	Fam135b
ENSMUSG00000032555.10	5793.336518	-1.807482326	5.38E-14	3.20E-13	Topbp1
ENSMUSG00000047787.7	137.7512959	1.703112671	5.39E-14	3.20E-13	Flrt1
ENSMUSG00000109336.1	2843.601174	-0.849330378	5.39E-14	3.21E-13	Samd4b
ENSMUSG00000100164.1	233.7754883	2.822067986	5.40E-14	3.21E-13	RP24-467O4.1
ENSMUSG00000097772.7	932.6354612	-1.039518013	5.48E-14	3.26E-13	RP23-325M7.3
ENSMUSG00000002372.8	4010.262003	-0.806506007	5.52E-14	3.28E-13	Ranbp3
ENSMUSG00000028330.8	6875.314956	-0.780137882	5.59E-14	3.32E-13	Ncbp1
ENSMUSG000000086316.8	2206.451461	2.210287509	5.59E-14	3.32E-13	RP23-106P7.2
ENSMUSG00000042489.15	2058.330837	-1.736102762	5.72E-14	3.40E-13	Clspn
ENSMUSG00000098720.1	48.52918884	6.087572955	5.76E-14	3.42E-13	RP23-148P22.2
ENSMUSG00000053093.16	86.54086244	2.987498724	5.85E-14	3.47E-13	Myh7
ENSMUSG00000041995.8	931.1282398	1.548521629	5.85E-14	3.48E-13	Zbed3
ENSMUSG00000038146.7	1289.148534	-2.773061755	5.87E-14	3.48E-13	Notch3
ENSMUSG00000105559.1	47.80201286	-4.076834342	5.89E-14	3.50E-13	RP23-465M13.2
ENSMUSG00000085525.7	321.890911	-1.635808848	5.99E-14	3.56E-13	RP23-383I4.10
ENSMUSG00000103047.1	73.74868434	-4.08198225	6.05E-14	3.59E-13	RP24-367P22.1
ENSMUSG00000113007.1	50.59934116	-9.207240174	6.09E-14	3.61E-13	RP23-47D6.3
ENSMUSG00000020844.6	3869.56839	1.235723153	6.14E-14	3.64E-13	Nxn
ENSMUSG000000029701.15	4127.905031	-1.507844165	6.13E-14	3.64E-13	Rbm28
ENSMUSG000000019890.4	125.1745539	9.377204282	6.20E-14	3.67E-13	Nts
ENSMUSG00000015882.17	1118.003603	1.742251909	6.20E-14	3.67E-13	Lcorl
ENSMUSG00000021820.18	2923.918055	1.305587528	6.22E-14	3.69E-13	Camk2g
ENSMUSG000000018326.9	14737.03103	0.841511898	6.27E-14	3.71E-13	Ywhab
ENSMUSG00000078872.9	152.3368801	-1.737174376	6.29E-14	3.72E-13	RP23-360A2.3
ENSMUSG00000105895.1	50.20931018	4.409783869	6.32E-14	3.74E-13	RP23-407I6.2
ENSMUSG00000046999.2	237.5163186	1.506387047	6.35E-14	3.76E-13	RP24-399B3.5
ENSMUSG000000089768.2	93.0600089768.2	2.400712831	6.40E-14	3.79E-13	Tmsb15b1
ENSMUSG00000028933.11	728.8279364	-1.825989835	6.49E-14	3.84E-13	Xrcc2
ENSMUSG00000001334.9	219.5605036	1.592406673	6.51E-14	3.85E-13	Fndc5
ENSMUSG00000048406.5	95.27157828	2.443314149	6.55E-14	3.87E-13	B330016D10Rik
ENSMUSG00000102298.1	160.7319714	-2.22944021	6.62E-14	3.91E-13	RP24-549O22.3
ENSMUSG00000021023.14	728.1274703	-1.184057317	6.64E-14	3.92E-13	RP24-93H15.3
ENSMUSG00000022101.6	46.25156742	6.02724789	6.81E-14	4.03E-13	Fgf17
ENSMUSG00000054619.7	346.1771937	-1.147257559	6.94E-14	4.10E-13	Mettl7a1
ENSMUSG00000097316.2	36.57405688	4.658625532	7.09E-14	4.19E-13	CAAA01201205.3
ENSMUSG00000018189.12	2089.199507	-1.107956946	7.18E-14	4.24E-13	Uchl5
ENSMUSG00000053644.13	2215.400737	-0.844613813	7.18E-14	4.24E-13	Aldh7a1
ENSMUSG000000022973.18	2070.195042	1.969721459	7.35E-14	4.34E-13	Synj1
ENSMUSG00000054385.14	35.20504589	-5.486935416	7.36E-14	4.34E-13	Ceacam2
ENSMUSG00000107741.2	142.3007513	2.199709028	7.43E-14	4.38E-13	RP23-200C3.7
ENSMUSG00000019210.10	8318.121468	1.380735709	7.47E-14	4.40E-13	Atp6v1e1
ENSMUSG00000090641.2	155.2959668	2.19888462	7.51E-14	4.43E-13	Zfp712
ENSMUSG00000058656.13	328.0769284	2.50120573	7.52E-14	4.43E-13	Samd12
ENSMUSG00000035131.14	93.27457594	8.05872378	7.59E-14	4.48E-13	Brinp3
ENSMUSG000000021890.6	2763.544472	-1.633954011	7.62E-14	4.49E-13	Eaf1
ENSMUSG00000018238.6	37.74258351	3.850927651	7.66E-14	4.51E-13	Gdf9
ENSMUSG00000057914.15	301.6453328	-1.387969816	7.69E-14	4.53E-13	Cacnb2
ENSMUSG00000030357.10	30459.11373	-1.396445046	7.75E-14	4.56E-13	Fkbp4
ENSMUSG00000030030.5	46.54931916	6.040910452	7.76E-14	4.57E-13	RP23-321M22.3
ENSMUSG00000007594.10	131.3828528	-3.766533507	7.79E-14	4.59E-13	Hapln4
ENSMUSG00000046532.8	98.60943125	-2.057665903	7.85E-14	4.62E-13	Ar
ENSMUSG00000026116.11	6911.313201	-2.234444625	7.93E-14	4.67E-13	Tmem131
ENSMUSG00000025035.8	1996.032973	2.04498214	7.97E-14	4.69E-13	Arl3
ENSMUSG00000084071.1	144.9596969	-1.751640444	8.04E-14	4.73E-13	RP23-442K5.3
ENSMUSG00000109870.1	64.24243692	3.004528075	8.15E-14	4.79E-13	RP24-160I20.3
ENSMUSG00000074415.13	205.6557569	3.78549298	8.16E-14	4.80E-13	RP23-442M18.1
ENSMUSG00000022453.8	398.7933659	1.249929816	8.20E-14	4.82E-13	Naga
ENSMUSG00000019806.13	771.252061	1.268090529	8.30E-14	4.88E-13	Aig1
ENSMUSG00000055541.17	41.69037872	-3.683658045	8.32E-14	4.89E-13	Lair1
ENSMUSG00000020034.7	99.99863327	2.33306979	8.42E-14	4.95E-13	Tcp1112
ENSMUSG00000032044.4	797.6947261	-1.108363904	8.43E-14	4.95E-13	Rpusd4
ENSMUSG00000030353.15	151.2579953	-2.635792297	8.45E-14	4.96E-13	Tead4
ENSMUSG00000039646.5	215.306093	1.619997899	8.48E-14	4.98E-13	Vasn
ENSMUSG00000009246.14	47.01218736	4.092934466	8.50E-14	4.99E-13	Trpm5
ENSMUSG00000048100.13	1649.854912	1.846844179	8.58E-14	5.03E-13	Taf13
ENSMUSG00000105345.1	81.62915848	2.492539744	8.59E-14	5.04E-13	RP23-301L9.3
ENSMUSG00000015536.14	1598.842493	1.518571476	8.66E-14	5.08E-13	Mocs2
ENSMUSG00000029452.18	34.66163865	4.401272447	8.67E-14	5.08E-13	Tmem116

ENSMUSG00000074886.11	2761.290012	-1.018242069	8.69E-14	5.09E-13	Grk6
ENSMUSG00000039473.8	2231.893593	0.883199764	8.69E-14	5.10E-13	Ubn1
ENSMUSG000000081749.3	134.9010025	-3.971270539	8.70E-14	5.10E-13	RP23-399N2.1
ENSMUSG000000057246.15	62.35571689	4.135646104	8.72E-14	5.11E-13	RP23-24A13.2
ENSMUSG00000010057.8	690.1299357	1.368748752	8.76E-14	5.13E-13	Npri2
ENSMUSG00000107465.1	146.6407293	-2.075086705	8.76E-14	5.13E-13	RP23-272K20.3
ENSMUSG00000024056.9	1135.685924	-0.926713038	8.77E-14	5.13E-13	Ndc80
ENSMUSG00000024065.7	2893.635478	-1.829099053	9.06E-14	5.31E-13	Ehd3
ENSMUSG000000024197.9	2104.235255	-1.55114491	9.08E-14	5.32E-13	Plin3
ENSMUSG00000016344.14	1539.936641	1.90769509	9.24E-14	5.41E-13	Pdpdf
ENSMUSG00000037679.9	342.29016	-2.206571886	9.28E-14	5.43E-13	Inf2
ENSMUSG00000067224.3	129.4965549	-1.85284739	9.28E-14	5.43E-13	RP23-454N21.4
ENSMUSG00000057375.13	905.5230425	1.688964571	9.30E-14	5.44E-13	Yipf1
ENSMUSG00000054000.5	333.2169163	2.027452189	9.36E-14	5.48E-13	Tusc1
ENSMUSG00000046463.5	54.24110885	3.029158006	9.47E-14	5.53E-13	RP24-113L10.2
ENSMUSG00000021326.13	4259.505007	-0.980247914	9.52E-14	5.57E-13	Trim27
ENSMUSG00000030929.17	832.081404	-1.215583854	9.57E-14	5.59E-13	Eri2
ENSMUSG00000055809.7	115.3862695	-3.354957043	9.62E-14	5.62E-13	Dnaaf3
ENSMUSG00000022376.8	163.583983	2.846977915	9.73E-14	5.68E-13	Adcy8
ENSMUSG00000029687.16	5350.292636	-0.862966085	9.74E-14	5.69E-13	Ezh2
ENSMUSG00000116475.1	704.3320685	-1.361444015	9.85E-14	5.75E-13	RP23-192B21.4
ENSMUSG00000026514.14	202.0450026	1.639830742	1.01E-13	5.90E-13	Cnih3
ENSMUSG00000046879.7	273.2772981	1.740216417	1.02E-13	5.97E-13	Irgm1
ENSMUSG00000014030.15	50.35839516	3.105146864	1.05E-13	6.12E-13	Pax5
ENSMUSG00000114329.1	104.8772755	9.125438531	1.06E-13	6.21E-13	RP24-512M.2.1
ENSMUSG00000000266.11	651.3041722	2.388609859	1.07E-13	6.27E-13	Mid2
ENSMUSG000000059439.15	1203.72329	0.880624848	1.08E-13	6.31E-13	Bcas3
ENSMUSG00000085042.8	56.40594091	5.120450204	1.09E-13	6.36E-13	AC084109.5
ENSMUSG00000081999.3	10041.5592	-1.588207924	1.09E-13	6.36E-13	RP23-328P7.1
ENSMUSG00000044708.5	49.69152479	-3.81336209	1.10E-13	6.40E-13	Kcnj10
ENSMUSG00000003119.14	4752.532335	-2.739595798	1.10E-13	6.43E-13	Cdk12
ENSMUSG00000031681.16	1444.715634	1.018882042	1.11E-13	6.46E-13	Smad1
ENSMUSG00000026502.13	2415.469391	-1.934893472	1.12E-13	6.55E-13	Desi2
ENSMUSG00000029817.11	7531.884215	-0.819264658	1.14E-13	6.64E-13	Tra2a
ENSMUSG00000034574.10	2634.436214	1.763907604	1.15E-13	6.70E-13	Daam1
ENSMUSG00000081151.1	107.2798878	-1.982462852	1.15E-13	6.71E-13	RP23-392O2.2
ENSMUSG00000006457.3	373.2575268	-1.280386885	1.21E-13	7.04E-13	Actn3
ENSMUSG00000004748.5	479.9144952	-2.298739539	1.21E-13	7.05E-13	Mtfp1
ENSMUSG00000035086.13	5388.091868	0.837624715	1.24E-13	7.21E-13	Becn1
ENSMUSG00000104244.1	91.4057837	8.924041364	1.25E-13	7.25E-13	RP23-377H12.5
ENSMUSG00000025821.9	1153.38746	1.348701886	1.25E-13	7.26E-13	Zfp282
ENSMUSG00000021936.14	4086.136954	1.063832768	1.25E-13	7.29E-13	Mapk8
ENSMUSG00000073716.6	250.8399232	-2.824986698	1.26E-13	7.29E-13	RP23-384D6.8
ENSMUSG00000010803.13	312.4535805	1.849334699	1.29E-13	7.52E-13	Gabra1
ENSMUSG00000020953.17	624.0308353	-0.994423045	1.30E-13	7.57E-13	Coch
ENSMUSG000000096974.2	44.71463618	5.143612185	1.31E-13	7.63E-13	RP23-124L1.10
ENSMUSG00000040620.15	3769.325006	-1.958414149	1.32E-13	7.66E-13	Dhx33
ENSMUSG00000021711.16	3130.297426	-1.000864438	1.33E-13	7.70E-13	Trappc13
ENSMUSG000000082218.1	82.67739578	-2.106079379	1.33E-13	7.71E-13	RP23-106H7.2
ENSMUSG00000040054.16	7064.16363	-2.108923656	1.36E-13	7.89E-13	Baz2a
ENSMUSG00000111394.1	2240.416816	-3.330019211	1.36E-13	7.91E-13	RP23-320D23.6
ENSMUSG00000020363.6	986.3723762	-1.822989173	1.37E-13	7.96E-13	Gfpt2
ENSMUSG000000096916.7	1150.241641	-1.811171334	1.38E-13	7.99E-13	Zfp850
ENSMUSG00000035187.10	51.38645941	3.32114791	1.38E-13	8.03E-13	Nkx6-1
ENSMUSG00000043091.9	102784.0957	1.139012743	1.39E-13	8.03E-13	Tuba1c
ENSMUSG00000022089.9	590.22935	1.621821512	1.39E-13	8.08E-13	Bin3
ENSMUSG00000101937.1	90.55221696	-1.968208834	1.39E-13	8.08E-13	RP23-274N9.1
ENSMUSG00000029830.15	39.30188788	4.766171268	1.42E-13	8.24E-13	Svopl
ENSMUSG00000090021.2	2038.848658	-3.015338106	1.44E-13	8.35E-13	RP23-418N2.3
ENSMUSG00000047832.9	1776.591796	-1.121137329	1.45E-13	8.37E-13	Cdca4
ENSMUSG00000040370.13	832.8549013	1.104068188	1.45E-13	8.40E-13	Etfrr1
ENSMUSG00000002017.9	2254.337532	-1.225301804	1.46E-13	8.42E-13	Fam98a
ENSMUSG00000005378.17	1346.811398	-1.149886101	1.47E-13	8.48E-13	Wbscr22
ENSMUSG00000113579.1	63.86178999	4.174771907	1.47E-13	8.49E-13	RP23-339D20.5
ENSMUSG00000113762.1	63.86178999	4.174771907	1.47E-13	8.49E-13	RP23-339D20.3
ENSMUSG00000069272.6	114.3829713	-2.236019671	1.49E-13	8.64E-13	Hist1h2ae
ENSMUSG00000028825.7	792.0573433	-1.694257668	1.51E-13	8.71E-13	Rhd
ENSMUSG00000057229.11	991.6492595	-1.014241439	1.51E-13	8.74E-13	Atp5sl
ENSMUSG00000083814.1	36.7695015	-3.77008348	1.51E-13	8.74E-13	RP23-404M22.5
ENSMUSG00000072244.11	1057.463122	-1.40747628	1.52E-13	8.78E-13	Trim6
ENSMUSG00000112280.1	412.3810786	2.061752328	1.52E-13	8.78E-13	RP24-347C6.4
ENSMUSG00000035637.14	953.4729612	-1.456994939	1.53E-13	8.81E-13	Grhrp
ENSMUSG00000083557.1	585.9121667	-2.267275042	1.54E-13	8.89E-13	AC153789.1
ENSMUSG00000017428.16	5777.823804	-0.78644626	1.55E-13	8.94E-13	Psm11
ENSMUSG00000029217.16	190.0385839	1.552981844	1.60E-13	9.24E-13	Tec
ENSMUSG00000041608.8	61.87739879	4.597650952	1.61E-13	9.30E-13	Entpd3
ENSMUSG00000110194.1	2158.888405	-1.096527272	1.62E-13	9.37E-13	RP23-332G19.1
ENSMUSG00000033379.13	6163.469786	1.879239836	1.64E-13	9.44E-13	Atp6v0b
ENSMUSG00000037572.17	3068.613488	-1.491858772	1.64E-13	9.46E-13	Wdh11
ENSMUSG00000057455.12	48.87467186	8.987292338	1.64E-13	9.48E-13	Rit2
ENSMUSG00000051855.15	25159.86732	0.849923371	1.65E-13	9.48E-13	Mest
ENSMUSG00000015709.9	2725.829932	2.562443919	1.69E-13	9.74E-13	Arnt2
ENSMUSG00000029095.17	82.77376153	7.882108739	1.71E-13	9.85E-13	Ablim2

ENSMUSG00000110529.1	40.3046771	4.066941673	1.72E-13	9.89E-13	RP23-314A15.5
ENSMUSG00000031490.6	2483.624817	-1.820523261	1.72E-13	9.93E-13	Eif4ebp1
ENSMUSG00000048327.6	1571.037067	-1.051203734	1.73E-13	9.93E-13	Ckap2l
ENSMUSG00000032397.7	2869.960598	-1.308776568	1.73E-13	9.94E-13	Tipin
ENSMUSG000000094804.1	41.29771567	5.854552736	1.73E-13	9.95E-13	RP23-11E12.4
ENSMUSG00000043162.7	295.5892216	1.509380013	1.73E-13	9.98E-13	Pyurf
ENSMUSG00000029111.7	1270.280872	-1.608558262	1.77E-13	1.02E-12	Nelfa
ENSMUSG00000034218.16	2252.571905	-2.850442537	1.84E-13	1.06E-12	Atm
ENSMUSG000000086370.8	598.6858172	-2.159280419	1.86E-13	1.07E-12	Ftx
ENSMUSG00000034889.8	1669.244348	-1.360064694	1.86E-13	1.07E-12	Cactin
ENSMUSG00000038152.4	54.89780762	6.696862305	1.87E-13	1.08E-12	RP23-166O7.1
ENSMUSG00000020993.9	1554.628682	1.007216207	1.90E-13	1.09E-12	Trappc6b
ENSMUSG00000097204.2	141.2326944	1.809124397	1.91E-13	1.09E-12	RP23-261M19.4
ENSMUSG00000074277.4	55.01987247	-2.541293453	1.91E-13	1.10E-12	Phldb3
ENSMUSG00000036957.8	544.7721199	1.599796786	1.91E-13	1.10E-12	Lrnf3
ENSMUSG000000041264.16	3007.797246	-0.905000301	1.96E-13	1.13E-12	Usp1l
ENSMUSG00000055254.15	1707.953018	1.214150095	1.98E-13	1.14E-12	Ntrk2
ENSMUSG00000059631.6	48.79198972	8.981576785	2.02E-13	1.16E-12	AC116151.1
ENSMUSG00000023143.10	356.0211163	-1.159731954	2.03E-13	1.16E-12	Nagpa
ENSMUSG00000028857.16	2611.285312	1.426776034	2.03E-13	1.16E-12	Tmem222
ENSMUSG00000004846.10	2113.543126	-1.305782475	2.04E-13	1.17E-12	Plod3
ENSMUSG00000050106.17	77.74465295	-2.200837463	2.04E-13	1.17E-12	Tmc8
ENSMUSG00000023904.10	928.8279023	2.161082733	2.04E-13	1.17E-12	Hcfc1r1
ENSMUSG00000074863.5	720.6978045	-1.01205841	2.10E-13	1.20E-12	Platr25
ENSMUSG00000097834.2	49.57432843	9.009762382	2.11E-13	1.21E-12	RP23-25K2.6
ENSMUSG00000024497.3	34.77494829	4.777416068	2.19E-13	1.26E-12	Pou4f3
ENSMUSG00000001105.15	1672.654428	1.649019772	2.20E-13	1.26E-12	Ift20
ENSMUSG00000110993.1	57.04877322	-3.605992757	2.33E-13	1.34E-12	RP24-325P4.5
ENSMUSG00000002043.17	766.9894832	2.241828281	2.34E-13	1.34E-12	Trappc6a
ENSMUSG00000031778.13	1259.055117	-1.868939678	2.36E-13	1.35E-12	Cx3cl1
ENSMUSG00000043262.16	802.0566666	-1.819645092	2.38E-13	1.36E-12	Uevld
ENSMUSG00000040183.13	773.1153589	-1.447064316	2.38E-13	1.36E-12	Ankrd6
ENSMUSG00000046182.8	48.37386558	8.9690374	2.40E-13	1.37E-12	Gsg1l
ENSMUSG00000045440.4	40.46119045	5.827023695	2.46E-13	1.41E-12	Insm2
ENSMUSG00000029088.16	50.6156865	9.040168377	2.48E-13	1.42E-12	Kcnip4
ENSMUSG00000028145.9	998.9140044	1.101941521	2.49E-13	1.43E-12	Them4
ENSMUSG00000017707.9	6315.8261	1.190581262	2.50E-13	1.43E-12	Serinc3
ENSMUSG00000108917.1	36.82010505	5.095073104	2.53E-13	1.45E-12	RP23-227H18.1
ENSMUSG00000041498.13	1088.692457	-2.508855937	2.55E-13	1.46E-12	Kif14
ENSMUSG00000039096.10	372.5458263	1.939687784	2.56E-13	1.46E-12	Rsad1
ENSMUSG00000035356.17	251.1945635	-1.689988705	2.57E-13	1.47E-12	Nfkbiz
ENSMUSG00000035179.3	71.84796197	2.570619786	2.57E-13	1.47E-12	Ppp1r32
ENSMUSG00000032268.13	34.04405915	4.747144249	2.61E-13	1.49E-12	Tmprss5
ENSMUSG00000024892.16	721.8994462	-1.132938064	2.63E-13	1.50E-12	Pcx
ENSMUSG00000101795.2	7727.700986	-1.243681495	2.66E-13	1.52E-12	RP23-278M14.1
ENSMUSG00000027722.14	1671.083263	-0.907983682	2.69E-13	1.53E-12	Spata5
ENSMUSG00000020564.17	583.8918945	1.158433192	2.70E-13	1.54E-12	Atxn71l
ENSMUSG00000040028.10	5397.44265	-1.12628244	2.70E-13	1.54E-12	Elavl1
ENSMUSG00000114447.1	433.9381708	-1.483887995	2.70E-13	1.54E-12	RP24-421K17.1
ENSMUSG00000006445.3	1353.547941	-1.827201929	2.71E-13	1.54E-12	Epha2
ENSMUSG00000034780.6	558.7112504	1.794771196	2.71E-13	1.55E-12	B3gal1
ENSMUSG00000050211.14	47.34177761	8.94166466	2.72E-13	1.55E-12	Pla2g4e
ENSMUSG00000025597.13	715.4459178	-1.8463735	2.72E-13	1.55E-12	Klh4
ENSMUSG00000039242.10	1402.853059	-1.351218676	2.75E-13	1.56E-12	B3galnt2
ENSMUSG00000037624.15	204.1591561	2.762154286	2.78E-13	1.58E-12	Kcnk2
ENSMUSG00000037935.16	8724.627321	0.855023469	2.78E-13	1.58E-12	Smarce1
ENSMUSG00000028986.12	3491.2623	1.710541105	2.79E-13	1.59E-12	Klh7
ENSMUSG00000056973.6	83.64415249	8.796610031	2.81E-13	1.60E-12	Ces1d
ENSMUSG00000030380.17	228.0349774	1.283635405	2.85E-13	1.62E-12	Mzf1
ENSMUSG000000082253.3	546.0387257	-1.405827393	2.85E-13	1.62E-12	RP23-135I10.5
ENSMUSG00000027864.9	3038.133418	-1.859331441	2.91E-13	1.65E-12	Ptgrn
ENSMUSG00000032643.12	289.2314985	-1.58433802	2.91E-13	1.66E-12	Fhl3
ENSMUSG00000079330.8	463.2678488	1.610005137	2.97E-13	1.69E-12	Lemd1
ENSMUSG00000042363.14	1788.989214	1.15732459	2.97E-13	1.69E-12	Lgalsl
ENSMUSG00000074733.14	590.5699685	1.086287876	2.98E-13	1.69E-12	Zfp950
ENSMUSG00000031937.7	38.19707134	5.429123532	2.99E-13	1.70E-12	Vstm5
ENSMUSG00000041115.16	371.203375	2.043039098	3.02E-13	1.71E-12	Iqsec2
ENSMUSG00000052917.15	854.585059	1.987852433	3.03E-13	1.72E-12	Senp7
ENSMUSG00000036985.12	1352.357107	1.957967971	3.04E-13	1.73E-12	Zdhhc9
ENSMUSG00000040446.3	3984.404011	-0.891764066	3.05E-13	1.73E-12	Rprd1a
ENSMUSG000000086537.7	114.68005784	-1.792504778	3.08E-13	1.75E-12	Nespas
ENSMUSG00000006463.13	525.0100476	1.38196321	3.11E-13	1.77E-12	Zdhhc24
ENSMUSG000000081455.1	858.0863404	-1.008304179	3.14E-13	1.78E-12	Hmgb1-ps3
ENSMUSG000000084221.1	848.0597022	-1.001088872	3.15E-13	1.79E-12	Hmgb1-ps4
ENSMUSG000000049300.11	1254.783793	-0.875927361	3.18E-13	1.80E-12	Prmt6
ENSMUSG00000030254.16	1580.475595	-1.200791858	3.22E-13	1.83E-12	Rad18
ENSMUSG00000007872.3	769.4893746	-1.397418067	3.24E-13	1.84E-12	Id3
ENSMUSG00000041891.15	6032.778432	-1.477840224	3.25E-13	1.84E-12	Lman1
ENSMUSG000000060424.14	102.5057974	9.088164016	3.26E-13	1.85E-12	Pantr1
ENSMUSG00000057157.3	379.9610789	1.345258539	3.37E-13	1.91E-12	RP24-544J6.2
ENSMUSG00000006711.15	58.4766903	6.040834587	3.42E-13	1.94E-12	RP23-92G13.7
ENSMUSG00000025280.8	1952.875232	-2.100369734	3.50E-13	1.98E-12	Polr3a
ENSMUSG00000091722.2	104.1327823	9.115491945	3.50E-13	1.98E-12	Siah3

ENSMUSG00000075702.9	1399.593156	2.65963352	3.51E-13	1.99E-12	Selm
ENSMUSG00000027132.3	1099.188231	-1.071234241	3.56E-13	2.01E-12	Katnbl1
ENSMUSG00000024535.15	484.9180434	1.213344631	3.63E-13	2.05E-12	Snx24
ENSMUSG00000107971.1	38.9820328	-4.652919582	3.77E-13	2.13E-12	RP23-259J8.5
ENSMUSG00000068480.6	708.3591685	-1.904153733	3.81E-13	2.15E-12	RP23-181K4.3
ENSMUSG00000004791.7	199.3228659	-1.939858385	3.82E-13	2.16E-12	Pgf
ENSMUSG00000116673.1	468.1211041	-1.851334522	3.84E-13	2.17E-12	RP23-49H16.3
ENSMUSG00000064127.13	3195.384674	-1.944885749	3.88E-13	2.19E-12	Med14
ENSMUSG000000021501.4	1121.32504	1.639420728	3.89E-13	2.20E-12	Cam1
ENSMUSG00000042015.17	706.7453505	1.175235368	3.90E-13	2.20E-12	Wdr41
ENSMUSG00000019772.5	43.83860231	-5.463876986	3.91E-13	2.21E-12	Vip
ENSMUSG00000020085.15	249.4364866	1.276355283	3.91E-13	2.21E-12	Aifm2
ENSMUSG00000021703.9	1907.905059	1.639059783	3.95E-13	2.23E-12	Serinc5
ENSMUSG00000024459.18	152.0988723	3.009916769	3.97E-13	2.24E-12	H2-M5
ENSMUSG000000044042.18	93.85931942	-3.084634247	3.97E-13	2.24E-12	Fmn1
ENSMUSG00000021265.3	158.8976712	1.860021211	4.03E-13	2.28E-12	Slc25a29
ENSMUSG00000021115.15	2784.009422	-0.959900233	4.06E-13	2.29E-12	Vrk1
ENSMUSG00000107804.1	48.24161394	8.967100245	4.07E-13	2.30E-12	RP23-62E9.2
ENSMUSG00000021286.8	337.9038975	-1.197320242	4.08E-13	2.30E-12	Zfyve21
ENSMUSG00000084301.1	427.0109766	-1.617054062	4.09E-13	2.31E-12	RP23-401H23.2
ENSMUSG00000031931.4	1233.100583	-0.884508458	4.14E-13	2.33E-12	Ankrd49
ENSMUSG00000051331.15	707.4345264	2.993027341	4.14E-13	2.33E-12	Cacna1c
ENSMUSG00000024598.8	1116.251947	-1.430410464	4.14E-13	2.34E-12	Fbn2
ENSMUSG00000024002.17	6223.664973	-0.925954859	4.15E-13	2.34E-12	Brd4
ENSMUSG00000039345.16	496.4597497	1.502099624	4.15E-13	2.34E-12	Mettl22
ENSMUSG00000020385.16	3497.563614	0.790795117	4.16E-13	2.34E-12	Clk4
ENSMUSG000000036599.10	561.3712659	-1.140804235	4.17E-13	2.35E-12	Chst12
ENSMUSG00000093726.1	119.2667122	-1.728129087	4.20E-13	2.36E-12	RP23-358B23.3
ENSMUSG00000005883.15	38.73869635	3.58730174	4.27E-13	2.40E-12	Spo11
ENSMUSG000000021759.14	558.1059074	1.073780113	4.30E-13	2.42E-12	Pipp1
ENSMUSG000000024269.11	2117.618426	0.82567999	4.34E-13	2.44E-12	Tpgs2
ENSMUSG00000044309.8	63.86879195	3.442816985	4.35E-13	2.44E-12	Apol7c
ENSMUSG00000034450.8	32.75107951	-4.045186261	4.37E-13	2.45E-12	Gulo
ENSMUSG000000087207.8	244.2950154	-2.352432528	4.39E-13	2.47E-12	RP23-360J20.5
ENSMUSG000000012609.19	528.0304336	-1.395579918	4.43E-13	2.49E-12	Tllf5
ENSMUSG00000106820.1	33.65861372	-3.740438811	4.51E-13	2.53E-12	RP24-544J6.4
ENSMUSG00000004558.15	515.2176969	-1.400009518	4.52E-13	2.54E-12	Ndrf2
ENSMUSG000000085945.3	36.17514106	5.060740704	4.52E-13	2.54E-12	RP23-277H6.1
ENSMUSG00000034145.14	213.1322212	2.502502891	4.57E-13	2.57E-12	Tmem63c
ENSMUSG00000023020.2	1249.560332	2.504808209	4.58E-13	2.57E-12	Cox14
ENSMUSG00000113927.1	45.582009	8.88320938	4.65E-13	2.61E-12	RP23-359K17.2
ENSMUSG000000039187.16	813.7389637	-1.61885188	4.66E-13	2.61E-12	Fanci
ENSMUSG00000105643.1	46.4951877	-3.001896936	4.73E-13	2.65E-12	RP24-68G17.2
ENSMUSG00000040998.18	899.9229291	1.893710251	4.78E-13	2.68E-12	Npnt
ENSMUSG000000062116.10	621.1232742	1.694484321	4.80E-13	2.69E-12	Zfp954
ENSMUSG000000081729.1	1068.788773	-1.753287466	4.80E-13	2.69E-12	Hspa9-ps1
ENSMUSG00000106610.1	248.7937103	2.038700841	4.81E-13	2.69E-12	RP23-336N16.1
ENSMUSG000000035614.11	1668.354019	-1.295029173	4.83E-13	2.71E-12	Fam179b
ENSMUSG000000056222.15	1072.522975	1.569167586	4.83E-13	2.71E-12	Spock1
ENSMUSG00000019539.11	2039.539509	-1.764196527	4.85E-13	2.72E-12	Rcn3
ENSMUSG00000005506.16	12172.96925	-0.850932371	4.89E-13	2.74E-12	Celf1
ENSMUSG00000019820.11	2587.366002	-1.752848393	4.95E-13	2.77E-12	Utrn
ENSMUSG00000030306.14	660.6817671	2.845955288	4.97E-13	2.78E-12	Tmtc1
ENSMUSG00000011254.16	2110.489415	-1.153862664	5.04E-13	2.82E-12	Thg1l
ENSMUSG00000039105.6	5735.401903	1.7167897	5.05E-13	2.83E-12	Atp6v1g1
ENSMUSG00000021280.9	53.29382016	3.479789748	5.26E-13	2.94E-12	Exoc3l4
ENSMUSG000000025353.5	1121.245894	-1.520407057	5.28E-13	2.96E-12	Ormdl2
ENSMUSG00000085738.2	3809.505744	-1.120740576	5.32E-13	2.98E-12	RP23-408L15.4
ENSMUSG00000004931.11	799.4095321	-1.423833403	5.38E-13	3.01E-12	Apba3
ENSMUSG000000034429.15	349.0023632	1.447915933	5.43E-13	3.03E-12	Zfp707
ENSMUSG00000032411.15	2883.595691	-1.489439757	5.43E-13	3.04E-12	Tfdp2
ENSMUSG00000009585.18	72.0137979	-2.43142087	5.47E-13	3.06E-12	Apobec3
ENSMUSG00000041596.12	49.31877392	3.964488367	5.48E-13	3.06E-12	Nlrp5-ps
ENSMUSG000000027102.4	40.35064608	3.043637784	5.55E-13	3.10E-12	Hoxd8
ENSMUSG00000016356.18	62.52881476	5.11174599	5.69E-13	3.18E-12	Col20a1
ENSMUSG00000040044.11	2758.845438	-1.206034747	5.70E-13	3.18E-12	Orc3
ENSMUSG000000037313.16	4121.216774	-0.976308433	5.70E-13	3.18E-12	Tacc3
ENSMUSG000000104309.1	2968.526317	-1.318942668	5.74E-13	3.21E-12	RP23-404C21.2
ENSMUSG00000042029.7	3244.460238	-1.632132527	5.75E-13	3.21E-12	Ncapp2
ENSMUSG00000045699.3	92.21954209	-2.276548974	5.84E-13	3.26E-12	Gm21411
ENSMUSG00000025986.6	6231.06822	-2.058840504	5.98E-13	3.34E-12	Slc39a10
ENSMUSG00000019302.16	4753.699205	1.612711634	6.00E-13	3.35E-12	Atp6v0a1
ENSMUSG00000024914.16	2876.351066	1.764589729	6.04E-13	3.37E-12	Drap1
ENSMUSG000000054766.13	30786.47829	-1.415618215	6.06E-13	3.38E-12	Set
ENSMUSG000000026162.7	153.9389225	-1.810525859	6.09E-13	3.40E-12	Nhej1
ENSMUSG00000027646.15	1674.686633	1.377404218	6.12E-13	3.41E-12	Src
ENSMUSG00000093536.7	58.46985219	2.810944247	6.12E-13	3.41E-12	Smim17
ENSMUSG00000001260.10	100.6508966	2.308202675	6.14E-13	3.42E-12	Gabrg1
ENSMUSG000000050533.3	65.98614569	-2.208651886	6.15E-13	3.43E-12	RP23-49O22.1
ENSMUSG00000022696.17	47.34210653	6.051625536	6.18E-13	3.44E-12	Sidt1
ENSMUSG00000024515.13	3433.100169	-1.317590664	6.18E-13	3.44E-12	Smad4
ENSMUSG00000032262.13	2364.637524	0.978083877	6.18E-13	3.44E-12	Elov4
ENSMUSG00000092274.2	137.6858289	-1.721399368	6.34E-13	3.53E-12	Neat1

ENSMUSG00000041609.16	844.3003402	1.65263471	6.42E-13	3.57E-12	Bicd1
ENSMUSG00000018239.9	1445.194447	-1.63402135	6.42E-13	3.57E-12	Zcchc10
ENSMUSG00000016756.17	35.25950956	-3.440516614	6.43E-13	3.58E-12	Cmah
ENSMUSG00000034701.9	147.82466	1.665686059	6.52E-13	3.63E-12	Neurod1
ENSMUSG00000028300.14	1022.414778	1.458229794	6.52E-13	3.63E-12	RP23-307M2.1
ENSMUSG0000001630.13	1316.428524	-1.006479826	6.70E-13	3.72E-12	Stk38l
ENSMUSG00000028318.14	1604.130083	-1.34617357	6.81E-13	3.78E-12	Polr1e
ENSMUSG00000029221.15	4021.717091	0.829647028	6.81E-13	3.78E-12	Slc30a9
ENSMUSG00000054453.11	36.27555908	-4.399918251	6.81E-13	3.78E-12	Sytl5
ENSMUSG00000098428.6	328.9644332	-1.414384604	7.00E-13	3.89E-12	Anxa11-ps1
ENSMUSG00000020955.9	850.8999126	1.640664467	7.03E-13	3.90E-12	Ap4s1
ENSMUSG00000040441.10	263.0587947	-1.325876413	7.04E-13	3.91E-12	Slc26a10
ENSMUSG00000071647.5	791.872147	-1.815312718	7.15E-13	3.97E-12	Eml3
ENSMUSG00000083893.1	78.50603389	-2.103660991	7.15E-13	3.97E-12	RP23-52D18.5
ENSMUSG00000027323.10	2528.636185	-1.221404705	7.16E-13	3.97E-12	Rad51
ENSMUSG00000056089.6	34.49711379	5.268726679	7.17E-13	3.98E-12	RP23-471J11.2
ENSMUSG00000116508.1	58.02343309	2.467928919	7.22E-13	4.00E-12	RP23-25N17.6
ENSMUSG00000091825.1	471.6428235	-1.454130729	7.29E-13	4.04E-12	RP24-174M12.2
ENSMUSG00000037416.13	3238.508344	-1.8258235	7.33E-13	4.07E-12	Dmxl1
ENSMUSG00000017615.12	4348.457928	1.048746024	7.43E-13	4.12E-12	Tnfaip1
ENSMUSG00000056679.13	1309.632162	2.400707409	7.51E-13	4.17E-12	Gpr173
ENSMUSG00000027793.6	99.94480409	2.829313229	7.52E-13	4.17E-12	Ccna1
ENSMUSG00000050963.7	33.88504552	3.924803339	7.57E-13	4.19E-12	Kcns2
ENSMUSG00000018865.9	2223.510777	0.825348439	7.61E-13	4.22E-12	Sult4a1
ENSMUSG00000035559.9	645.2216671	1.744044909	7.66E-13	4.24E-12	Mpv17l2
ENSMUSG00000070644.13	199.8075098	1.345247602	7.70E-13	4.26E-12	Etnk2
ENSMUSG00000045639.14	2021.394299	1.304366634	7.74E-13	4.29E-12	Zfp629
ENSMUSG00000027654.2	886.6899097	-0.898538649	7.75E-13	4.29E-12	Fam83d
ENSMUSG00000024805.16	254.8539651	-1.402483958	7.84E-13	4.34E-12	Pcgf5
ENSMUSG00000099924.1	53.91637742	9.124431012	7.85E-13	4.34E-12	RP24-330P10.2
ENSMUSG00000052555.18	1797.491883	1.360932344	7.93E-13	4.39E-12	Zfhx4
ENSMUSG00000015095.12	1272.543966	0.95372347	7.94E-13	4.39E-12	Fbxw5
ENSMUSG00000027358.6	56.41218396	2.452297115	7.96E-13	4.40E-12	Brmp2
ENSMUSG00000023170.14	783.0855311	1.088173022	7.96E-13	4.40E-12	Gps2
ENSMUSG00000053111.13	47.28267172	3.130145864	7.97E-13	4.40E-12	Fank1
ENSMUSG00000069441.3	37.75592315	5.724784804	8.06E-13	4.45E-12	Dsg1a
ENSMUSG00000038628.8	2432.337589	1.115514844	8.11E-13	4.48E-12	Polr3k
ENSMUSG00000042271.13	813.211118	-1.295929725	8.11E-13	4.48E-12	Nxt2
ENSMUSG00000109006.2	56.88212455	3.459211023	8.14E-13	4.50E-12	RP23-407N2.2
ENSMUSG00000081441.3	1522.954651	-1.943451486	8.27E-13	4.57E-12	AC103620.1
ENSMUSG00000063663.11	1865.337645	-2.372585075	8.33E-13	4.60E-12	Brwd3
ENSMUSG00000028578.8	931.3360937	-1.034499983	8.42E-13	4.64E-12	Caap1
ENSMUSG00000020538.15	4907.525413	-1.650474175	8.49E-13	4.69E-12	Srebf1
ENSMUSG00000030346.16	1431.140816	-1.054802996	8.54E-13	4.71E-12	Rad51ap1
ENSMUSG00000030802.14	1530.407778	-1.095495573	8.59E-13	4.74E-12	Bckdk
ENSMUSG00000053964.17	37.53787431	3.204021186	8.61E-13	4.75E-12	Lgals4
ENSMUSG00000022710.17	9608.546236	-1.665661	8.65E-13	4.77E-12	Usp7
ENSMUSG00000083860.2	193.537346	-1.841351394	8.68E-13	4.79E-12	RP23-379F6.2
ENSMUSG00000098132.1	96.19765122	2.275001568	8.76E-13	4.83E-12	Rassf10
ENSMUSG00000031984.8	2743.682294	-1.137490631	8.77E-13	4.83E-12	RP23-9L16.5
ENSMUSG00000114624.1	41.27994384	8.74248317	8.84E-13	4.87E-12	RP23-71L21.6
ENSMUSG00000069713.2	38.61053482	3.258640066	8.96E-13	4.93E-12	RP23-158C15.8
ENSMUSG00000032826.17	5443.05184	2.007307946	9.05E-13	4.98E-12	Ank2
ENSMUSG00000066007.15	394.5419895	-2.54418481	9.06E-13	4.99E-12	Zfp600
ENSMUSG00000063810.7	2241.21013	-2.02757331	9.06E-13	4.99E-12	Alms1
ENSMUSG00000055078.7	148.4267615	2.133601458	9.14E-13	5.03E-12	Gabra5
ENSMUSG00000091577.2	139.4437597	-2.244047647	9.14E-13	5.03E-12	RP23-343A4.2
ENSMUSG00000100007.1	762.2351664	-1.007905284	9.15E-13	5.03E-12	RP24-388H6.4
ENSMUSG00000112941.1	40.55159848	3.668991685	9.28E-13	5.10E-12	CH25-660D15.2
ENSMUSG00000022594.14	172.4906386	-1.636125842	9.31E-13	5.12E-12	Lynx1
ENSMUSG00000036676.14	1666.318096	-2.310442001	9.44E-13	5.19E-12	Tmtc3
ENSMUSG0000004018.9	1182.318992	-1.288092591	9.59E-13	5.27E-12	Fancl
ENSMUSG00000028364.15	164.106557	2.325147834	9.60E-13	5.28E-12	Tnc
ENSMUSG00000009535.13	4616.598323	-0.781784556	9.60E-13	5.28E-12	Rnmt
ENSMUSG00000022560.9	1005.031855	-0.937025552	9.83E-13	5.40E-12	Slc52a2
ENSMUSG00000051615.14	445.9575531	1.780046873	9.97E-13	5.48E-12	Rap2a
ENSMUSG00000039218.16	30307.93657	-2.125882137	1.02E-12	5.61E-12	Srrm2
ENSMUSG00000029033.16	2164.523721	1.781082863	1.03E-12	5.64E-12	Acap3
ENSMUSG00000073423.9	432.3301987	1.079349533	1.03E-12	5.65E-12	Zfp414
ENSMUSG00000008348.9	80608.15861	0.746826667	1.04E-12	5.71E-12	Ubc
ENSMUSG00000084407.1	70.67500267	-2.54282536	1.04E-12	5.72E-12	RP23-273B19.1
ENSMUSG00000051965.8	42.59533816	8.790964018	1.05E-12	5.74E-12	Nanos2
ENSMUSG00000021198.16	475.964712	3.285582608	1.07E-12	5.85E-12	Unc97
ENSMUSG00000033392.16	5399.574226	1.474795629	1.07E-12	5.86E-12	Clasp2
ENSMUSG00000104514.1	779.9490137	-1.001984152	1.08E-12	5.94E-12	RP23-370E6.2
ENSMUSG00000034891.13	345.2655129	1.170226537	1.09E-12	5.97E-12	Sncb
ENSMUSG00000024134.11	84.56101987	2.231135954	1.09E-12	5.98E-12	Six2
ENSMUSG00000028070.7	1206.932343	1.959100184	1.10E-12	6.00E-12	Apoa1bp
ENSMUSG00000074212.7	540.2121412	1.792896885	1.10E-12	6.03E-12	Dnajb14
ENSMUSG00000096929.7	58.93990591	3.013445077	1.10E-12	6.05E-12	RP23-445K23.4
ENSMUSG00000063535.7	315.0466263	1.199021649	1.11E-12	6.07E-12	Zfp773
ENSMUSG00000025432.11	54.75403044	6.695796465	1.11E-12	6.09E-12	Avil
ENSMUSG00000033752.7	361.976995	-2.222668206	1.12E-12	6.11E-12	Mnd1

ENSMUSG00000066568.12	5085.992048	-1.007080587	1.13E-12	6.16E-12	Lsm14a
ENSMUSG00000049516.9	1647.832663	-1.93482697	1.13E-12	6.17E-12	Spty2d1
ENSMUSG00000058291.14	1315.064091	1.117725437	1.13E-12	6.18E-12	Zfp68
ENSMUSG00000100514.1	1199.070027	-1.984441327	1.14E-12	6.26E-12	RP23-342E4.2
ENSMUSG00000021840.17	8651.645242	-1.298174346	1.16E-12	6.34E-12	Mapk1ip1l
ENSMUSG00000038855.10	698.9229965	-1.339482248	1.16E-12	6.34E-12	Itpkb
ENSMUSG00000026605.14	4502.722224	-1.426501762	1.16E-12	6.35E-12	Cenpf
ENSMUSG00000026319.13	2182.52246	1.238941175	1.17E-12	6.38E-12	RP24-353D23.1
ENSMUSG00000024378.9	2068.419992	-1.156303217	1.17E-12	6.39E-12	Stard4
ENSMUSG00000082768.1	204.3811445	1.451230487	1.17E-12	6.40E-12	RP23-90D4.1
ENSMUSG00000114993.1	793.3134342	-1.898207747	1.18E-12	6.45E-12	RP23-163K5.2
ENSMUSG00000103367.1	94.50339878	-1.879411277	1.18E-12	6.46E-12	RP23-293I7.1
ENSMUSG00000026456.18	1637.237272	-1.139631992	1.19E-12	6.52E-12	Cyb5r1
ENSMUSG00000027932.14	494.845484	1.02789201	1.20E-12	6.55E-12	Slc27a3
ENSMUSG00000001910.4	5935.884483	-1.487221336	1.22E-12	6.65E-12	Nacc1
ENSMUSG00000042638.14	41.25757499	-2.842707475	1.23E-12	6.70E-12	Gucy2c
ENSMUSG00000104157.1	42.9788606	8.80436857	1.24E-12	6.74E-12	RP24-152K14.1
ENSMUSG00000046287.7	55.35478013	2.597490319	1.26E-12	6.86E-12	Pnma3
ENSMUSG00000030761.15	44.1472013	-2.801393144	1.28E-12	6.96E-12	Myo7a
ENSMUSG000000055862.7	145.9501938	1.886652025	1.28E-12	6.96E-12	Izumo4
ENSMUSG00000018899.16	508.1843116	-1.342451635	1.28E-12	7.00E-12	Irf1
ENSMUSG00000009614.16	44.58279743	6.389151228	1.29E-12	7.04E-12	Sardh
ENSMUSG00000026627.7	451.6363528	1.187071309	1.31E-12	7.16E-12	Tmem206
ENSMUSG00000038467.15	4822.173015	1.198176144	1.32E-12	7.21E-12	Chmp4b
ENSMUSG00000007880.16	14851.65615	-1.393575857	1.34E-12	7.31E-12	Arid1a
ENSMUSG00000039879.9	1324.638627	1.559732805	1.35E-12	7.33E-12	Heca
ENSMUSG00000111967.1	89.7496825	-2.009770137	1.35E-12	7.33E-12	RP24-292J1.2
ENSMUSG00000106664.1	1116.253025	-1.289733205	1.35E-12	7.37E-12	RP23-338P12.3
ENSMUSG00000030235.17	32.70074047	4.924947478	1.37E-12	7.46E-12	Slco1c1
ENSMUSG00000010607.8	548.3829097	2.528871288	1.37E-12	7.47E-12	Pigyl
ENSMUSG000000084018.1	199.4124802	2.799233405	1.38E-12	7.49E-12	RP23-229B23.2
ENSMUSG00000001156.9	587.1592373	1.859717164	1.38E-12	7.50E-12	Mxd1
ENSMUSG00000020303.2	1801.155706	-1.312943808	1.38E-12	7.52E-12	Stc2
ENSMUSG00000024308.14	1009.61441	0.983418627	1.38E-12	7.52E-12	Tapbp
ENSMUSG000000094942.7	229.7534034	-1.489618327	1.39E-12	7.55E-12	RP23-156C20.1
ENSMUSG00000038633.5	5030.886206	-1.165947338	1.40E-12	7.60E-12	Degs1
ENSMUSG00000105206.1	755.2197646	-2.05566306	1.43E-12	7.76E-12	RP23-158A20.2
ENSMUSG000000056014.15	512.2314508	1.204789242	1.43E-12	7.76E-12	W11-955B2.1
ENSMUSG00000017446.14	182.4967766	-3.238447579	1.43E-12	7.79E-12	C1qtnf1
ENSMUSG000000094500.2	41.86402732	8.759537142	1.45E-12	7.86E-12	Smim18
ENSMUSG00000035713.15	371.6461032	1.157327901	1.45E-12	7.87E-12	Usp35
ENSMUSG000000061298.14	40.61228422	8.718074289	1.48E-12	8.03E-12	Agbl4
ENSMUSG00000047415.12	86.58226781	-2.141917426	1.49E-12	8.11E-12	Gpr68
ENSMUSG00000073569.1	901.2502726	-1.078576616	1.52E-12	8.24E-12	Gm10540
ENSMUSG00000020988.9	710.7855107	-1.615024041	1.54E-12	8.33E-12	L2hgdh
ENSMUSG00000114501.1	69.47370013	2.159236693	1.56E-12	8.46E-12	RP23-463F22.3
ENSMUSG00000021069.17	48.36914792	2.655370889	1.56E-12	8.47E-12	Pygl
ENSMUSG00000000916.15	799.0214335	-0.954021713	1.57E-12	8.52E-12	Nsun5
ENSMUSG00000021313.16	329.0712638	2.962264741	1.58E-12	8.57E-12	Ryr2
ENSMUSG00000042548.14	6195.605871	-1.949903945	1.58E-12	8.59E-12	Asxl1
ENSMUSG00000031302.16	48.6648872	4.901322113	1.60E-12	8.67E-12	Nlgn3
ENSMUSG000000097392.2	1292.989619	0.887380598	1.60E-12	8.68E-12	RP23-314A12.2
ENSMUSG00000022141.7	5012.864486	-1.042741475	1.61E-12	8.69E-12	Nipbl
ENSMUSG00000036602.14	40.41166914	-3.053730572	1.62E-12	8.77E-12	Alx1
ENSMUSG00000029501.14	3129.227578	-1.19657789	1.64E-12	8.87E-12	Ankle2
ENSMUSG00000106446.1	41.90158756	3.706342025	1.64E-12	8.87E-12	RP23-50E10.1
ENSMUSG00000031608.13	1658.203353	-1.373778297	1.66E-12	8.96E-12	Galnt7
ENSMUSG00000022306.9	107.888697	2.225746387	1.66E-12	8.96E-12	Zfpm2
ENSMUSG00000023272.4	2229.645123	-1.444340603	1.66E-12	8.99E-12	Crel2d
ENSMUSG00000029442.18	49.3476256	3.56119708	1.68E-12	9.11E-12	Wdr66
ENSMUSG00000102729.1	44.61209982	8.858360311	1.70E-12	9.19E-12	RP23-14P23.10
ENSMUSG00000041040.12	3046.860684	1.478958945	1.72E-12	9.32E-12	Fam117b
ENSMUSG00000032344.17	57.0938071	2.621050331	1.73E-12	9.38E-12	Mb21d1
ENSMUSG000000061615.2	110.7307703	-2.190826046	1.75E-12	9.46E-12	Hist1h2ab
ENSMUSG00000026491.13	7017.026431	-2.082994177	1.78E-12	9.63E-12	Ahctf1
ENSMUSG00000057497.8	3262.501442	-1.314061064	1.81E-12	9.76E-12	Fam136a
ENSMUSG00000074215.2	39.27253236	4.026463506	1.81E-12	9.79E-12	Gm10643
ENSMUSG00000038286.11	141.776909	1.537946536	1.83E-12	9.87E-12	Bphl
ENSMUSG00000078868.3	232.4485614	-2.380582687	1.83E-12	9.87E-12	RP23-67E6.2
ENSMUSG00000054770.16	652.1350725	1.269519972	1.83E-12	9.88E-12	Kctd18
ENSMUSG00000018906.14	1087.473767	-1.053019491	1.88E-12	1.01E-11	P4ha2
ENSMUSG00000089791.1	403.3562964	-1.93175869	1.93E-12	1.04E-11	AC102227.2
ENSMUSG00000034826.14	2018.794431	-1.113396348	1.93E-12	1.04E-11	Nup54
ENSMUSG00000037643.14	4172.541272	-1.502049651	1.94E-12	1.05E-11	Prkc1
ENSMUSG000000040181.14	35.1810623	5.029379021	1.94E-12	1.05E-11	Fmo1
ENSMUSG00000044288.6	3028.217969	1.994144788	1.95E-12	1.05E-11	Cnr1
ENSMUSG00000093606.1	48.58462924	3.045570421	1.96E-12	1.06E-11	RP23-264F8.3
ENSMUSG00000023074.11	742.6315965	1.174450028	1.98E-12	1.07E-11	Mospd1
ENSMUSG00000022367.7	482.0006297	-2.242460852	1.98E-12	1.07E-11	Has2
ENSMUSG00000047669.8	76.86522847	2.431758148	2.01E-12	1.08E-11	Msl3l2
ENSMUSG00000029581.14	11057.70576	0.836652678	2.01E-12	1.08E-11	Fscn1
ENSMUSG00000097366.1	271.3258788	-3.579707591	2.01E-12	1.08E-11	RP24-218M19.2
ENSMUSG00000052139.18	865.4735109	1.027786171	2.03E-12	1.09E-11	Bre

ENSMUSG00000050503.8	39.02602313	3.599868094	2.05E-12	1.11E-11	Fbxl22
ENSMUSG00000038816.14	1836.23996	-0.950375338	2.06E-12	1.11E-11	Ctnnal1
ENSMUSG00000087660.1	34.91567997	4.10402754	2.08E-12	1.12E-11	AC087062.5
ENSMUSG00000022945.12	2566.044242	-1.138488742	2.08E-12	1.12E-11	Chaf1b
ENSMUSG00000052629.5	40.72422877	3.771006524	2.14E-12	1.15E-11	RP23-38E14.1
ENSMUSG00000040136.10	294.3834188	-2.382983841	2.16E-12	1.16E-11	Abcc8
ENSMUSG00000048371.8	1036.268703	-1.519279607	2.16E-12	1.16E-11	Pdp2
ENSMUSG00000028776.14	80.44116784	2.689491574	2.16E-12	1.16E-11	Tinagl1
ENSMUSG00000039617.8	3234.574149	-1.108549321	2.17E-12	1.17E-11	AC123647.1
ENSMUSG00000029415.4	4544.603712	-1.509801852	2.20E-12	1.18E-11	Sdad1
ENSMUSG00000020467.15	140.0647102	1.633103049	2.20E-12	1.18E-11	Efemp1
ENSMUSG00000095518.1	31.13683992	4.60837635	2.21E-12	1.19E-11	RP23-403B2.4
ENSMUSG00000018166.8	206.8452473	-2.046978508	2.22E-12	1.19E-11	Erb3
ENSMUSG00000002319.16	1678.245484	-0.83753309	2.24E-12	1.20E-11	Ipo4
ENSMUSG00000036949.16	36.33343419	5.352277784	2.24E-12	1.20E-11	Slc39a12
ENSMUSG00000026640.12	1165.978312	2.715925451	2.25E-12	1.21E-11	Plxna2
ENSMUSG00000070327.14	397.965323	-2.055893501	2.26E-12	1.21E-11	Rnf213
ENSMUSG00000031953.2	834.3374728	-1.725337085	2.27E-12	1.22E-11	Tmem170
ENSMUSG00000042650.3	5937.293327	-1.196262892	2.30E-12	1.23E-11	Alkb5
ENSMUSG00000021124.13	2126.790207	1.60334705	2.30E-12	1.23E-11	Vti1b
ENSMUSG00000071645.5	1135.076557	-1.280022048	2.33E-12	1.25E-11	Tut1
ENSMUSG00000106743.1	33.29684994	4.715146826	2.34E-12	1.25E-11	RP24-294K15.7
ENSMUSG00000060647.2	313.2208692	-1.158635548	2.37E-12	1.27E-11	RP23-228C13.4
ENSMUSG00000007379.15	104.769044	-2.121102005	2.37E-12	1.27E-11	Dennd2c
ENSMUSG00000092341.2	41325.43205	2.077295068	2.42E-12	1.29E-11	Malat1
ENSMUSG00000049122.17	563.944602	1.119519242	2.42E-12	1.30E-11	Frm3
ENSMUSG00000041836.10	34.04945103	4.762285212	2.49E-12	1.33E-11	Ptpre
ENSMUSG00000046269.16	299.4149414	1.470895991	2.49E-12	1.34E-11	Usp27x
ENSMUSG00000040703.11	60.47019078	-2.2759676	2.53E-12	1.35E-11	Cyp2s1
ENSMUSG00000028224.14	1063.043219	-1.225845427	2.53E-12	1.35E-11	Nbn
ENSMUSG00000049957.14	1337.142477	-0.858823192	2.54E-12	1.36E-11	Ccdc137
ENSMUSG00000027523.19	25726.12015	0.948373746	2.58E-12	1.38E-11	Gnas
ENSMUSG00000032754.14	313.455397	-1.581097424	2.59E-12	1.38E-11	Slc8b1
ENSMUSG00000031985.9	4137.525079	-1.066506264	2.62E-12	1.40E-11	Gnpat
ENSMUSG00000103245.1	38.18882259	-6.356650539	2.63E-12	1.41E-11	RP24-61J18.2
ENSMUSG00000029697.6	50.12253925	2.94678121	2.64E-12	1.41E-11	Fezf1
ENSMUSG00000022641.15	2469.878485	-1.486683726	2.67E-12	1.43E-11	Bbx
ENSMUSG00000072944.11	1047.540802	-0.965181796	2.68E-12	1.43E-11	Nup62cl
ENSMUSG00000104973.1	40.57834623	2.932499033	2.69E-12	1.44E-11	RP23-357D17.3
ENSMUSG00000045648.15	46.9953793	8.933518633	2.73E-12	1.46E-11	Vwc2l
ENSMUSG00000029265.4	2498.196275	-0.9332795	2.74E-12	1.46E-11	Dr1
ENSMUSG00000056904.3	39865.13552	0.899261976	2.77E-12	1.48E-11	RP24-135P4.1
ENSMUSG00000034848.17	1307.614395	-1.416529757	2.78E-12	1.48E-11	Ttc21b
ENSMUSG00000014850.15	1416.859559	-1.190608966	2.78E-12	1.48E-11	Msh3
ENSMUSG00000032185.15	4976.236921	-2.239800164	2.85E-12	1.52E-11	Carm1
ENSMUSG00000001911.16	43.4416533	3.437817098	2.86E-12	1.53E-11	Nfix
ENSMUSG00000027035.10	2652.309399	1.760297607	2.96E-12	1.58E-11	Cers6
ENSMUSG00000097734.1	34.87944179	5.008668756	2.97E-12	1.58E-11	B930082K07Rik
ENSMUSG00000030447.15	2297.749473	-1.308124654	2.98E-12	1.59E-11	Cyfp1
ENSMUSG00000026779.6	1036.748288	-1.459519713	3.05E-12	1.63E-11	Mastl
ENSMUSG00000021072.12	6247.914911	0.797972028	3.06E-12	1.63E-11	Tmx1
ENSMUSG00000020571.12	12891.43552	-1.240480764	3.09E-12	1.65E-11	Pdia1
ENSMUSG00000028832.11	53960.18305	2.051849586	3.10E-12	1.65E-11	Stmn1
ENSMUSG00000031729.6	4498.838945	0.933986491	3.13E-12	1.67E-11	Ist1
ENSMUSG00000116165.1	1086.100969	1.454181162	3.15E-12	1.68E-11	Pdxp
ENSMUSG00000030465.19	1322.107694	2.235703842	3.16E-12	1.68E-11	Psd3
ENSMUSG00000027331.15	1951.99437	-0.924635482	3.20E-12	1.70E-11	Knstrn
ENSMUSG00000058093.13	456.386928	-1.392023849	3.22E-12	1.72E-11	Zfp729b
ENSMUSG00000020884.15	106.5525704	2.380441114	3.25E-12	1.73E-11	Asgr1
ENSMUSG00000101856.1	63.94968823	3.106577989	3.27E-12	1.74E-11	RP23-405O11.1
ENSMUSG00000055994.15	44.27293357	-3.094274425	3.28E-12	1.75E-11	Nod2
ENSMUSG00000014075.15	750.8601882	1.717220338	3.33E-12	1.77E-11	Tctex1d2
ENSMUSG00000113651.1	1046.879717	-3.255798518	3.33E-12	1.77E-11	RP23-288O24.3
ENSMUSG00000103009.1	170.6705881	1.448138071	3.33E-12	1.77E-11	RP23-160G19.10
ENSMUSG00000020132.10	2191.413714	0.93455734	3.34E-12	1.78E-11	Rab21
ENSMUSG00000037600.16	43.89099603	-3.355792833	3.35E-12	1.78E-11	Kdf1
ENSMUSG00000038766.16	2055.158414	-2.567589359	3.36E-12	1.78E-11	Gabpb2
ENSMUSG00000039219.18	3458.409084	0.869588993	3.39E-12	1.80E-11	Arid4b
ENSMUSG00000041797.7	43.51490685	-4.41252679	3.41E-12	1.81E-11	Abca9
ENSMUSG00000043207.10	2519.444422	-1.364359876	3.43E-12	1.82E-11	Zmpste24
ENSMUSG00000029169.11	12690.7449	-1.584955826	3.44E-12	1.83E-11	Dhx15
ENSMUSG00000062901.3	2948.433287	1.852563248	3.49E-12	1.85E-11	Klhl24
ENSMUSG00000029563.16	205.3901424	1.629272961	3.50E-12	1.86E-11	Foxp2
ENSMUSG00000002396.8	121.307207	2.426029084	3.55E-12	1.88E-11	Ocel1
ENSMUSG00000037070.10	5666.886116	-0.872853503	3.57E-12	1.90E-11	Rbmx1
ENSMUSG00000089998.2	72.82194943	2.128097576	3.60E-12	1.91E-11	Phtf1os
ENSMUSG00000013663.7	9416.648629	-1.444496597	3.67E-12	1.95E-11	Pten
ENSMUSG00000007589.9	1878.429408	-1.036338689	3.69E-12	1.95E-11	Tinf2
ENSMUSG000000046178.3	65.26879463	-2.194068804	3.74E-12	1.98E-11	Nxph1
ENSMUSG00000109216.1	50.4471339	2.76039274	3.76E-12	1.99E-11	RP23-124O24.3
ENSMUSG00000025644.10	36.54793403	5.364734584	3.83E-12	2.03E-11	RP23-9P6.2
ENSMUSG00000004266.15	97.19175464	-2.035777462	3.84E-12	2.03E-11	Ptpn6
ENSMUSG00000051378.10	1546.430472	-1.776228844	3.84E-12	2.03E-11	Kif18b

ENSMUSG00000028807.2	340.1248758	1.102451047	3.84E-12	2.04E-11	Zbtb8a
ENSMUSG00000017801.15	1426.970409	-0.822776502	3.86E-12	2.04E-11	Mlx
ENSMUSG00000031026.15	324.360343	2.458046592	3.87E-12	2.05E-11	Trim66
ENSMUSG00000048911.15	981.3116108	1.921145098	3.90E-12	2.07E-11	Rnf24
ENSMUSG00000031762.7	446.2901849	2.533563499	3.93E-12	2.08E-11	Mt2
ENSMUSG00000046613.19	426.5568829	2.468245411	3.96E-12	2.10E-11	Vwa5b2
ENSMUSG00000106530.2	121.8788901	-1.819920084	3.96E-12	2.10E-11	RP23-480E8.1
ENSMUSG00000028937.14	3834.579415	1.28705496	3.98E-12	2.10E-11	Acot7
ENSMUSG00000018509.8	537.5752883	1.619567684	3.98E-12	2.11E-11	Cenpv
ENSMUSG00000116348.1	805.8189949	-1.544273745	4.02E-12	2.12E-11	RP24-129J16.1
ENSMUSG00000031536.6	2681.99936	1.300704605	4.04E-12	2.14E-11	Polb
ENSMUSG00000044906.5	1012.954592	-1.339703711	4.05E-12	2.14E-11	RP24-276H6.1
ENSMUSG00000105957.1	43.18216092	3.291773138	4.07E-12	2.15E-11	RP23-335C9.1
ENSMUSG00000098557.1	689.9741124	2.033836123	4.10E-12	2.16E-11	Kctd12
ENSMUSG00000001768.16	336.7447975	1.516283639	4.12E-12	2.18E-11	Rin2
ENSMUSG00000000561.14	5201.07774	-1.143075141	4.15E-12	2.19E-11	Wdr77
ENSMUSG00000063870.12	41081.16079	-1.517995276	4.16E-12	2.20E-11	Chd4
ENSMUSG00000106025.1	33.81685475	3.914617603	4.18E-12	2.21E-11	RP23-453M11.4
ENSMUSG00000085715.2	35.66118658	-6.254224125	4.18E-12	2.21E-11	Tsix
ENSMUSG00000028833.13	3209.17944	1.025450962	4.20E-12	2.21E-11	Ncdn
ENSMUSG00000040738.10	2766.831644	-1.634619218	4.21E-12	2.22E-11	Ints8
ENSMUSG00000040734.14	311.5669412	-1.376892028	4.22E-12	2.23E-11	Ppp1r13l
ENSMUSG00000097383.1	34.61314895	5.604354049	4.23E-12	2.23E-11	RP23-218G9.1
ENSMUSG00000038026.12	72.34793107	2.887034402	4.24E-12	2.23E-11	Kcnj9
ENSMUSG00000020846.6	925.1021828	0.928660065	4.26E-12	2.25E-11	Fam101b
ENSMUSG00000082189.1	449.8525251	-2.226647322	4.28E-12	2.26E-11	RP23-288N2.2
ENSMUSG00000021177.16	896.1922639	-1.477700538	4.28E-12	2.26E-11	Tdp1
ENSMUSG00000014873.15	1612.84258	-0.795713411	4.29E-12	2.26E-11	Surf2
ENSMUSG00000054850.4	499.3029813	1.22702042	4.29E-12	2.26E-11	Smim10l2a
ENSMUSG00000032299.10	1309.312813	1.569456209	4.34E-12	2.29E-11	Commd4
ENSMUSG00000097574.1	48.30095749	3.102436611	4.35E-12	2.29E-11	RP23-99D11.4
ENSMUSG00000041202.12	63.2265783	8.393267704	4.41E-12	2.32E-11	Pla2g2d
ENSMUSG00000058550.15	59.15877752	-4.108813373	4.49E-12	2.36E-11	Dppa4
ENSMUSG00000051316.8	2423.696421	-1.050105165	4.51E-12	2.37E-11	Taf7
ENSMUSG00000071041.4	10412.36415	-1.459510178	4.51E-12	2.37E-11	AC122514.1
ENSMUSG00000028232.13	742.2014302	1.089723959	4.56E-12	2.40E-11	Tmem68
ENSMUSG00000026615.14	17884.73748	-0.911384912	4.57E-12	2.40E-11	Eprs
ENSMUSG000000084846.1	149.7805286	2.931971437	4.62E-12	2.43E-11	AC087062.7
ENSMUSG00000040488.17	761.724025	-1.91318546	4.78E-12	2.51E-11	Ltbp4
ENSMUSG00000030089.15	92.16315797	2.021888724	4.87E-12	2.56E-11	Slc41a3
ENSMUSG00000037287.15	1276.261704	0.829066277	4.89E-12	2.57E-11	Tbcel
ENSMUSG000000084020.3	212.144735	2.030624582	4.90E-12	2.57E-11	Wsb2-ps
ENSMUSG00000052609.9	584.8513815	-1.628429149	4.96E-12	2.60E-11	Plekhg3
ENSMUSG00000021420.13	546.1289509	1.285186505	4.98E-12	2.62E-11	Fars2
ENSMUSG00000025630.8	3233.773827	-1.127216939	5.03E-12	2.64E-11	Hprt
ENSMUSG00000003923.14	3890.554438	-0.773517556	5.05E-12	2.65E-11	Tfam
ENSMUSG00000024422.14	2289.779817	-1.034530549	5.12E-12	2.68E-11	Dhx16
ENSMUSG00000004565.15	1845.277874	-1.698992568	5.20E-12	2.73E-11	Pnpla6
ENSMUSG000000037206.15	62.69815606	8.38091289	5.27E-12	2.77E-11	Islr
ENSMUSG00000022076.10	36.80655638	8.57360931	5.29E-12	2.77E-11	Kih1
ENSMUSG00000071324.11	42.82145822	3.147334877	5.30E-12	2.78E-11	Armc2
ENSMUSG00000081627.1	73.23354578	-2.407662627	5.31E-12	2.78E-11	RP23-360J20.6
ENSMUSG000000047459.14	3783.342697	1.91582416	5.32E-12	2.79E-11	Dynlrb1
ENSMUSG00000032328.12	6248.754593	1.233109567	5.44E-12	2.85E-11	Tmem30a
ENSMUSG00000039620.17	154.1624667	-1.608925723	5.47E-12	2.87E-11	AC168051.1
ENSMUSG00000024301.9	1564.508728	-0.804189914	5.48E-12	2.87E-11	Kifc5b
ENSMUSG000000027820.12	783.5343325	-1.469836739	5.51E-12	2.89E-11	Mme
ENSMUSG00000033781.7	604.5355569	1.37027169	5.53E-12	2.89E-11	Asb13
ENSMUSG00000037337.11	480.5323722	-1.043182327	5.53E-12	2.90E-11	Map4k1
ENSMUSG000000036019.8	412.1636362	2.331593125	5.56E-12	2.96E-11	Tmtc2
ENSMUSG00000035772.11	1933.916816	-1.26456425	5.65E-12	2.96E-11	Mrps2
ENSMUSG00000044566.15	73.75796056	2.493390534	5.66E-12	2.96E-11	Cage1
ENSMUSG00000084325.2	53.87529766	-2.899882054	5.66E-12	2.96E-11	RP23-20L3.1
ENSMUSG00000108634.1	34.40675656	3.232911496	5.66E-12	2.96E-11	RP24-402O2.2
ENSMUSG00000051124.6	153.9612679	-1.442438655	5.74E-12	3.00E-11	Gimap9
ENSMUSG00000047067.7	261.6224492	1.77196948	5.77E-12	3.02E-11	Dusp28
ENSMUSG00000108880.1	190.0033438	4.228369359	5.84E-12	3.06E-11	RP24-439I22.4
ENSMUSG00000113936.1	812.2814385	-1.406556373	5.85E-12	3.06E-11	RP23-68K21.2
ENSMUSG00000003099.11	4201.904453	-1.061129777	5.85E-12	3.06E-11	Ppp5c
ENSMUSG00000049658.13	2544.706607	-1.807706475	5.87E-12	3.07E-11	Bdp1
ENSMUSG000000096210.2	1827.025873	-0.991736982	5.94E-12	3.10E-11	H1f0
ENSMUSG00000031505.11	1189.361249	1.452364015	5.94E-12	3.10E-11	Carkd
ENSMUSG00000091905.3	2264.457686	0.918035238	5.96E-12	3.11E-11	RP24-477K18.1
ENSMUSG00000106241.1	29.13427553	-5.223780446	5.98E-12	3.12E-11	RP24-121I11.4
ENSMUSG000000063681.14	218.1581452	2.246602341	6.04E-12	3.16E-11	Crb1
ENSMUSG00000055494.5	45.14781929	3.440980886	6.07E-12	3.17E-11	RP23-55C8.3
ENSMUSG00000001627.12	3915.571662	-0.945058943	6.13E-12	3.20E-11	lfrd1
ENSMUSG00000048677.9	353.507494	-1.586258672	6.21E-12	3.24E-11	Tpcn2
ENSMUSG00000003039.9	3754.475094	1.52382438	6.22E-12	3.25E-11	Fam32a
ENSMUSG00000073554.3	228.5390566	-1.663552985	6.26E-12	3.26E-11	Gm6960
ENSMUSG00000039983.13	650.2478883	1.409017466	6.28E-12	3.28E-11	Ccdc32
ENSMUSG00000083930.1	78.73972459	-2.714939187	6.33E-12	3.30E-11	RP23-58H5.5
ENSMUSG00000039176.17	2768.398889	-1.047477756	6.33E-12	3.30E-11	Polg

ENSMUSG00000042770.8	754.6554518	2.099754816	6.37E-12	3.32E-11	Hebp1
ENSMUSG00000049235.8	4386.473726	-0.884871665	6.38E-12	3.32E-11	RP23-299A24.2
ENSMUSG00000032076.19	8543.158204	1.153348674	6.40E-12	3.33E-11	Cadm1
ENSMUSG00000019828.13	35.34372943	5.630079338	6.41E-12	3.34E-11	Grm1
ENSMUSG00000029672.16	1710.660279	-0.805198242	6.44E-12	3.36E-11	Fam3c
ENSMUSG00000031955.10	5929.574139	-1.438150846	6.50E-12	3.38E-11	Bcar1
ENSMUSG00000037443.13	2192.531714	-1.305425232	6.51E-12	3.39E-11	Cep85
ENSMUSG0000004071.13	2956.609479	0.82374725	6.53E-12	3.40E-11	Cdip1
ENSMUSG00000036764.12	342.1752327	1.36809195	6.54E-12	3.40E-11	Dnajc12
ENSMUSG00000014232.14	426.1863887	1.521199581	6.56E-12	3.41E-11	Cluap1
ENSMUSG00000060950.12	1003.685761	-1.216261251	6.63E-12	3.45E-11	Trmt61a
ENSMUSG00000025494.8	47.44889635	-2.931967814	6.75E-12	3.51E-11	Sigirr
ENSMUSG00000001794.13	4106.309413	1.233407538	6.80E-12	3.53E-11	Capns1
ENSMUSG00000055239.10	2997.247499	-0.806913554	6.80E-12	3.54E-11	Kcmf1
ENSMUSG00000079109.11	1046.794513	-1.109983382	6.85E-12	3.56E-11	Pms2
ENSMUSG00000034032.15	2013.956014	-1.783576685	6.89E-12	3.58E-11	Rpap1
ENSMUSG00000097566.1	41.21258008	8.744157641	7.07E-12	3.67E-11	A930024N18Rik
ENSMUSG00000024935.10	83.73063172	2.594168107	7.09E-12	3.69E-11	Slc1a1
ENSMUSG00000029472.13	10431.39774	0.701591633	7.10E-12	3.69E-11	Anapc5
ENSMUSG00000020014.17	73.46543361	3.798533443	7.17E-12	3.72E-11	Cfap54
ENSMUSG00000020954.16	3316.583184	-0.99313086	7.18E-12	3.73E-11	Strn3
ENSMUSG00000045275.15	41.79154155	6.301221201	7.19E-12	3.73E-11	Lca5l
ENSMUSG00000042807.15	739.7335294	-1.454059746	7.20E-12	3.73E-11	Hecw2
ENSMUSG00000080979.3	241.0257248	-1.23149267	7.20E-12	3.73E-11	RP23-365O18.1
ENSMUSG00000033021.16	1070.022492	0.898197756	7.22E-12	3.75E-11	Gmppa
ENSMUSG00000004394.12	3922.720456	0.823505124	7.24E-12	3.75E-11	Tmed4
ENSMUSG000000092490.7	361.3468602	1.116415484	7.26E-12	3.77E-11	RP24-421K16.1
ENSMUSG00000002416.13	1095.411027	2.028371286	7.36E-12	3.82E-11	Ndufb2
ENSMUSG00000029480.13	1508.152548	-1.15154051	7.39E-12	3.83E-11	Dhx37
ENSMUSG00000025078.8	746.5112116	-2.148408973	7.51E-12	3.89E-11	Nhlrc2
ENSMUSG00000031323.8	34.83044471	8.495142177	7.53E-12	3.90E-11	Dmrct1a
ENSMUSG00000000631.20	3349.621491	1.909969689	7.63E-12	3.96E-11	Myo18a
ENSMUSG00000085837.8	65.21815476	3.515268185	7.67E-12	3.97E-11	Kcnmb4os2
ENSMUSG00000037568.12	1870.439963	1.317395385	7.68E-12	3.98E-11	Vash2
ENSMUSG00000074673.15	40.88401396	6.270489471	7.69E-12	3.98E-11	Tll9
ENSMUSG00000112017.1	83.80524108	-2.063912231	7.70E-12	3.98E-11	RP23-473N3.8
ENSMUSG00000028032.13	1894.195875	1.304083815	7.74E-12	4.01E-11	Papss1
ENSMUSG000000028626.5	290.237879	1.380202698	7.89E-12	4.08E-11	Col9a2
ENSMUSG00000052942.13	276.5425172	2.57369897	7.91E-12	4.09E-11	Glis3
ENSMUSG00000021025.8	490.2362451	2.036962716	7.92E-12	4.09E-11	Nfkbia
ENSMUSG00000000942.10	59.65090163	8.307499615	8.01E-12	4.14E-11	Hoxa4
ENSMUSG00000072381.3	1185.709933	-1.983179441	8.03E-12	4.15E-11	RP23-347G20.2
ENSMUSG00000002944.15	66.73945134	2.318271294	8.04E-12	4.15E-11	Cd36
ENSMUSG00000082279.1	222.9264799	-1.485136583	8.04E-12	4.16E-11	RP23-392J14.3
ENSMUSG00000038677.13	1099.486752	2.659412168	8.09E-12	4.18E-11	Scube3
ENSMUSG00000113174.1	227.6894771	1.748817362	8.26E-12	4.27E-11	RP23-249A17.1
ENSMUSG00000032349.13	5523.965557	-1.24456946	8.33E-12	4.30E-11	Elovl5
ENSMUSG00000025207.15	1363.291273	2.058771178	8.33E-12	4.30E-11	Sema4g
ENSMUSG00000038859.7	306.9603275	-1.415892504	8.42E-12	4.35E-11	Baiap2l1
ENSMUSG00000032303.7	44.2230401	6.390912949	8.59E-12	4.44E-11	Chrna3
ENSMUSG00000022335.17	353.3460415	-1.504477575	8.62E-12	4.45E-11	Zfat
ENSMUSG00000039680.10	1111.28204	1.699295597	8.82E-12	4.55E-11	Mrps6
ENSMUSG00000043424.10	6861.90906	-1.258334048	8.87E-12	4.58E-11	Eif3j2
ENSMUSG00000019432.15	12690.11659	-0.786337875	8.94E-12	4.61E-11	Ddx39b
ENSMUSG00000034042.16	2133.683326	-0.835245748	8.95E-12	4.62E-11	Gbbp1l1
ENSMUSG00000103658.1	147.8403966	-1.729306321	8.99E-12	4.64E-11	RP24-498P8.3
ENSMUSG000000045083.14	64.13025579	8.415425343	8.99E-12	4.64E-11	Lingo2
ENSMUSG00000063253.11	3578.280141	0.830490392	9.05E-12	4.66E-11	Scoc
ENSMUSG00000047976.4	110.9614874	2.015318312	9.08E-12	4.68E-11	Kcna1
ENSMUSG000000046834.7	72.65607036	2.409042609	9.10E-12	4.69E-11	Krt1
ENSMUSG00000064128.8	729.663773	-1.422133886	9.11E-12	4.69E-11	Cenpj
ENSMUSG00000036686.16	1005.210086	1.189626627	9.22E-12	4.75E-11	Cc2d1a
ENSMUSG00000017858.12	1281.186373	0.974201761	9.31E-12	4.80E-11	lft52
ENSMUSG000000041020.14	6022.12868	1.038494478	9.31E-12	4.80E-11	Map7d2
ENSMUSG00000086965.1	148.6315294	-2.059457652	9.35E-12	4.81E-11	RP23-432E14.2
ENSMUSG00000037544.14	2743.462489	-1.715906614	9.36E-12	4.82E-11	Dlgap5
ENSMUSG00000047307.2	58.80744281	8.288441535	9.36E-12	4.82E-11	Pcdhb13
ENSMUSG00000031907.9	842.8550604	1.580400052	9.37E-12	4.82E-11	Zfp90
ENSMUSG00000039686.14	1290.868094	1.456123489	9.40E-12	4.84E-11	Zer1
ENSMUSG00000019558.14	1566.691375	1.506000716	9.44E-12	4.86E-11	Slc6a8
ENSMUSG00000019863.7	544.1092797	-0.939535638	9.55E-12	4.91E-11	Qrs1
ENSMUSG00000021113.5	651.022764	1.119270177	9.70E-12	4.99E-11	Snappc1
ENSMUSG00000035606.8	29.00147331	-5.222096071	9.73E-12	5.00E-11	Ky
ENSMUSG00000106746.1	35.0423788	4.57945925	9.74E-12	5.01E-11	RP24-82B9.1
ENSMUSG00000020808.3	1953.616504	-1.04119642	9.77E-12	5.02E-11	Fam64a
ENSMUSG00000035878.13	310.8236266	-1.887361642	9.86E-12	5.06E-11	Hykk
ENSMUSG00000057637.13	6544.206548	-2.132211072	9.89E-12	5.08E-11	Prdm2
ENSMUSG00000114075.1	163.8975093	-1.601427786	9.93E-12	5.10E-11	RP23-174O6.1
ENSMUSG000000022827.14	897.4329963	-0.843916354	9.95E-12	5.11E-11	Rab13
ENSMUSG00000100455.1	224.4619462	1.472549809	1.00E-11	5.13E-11	RP23-90A8.2
ENSMUSG00000005089.15	1033.42176	2.217844574	1.01E-11	5.17E-11	Slc1a2
ENSMUSG000000047657.6	420.7638117	-1.182187774	1.02E-11	5.21E-11	RP24-247P24.1
ENSMUSG00000050357.9	235.7556277	1.268545359	1.02E-11	5.24E-11	Carmil2

ENSMUSG00000024095.15	5133.999181	-1.095469068	1.02E-11	5.25E-11	Hnrnpll
ENSMUSG00000020621.6	576.4601792	1.328350424	1.04E-11	5.32E-11	Rdh14
ENSMUSG00000044854.7	41.77282417	4.015125359	1.05E-11	5.38E-11	RP23-326A12.1
ENSMUSG00000024410.14	1027.92949	-1.266891994	1.05E-11	5.40E-11	AC102096.1
ENSMUSG00000036023.6	1859.400432	-1.045708871	1.08E-11	5.53E-11	Parp2
ENSMUSG00000048776.8	33.11427096	8.426477865	1.09E-11	5.58E-11	Pthlh
ENSMUSG00000009734.18	265.5630753	1.416537574	1.09E-11	5.61E-11	Pou6f2
ENSMUSG000000087024.1	36.32744492	3.794048018	1.10E-11	5.62E-11	RP23-26D22.9
ENSMUSG00000014791.10	66.18600865	-2.202603943	1.12E-11	5.73E-11	Elmo3
ENSMUSG00000082194.3	412.8471866	-2.06982149	1.12E-11	5.73E-11	RP23-423O7.2
ENSMUSG00000027353.14	755.8518724	-1.089395555	1.12E-11	5.76E-11	Mcm8
ENSMUSG00000037020.16	598.3494428	-1.227897664	1.14E-11	5.81E-11	Wdr62
ENSMUSG00000031245.8	7598.894193	-1.161018983	1.16E-11	5.93E-11	Hmgn5
ENSMUSG00000071230.6	33.76148821	-6.15541836	1.17E-11	5.97E-11	Npw
ENSMUSG00000101685.1	64.15034402	-2.071401281	1.19E-11	6.07E-11	RP24-108N24.2
ENSMUSG00000102550.1	3660.711951	-2.117541071	1.19E-11	6.09E-11	RP23-241H7.1
ENSMUSG00000037280.12	34.10047631	-3.858792756	1.19E-11	6.11E-11	Galnt6
ENSMUSG00000040570.14	1439.275994	1.42887555	1.19E-11	6.11E-11	Rundc3b
ENSMUSG00000026387.15	31.9458695	3.966423852	1.21E-11	6.18E-11	Sctr
ENSMUSG00000073155.12	2443.603734	1.96255894	1.22E-11	6.22E-11	RP23-338E5.2
ENSMUSG00000022515.6	1012.993487	0.860111395	1.22E-11	6.24E-11	Anks3
ENSMUSG00000024400.15	4041.419189	-1.224117999	1.25E-11	6.37E-11	Wdr33
ENSMUSG00000030168.13	6996.455414	-1.18254739	1.25E-11	6.40E-11	Adipor2
ENSMUSG00000071516.2	218.4150561	-2.607656032	1.26E-11	6.46E-11	Hist1h2ai
ENSMUSG00000020319.9	183.9257008	1.591388198	1.27E-11	6.46E-11	Wdpcp
ENSMUSG00000082988.3	2101.423893	-2.611746446	1.27E-11	6.48E-11	AC157606.1
ENSMUSG00000027956.11	145.1795704	-1.435487205	1.27E-11	6.49E-11	Tmem144
ENSMUSG00000007080.14	2516.299305	-2.388955781	1.28E-11	6.53E-11	Pole
ENSMUSG00000020359.13	493.6135283	-1.101721847	1.29E-11	6.60E-11	Phykpl
ENSMUSG00000085385.7	1785.694215	-1.078021741	1.30E-11	6.63E-11	Snhg17
ENSMUSG00000028188.13	179.7650758	2.191733232	1.31E-11	6.67E-11	Spata1
ENSMUSG00000042644.8	439.1415253	-2.457285676	1.32E-11	6.72E-11	Itpr3
ENSMUSG00000054474.15	94.77892843	2.244268966	1.32E-11	6.74E-11	Thnsl2
ENSMUSG00000102525.1	161.5484996	-1.769860815	1.33E-11	6.77E-11	RP23-396119.1
ENSMUSG00000028228.5	1110.554457	-2.188247616	1.33E-11	6.79E-11	Cpne3
ENSMUSG00000074922.1	262.3688104	1.283870935	1.33E-11	6.79E-11	Fam122a
ENSMUSG00000034480.18	335.4334005	-1.478366793	1.35E-11	6.88E-11	Diaph2
ENSMUSG00000080999.1	107.781915	-2.409883973	1.35E-11	6.90E-11	RP23-480B19.12
ENSMUSG00000000811.13	444.5410608	1.108296712	1.36E-11	6.92E-11	Txnrd3
ENSMUSG00000001424.14	6469.251421	-1.066811932	1.37E-11	6.98E-11	Snd1
ENSMUSG00000047155.13	76.66087065	3.461382572	1.38E-11	7.03E-11	Cyp4x1
ENSMUSG00000046027.17	548.2163784	-1.070130833	1.40E-11	7.13E-11	Stard5
ENSMUSG00000054967.7	551.254677	0.99310117	1.42E-11	7.23E-11	Zfp647
ENSMUSG00000097752.2	55.19685298	8.195406468	1.42E-11	7.25E-11	RP24-132N9.1
ENSMUSG00000057342.15	844.6728035	-0.951928335	1.43E-11	7.28E-11	Sphk2
ENSMUSG00000110644.1	1483.095514	-1.796275444	1.43E-11	7.28E-11	RP24-343P7.1
ENSMUSG00000100033.1	15628.97903	-1.194704131	1.46E-11	7.41E-11	RP23-241J21.1
ENSMUSG00000034664.13	78.94711561	1.869763822	1.46E-11	7.42E-11	Itga2b
ENSMUSG00000031393.16	2372.664794	1.402695543	1.47E-11	7.46E-11	Mecp2
ENSMUSG00000002778.14	2316.195411	0.88042187	1.47E-11	7.46E-11	Kdeir1
ENSMUSG00000056531.11	279.9935377	-1.437305858	1.51E-11	7.66E-11	Ccdc18
ENSMUSG00000026020.9	13629.14881	-1.318422401	1.51E-11	7.67E-11	Nop58
ENSMUSG00000026904.17	44.78461026	6.402791282	1.52E-11	7.70E-11	Slc4a10
ENSMUSG00000039108.14	4425.24794	0.732679148	1.52E-11	7.72E-11	Lsm14b
ENSMUSG00000036281.13	1620.75839	-1.513757898	1.52E-11	7.74E-11	Snapc4
ENSMUSG00000106334.1	138.2186598	-2.956071757	1.53E-11	7.76E-11	WI1-49P9.2
ENSMUSG00000051790.15	5068.879739	1.94717279	1.53E-11	7.77E-11	Nlgn2
ENSMUSG00000064387.1	27.98883186	-4.290206785	1.54E-11	7.79E-11	Snora73a
ENSMUSG00000040389.15	1442.517794	1.893735223	1.54E-11	7.80E-11	Wdr47
ENSMUSG00000026305.15	1988.495128	-0.990869223	1.56E-11	7.93E-11	Lrrfip1
ENSMUSG00000027550.14	1388.083128	0.944047219	1.57E-11	7.96E-11	Lrrcc1
ENSMUSG00000110149.1	177.2601577	-1.396459816	1.59E-11	8.07E-11	RP24-351P7.5
ENSMUSG00000052291.8	79.7510921	2.134256935	1.60E-11	8.11E-11	RP24-420A20.8
ENSMUSG000000096188.1	4017.555388	-1.460502834	1.60E-11	8.13E-11	Cmtn4
ENSMUSG00000020326.7	1629.511725	0.886600926	1.60E-11	8.13E-11	Ccng1
ENSMUSG00000052631.14	37.23164592	3.630231559	1.61E-11	8.14E-11	Sh2d6
ENSMUSG00000042901.10	1462.93594	0.814385453	1.62E-11	8.20E-11	Aida
ENSMUSG00000028641.16	1471.044733	-0.938854663	1.62E-11	8.21E-11	P3h1
ENSMUSG00000048000.15	3983.169265	-1.503332242	1.62E-11	8.21E-11	Gigyf2
ENSMUSG00000083774.1	852.5128779	-1.422333484	1.64E-11	8.30E-11	AC162897.3
ENSMUSG000000062794.8	580.2879361	-1.201821252	1.65E-11	8.34E-11	Zfp599
ENSMUSG00000116898.1	46.55378098	5.436207739	1.65E-11	8.35E-11	RP23-332O12.8
ENSMUSG00000031337.16	554.9958929	-1.35107425	1.66E-11	8.39E-11	Mtm1
ENSMUSG00000000792.2	123.5799043	-3.412596641	1.66E-11	8.39E-11	Slc5a5
ENSMUSG00000042487.6	2133.203568	-0.864819556	1.67E-11	8.46E-11	Leo1
ENSMUSG00000022754.6	151.776909	-1.377835688	1.67E-11	8.47E-11	Tmem45a
ENSMUSG00000042596.7	41.7143326	5.871051088	1.67E-11	8.47E-11	Tfap2d
ENSMUSG00000083823.3	157.2734791	-1.731060108	1.68E-11	8.48E-11	Amd-ps1
ENSMUSG00000014164.15	570.744321	2.046493817	1.68E-11	8.51E-11	Klh3
ENSMUSG00000024135.9	1577.685609	-1.215789775	1.69E-11	8.57E-11	Srbd1
ENSMUSG00000030589.15	204.2629219	-1.515919851	1.72E-11	8.71E-11	Rasgrp4
ENSMUSG00000022346.15	718.0181896	-1.306066488	1.74E-11	8.78E-11	Myc
ENSMUSG00000029193.7	40.05378276	6.240352408	1.76E-11	8.90E-11	Cckar

ENSMUSG00000006169.19	5737.71284	-1.33722898	1.77E-11	8.95E-11	Clint1
ENSMUSG00000026516.8	4370.581158	-1.471682122	1.78E-11	8.99E-11	Nvl
ENSMUSG000000110003.1	36.8077552	-3.277256412	1.79E-11	9.02E-11	RP24-487D5.4
ENSMUSG000000068735.14	3748.572869	1.365202764	1.80E-11	9.09E-11	Trp53i11
ENSMUSG000000039270.9	1419.48493	2.157276063	1.84E-11	9.29E-11	Megf9
ENSMUSG000000102854.1	39.50674512	6.205578727	1.84E-11	9.30E-11	RP24-252G15.5
ENSMUSG00000071533.11	5964.557954	-0.729787746	1.89E-11	9.53E-11	Pcnp
ENSMUSG00000044068.7	1744.634867	1.070527451	1.92E-11	9.68E-11	Zrsr1
ENSMUSG000000110726.1	368.1398185	1.180001709	1.92E-11	9.68E-11	RP23-242K3.6
ENSMUSG00000004040.16	2516.907939	1.516641343	1.94E-11	9.76E-11	Stat3
ENSMUSG00000073633.9	47.38120168	2.910911596	1.94E-11	9.80E-11	Fbxo36
ENSMUSG000000033809.15	764.037114	-0.857728485	1.95E-11	9.82E-11	Alg3
ENSMUSG00000046865.7	4568.79082	-1.716042888	1.95E-11	9.85E-11	Fbl
ENSMUSG00000007670.9	7427.478824	-1.964930932	1.96E-11	9.88E-11	Khsp
ENSMUSG000000100691.1	379.9935602	2.113135214	1.96E-11	9.89E-11	RP23-410L16.1
ENSMUSG000000057337.13	176.5863716	-2.123707852	1.98E-11	9.96E-11	Chst3
ENSMUSG00000028753.12	61.02110942	3.312820899	2.03E-11	1.02E-10	Vwa5b1
ENSMUSG00000042826.13	248.2406895	1.944667952	2.05E-11	1.03E-10	Fgf11
ENSMUSG000000065037.1	93.54442604	3.377185823	2.05E-11	1.03E-10	Rn7sk
ENSMUSG000000038608.15	106.4696317	2.703303432	2.07E-11	1.04E-10	Dock10
ENSMUSG00000022558.16	754.9492213	1.542812895	2.11E-11	1.06E-10	Mroh1
ENSMUSG00000027809.14	1194.497999	1.025299534	2.11E-11	1.06E-10	Etfhd
ENSMUSG000000032375.15	922.8678921	1.691828881	2.11E-11	1.06E-10	Aph1b
ENSMUSG00000022003.7	526.2840804	-1.40820854	2.16E-11	1.08E-10	Slc25a30
ENSMUSG00000027508.15	722.4947671	2.293027038	2.19E-11	1.10E-10	Pag1
ENSMUSG000000021123.12	51.81605247	-2.338703693	2.20E-11	1.11E-10	Rdh12
ENSMUSG000000113992.1	56.24995673	2.185666462	2.21E-11	1.11E-10	RP23-474G1.1
ENSMUSG00000005413.8	1328.66128	-1.105481505	2.24E-11	1.13E-10	Hmox1
ENSMUSG00000026224.11	44.48204664	6.375883928	2.25E-11	1.13E-10	AC107707.3
ENSMUSG00000008129.14	33.55680926	3.458723979	2.25E-11	1.13E-10	AC159266.3
ENSMUSG000000020766.4	3922.892414	-1.970811681	2.26E-11	1.13E-10	Galk1
ENSMUSG00000006941.5	2481.22486	1.566161521	2.28E-11	1.14E-10	Eif1b
ENSMUSG000000083554.1	217.4928135	-2.783231853	2.28E-11	1.14E-10	RP23-124I6.1
ENSMUSG000000101049.1	49.49388369	-2.693676202	2.28E-11	1.14E-10	RP24-81G13.1
ENSMUSG000000036777.8	3223.287017	-2.084924484	2.32E-11	1.16E-10	Anln
ENSMUSG00000025086.12	1113.88887	-0.836609642	2.34E-11	1.18E-10	Trub1
ENSMUSG000000097820.3	56.88309089	2.958555848	2.35E-11	1.18E-10	RP24-93F20.4
ENSMUSG000000060534.15	453.265631	7.404672615	2.39E-11	1.20E-10	Dcc
ENSMUSG00000025551.13	136.665482	1.582643136	2.39E-11	1.20E-10	Fgf14
ENSMUSG000000057842.14	118.8766278	-2.070374298	2.39E-11	1.20E-10	Zfp595
ENSMUSG000000057133.14	5117.011305	-1.754575664	2.40E-11	1.20E-10	Chd6
ENSMUSG000000112893.1	44.3712308	-4.257729234	2.41E-11	1.21E-10	RP23-438F16.3
ENSMUSG00000021794.16	6859.998298	-0.876716261	2.43E-11	1.22E-10	Glud1
ENSMUSG00000026879.14	329.2807416	1.441988435	2.43E-11	1.22E-10	Gsn
ENSMUSG000000035852.11	37.3077041	6.132938854	2.46E-11	1.23E-10	Misp
ENSMUSG000000038055.12	356.0749645	1.626187224	2.46E-11	1.23E-10	Dexi
ENSMUSG000000037705.13	34.16816787	5.258057192	2.47E-11	1.24E-10	Tecta
ENSMUSG00000029311.16	457.2587666	-1.13609588	2.52E-11	1.26E-10	Hsd17b11
ENSMUSG00000027380.10	27.88897974	-5.165949494	2.52E-11	1.26E-10	Acol1
ENSMUSG000000031756.5	1052.663991	-1.0117591	2.52E-11	1.26E-10	Cenpn
ENSMUSG00000028392.15	51.78596427	-2.656437799	2.56E-11	1.28E-10	Bspry
ENSMUSG00000073374.3	73.51574769	1.837263678	2.58E-11	1.29E-10	RP24-381E21.2
ENSMUSG00000008398.15	183.9931721	-1.784228918	2.59E-11	1.29E-10	Eik3
ENSMUSG00000022443.17	9137.20029	-2.389423197	2.60E-11	1.30E-10	Myh9
ENSMUSG00000074340.9	226.27378	1.653598674	2.60E-11	1.30E-10	Ovgp1
ENSMUSG00000021592.17	172.2392911	-1.564526038	2.61E-11	1.30E-10	Arsk
ENSMUSG000000026470.14	1904.943089	0.817910383	2.61E-11	1.31E-10	Stx6
ENSMUSG000000050321.2	106.0600856	2.362606873	2.69E-11	1.34E-10	Neto1
ENSMUSG00000008036.11	3680.699523	2.341617556	2.74E-11	1.37E-10	Ap2s1
ENSMUSG000000111990.1	31.77286226	8.365744302	2.75E-11	1.37E-10	RP23-137I3.2
ENSMUSG00000023968.15	36.09765944	6.085786828	2.76E-11	1.38E-10	Crip3
ENSMUSG00000040383.16	4062.089736	-2.24840257	2.80E-11	1.40E-10	Aqr
ENSMUSG000000091131.1	33.93802764	5.558045192	2.84E-11	1.42E-10	RP23-473B17.2
ENSMUSG000000021831.9	4237.089206	-1.47753003	2.85E-11	1.42E-10	Ero1l
ENSMUSG00000024101.14	1261.364531	1.212450904	2.86E-11	1.43E-10	Washc1
ENSMUSG00000014426.8	2349.11036	-1.601314035	2.86E-11	1.43E-10	Map3k4
ENSMUSG000000110816.1	39.0614859	2.753884357	2.87E-11	1.43E-10	RP24-344D19.3
ENSMUSG000000067919.8	343.2660786	-2.646642477	2.88E-11	1.44E-10	Rex2
ENSMUSG000000098369.6	282.7924365	-1.478600932	2.89E-11	1.44E-10	Anxa11-ps2
ENSMUSG000000033880.11	37.15506945	3.186872518	2.96E-11	1.47E-10	Lgals3bp
ENSMUSG000000048592.9	147.5733103	2.531562798	2.96E-11	1.48E-10	RP23-277K12.3
ENSMUSG00000019578.11	1908.013828	1.773997367	2.98E-11	1.49E-10	Ubxn6
ENSMUSG00000046947.12	381.1891991	1.57715869	3.01E-11	1.50E-10	Adck2
ENSMUSG00000001524.14	992.8653752	-1.318959831	3.01E-11	1.50E-10	Gtf2h4
ENSMUSG000000090994.1	336.3290459	-2.130735396	3.01E-11	1.50E-10	RP23-210C12.2
ENSMUSG00000024287.7	3795.872276	-0.757108124	3.05E-11	1.52E-10	Thoc1
ENSMUSG000000116093.1	31.84595103	4.107251354	3.09E-11	1.54E-10	RP23-276I6.2
ENSMUSG000000034247.9	1641.766482	-1.329534965	3.10E-11	1.54E-10	Plekhm1
ENSMUSG000000029176.13	3670.117092	0.728764398	3.11E-11	1.55E-10	Anapc4
ENSMUSG00000021112.9	1724.301659	-1.202887926	3.12E-11	1.55E-10	Mpp5
ENSMUSG000000069089.8	1727.855364	-0.965663696	3.12E-11	1.55E-10	Cdk7
ENSMUSG000000021662.10	370.4004533	-1.727629333	3.18E-11	1.58E-10	Arhgef28
ENSMUSG00000028294.15	28.43824024	4.982858554	3.19E-11	1.59E-10	Cfap206

ENSMUSG00000112368.1	101.5632574	1.918636472	3.20E-11	1.59E-10	RP24-491I24.2
ENSMUSG00000053025.13	28.51242594	4.106913268	3.21E-11	1.60E-10	Sv2b
ENSMUSG00000028736.13	48.29510061	7.10783208	3.25E-11	1.62E-10	Pax7
ENSMUSG00000037325.10	395.4757857	1.452021402	3.30E-11	1.64E-10	Bbs7
ENSMUSG000000095044.7	28.5487832	8.211281379	3.31E-11	1.65E-10	RP24-553G19.3
ENSMUSG00000060149.7	359.8821668	-1.552963514	3.32E-11	1.65E-10	RP23-7F9.1
ENSMUSG00000073460.4	59.84322105	-2.249216574	3.35E-11	1.66E-10	Pnlcd1
ENSMUSG00000113705.1	48.43447573	4.579080917	3.35E-11	1.66E-10	RP23-80G15.3
ENSMUSG00000039706.11	983.5899067	-1.112969031	3.35E-11	1.66E-10	Ldb2
ENSMUSG00000047875.6	101.8743791	1.91794463	3.36E-11	1.67E-10	Gpr157
ENSMUSG00000100319.1	598.1230643	-1.385220397	3.37E-11	1.67E-10	RP24-211L16.3
ENSMUSG00000087236.3	45.10828441	-2.52627212	3.39E-11	1.68E-10	AC113977.3
ENSMUSG00000046836.13	2277.166523	1.214867316	3.41E-11	1.69E-10	Brox
ENSMUSG00000030327.8	3860.149639	0.704711155	3.42E-11	1.70E-10	Necap1
ENSMUSG00000087259.7	98.74455823	1.969867291	3.42E-11	1.70E-10	RP23-468D17.1
ENSMUSG00000009129.1	33.0552176	3.882382118	3.53E-11	1.75E-10	4930507D05Rik
ENSMUSG00000112054.1	36.52801697	6.106888055	3.61E-11	1.79E-10	RP23-123J19.1
ENSMUSG00000003573.15	868.4210953	1.189091412	3.61E-11	1.79E-10	Homer3
ENSMUSG00000062209.15	396.2744436	2.240476205	3.64E-11	1.81E-10	ErbB4
ENSMUSG00000081633.1	85.33529029	-1.801278408	3.65E-11	1.81E-10	RP23-153K9.1
ENSMUSG00000038048.8	32.97847874	5.198374174	3.66E-11	1.82E-10	Cntnap5c
ENSMUSG00000032612.14	4075.140787	0.761535666	3.69E-11	1.83E-10	Usp4
ENSMUSG00000113601.1	35.18368275	-2.930337405	3.77E-11	1.87E-10	RP23-216C6.4
ENSMUSG00000001988.9	51.3235896	-3.165797447	3.78E-11	1.87E-10	Npas1
ENSMUSG00000107002.1	983.673484	2.109085952	3.79E-11	1.88E-10	RP24-261H7.9
ENSMUSG00000031343.13	653.7945616	1.28163651	3.81E-11	1.89E-10	Gabra3
ENSMUSG00000041729.15	849.9099059	1.882802581	3.82E-11	1.89E-10	Coro2b
ENSMUSG00000021779.17	119.4306679	-2.055095904	3.85E-11	1.90E-10	Thrb
ENSMUSG00000102305.1	39.88493035	4.617127711	3.87E-11	1.92E-10	RP24-176F12.12
ENSMUSG00000039046.15	2144.907943	-0.966043579	3.89E-11	1.92E-10	Usp6nl
ENSMUSG00000033009.15	1519.764728	-1.716930604	3.90E-11	1.93E-10	Ogfod1
ENSMUSG00000025226.11	347.3487587	2.042843969	3.92E-11	1.94E-10	Fbx15
ENSMUSG00000103762.1	33.65385657	4.17622592	3.93E-11	1.94E-10	RP24-168F13.1
ENSMUSG00000043991.4	437.5507197	1.738578579	3.94E-11	1.95E-10	Pura
ENSMUSG00000020464.15	3493.229613	-2.059207656	3.98E-11	1.97E-10	Pnpt1
ENSMUSG00000051599.4	63.3176452	3.956619387	4.00E-11	1.98E-10	Pcdhb2
ENSMUSG00000039257.11	741.9557846	1.220943382	4.14E-11	2.05E-10	Vstm2b
ENSMUSG00000032179.7	49.65769336	2.332789455	4.15E-11	2.05E-10	Bmp5
ENSMUSG00000097431.2	156.3234573	1.671655402	4.20E-11	2.08E-10	RP23-138C14.7
ENSMUSG00000015711.8	1523.984413	1.197669941	4.20E-11	2.08E-10	Prune
ENSMUSG00000007827.10	1794.611097	-1.010398859	4.24E-11	2.10E-10	Ankrd26
ENSMUSG00000083964.1	531.6765338	-1.530250269	4.29E-11	2.12E-10	RP23-356H10.2
ENSMUSG00000044783.16	5503.098472	-1.532709571	4.30E-11	2.12E-10	Hjurp
ENSMUSG00000031389.17	125.5804404	1.884279588	4.31E-11	2.13E-10	Arhgap4
ENSMUSG00000023806.10	908.5924417	0.888254098	4.33E-11	2.14E-10	Rsph3b
ENSMUSG00000003762.13	665.0235432	0.962942757	4.36E-11	2.15E-10	Adck4
ENSMUSG00000107142.1	26.03709203	-4.536408414	4.38E-11	2.16E-10	AC113276.2
ENSMUSG00000052337.15	7461.766904	-0.702744872	4.39E-11	2.16E-10	Immt
ENSMUSG00000058145.16	107.3623874	2.20825306	4.41E-11	2.17E-10	Adamts17
ENSMUSG00000075585.3	37.22106389	4.369692571	4.41E-11	2.17E-10	RP23-451A12.1
ENSMUSG00000016018.4	4461.64358	-1.370206295	4.41E-11	2.18E-10	Skiv2l2
ENSMUSG00000031672.8	8725.400216	-0.723473172	4.44E-11	2.19E-10	Got2
ENSMUSG000000034781.5	2965.091251	0.728930805	4.48E-11	2.21E-10	Gna11
ENSMUSG00000045689.3	51.16936325	3.938558743	4.49E-11	2.21E-10	Pcdhb4
ENSMUSG00000032186.15	4077.94829	2.301987145	4.58E-11	2.26E-10	Tmod2
ENSMUSG00000069206.14	327.752241	-1.433795513	4.58E-11	2.26E-10	Zfp874a
ENSMUSG00000078490.9	200.663466	-1.228238355	4.60E-11	2.27E-10	Cfap74
ENSMUSG00000048070.4	60.70779904	7.436835959	4.61E-11	2.27E-10	Pirt
ENSMUSG00000039768.16	4649.043185	-0.735657171	4.67E-11	2.30E-10	Dnajc11
ENSMUSG00000035458.15	42.96759347	-2.641439608	4.67E-11	2.30E-10	Tnni3
ENSMUSG00000020029.6	3472.624503	0.768826936	4.73E-11	2.33E-10	Nudt4
ENSMUSG00000086688.4	6797.677938	-0.855305352	4.77E-11	2.35E-10	RP23-212C14.11
ENSMUSG00000027942.16	2321.284165	1.366604101	4.79E-11	2.36E-10	AC163616.2
ENSMUSG00000034349.14	6329.814486	-1.074435009	4.82E-11	2.37E-10	Smc4
ENSMUSG00000037166.5	66.00391711	-2.410343072	4.85E-11	2.38E-10	Ppp1r14a
ENSMUSG00000045045.7	1759.960848	0.881104587	4.86E-11	2.39E-10	Lrnf4
ENSMUSG00000074968.11	39.42052489	5.455151111	4.91E-11	2.41E-10	Ano3
ENSMUSG00000031965.15	35.99718893	-3.170753816	4.93E-11	2.42E-10	Tbx20
ENSMUSG00000052301.14	363.3826345	-1.104310929	4.99E-11	2.45E-10	Doc2a
ENSMUSG00000068614.7	29.84794783	-5.277295185	5.03E-11	2.47E-10	Actc1
ENSMUSG00000028522.16	2202.068556	-1.363317108	5.04E-11	2.48E-10	Mier1
ENSMUSG00000040225.15	15522.57487	-1.920643206	5.07E-11	2.49E-10	Prrc2c
ENSMUSG00000049823.9	1492.643347	1.221284819	5.10E-11	2.50E-10	Zbtb12
ENSMUSG00000073073.4	50.15655669	8.060156014	5.17E-11	2.54E-10	RP23-384G1.1
ENSMUSG00000056941.17	1050.731625	1.102827383	5.19E-11	2.55E-10	CommD7
ENSMUSG00000029298.15	65.70047508	2.295684814	5.20E-11	2.55E-10	Gbp9
ENSMUSG00000026785.14	225.8289683	-1.669601735	5.32E-11	2.61E-10	Pkn3
ENSMUSG00000074873.3	424.0388096	1.270599486	5.37E-11	2.64E-10	AC132303.1
ENSMUSG00000051639.3	6055.206935	-1.645479531	5.40E-11	2.65E-10	RP23-162K2.4
ENSMUSG00000085272.7	34.83290142	8.502152675	5.41E-11	2.65E-10	Sbk3
ENSMUSG00000028729.15	5163.637313	-1.227454755	5.42E-11	2.66E-10	Ebna1bp2
ENSMUSG00000097055.2	127.7513956	1.852864384	5.42E-11	2.66E-10	RP23-15F7.3
ENSMUSG00000037979.13	924.0907576	1.025061056	5.43E-11	2.66E-10	Ccdc92

ENSMUSG00000026781.17	1638.636327	1.042207259	5.63E-11	2.76E-10	Acbd5
ENSMUSG00000021448.7	116.5736641	2.974267924	5.67E-11	2.78E-10	Shc3
ENSMUSG00000058385.8	57.85052362	2.667732346	5.75E-11	2.82E-10	Hist1h2bg
ENSMUSG00000062519.13	519.0574393	1.836642966	5.77E-11	2.82E-10	Zfp398
ENSMUSG00000044030.4	1319.220713	0.839633506	5.78E-11	2.83E-10	lrf2bp1
ENSMUSG00000079654.3	81.22841158	2.125983533	5.79E-11	2.84E-10	Prpt4
ENSMUSG00000104528.1	32.78471295	-3.560337504	5.80E-11	2.84E-10	RP23-287M3.2
ENSMUSG00000008373.16	4012.178407	-0.74737766	5.81E-11	2.84E-10	Prpf31
ENSMUSG00000028618.11	6206.339131	0.810799001	5.81E-11	2.84E-10	Tmem59
ENSMUSG00000027589.14	1285.391872	1.494408995	5.84E-11	2.86E-10	Pcmt2
ENSMUSG00000022663.3	1271.370299	0.844627773	5.86E-11	2.86E-10	Atg3
ENSMUSG00000107091.1	37.87024962	3.645796189	5.89E-11	2.88E-10	RP24-360B3.2
ENSMUSG00000039098.3	28.59142083	4.501157686	5.94E-11	2.90E-10	Gm9767
ENSMUSG00000053094.15	3375.514994	-0.718180241	5.98E-11	2.93E-10	Tmem248
ENSMUSG00000112576.1	36.62811038	4.84989615	5.99E-11	2.93E-10	RP23-443L2.1
ENSMUSG00000039206.13	637.5901235	0.927257201	6.01E-11	2.94E-10	Daglb
ENSMUSG00000108438.1	182.7478085	-1.465066377	6.05E-11	2.96E-10	RP23-74K24.5
ENSMUSG00000044229.9	71.55444383	1.955411357	6.07E-11	2.96E-10	Nxpe4
ENSMUSG00000028944.14	1187.097926	0.83220997	6.08E-11	2.97E-10	Prkg2
ENSMUSG00000085227.1	149.43969	1.955644791	6.12E-11	2.99E-10	AC159257.6
ENSMUSG00000036138.16	855.784017	1.249174384	6.19E-11	3.02E-10	Acaa1a
ENSMUSG00000078877.11	1269.203697	-1.109701619	6.20E-11	3.03E-10	RP23-86F8.3
ENSMUSG00000006931.15	488.9363979	1.03646146	6.27E-11	3.06E-10	P3h4
ENSMUSG00000081335.1	31.76658149	-5.371954313	6.29E-11	3.07E-10	RP23-214L4.4
ENSMUSG00000031145.15	57.85223412	-2.492203669	6.29E-11	3.07E-10	Prickle3
ENSMUSG00000018599.5	808.9413549	1.164512065	6.30E-11	3.07E-10	Mief2
ENSMUSG00000032307.16	1421.415466	0.913852829	6.32E-11	3.08E-10	Ube2q2
ENSMUSG00000113280.1	260.3720554	-1.330746	6.39E-11	3.12E-10	RP24-376E16.7
ENSMUSG00000039943.16	1149.159086	1.849541002	6.43E-11	3.13E-10	Plcb4
ENSMUSG00000036980.13	1960.196538	-1.169615401	6.46E-11	3.15E-10	Taf6
ENSMUSG00000051457.7	30.64205033	-4.597804315	6.47E-11	3.15E-10	Spn
ENSMUSG00000085502.1	96.95990042	2.79617894	6.49E-11	3.16E-10	RP23-326P7.11
ENSMUSG00000047434.14	1659.375497	-1.467362424	6.54E-11	3.19E-10	Xxylt1
ENSMUSG00000003161.15	1427.854219	0.959200351	6.56E-11	3.19E-10	Sri
ENSMUSG00000047347.7	5406.863249	-0.716455114	6.57E-11	3.20E-10	Tdg-ps
ENSMUSG00000091605.2	28.75968095	8.216854488	6.61E-11	3.22E-10	RP23-48M16.7
ENSMUSG00000020778.12	487.1723412	1.907841068	6.65E-11	3.24E-10	Ten1
ENSMUSG00000001909.16	2600.962225	-0.755874202	6.71E-11	3.27E-10	Trmt1
ENSMUSG00000102349.1	49.67805119	4.366607964	6.74E-11	3.28E-10	RP24-458F14.4
ENSMUSG00000039116.6	223.9997037	-1.555192957	6.75E-11	3.29E-10	Adgrg6
ENSMUSG00000057110.15	1638.239356	-1.661043015	6.83E-11	3.32E-10	Cntrl
ENSMUSG000000035273.14	50.20704118	2.318170711	6.88E-11	3.35E-10	Hpse
ENSMUSG00000015377.10	1470.408119	1.116328709	6.93E-11	3.37E-10	Dennd6b
ENSMUSG00000027425.18	1800.867989	-0.764214878	7.04E-11	3.42E-10	Csrp2bp
ENSMUSG00000018983.9	537.1628946	1.037039905	7.05E-11	3.43E-10	E2f2
ENSMUSG00000033722.9	37.90710667	3.234268038	7.06E-11	3.43E-10	RP23-320I7.1
ENSMUSG00000020256.14	591.1391113	2.156620991	7.07E-11	3.44E-10	Aldh1l2
ENSMUSG00000022550.18	515.5354471	1.00663631	7.14E-11	3.47E-10	Adck5
ENSMUSG00000020366.18	3628.059572	1.550408926	7.14E-11	3.47E-10	Mapk9
ENSMUSG00000019823.17	905.4411849	-0.834549921	7.17E-11	3.48E-10	Mical1
ENSMUSG00000039062.15	208.3446971	-2.274068895	7.23E-11	3.51E-10	Anpep
ENSMUSG00000083258.3	631.1636779	-1.654785067	7.27E-11	3.53E-10	RP23-38D3.1
ENSMUSG00000089911.4	2667.411005	-1.012076434	7.29E-11	3.54E-10	Mfsd14a
ENSMUSG00000090379.1	47.41809696	7.973560389	7.30E-11	3.54E-10	RP23-455F6.3
ENSMUSG00000063550.8	5062.715408	-2.067842001	7.33E-11	3.56E-10	Nup98
ENSMUSG00000038502.17	6862.942772	1.244880656	7.36E-11	3.57E-10	Ptov1
ENSMUSG00000041477.14	616.2302489	1.377782001	7.38E-11	3.58E-10	Dcp1b
ENSMUSG00000104420.1	29.19445445	4.133638639	7.38E-11	3.58E-10	RP24-142E6.5
ENSMUSG00000040596.15	1510.703058	1.741523235	7.40E-11	3.59E-10	Pogk
ENSMUSG00000056305.4	2841.653506	-1.064726101	7.48E-11	3.63E-10	Usp39
ENSMUSG00000068263.11	44.066146	6.971793541	7.50E-11	3.63E-10	Efcc1
ENSMUSG00000033565.18	6649.734636	1.862547894	7.66E-11	3.71E-10	Rbfox2
ENSMUSG00000029851.5	270.5513106	-1.279061114	7.70E-11	3.73E-10	Tcaf2
ENSMUSG00000063406.11	2914.490745	-0.884167373	7.83E-11	3.79E-10	Tmed5
ENSMUSG00000074247.10	2542.512207	0.75512131	7.84E-11	3.80E-10	Dda1
ENSMUSG00000020381.10	725.3165949	1.261965898	7.94E-11	3.85E-10	Mrnip
ENSMUSG00000114733.1	1160.386373	-1.140330206	8.00E-11	3.87E-10	RP24-250M7.2
ENSMUSG00000031386.14	9765.050775	-2.313072585	8.03E-11	3.89E-10	Hcfc1
ENSMUSG00000082575.1	4715.541551	-0.93237517	8.10E-11	3.92E-10	RP23-348F1.1
ENSMUSG00000001436.15	928.1858224	-0.935132331	8.15E-11	3.94E-10	Slc19a1
ENSMUSG00000024974.10	8048.497214	-0.960807446	8.24E-11	3.99E-10	Smc3
ENSMUSG00000058298.9	419.2736873	-1.48002458	8.27E-11	4.00E-10	Mcm9
ENSMUSG00000097729.2	68.44412265	2.165968184	8.27E-11	4.00E-10	RP24-98A23.3
ENSMUSG00000110660.1	306.4397263	-2.968031448	8.27E-11	4.00E-10	RP24-232I9.2
ENSMUSG000000015143.15	3422.223182	-1.190943761	8.32E-11	4.02E-10	Actn1
ENSMUSG00000109810.1	49.41151378	3.384870239	8.33E-11	4.03E-10	RP23-418L5.3
ENSMUSG00000005503.8	28.43943049	3.648235895	8.42E-11	4.07E-10	Evx1
ENSMUSG00000116343.1	51.64507238	-2.198450543	8.52E-11	4.12E-10	RP23-451I21.5
ENSMUSG00000020250.10	11168.35164	-0.828004827	8.57E-11	4.14E-10	Txnrd1
ENSMUSG00000037461.10	2695.29973	-0.953694138	8.59E-11	4.15E-10	Ints7
ENSMUSG00000075014.1	51.11466573	6.160256835	8.60E-11	4.15E-10	Gm10800
ENSMUSG00000086496.1	46.10195388	7.936730421	8.67E-11	4.19E-10	RP23-392P11.4
ENSMUSG00000026307.12	708.2927543	-0.921386278	8.68E-11	4.19E-10	Scly

ENSMUSG00000052512.17	1820.697005	-2.289396431	8.82E-11	4.26E-10	Nav2
ENSMUSG00000085611.3	756.423445	1.043391679	8.84E-11	4.27E-10	Ap3s1-ps1
ENSMUSG00000073471.3	1024.806356	0.900380262	8.86E-11	4.28E-10	Rsph3a
ENSMUSG00000049580.12	508.222448	-1.290831744	8.88E-11	4.28E-10	Tsku
ENSMUSG00000031626.17	1719.995884	1.960604946	8.89E-11	4.29E-10	Sorbs2
ENSMUSG00000047632.10	441.0551963	1.165583979	8.90E-11	4.29E-10	Fgfbp3
ENSMUSG00000053877.12	172.4013039	-2.05450657	8.94E-11	4.31E-10	Srcap
ENSMUSG00000020834.17	1458.703056	1.860717811	9.04E-11	4.36E-10	Dhrs13
ENSMUSG00000035936.6	1186.253121	1.392104254	9.09E-11	4.38E-10	Aldh5a1
ENSMUSG00000057541.14	1979.890786	-1.68603234	9.11E-11	4.39E-10	Pus7
ENSMUSG00000020910.16	962.5394495	-0.795247272	9.17E-11	4.42E-10	Adprm
ENSMUSG00000022462.7	14483.91537	-1.430954371	9.18E-11	4.42E-10	Slc38a2
ENSMUSG00000029729.12	1737.178894	1.715877698	9.21E-11	4.44E-10	Zkscan1
ENSMUSG00000039873.4	71.42974885	1.869548634	9.28E-11	4.47E-10	Neur12
ENSMUSG00000027087.11	1617.901488	-0.93381984	9.34E-11	4.50E-10	Itgav
ENSMUSG00000052712.16	1974.297603	1.333443586	9.36E-11	4.51E-10	RP23-73B23.4
ENSMUSG00000026556.15	4962.703105	0.803463559	9.43E-11	4.54E-10	Vangl2
ENSMUSG00000038805.10	80.83798647	2.469822429	9.47E-11	4.56E-10	Six3
ENSMUSG00000033819.16	1072.621568	0.895397604	9.51E-11	4.58E-10	Ppp1r16a
ENSMUSG00000016940.18	2012.934301	1.517934921	9.77E-11	4.70E-10	Kctd2
ENSMUSG00000028743.7	1889.913409	1.981502285	9.80E-11	4.72E-10	Akr7a5
ENSMUSG00000028053.13	5751.730885	-1.910501796	9.87E-11	4.75E-10	Ash1l
ENSMUSG00000057103.10	126.0710113	2.402007238	9.88E-11	4.75E-10	Cml1
ENSMUSG00000032246.14	53.84317994	8.15519532	9.90E-11	4.76E-10	Calml4
ENSMUSG00000078570.10	827.3898296	1.8971272	9.90E-11	4.76E-10	RP23-168M5.3
ENSMUSG00000097337.1	33.5230058	4.190293645	1.01E-10	4.85E-10	Gm26606
ENSMUSG00000029919.5	27.65863557	3.899849909	1.01E-10	4.87E-10	Hpgds
ENSMUSG00000030407.2	697.6812345	0.901044321	1.02E-10	4.88E-10	Qpctl
ENSMUSG00000062591.5	2978.798569	1.235979575	1.02E-10	4.88E-10	Tubb4a
ENSMUSG00000102615.1	30.72522864	5.419252616	1.02E-10	4.89E-10	RP23-81K14.2
ENSMUSG00000031595.9	76.51634464	-1.86632959	1.03E-10	4.95E-10	Pdgfrl
ENSMUSG00000059540.15	176.2181476	1.41917695	1.04E-10	4.98E-10	Tcea2
ENSMUSG00000059334.6	31.48727231	-6.033301605	1.04E-10	5.00E-10	Zfp36l3
ENSMUSG00000027800.14	31.3736676	5.881264287	1.05E-10	5.05E-10	Tm4sf1
ENSMUSG00000054115.11	2100.695617	-1.480584955	1.05E-10	5.06E-10	Skp2
ENSMUSG00000113242.1	431.8030237	1.30123548	1.07E-10	5.15E-10	RP23-338N2.3
ENSMUSG00000015522.18	2390.001329	-1.972121546	1.08E-10	5.19E-10	Arnt
ENSMUSG00000068876.14	1214.819377	-2.02716073	1.08E-10	5.20E-10	Cgn
ENSMUSG00000097059.1	92.86570554	2.085769222	1.09E-10	5.24E-10	Fam120aos
ENSMUSG00000035919.16	555.345734	1.232910682	1.10E-10	5.26E-10	Bbs9
ENSMUSG00000030256.11	175.8559839	-1.331304079	1.11E-10	5.30E-10	Bhlhe41
ENSMUSG00000049521.2	78.20449663	1.879795545	1.11E-10	5.34E-10	Cdc42ep1
ENSMUSG00000028247.2	448.0143576	-0.999638498	1.11E-10	5.34E-10	Coq3
ENSMUSG00000028127.10	1841.726306	1.169609822	1.11E-10	5.34E-10	Abcd3
ENSMUSG00000050064.14	780.7233587	1.785109249	1.13E-10	5.41E-10	Zfp697
ENSMUSG00000039329.8	32.41074141	-4.107610382	1.13E-10	5.43E-10	Tex19.1
ENSMUSG00000115658.1	105.6336779	-1.633855247	1.15E-10	5.51E-10	RP24-290117.1
ENSMUSG00000032594.11	3896.778774	1.228374712	1.16E-10	5.56E-10	Ip6k1
ENSMUSG00000032593.5	83.28973223	2.565808616	1.17E-10	5.59E-10	Amigo3
ENSMUSG00000091941.1	424.8795546	-2.095858435	1.17E-10	5.61E-10	RP24-418P10.3
ENSMUSG00000093949.2	27.60003815	8.158246004	1.17E-10	5.62E-10	RP24-252L3.2
ENSMUSG00000053581.13	909.0534152	1.391180903	1.18E-10	5.64E-10	Zfand2a
ENSMUSG00000061119.7	1254.771682	-0.823337872	1.19E-10	5.69E-10	Prpc
ENSMUSG00000041396.13	236.0448212	-1.253018966	1.19E-10	5.70E-10	Mettl18
ENSMUSG00000004980.16	42911.73203	-1.01187781	1.19E-10	5.70E-10	Hnrmpa2b1
ENSMUSG00000038552.14	1009.098341	0.829496182	1.20E-10	5.73E-10	Fndc4
ENSMUSG00000021109.13	6348.748888	-0.921451363	1.20E-10	5.73E-10	Hif1a
ENSMUSG00000027784.10	2168.227553	1.738067532	1.21E-10	5.76E-10	Ppm1l
ENSMUSG00000027848.12	62.38918256	2.607153614	1.21E-10	5.79E-10	Olfml3
ENSMUSG00000027618.17	843.6309383	-0.938190496	1.22E-10	5.81E-10	Nfs1
ENSMUSG00000042608.15	2621.785002	-1.028622515	1.22E-10	5.83E-10	Stk40
ENSMUSG00000028688.13	1123.879465	-0.816027688	1.23E-10	5.85E-10	Toe1
ENSMUSG00000041237.12	40.02472037	-7.901201003	1.24E-10	5.91E-10	Pklr
ENSMUSG00000105021.1	271.1129637	-1.186885354	1.24E-10	5.94E-10	RP24-275F18.1
ENSMUSG00000071547.4	5391.747276	-0.94879144	1.25E-10	5.95E-10	Nt5dc2
ENSMUSG00000078032.1	23.49212421	-8.100329495	1.25E-10	5.98E-10	Mir291b
ENSMUSG00000028051.10	821.3209575	1.931048012	1.26E-10	6.02E-10	Hcn3
ENSMUSG00000027387.11	513.6701625	-1.271789217	1.26E-10	6.03E-10	Zc3h8
ENSMUSG00000033799.10	5477.66103	-2.107700247	1.27E-10	6.04E-10	Fam208b
ENSMUSG00000026520.8	3133.780305	-1.319640212	1.28E-10	6.09E-10	Pycr2
ENSMUSG00000020454.17	5371.595213	-1.170327643	1.29E-10	6.13E-10	Eif4eni1
ENSMUSG00000022403.15	13355.93453	-0.725486203	1.29E-10	6.13E-10	Stt13
ENSMUSG00000020472.14	2721.294846	-1.167114633	1.29E-10	6.17E-10	Zkscan17
ENSMUSG00000008734.9	1401.8203	-1.207847826	1.30E-10	6.20E-10	Gprc5b
ENSMUSG00000109654.1	269.7116798	1.511049037	1.31E-10	6.26E-10	RP24-77E13.4
ENSMUSG00000052605.12	60.33037217	4.330606153	1.34E-10	6.37E-10	Isoc2b
ENSMUSG00000116772.1	28.6566655	8.212865093	1.34E-10	6.38E-10	RP23-117J21.3
ENSMUSG00000043535.13	6373.068874	-1.871975621	1.34E-10	6.40E-10	Setx
ENSMUSG00000073433.10	688.6874669	2.05435183	1.38E-10	6.59E-10	Arhgdig
ENSMUSG00000029283.17	1605.790814	-1.414366457	1.40E-10	6.69E-10	Cdc7
ENSMUSG00000006763.14	1081.463059	-1.269781778	1.41E-10	6.71E-10	Saal1
ENSMUSG00000034064.14	1757.963235	-0.829124914	1.41E-10	6.72E-10	Poglut1
ENSMUSG00000058881.12	630.1356099	1.869621221	1.41E-10	6.72E-10	Zfp516

ENSMUSG00000032062.2	97.23571375	-1.785254994	1.42E-10	6.73E-10	RP24-106M14.2
ENSMUSG00000029544.16	305.6146889	1.639005999	1.43E-10	6.79E-10	Cabp1
ENSMUSG00000116802.1	347.3596732	-1.559170376	1.43E-10	6.80E-10	RP23-15O6.3
ENSMUSG00000114488.1	5485.770147	-0.8703424	1.43E-10	6.81E-10	RP24-474C15.3
ENSMUSG00000065552.1	25.83806835	-8.238960387	1.44E-10	6.83E-10	Mir302a
ENSMUSG00000055817.18	1473.646424	-1.854512686	1.44E-10	6.84E-10	Mta3
ENSMUSG00000041165.6	27.43310783	3.735163791	1.44E-10	6.84E-10	Spem1
ENSMUSG00000036299.4	3255.882113	1.457985528	1.46E-10	6.93E-10	BC031181
ENSMUSG00000022257.4	2297.815512	0.958556096	1.46E-10	6.93E-10	Laptm4b
ENSMUSG0000002055.9	3589.80397	-1.218019148	1.46E-10	6.93E-10	Spag5
ENSMUSG00000024901.14	99.43736935	3.233407192	1.46E-10	6.93E-10	Peli3
ENSMUSG00000105942.1	28.31479394	8.193520841	1.46E-10	6.94E-10	RP24-296L6.4
ENSMUSG00000103867.1	34.13543575	4.990132196	1.47E-10	6.97E-10	RP23-445K23.5
ENSMUSG00000072893.12	672.9191492	1.677881273	1.47E-10	6.98E-10	RP23-210M6.5
ENSMUSG00000107994.1	29.08263642	3.683517432	1.50E-10	7.13E-10	RP24-179I4.3
ENSMUSG00000026147.16	35.0874801	-3.265530555	1.53E-10	7.27E-10	Col9a1
ENSMUSG00000059301.6	88.17315551	-1.677426028	1.53E-10	7.27E-10	RP23-282B14.4
ENSMUSG0000004455.16	11397.00185	-0.730656316	1.55E-10	7.35E-10	Ppp1cc
ENSMUSG00000028519.16	2825.979161	1.551748631	1.55E-10	7.37E-10	Dab1
ENSMUSG00000097750.2	33.05148385	3.766391491	1.56E-10	7.38E-10	RP23-358K1.3
ENSMUSG00000020532.18	4975.531276	-1.73850514	1.58E-10	7.49E-10	Acaca
ENSMUSG00000020689.4	43.36878047	2.973142566	1.58E-10	7.49E-10	Itgb3
ENSMUSG00000112612.1	41.48121963	-2.366985531	1.59E-10	7.55E-10	RP24-369D19.1
ENSMUSG00000038074.16	362.7742019	0.991558561	1.59E-10	7.55E-10	Fkbp14
ENSMUSG00000006219.12	1147.871445	-1.365355203	1.59E-10	7.55E-10	Fblim1
ENSMUSG00000066894.14	302.6659522	-1.340916838	1.60E-10	7.56E-10	Vsig10
ENSMUSG00000052154.4	28.17399743	3.6358786	1.61E-10	7.61E-10	RP23-204A8.2
ENSMUSG00000084866.2	91.83289793	2.366232408	1.62E-10	7.65E-10	RP23-348A6.1
ENSMUSG00000034209.4	53.80094968	2.829913805	1.63E-10	7.73E-10	Rasl10a
ENSMUSG00000072872.3	7196.868903	-1.433186466	1.64E-10	7.74E-10	Rybp
ENSMUSG00000046991.11	40.82931807	3.005688328	1.65E-10	7.81E-10	Wdr27
ENSMUSG00000094784.1	25.67010156	8.053109462	1.66E-10	7.85E-10	RP24-63B17.1
ENSMUSG00000069633.12	114.4913486	1.732402948	1.69E-10	7.97E-10	Pex11g
ENSMUSG00000082028.1	434.9453949	-2.422477876	1.70E-10	8.03E-10	RP23-178B19.1
ENSMUSG00000098552.1	38.27370173	4.569584374	1.72E-10	8.13E-10	RP24-465O15.1
ENSMUSG00000021494.9	1590.864633	-0.883898551	1.72E-10	8.13E-10	Ddx41
ENSMUSG00000068328.9	2210.250227	-0.707394082	1.73E-10	8.17E-10	Aup1
ENSMUSG00000087261.2	30.80274856	5.851017231	1.73E-10	8.19E-10	AC161516.1
ENSMUSG00000024597.10	2684.610321	-1.427017613	1.74E-10	8.23E-10	Slc12a2
ENSMUSG00000042148.8	1644.779968	-0.752396613	1.74E-10	8.23E-10	Cox10
ENSMUSG00000030592.18	208.1325482	-2.209708466	1.74E-10	8.24E-10	Ryr1
ENSMUSG00000083177.1	48.91755947	-2.158235809	1.75E-10	8.26E-10	RP23-20E14.1
ENSMUSG00000048170.14	3576.192511	-1.141426628	1.76E-10	8.29E-10	Mcmbp
ENSMUSG00000100398.1	43.21248208	-2.642654079	1.78E-10	8.40E-10	RP23-215C21.1
ENSMUSG00000032624.15	4696.664273	-1.088553107	1.78E-10	8.41E-10	Eml4
ENSMUSG00000108986.1	24.09955384	7.968253378	1.82E-10	8.57E-10	RP23-59P20.3
ENSMUSG00000095654.2	144.1335528	-2.402075691	1.82E-10	8.61E-10	Plscr5
ENSMUSG00000081221.4	952.0137187	-1.412774773	1.83E-10	8.66E-10	RP23-125A12.2
ENSMUSG00000045983.16	26114.79408	-1.947082295	1.84E-10	8.67E-10	Eif4g1
ENSMUSG00000041481.16	24.30131038	7.979637015	1.84E-10	8.70E-10	Serpina3g
ENSMUSG00000024097.10	8535.410007	-0.724927931	1.85E-10	8.74E-10	Srsf7
ENSMUSG00000048970.9	650.7429329	1.121841026	1.89E-10	8.93E-10	C1galt1c1
ENSMUSG00000001098.15	2557.46715	0.928027683	1.90E-10	8.95E-10	Kctd10
ENSMUSG00000072761.10	111.254212	-1.945141987	1.91E-10	8.98E-10	RP23-15O6.1
ENSMUSG00000089803.3	3730.548232	-1.156506573	1.91E-10	8.98E-10	AC074310.4
ENSMUSG00000047466.9	1174.205982	-2.754393617	1.94E-10	9.13E-10	8030462N17Rik
ENSMUSG00000026158.11	851.5107554	0.928964665	1.94E-10	9.14E-10	Ogfr1
ENSMUSG00000027163.13	1226.641623	1.691394867	1.95E-10	9.19E-10	CommD9
ENSMUSG00000001506.10	158.5013742	-1.687981077	1.97E-10	9.30E-10	Col1a1
ENSMUSG00000097527.2	26.54611081	4.886348382	1.98E-10	9.35E-10	RP23-413C19.5
ENSMUSG00000028426.10	11495.3882	-1.032947778	1.99E-10	9.35E-10	Rad23b
ENSMUSG00000003273.14	213.8026301	1.218463772	1.99E-10	9.35E-10	Car11
ENSMUSG00000007655.16	30.20851384	3.197532152	1.99E-10	9.38E-10	Cav1
ENSMUSG00000035431.4	28.30095593	8.202906645	2.00E-10	9.42E-10	Sstr1
ENSMUSG00000025133.9	1980.163396	-1.047305121	2.02E-10	9.49E-10	Ints4
ENSMUSG00000023939.7	1044.372953	2.285413341	2.02E-10	9.50E-10	Mrpl14
ENSMUSG00000062198.5	673.8664792	-0.949894436	2.03E-10	9.53E-10	RP23-454K24.1
ENSMUSG00000074817.2	105.5129896	-1.504778522	2.05E-10	9.65E-10	Papalb
ENSMUSG00000028647.13	1011.994514	-1.620330835	2.06E-10	9.67E-10	Mycbp
ENSMUSG00000060380.3	41.95187887	7.795941053	2.07E-10	9.72E-10	RP24-175C20.1
ENSMUSG00000025574.13	1098.850956	-1.07773591	2.08E-10	9.75E-10	Tk1
ENSMUSG00000032498.9	1623.505293	-0.867192279	2.08E-10	9.78E-10	Mlh1
ENSMUSG00000083319.1	142.3095373	-1.516671999	2.09E-10	9.82E-10	RP23-9O16.22
ENSMUSG00000020076.7	3017.937455	0.833500866	2.11E-10	9.90E-10	Ddx50
ENSMUSG00000026199.17	696.3571726	-1.208456971	2.11E-10	9.90E-10	Ankzf1
ENSMUSG00000062312.5	809.5876852	-1.016389612	2.13E-10	1.00E-09	ErbB2
ENSMUSG00000086075.1	75.5113401	2.240136245	2.16E-10	1.02E-09	AC113299.3
ENSMUSG00000006494.11	1666.795997	-0.97226401	2.17E-10	1.02E-09	Pdk1
ENSMUSG00000049401.10	4129.697965	1.430612075	2.18E-10	1.02E-09	Ogfr
ENSMUSG00000080981.1	293.2828184	-1.751311957	2.18E-10	1.02E-09	RP23-48J15.2
ENSMUSG00000047361.16	31.4217189	3.355748158	2.19E-10	1.03E-09	RP24-147G7.1
ENSMUSG00000024430.13	36.02956288	4.833056576	2.22E-10	1.04E-09	Cabyr
ENSMUSG00000005161.15	16616.74618	1.753365117	2.22E-10	1.04E-09	Prdx2

ENSMUSG00000024232.1	682.0990372	-1.070350793	2.23E-10	1.05E-09	Bambi
ENSMUSG00000040272.14	391.6272189	1.088507172	2.24E-10	1.05E-09	Accs
ENSMUSG00000018340.13	3199.251475	-0.858954714	2.26E-10	1.06E-09	Anxa6
ENSMUSG00000043885.14	1339.379908	1.575742662	2.26E-10	1.06E-09	Slc36a4
ENSMUSG00000036862.15	2412.470426	2.537567191	2.27E-10	1.06E-09	Dchs1
ENSMUSG00000092257.1	84.89612329	-1.617745402	2.28E-10	1.07E-09	RP24-565J5.2
ENSMUSG00000066877.11	922.1465299	1.110092682	2.28E-10	1.07E-09	Nck2
ENSMUSG00000020869.8	14659.32839	-1.049104856	2.29E-10	1.07E-09	Lrrc59
ENSMUSG00000020102.15	79.54555422	3.517278044	2.32E-10	1.09E-09	Slc16a7
ENSMUSG00000095042.1	969.0341198	-1.406429417	2.33E-10	1.09E-09	RP23-270A19.3
ENSMUSG00000069939.8	958.6932041	-1.407001103	2.36E-10	1.10E-09	RP23-227C11.1
ENSMUSG00000032198.9	736.5893272	-1.71506059	2.36E-10	1.11E-09	Dock6
ENSMUSG00000105681.1	25.0966629	-4.470844066	2.36E-10	1.11E-09	RP24-349N15.5
ENSMUSG00000073607.2	31.33957215	3.670803623	2.36E-10	1.11E-09	RP23-174C24.1
ENSMUSG00000095937.1	949.2422018	-1.409332707	2.37E-10	1.11E-09	RP23-239F1.3
ENSMUSG00000068165.3	3687.281039	-1.153147161	2.38E-10	1.11E-09	RP23-48P22.4
ENSMUSG00000094708.1	948.2414445	-1.409608354	2.39E-10	1.12E-09	RP24-354P12.1
ENSMUSG00000106189.1	566.3551749	1.022772608	2.39E-10	1.12E-09	RP23-409I5.4
ENSMUSG00000103882.1	46.04745974	7.928805119	2.47E-10	1.15E-09	RP24-142E6.3
ENSMUSG00000025656.17	637.8329946	1.988264952	2.47E-10	1.15E-09	Arhgef9
ENSMUSG00000106192.1	52.0828332	-2.073081812	2.47E-10	1.15E-09	Amd-ps2
ENSMUSG00000055235.11	86.29647263	-1.56830931	2.51E-10	1.17E-09	Wdr86
ENSMUSG00000090659.9	123.4298989	-2.088990058	2.52E-10	1.18E-09	Zfp493
ENSMUSG00000103906.1	157.68139	1.340987865	2.52E-10	1.18E-09	Tigd5
ENSMUSG00000070407.5	368.6855961	2.042457229	2.53E-10	1.18E-09	Hs3st3b1
ENSMUSG00000090061.9	41.35871349	7.780006956	2.56E-10	1.20E-09	Nwd2
ENSMUSG00000090290.2	966.7076216	-2.32748282	2.56E-10	1.20E-09	RP23-109A22.2
ENSMUSG00000097827.1	29.0770119	5.763693302	2.56E-10	1.20E-09	RP24-73K9.4
ENSMUSG00000054428.12	5905.464291	2.034439323	2.57E-10	1.20E-09	Atpif1
ENSMUSG00000035757.16	347.1249846	1.159040882	2.57E-10	1.20E-09	Selo
ENSMUSG00000042046.15	726.2414688	1.549075497	2.58E-10	1.20E-09	Dstyk
ENSMUSG00000030871.11	604.2029203	-0.867445147	2.58E-10	1.20E-09	Ears2
ENSMUSG00000057715.13	238.1745675	1.570826333	2.59E-10	1.21E-09	AC103635.1
ENSMUSG00000054640.14	223.9008173	3.73762064	2.62E-10	1.22E-09	Slc8a1
ENSMUSG00000032812.18	363.1371984	-1.509424948	2.62E-10	1.22E-09	Arap1
ENSMUSG00000104663.1	49.26021306	3.245589816	2.62E-10	1.22E-09	RP24-338C23.2
ENSMUSG00000027580.17	124.0585654	-1.903561791	2.63E-10	1.22E-09	Helz2
ENSMUSG00000053931.11	10903.71644	-0.737197456	2.64E-10	1.23E-09	Cnn3
ENSMUSG00000047230.6	102.6054172	2.22054107	2.64E-10	1.23E-09	Cldn2
ENSMUSG00000002984.17	5357.496703	-1.356790835	2.66E-10	1.24E-09	Tomm40
ENSMUSG00000036188.4	1693.873017	0.753062926	2.66E-10	1.24E-09	Ankmy2
ENSMUSG00000083993.1	174.5834732	-1.991049149	2.67E-10	1.24E-09	RP23-401M24.1
ENSMUSG00000020527.14	947.6036504	-1.940762458	2.67E-10	1.24E-09	Myo19
ENSMUSG00000010067.13	1084.190201	1.225244434	2.68E-10	1.25E-09	Rassf1
ENSMUSG00000051675.13	2932.276728	1.339502579	2.69E-10	1.25E-09	Trim32
ENSMUSG00000039356.15	3614.979484	-1.030832031	2.72E-10	1.27E-09	Exosc2
ENSMUSG00000113812.1	35.02371922	3.010867283	2.72E-10	1.27E-09	RP23-216C6.3
ENSMUSG00000104033.1	46.32599104	7.037636511	2.73E-10	1.27E-09	RP23-14P23.8
ENSMUSG00000030069.15	26.01643979	-3.250099347	2.73E-10	1.27E-09	Prok2
ENSMUSG00000040859.14	1350.816786	0.892865058	2.74E-10	1.27E-09	Bsdcl
ENSMUSG00000038347.14	130.8779012	1.707852041	2.74E-10	1.28E-09	Tcte2
ENSMUSG00000056938.16	138.1601848	-1.418146437	2.75E-10	1.28E-09	Acbd4
ENSMUSG00000075277.5	66.07649454	2.496971136	2.75E-10	1.28E-09	Haglr
ENSMUSG00000082192.2	744.8283177	1.876569543	2.77E-10	1.29E-09	RP23-52F6.1
ENSMUSG00000099966.1	295.4264121	1.853407739	2.78E-10	1.29E-09	RP24-155O13.4
ENSMUSG0000005699.16	380.8133664	1.815390805	2.81E-10	1.30E-09	Pard6a
ENSMUSG00000046793.8	23.01370436	7.89887421	2.82E-10	1.31E-09	Gpr61
ENSMUSG00000024160.16	712.1570442	1.087117037	2.85E-10	1.32E-09	Spsb3
ENSMUSG00000083169.1	707.5618417	-1.329907831	2.85E-10	1.32E-09	RP23-443L17.4
ENSMUSG00000015542.17	846.8862757	2.286825241	2.85E-10	1.33E-09	Nat9
ENSMUSG00000031799.9	5052.385222	-0.891021841	2.89E-10	1.34E-09	Tpm4
ENSMUSG00000073725.8	1730.348387	0.902747489	2.90E-10	1.35E-09	Lmbrd1
ENSMUSG00000056856.12	38.05973238	5.746530954	2.91E-10	1.35E-09	Jakmp3
ENSMUSG00000022761.12	1800.68512	1.282050699	2.93E-10	1.36E-09	Lztr1
ENSMUSG00000037224.15	82.82542721	2.562080228	2.93E-10	1.36E-09	Zfyve28
ENSMUSG00000090682.4	36.12334641	3.151466773	2.99E-10	1.39E-09	RP23-183P22.2
ENSMUSG00000014355.10	8795.270321	-1.885928213	2.99E-10	1.39E-09	Anapc1
ENSMUSG00000067795.13	33.22022392	5.95693289	3.03E-10	1.41E-09	AC162442.2
ENSMUSG00000106757.1	52.86668719	-2.819607172	3.06E-10	1.42E-09	RP23-189N6.3
ENSMUSG00000032423.12	8284.206299	-1.240795187	3.07E-10	1.42E-09	Syncrip
ENSMUSG00000073530.11	51.86091648	6.606467983	3.07E-10	1.42E-09	Pappa2
ENSMUSG00000027222.14	790.4541049	1.814257865	3.08E-10	1.43E-09	Pex16
ENSMUSG00000104141.1	267.2007578	-2.257178022	3.08E-10	1.43E-09	RP23-442I7.3
ENSMUSG00000049504.12	1939.839701	-1.852802222	3.08E-10	1.43E-09	Proser1
ENSMUSG00000055763.9	748.8285596	-2.503408477	3.09E-10	1.43E-09	RP23-239E13.3
ENSMUSG00000027016.17	91.08784341	-1.917560961	3.09E-10	1.43E-09	Zfp385b
ENSMUSG00000043336.14	70.57290287	2.045671604	3.15E-10	1.46E-09	Filip1l
ENSMUSG00000081732.1	814.6894847	-1.188625236	3.19E-10	1.47E-09	AC162443.1
ENSMUSG00000110926.1	1386.372304	0.918328372	3.20E-10	1.48E-09	RP23-5H10.3
ENSMUSG00000061981.14	2494.823603	0.77094415	3.21E-10	1.48E-09	Flot2
ENSMUSG00000020553.8	812.3904258	-1.100785985	3.21E-10	1.48E-09	Pctpc
ENSMUSG00000041380.13	48.60542347	8.014727048	3.21E-10	1.49E-09	Htr2c
ENSMUSG00000110373.1	34.90430791	2.887227512	3.21E-10	1.49E-09	RP24-316B1.1

ENSMUSG00000013523.13	28.04993994	-3.401880776	3.22E-10	1.49E-09	Bcas1
ENSMUSG00000115848.1	395.4988234	-2.52195978	3.23E-10	1.49E-09	RP23-198A16.3
ENSMUSG00000021982.14	676.5847218	1.072576922	3.23E-10	1.49E-09	Cdadc1
ENSMUSG00000051579.10	5521.678513	-1.154563366	3.24E-10	1.50E-09	Tceal8
ENSMUSG00000027291.15	1458.007224	1.278896659	3.30E-10	1.53E-09	Vps39
ENSMUSG00000028692.14	12103.47712	1.271300601	3.31E-10	1.53E-09	Akr1a1
ENSMUSG00000024231.14	5357.048085	-0.844132596	3.31E-10	1.53E-09	Cul2
ENSMUSG00000029168.14	7388.91	1.771990494	3.31E-10	1.53E-09	Dpysl5
ENSMUSG00000025486.17	566.4190311	1.244369321	3.32E-10	1.53E-09	Sirt3
ENSMUSG00000020961.15	1088.305033	-1.549426477	3.38E-10	1.56E-09	Ston2
ENSMUSG00000053730.15	863.4291004	-0.974615037	3.38E-10	1.56E-09	Tmem39b
ENSMUSG00000036054.15	1886.137602	1.080567316	3.38E-10	1.56E-09	Sugp2
ENSMUSG00000031119.4	3006.65898	0.978409975	3.39E-10	1.57E-09	Gpc4
ENSMUSG00000105114.1	51.7432692	-2.061323187	3.40E-10	1.57E-09	Amd-ps5
ENSMUSG00000036504.6	310.2449406	2.470752154	3.41E-10	1.58E-09	Phpt1
ENSMUSG00000036199.9	2268.106466	2.061275184	3.45E-10	1.59E-09	Ndufa13
ENSMUSG00000002983.17	127.3792601	2.138345495	3.47E-10	1.60E-09	Relb
ENSMUSG00000100025.1	1225.236094	-1.261004877	3.48E-10	1.61E-09	RP24-302H24.1
ENSMUSG00000102758.3	28.83276831	5.331275909	3.49E-10	1.61E-09	Naaladl2
ENSMUSG00000033420.12	649.1602825	-1.169661589	3.50E-10	1.61E-09	Antxr1
ENSMUSG00000097311.7	136.787349	10.47061488	3.53E-10	1.63E-09	RP23-14P23.2
ENSMUSG00000078636.4	950.7448958	-1.402613158	3.55E-10	1.64E-09	RP24-149G13.4
ENSMUSG00000024472.9	4776.621127	-1.421494312	3.59E-10	1.65E-09	Dcp2
ENSMUSG00000095054.1	53.35675709	-3.317980053	3.62E-10	1.67E-09	RP23-360J20.3
ENSMUSG00000039337.3	26.70816071	-3.649600444	3.66E-10	1.68E-09	Tex19.2
ENSMUSG00000036403.15	843.0558595	-1.803202948	3.67E-10	1.69E-09	Cep135
ENSMUSG00000079003.2	1107.587235	-0.807292446	3.67E-10	1.69E-09	Samd1
ENSMUSG00000068264.11	323.5523377	1.440906249	3.68E-10	1.69E-09	Ap5s1
ENSMUSG00000040451.17	677.3047323	-0.922184542	3.69E-10	1.70E-09	Sgms1
ENSMUSG00000063087.14	28.98596568	5.323541641	3.75E-10	1.73E-09	AC121576.1
ENSMUSG00000083005.18	1874.656652	1.109810067	3.77E-10	1.73E-09	Tle1
ENSMUSG00000033703.9	759.0102466	-1.330647097	3.78E-10	1.74E-09	Fuk
ENSMUSG00000039395.8	263.9230716	-1.032566364	3.79E-10	1.74E-09	Mreg
ENSMUSG00000090110.8	142.2046055	1.643656407	3.82E-10	1.76E-09	Cmc4
ENSMUSG00000023953.8	500.7051929	-1.363140621	3.83E-10	1.76E-09	Polh
ENSMUSG00000031060.16	2142.457966	-0.867446996	3.84E-10	1.76E-09	Rbm10
ENSMUSG00000076431.4	11955.50635	1.333570852	3.86E-10	1.77E-09	Sox4
ENSMUSG00000022018.7	38.34117079	3.598971888	3.86E-10	1.78E-09	Rgcc
ENSMUSG00000108394.1	37.93090079	-3.158042684	3.87E-10	1.78E-09	RP24-333B11.4
ENSMUSG00000106346.2	109.7183433	-1.664045482	3.91E-10	1.80E-09	Gtbbp4-ps6
ENSMUSG00000040043.16	600.6763214	-0.962588368	3.92E-10	1.80E-09	Rbms2
ENSMUSG00000038914.15	4514.664168	-2.128011117	3.93E-10	1.81E-09	Dido1
ENSMUSG00000086401.1	38.11440801	7.659647553	3.94E-10	1.81E-09	AC161348.3
ENSMUSG00000104279.1	55.78060444	2.86697699	3.95E-10	1.81E-09	RP24-252K15.4
ENSMUSG00000050423.11	72.58685769	-1.960838145	3.96E-10	1.82E-09	Ppp1r3g
ENSMUSG00000113654.1	28.07500961	3.381995203	3.96E-10	1.82E-09	RP23-5A19.1
ENSMUSG00000031149.7	809.5377013	0.872609342	3.97E-10	1.82E-09	Praf2
ENSMUSG00000026596.13	4025.697461	-2.245811901	4.01E-10	1.84E-09	Abi2
ENSMUSG00000038774.9	1864.83041	-1.542365046	4.04E-10	1.85E-09	Ascc3
ENSMUSG00000089648.1	662.5646459	-1.466889997	4.05E-10	1.86E-09	AC170749.1
ENSMUSG00000078865.8	130.3537863	-2.012409286	4.05E-10	1.86E-09	RP24-63F2.2
ENSMUSG00000104218.1	868.483908	-1.862785492	4.06E-10	1.86E-09	RP24-374C7.1
ENSMUSG00000084085.2	25.6124329	8.048866205	4.11E-10	1.88E-09	AL603984.1
ENSMUSG00000031311.17	14890.43361	-0.691558777	4.12E-10	1.89E-09	Nono
ENSMUSG00000052760.16	37.00329786	-3.214557262	4.17E-10	1.91E-09	AC161342.2
ENSMUSG00000005667.8	4408.122673	-0.872192396	4.18E-10	1.92E-09	Mthfd2
ENSMUSG00000026778.13	37.28777307	3.733858555	4.20E-10	1.92E-09	Prkcq
ENSMUSG00000113984.1	76.56427426	4.384021656	4.20E-10	1.92E-09	RP23-68K21.7
ENSMUSG00000026820.5	786.0938243	1.504623633	4.22E-10	1.93E-09	Ptges2
ENSMUSG00000022723.16	447.1321983	-2.124285741	4.24E-10	1.94E-09	Crybg3
ENSMUSG00000028677.19	3338.006975	-0.697524714	4.24E-10	1.94E-09	Rnf220
ENSMUSG00000079297.4	5512.174741	-2.283787125	4.25E-10	1.95E-09	RP23-191G17.4
ENSMUSG00000087050.1	64.32988969	2.104831883	4.25E-10	1.95E-09	Dhrs13os
ENSMUSG00000080801.2	1703.115826	-0.746461595	4.33E-10	1.98E-09	RP23-320I18.1
ENSMUSG00000034898.16	136.9108153	2.187165959	4.36E-10	1.99E-09	Filip1
ENSMUSG00000026497.7	38.71355717	-4.527438479	4.36E-10	1.99E-09	Mixl1
ENSMUSG00000024664.4	296.501179	1.292712751	4.39E-10	2.01E-09	Fads3
ENSMUSG00000060985.15	69.39292039	-1.932428412	4.39E-10	2.01E-09	Tdrd5
ENSMUSG00000026278.14	608.0851658	-1.564932577	4.42E-10	2.02E-09	Bok
ENSMUSG00000113606.1	481.8576897	1.286006473	4.42E-10	2.02E-09	RP23-360H5.5
ENSMUSG00000071350.12	316.8811447	-2.247580004	4.42E-10	2.02E-09	Setdb2
ENSMUSG00000069270.6	589.0084937	-2.520417157	4.43E-10	2.02E-09	Hist1h2ac
ENSMUSG00000009828.15	1704.961633	1.586807588	4.46E-10	2.04E-09	Ick
ENSMUSG00000034648.9	3747.703581	1.202965754	4.48E-10	2.04E-09	Lrrm1
ENSMUSG00000027751.13	2380.352466	-1.334535597	4.48E-10	2.05E-09	Supt20
ENSMUSG00000027895.9	63.18340306	2.088915827	4.48E-10	2.05E-09	Kcnc4
ENSMUSG00000072809.2	27.53013593	5.253327426	4.51E-10	2.06E-09	RP23-191I2.7
ENSMUSG00000052748.14	962.3638372	-1.14914559	4.51E-10	2.06E-09	Swt1
ENSMUSG00000029413.14	374.8496921	1.107699324	4.53E-10	2.07E-09	Naaa
ENSMUSG00000024782.7	1326.92371	0.775357013	4.55E-10	2.07E-09	Ak3
ENSMUSG00000041966.18	1387.20612	-1.4308704	4.59E-10	2.10E-09	Dcaf17
ENSMUSG00000071478.6	257.9927459	-2.588920052	4.65E-10	2.12E-09	Hist1h2ad
ENSMUSG00000049414.7	195.1298653	-1.79478233	4.66E-10	2.12E-09	RP23-10K12.2

ENSMUSG00000053716.9	902.6282602	-1.193843636	4.66E-10	2.12E-09	Dusp7
ENSMUSG00000087336.2	24.99720786	8.013391498	4.68E-10	2.13E-09	AC113504.5
ENSMUSG00000097018.2	22.87984885	7.890754615	4.68E-10	2.13E-09	RP24-421H18.3
ENSMUSG00000020495.13	2084.853443	-0.951727243	4.70E-10	2.14E-09	Smg8
ENSMUSG00000034796.14	98.44346443	-1.466049069	4.78E-10	2.18E-09	Cpne7
ENSMUSG00000040875.12	257.4833459	1.819977732	4.84E-10	2.20E-09	Osbpl10
ENSMUSG00000066693.2	515.0242073	-1.126233976	4.84E-10	2.20E-09	AC122738.1
ENSMUSG00000043962.16	9457.294306	-1.383860171	4.85E-10	2.21E-09	Thrap3
ENSMUSG00000028049.15	2565.575528	-0.821061839	4.85E-10	2.21E-09	Scamp3
ENSMUSG00000027690.13	22.88655536	7.89591442	4.87E-10	2.22E-09	Slc2a2
ENSMUSG00000090706.1	26.7006723	-3.549786504	4.89E-10	2.22E-09	RP23-181D9.3
ENSMUSG00000040883.17	748.2557523	1.929403103	4.90E-10	2.23E-09	Tmem205
ENSMUSG0000004897.16	16059.71361	-1.156166147	4.92E-10	2.24E-09	Hdgf
ENSMUSG00000020267.6	9531.76924	1.996165653	4.94E-10	2.25E-09	Hint1
ENSMUSG00000027108.15	4947.305796	-1.008833769	4.96E-10	2.26E-09	Ola1
ENSMUSG00000107035.1	7624.242043	-1.009905402	4.96E-10	2.26E-09	Ybx1-ps2
ENSMUSG00000021234.9	285.1292099	1.907409057	4.96E-10	2.26E-09	Fam161b
ENSMUSG00000114019.1	91.7227439	2.396585223	4.97E-10	2.26E-09	RP24-339111.6
ENSMUSG00000042115.4	29.79793025	3.474722681	4.99E-10	2.27E-09	Klhdc8a
ENSMUSG00000024222.16	2694.155992	-0.892653486	5.01E-10	2.28E-09	Fkbp5
ENSMUSG00000089785.2	630.9480903	-1.348185816	5.01E-10	2.28E-09	Slc25a5-ps
ENSMUSG00000036052.14	1012.527433	1.150272284	5.14E-10	2.34E-09	Dnajb5
ENSMUSG00000032666.16	1244.051148	0.782181426	5.16E-10	2.34E-09	AC166332.1
ENSMUSG00000022429.11	25.84061977	4.57838678	5.16E-10	2.34E-09	Dmc1
ENSMUSG00000101249.1	139198.4671	0.616076836	5.21E-10	2.37E-09	RP23-8J15.1
ENSMUSG00000096981.2	37.11705556	2.84757532	5.30E-10	2.40E-09	RP23-123D6.11
ENSMUSG000000041236.8	2476.073861	0.868726027	5.34E-10	2.43E-09	Vps41
ENSMUSG00000022543.9	134.7175008	1.854398307	5.39E-10	2.45E-09	RP23-450O11.4
ENSMUSG00000035355.15	337.9464049	2.896607863	5.39E-10	2.45E-09	Kcnh4
ENSMUSG00000035161.7	1676.623124	-1.528274347	5.48E-10	2.49E-09	Ints6
ENSMUSG00000035429.13	22.25445716	7.854711144	5.56E-10	2.52E-09	Ptprh
ENSMUSG00000065413.2	20.40910277	-7.896788704	5.59E-10	2.54E-09	Mir367
ENSMUSG00000029464.10	1117.4732	-0.783267417	5.60E-10	2.54E-09	Gpn3
ENSMUSG00000105851.1	37.94955658	2.580982982	5.64E-10	2.56E-09	RP23-45G4.2
ENSMUSG00000062561.3	25.07410204	8.0284264	5.70E-10	2.58E-09	Gm10118
ENSMUSG00000100876.1	110.130257	2.24953117	5.70E-10	2.59E-09	RP23-45G16.6
ENSMUSG00000116621.1	87.57425142	-1.947085055	5.72E-10	2.59E-09	RP23-7F9.2
ENSMUSG00000033871.14	136.0196419	-1.564557047	5.76E-10	2.61E-09	Ppargc1b
ENSMUSG00000031402.12	542.9739907	1.045795702	5.76E-10	2.61E-09	Mpp1
ENSMUSG00000036775.12	415.3862694	0.941763768	5.79E-10	2.62E-09	Decr2
ENSMUSG00000039178.9	787.7005585	1.076594721	5.84E-10	2.65E-09	Tbc1d19
ENSMUSG00000049792.6	1172.437808	0.899168149	5.89E-10	2.67E-09	Bag5
ENSMUSG00000024590.8	7255.585785	-1.118757433	5.92E-10	2.68E-09	Lmnb1
ENSMUSG00000001076.7	37.36146294	3.037922064	5.96E-10	2.70E-09	C1ql4
ENSMUSG00000094248.1	1399.619887	-2.912667017	5.99E-10	2.71E-09	Hist1h2ao
ENSMUSG00000044770.14	38.63040534	6.774217163	6.01E-10	2.72E-09	Scml4
ENSMUSG00000109893.1	147.076062	-2.072005233	6.02E-10	2.73E-09	RP23-116P5.1
ENSMUSG00000055917.15	1022.241509	-0.965609142	6.05E-10	2.74E-09	Zfp277
ENSMUSG00000027488.12	255.2511342	-1.25731715	6.07E-10	2.75E-09	Snta1
ENSMUSG00000024712.9	1809.255882	0.826456694	6.12E-10	2.77E-09	Rfk
ENSMUSG00000090897.1	20.52300468	-7.903789814	6.18E-10	2.80E-09	Gm44501
ENSMUSG00000074088.6	3527.225706	-0.89235345	6.25E-10	2.83E-09	Snmp40
ENSMUSG00000016637.7	912.4587388	1.670087524	6.26E-10	2.83E-09	Ift27
ENSMUSG00000026723.10	310.1501293	-1.2023083	6.30E-10	2.85E-09	Trdmt1
ENSMUSG00000097195.9	3006.670112	-1.115594046	6.30E-10	2.85E-09	Snhg5
ENSMUSG00000083159.1	250.6565756	-1.017428262	6.32E-10	2.85E-09	RP23-11C7.2
ENSMUSG00000084808.7	51.48795536	2.267844649	6.35E-10	2.87E-09	AC093451.2
ENSMUSG00000112056.1	29.24626651	4.734649545	6.41E-10	2.89E-09	RP23-469K15.2
ENSMUSG00000116656.1	147.887103	1.349094431	6.48E-10	2.92E-09	RP23-472H13.5
ENSMUSG00000073079.6	6190.2543	0.736884707	6.50E-10	2.93E-09	Srp54a
ENSMUSG00000092090.2	36.50848809	4.328538808	6.53E-10	2.95E-09	RP23-189E15.2
ENSMUSG00000024384.4	4030.157692	-1.221840623	6.54E-10	2.95E-09	lws1
ENSMUSG00000060579.13	25.21722508	3.75041878	6.56E-10	2.96E-09	Fhit
ENSMUSG00000086746.2	23.05509198	4.391316507	6.58E-10	2.97E-09	RP23-87H19.3
ENSMUSG00000090698.2	23.13135095	4.401186008	6.58E-10	2.97E-09	Apold1
ENSMUSG00000018882.12	3587.780929	-1.300446472	6.62E-10	2.99E-09	Mrpl45
ENSMUSG00000018415.14	2655.924688	-0.777492084	6.62E-10	2.99E-09	Gid4
ENSMUSG00000033589.4	438.0219631	-1.095026948	6.68E-10	3.01E-09	Reep4
ENSMUSG00000059173.19	22.09247068	7.844166737	6.77E-10	3.05E-09	Pde1a
ENSMUSG00000034591.5	301.9377766	1.369402228	6.82E-10	3.07E-09	Slc41a2
ENSMUSG00000081738.1	1971.475594	-0.988288281	6.84E-10	3.08E-09	Hmgb1-ps2
ENSMUSG00000038943.16	2790.071856	-0.961594725	6.87E-10	3.10E-09	Prc1
ENSMUSG00000016495.12	795.8300081	1.386328434	6.87E-10	3.10E-09	Plgrkt
ENSMUSG00000000690.5	35.93521928	7.573710636	6.93E-10	3.12E-09	Hoxb6
ENSMUSG00000103373.1	34.6331622	-3.222682363	6.96E-10	3.14E-09	RP24-270A10.5
ENSMUSG00000030061.16	4741.22554	-0.725456624	6.97E-10	3.14E-09	Uba3
ENSMUSG00000083856.1	545.8866502	-1.969326889	6.99E-10	3.15E-09	RP23-189F6.3
ENSMUSG00000109575.1	40.48670002	6.854912681	7.03E-10	3.16E-09	RP23-60N8.3
ENSMUSG00000114193.1	65.82321407	2.372804662	7.04E-10	3.17E-09	RP23-215B8.5
ENSMUSG00000094777.2	1399.086579	-2.917473629	7.10E-10	3.19E-09	Hist1h2ap
ENSMUSG00000101599.1	393.9890259	1.688858162	7.14E-10	3.21E-09	RP23-13C17.6
ENSMUSG00000085085.2	78.04977585	1.861627132	7.20E-10	3.24E-09	RP23-269B7.6
ENSMUSG00000114456.1	38.98562876	2.975358966	7.26E-10	3.27E-09	Hist1h2bh

ENSMUSG00000097638.1	22.39694116	7.856144944	7.30E-10	3.28E-09	Carlr
ENSMUSG00000046229.9	1394.765972	2.446755947	7.35E-10	3.30E-09	Scand1
ENSMUSG00000046010.7	1452.190954	-0.74900304	7.35E-10	3.31E-09	Zfp830
ENSMUSG00000072889.9	2010.998719	-0.887226178	7.38E-10	3.32E-09	Nfxl1
ENSMUSG00000039004.6	256.7664141	2.277969809	7.38E-10	3.32E-09	Brmp6
ENSMUSG00000058729.13	651.49298	-1.345563903	7.45E-10	3.35E-09	Lin9
ENSMUSG00000063801.7	3353.120704	0.73768926	7.49E-10	3.37E-09	Ap3s2
ENSMUSG00000062518.7	489.5802957	-2.714456885	7.51E-10	3.37E-09	Zfp534
ENSMUSG00000028700.14	1907.215007	0.734057462	7.51E-10	3.37E-09	Pomgnt1
ENSMUSG00000036790.5	296.5425391	1.402787179	7.53E-10	3.38E-09	Slitrk2
ENSMUSG00000040907.15	5627.552241	2.081825273	7.54E-10	3.39E-09	Atp1a3
ENSMUSG00000022052.9	5306.069541	-0.942091048	7.60E-10	3.41E-09	Ppp2r2a
ENSMUSG00000092223.1	142.8667927	-1.452780745	7.60E-10	3.41E-09	RP23-98F21.10
ENSMUSG00000112639.1	125.6769563	3.056503923	7.62E-10	3.42E-09	RP24-310D17.9
ENSMUSG00000040264.10	31.29941591	4.43790102	7.70E-10	3.45E-09	Gbp2b
ENSMUSG00000090462.7	24.67830514	5.098711331	7.77E-10	3.49E-09	RP24-376M8.1
ENSMUSG00000113165.1	26.31611626	3.81772282	7.86E-10	3.52E-09	RP24-276C17.2
ENSMUSG00000071207.4	168.1507179	-1.43035553	7.89E-10	3.54E-09	RP23-174O6.2
ENSMUSG00000100213.1	68.22782075	2.542640782	7.93E-10	3.55E-09	RP24-287C2.2
ENSMUSG00000024560.6	1972.777469	-1.040663213	7.95E-10	3.56E-09	Cxxc1
ENSMUSG00000033940.8	6470.050307	1.941017875	7.96E-10	3.57E-09	Brk1
ENSMUSG00000055024.12	5190.52638	-1.909177726	7.98E-10	3.57E-09	Ep300
ENSMUSG00000037408.10	715.048273	-1.640693085	7.99E-10	3.58E-09	Cnm4
ENSMUSG00000033531.15	2142.790855	1.994333735	7.99E-10	3.58E-09	Dgcr6
ENSMUSG00000022236.10	86.8331503	2.419596262	8.02E-10	3.59E-09	Ropn1l
ENSMUSG0000003271.17	28.86052109	3.116737458	8.02E-10	3.59E-09	Sult2b1
ENSMUSG00000055489.8	46.61773871	2.58490305	8.04E-10	3.60E-09	Ano5
ENSMUSG00000024331.11	661.59287	-1.59906414	8.06E-10	3.61E-09	Dsc2
ENSMUSG00000100680.1	133.2601506	2.42241456	8.07E-10	3.61E-09	RP23-190H11.5
ENSMUSG00000060275.12	41.38152991	3.031389897	8.09E-10	3.62E-09	Nrg2
ENSMUSG00000033342.13	41.40580858	3.133617994	8.11E-10	3.63E-09	Plppr5
ENSMUSG00000103622.1	35.66150582	2.649093247	8.13E-10	3.64E-09	RP23-298I7.2
ENSMUSG00000107724.1	160.2988679	-2.052107019	8.19E-10	3.67E-09	RP24-267I24.3
ENSMUSG00000068114.7	791.8353529	-0.987440265	8.24E-10	3.69E-09	Ccdc134
ENSMUSG00000041168.9	5755.644538	-0.691166046	8.37E-10	3.74E-09	Lonp1
ENSMUSG00000043252.8	1396.267307	-1.237612342	8.40E-10	3.76E-09	Tmem64
ENSMUSG00000102047.1	19.50416767	-7.829853507	8.43E-10	3.77E-09	RP24-389K16.1
ENSMUSG00000047904.6	45.66128193	3.245590864	8.46E-10	3.78E-09	Sstr2
ENSMUSG00000082431.3	2437.526246	1.7931382	8.48E-10	3.79E-09	Tdpx-ps1
ENSMUSG00000036006.19	25.37306191	4.824261145	8.49E-10	3.79E-09	Fam65b
ENSMUSG00000095315.1	59.68551903	-2.299533525	8.49E-10	3.79E-09	Gm10130
ENSMUSG00000066406.15	1445.544845	-1.968493985	8.59E-10	3.84E-09	Akap13
ENSMUSG00000083841.1	207.0754475	-1.327133794	8.59E-10	3.84E-09	RP23-22J3.2
ENSMUSG00000090381.2	1974.521663	-1.009782981	8.65E-10	3.86E-09	RP24-289M23.1
ENSMUSG00000104871.1	25.06258993	4.51827018	8.68E-10	3.87E-09	RP24-231P10.2
ENSMUSG00000077734.1	40.7503486	-2.210821951	8.68E-10	3.88E-09	Snord83b
ENSMUSG00000102555.1	168.6679911	-1.596384343	8.83E-10	3.94E-09	RP23-474B13.2
ENSMUSG00000002550.16	1501.630227	0.938362352	8.99E-10	4.01E-09	Uck1
ENSMUSG00000037712.16	2808.861884	-0.992968636	8.99E-10	4.01E-09	Fermt2
ENSMUSG00000083646.1	144.580851	-3.316890444	9.02E-10	4.02E-09	RP23-149O3.1
ENSMUSG00000109094.1	27.2349682	8.136809297	9.03E-10	4.03E-09	RP24-213J23.4
ENSMUSG00000056121.15	899.8676785	0.845087709	9.07E-10	4.04E-09	Fez2
ENSMUSG00000020211.15	2405.282995	-1.185866703	9.10E-10	4.06E-09	Sf3a2
ENSMUSG00000041696.14	27.48873396	-3.844342263	9.16E-10	4.08E-09	Rasl12
ENSMUSG00000026618.11	2724.790507	-1.424484183	9.17E-10	4.09E-09	Iars2
ENSMUSG00000029049.14	111.1327419	1.488991332	9.18E-10	4.09E-09	Morn1
ENSMUSG00000112278.1	29.30830265	4.526826891	9.26E-10	4.13E-09	RP23-454I20.1
ENSMUSG00000029993.16	1103.813557	1.339105875	9.29E-10	4.14E-09	Nfu1
ENSMUSG00000053436.14	3611.190337	-0.841363963	9.32E-10	4.15E-09	Mapk14
ENSMUSG00000101262.1	6655.155819	-1.084174269	9.37E-10	4.17E-09	RP23-76C10.2
ENSMUSG00000029655.17	2759.967097	-0.837982115	9.47E-10	4.22E-09	N4bp2l2
ENSMUSG00000036856.4	627.1712364	1.460729709	9.49E-10	4.23E-09	Wnt4
ENSMUSG00000018761.14	3461.046944	1.36988389	9.54E-10	4.25E-09	Mpdu1
ENSMUSG00000030276.19	227.7718271	2.404332543	9.59E-10	4.27E-09	Tll3
ENSMUSG00000073616.10	2458.11574	2.448013452	9.59E-10	4.27E-09	Cops9
ENSMUSG00000015839.6	1547.290086	-1.016111965	9.60E-10	4.27E-09	Nfe2l2
ENSMUSG00000110808.1	197.6560149	-2.116557593	9.63E-10	4.29E-09	RP23-104D6.2
ENSMUSG00000081232.3	1130.015912	-3.309369123	9.66E-10	4.30E-09	RP23-317B9.1
ENSMUSG00000021416.11	114.0576152	1.342785884	9.66E-10	4.30E-09	Eci3
ENSMUSG00000042595.7	3350.028115	-1.163718245	9.71E-10	4.32E-09	Fam199x
ENSMUSG00000026200.13	175.6017466	2.191299682	9.73E-10	4.33E-09	Glb1l
ENSMUSG00000027832.5	43.91638731	3.67319648	9.81E-10	4.36E-09	Ptx3
ENSMUSG00000024542.9	3232.398138	-2.164811727	9.88E-10	4.39E-09	Cep192
ENSMUSG00000044876.15	1524.647508	0.889265289	9.88E-10	4.39E-09	Zfp444
ENSMUSG00000024338.14	31.19676227	4.217943877	9.90E-10	4.40E-09	Psmb8
ENSMUSG00000042790.16	1496.94599	0.960306182	1.01E-09	4.47E-09	Rnf214
ENSMUSG00000052533.14	3745.860935	-2.158626909	1.01E-09	4.47E-09	Nup188
ENSMUSG00000033161.10	18258.4498	-1.108173488	1.01E-09	4.48E-09	Atp1a1
ENSMUSG00000004264.17	13093.65545	-0.967047844	1.01E-09	4.49E-09	Phb2
ENSMUSG00000041189.9	185.4970537	1.271976234	1.01E-09	4.49E-09	Chrn1
ENSMUSG00000053332.13	3451.90352	-1.055384377	1.01E-09	4.50E-09	Gas5
ENSMUSG00000004347.16	386.3192888	1.826886669	1.01E-09	4.50E-09	Pde1c
ENSMUSG00000002930.6	36.62011288	7.603615391	1.02E-09	4.52E-09	Ppp1r17

ENSMUSG00000071669.14	117.8746095	2.703558515	1.02E-09	4.52E-09	Snx29
ENSMUSG00000072620.3	21.15115608	7.775811931	1.03E-09	4.57E-09	Slnf2
ENSMUSG00000001665.11	69.29979131	-3.072314696	1.04E-09	4.62E-09	Gstt3
ENSMUSG00000016520.7	367.690003	-1.676230964	1.04E-09	4.63E-09	Lnx2
ENSMUSG00000039476.13	57.53136941	-2.111891673	1.07E-09	4.72E-09	Prrx2
ENSMUSG00000089686.2	220.3133781	-2.229087424	1.07E-09	4.74E-09	Mnd1-ps
ENSMUSG00000090258.7	528.7806332	1.999582334	1.07E-09	4.75E-09	Churc1
ENSMUSG00000025366.8	1635.182074	1.382931874	1.07E-09	4.76E-09	Esyt1
ENSMUSG00000038704.12	38.52216172	6.783611013	1.07E-09	4.76E-09	Aspdh
ENSMUSG00000098332.2	209.6933092	1.935386404	1.07E-09	4.76E-09	RP24-176F12.14
ENSMUSG00000048138.9	24.29228284	4.75933871	1.08E-09	4.76E-09	Dmrt2
ENSMUSG00000031344.11	37.27171857	2.563305798	1.09E-09	4.82E-09	Gabrq
ENSMUSG00000090674.1	156.4241342	-2.031348088	1.09E-09	4.82E-09	RP23-18J12.4
ENSMUSG00000025373.14	2123.608274	0.708444688	1.09E-09	4.83E-09	Rnf41
ENSMUSG00000083070.2	33.13304708	-2.93535949	1.10E-09	4.87E-09	RP23-319M16.1
ENSMUSG00000108242.1	20.55673589	7.740377029	1.10E-09	4.88E-09	RP24-136N24.1
ENSMUSG00000026111.15	1244.799412	0.990375683	1.10E-09	4.88E-09	Unc50
ENSMUSG00000113626.1	138.603242	-1.405429993	1.10E-09	4.88E-09	RP23-29I12.1
ENSMUSG0000003814.8	25583.78815	-0.701339883	1.11E-09	4.90E-09	Calr
ENSMUSG00000031669.10	451.5183364	-0.926908976	1.12E-09	4.94E-09	Gins3
ENSMUSG00000096403.2	4430.890489	-0.761259212	1.12E-09	4.94E-09	RP23-126H2.2
ENSMUSG00000005069.12	3030.966063	0.775940071	1.14E-09	5.03E-09	Pex5
ENSMUSG00000072720.9	90.80953229	2.414728874	1.14E-09	5.04E-09	Myo18b
ENSMUSG00000040350.16	42.1163569	2.373498614	1.15E-09	5.08E-09	Trim7
ENSMUSG00000083679.1	2093.251858	1.583854424	1.16E-09	5.11E-09	RP23-346N8.2
ENSMUSG00000035849.14	106.0259707	1.879212124	1.17E-09	5.17E-09	Krt222
ENSMUSG00000027858.13	1209.687195	-1.117089135	1.18E-09	5.21E-09	Tspan2
ENSMUSG00000037885.18	1881.668434	-1.864415317	1.19E-09	5.24E-09	Stk35
ENSMUSG00000028430.14	4320.710714	-1.313349485	1.19E-09	5.26E-09	Nol6
ENSMUSG00000060032.6	1629.36965	2.074637324	1.19E-09	5.27E-09	H2afj
ENSMUSG00000032422.17	960.1155309	0.975686673	1.21E-09	5.36E-09	Snx14
ENSMUSG00000022382.15	436.2587733	8.484235911	1.22E-09	5.37E-09	Wnt7b
ENSMUSG00000055471.6	72.80297161	4.480585113	1.23E-09	5.44E-09	Alk
ENSMUSG00000114607.1	174.0557454	-2.472390083	1.24E-09	5.48E-09	RP24-167E3.4
ENSMUSG00000054951.2	34.2112603	-3.347838499	1.26E-09	5.56E-09	9130008F23Rik
ENSMUSG00000030265.14	7735.552995	-1.027948337	1.27E-09	5.59E-09	Kras
ENSMUSG00000044141.8	427.185202	-1.061241886	1.27E-09	5.59E-09	AC099930.3
ENSMUSG00000015745.9	1168.433305	1.231855633	1.27E-09	5.60E-09	Plekho1
ENSMUSG00000104277.1	43.68059409	2.606675719	1.27E-09	5.60E-09	RP23-365F1.5
ENSMUSG00000063765.12	26.21579477	4.360551008	1.28E-09	5.64E-09	Chadl
ENSMUSG00000010830.8	72.26877785	2.285203817	1.28E-09	5.64E-09	Kdelr3
ENSMUSG00000020042.15	493.0438393	1.741954927	1.28E-09	5.64E-09	Btbd11
ENSMUSG00000064080.12	941.4435875	1.446963914	1.28E-09	5.65E-09	Fbln2
ENSMUSG00000045776.3	34.7214723	7.520632749	1.31E-09	5.75E-09	Lrtm1
ENSMUSG00000038542.14	1826.978956	-0.840952626	1.31E-09	5.78E-09	Pcid2
ENSMUSG00000107906.1	2093.527268	-0.909114519	1.34E-09	5.92E-09	RP24-228N8.1
ENSMUSG00000082394.1	511.7316793	-1.184655186	1.36E-09	6.00E-09	AC025622.3
ENSMUSG00000099907.1	23.21760196	3.969163639	1.37E-09	6.02E-09	RP23-393F10.2
ENSMUSG00000040618.7	2062.531263	-1.108438375	1.38E-09	6.07E-09	Pck2
ENSMUSG00000030421.9	2362.08966	-1.112377508	1.39E-09	6.11E-09	Uri1
ENSMUSG00000081670.1	153.2389428	-1.25627529	1.39E-09	6.12E-09	RP23-155A10.2
ENSMUSG00000086714.1	31.57386368	3.684637113	1.39E-09	6.13E-09	RP23-306D20.11
ENSMUSG00000085260.7	27.25511675	4.641310426	1.40E-09	6.16E-09	Med9os
ENSMUSG00000065482.1	19.01343287	-7.796378669	1.41E-09	6.19E-09	Mir302c
ENSMUSG00000027381.16	999.6274057	-1.236569099	1.41E-09	6.19E-09	Bcl2l11
ENSMUSG00000026994.9	135.4398795	-1.593920278	1.42E-09	6.23E-09	Galnt3
ENSMUSG00000031730.18	953.8148895	-0.77296753	1.43E-09	6.27E-09	Dhodh
ENSMUSG00000017221.14	10328.21536	-0.655343332	1.43E-09	6.29E-09	Psmc3
ENSMUSG00000030861.15	1233.137155	1.107360541	1.44E-09	6.32E-09	Acad5b
ENSMUSG00000049038.3	473.9296579	0.966107661	1.44E-09	6.34E-09	Mterf2
ENSMUSG00000026987.16	3312.762176	0.700546844	1.45E-09	6.38E-09	Baz2b
ENSMUSG00000044966.4	129.7765588	-1.496444118	1.46E-09	6.39E-09	Fbxo48
ENSMUSG00000032556.11	20.77184228	7.746642082	1.46E-09	6.39E-09	Bfsp2
ENSMUSG00000021363.14	103.3608462	-2.220414571	1.46E-09	6.40E-09	Mak
ENSMUSG00000039813.14	56.35452079	-2.0358286	1.46E-09	6.40E-09	Tbc1d2
ENSMUSG00000032114.9	526.0390431	1.138920663	1.46E-09	6.42E-09	Slc37a4
ENSMUSG00000040312.14	541.0567198	-0.833152031	1.47E-09	6.46E-09	Cchcr1
ENSMUSG00000057531.14	1230.617599	1.270311699	1.48E-09	6.49E-09	Dtnbp1
ENSMUSG00000042677.7	44.81038281	-2.268060088	1.48E-09	6.49E-09	Zc3h12a
ENSMUSG00000042682.9	2124.431723	1.380475982	1.49E-09	6.53E-09	Selk
ENSMUSG00000049409.9	87.95231227	-1.693337589	1.49E-09	6.53E-09	Prokr1
ENSMUSG00000040938.16	40.78326155	-2.913700897	1.51E-09	6.64E-09	Slc16a11
ENSMUSG00000002221.11	2087.792448	-1.652998804	1.52E-09	6.66E-09	Paxip1
ENSMUSG00000032481.17	12002.22787	-1.192059981	1.52E-09	6.68E-09	Smarcc1
ENSMUSG000000059279.11	35.51685936	7.553256858	1.52E-09	6.68E-09	Olfir224
ENSMUSG00000114139.1	75.55592756	1.733771782	1.53E-09	6.70E-09	RP23-64B3.3
ENSMUSG00000026064.15	6866.576089	0.640619333	1.53E-09	6.72E-09	Ptp4a1
ENSMUSG00000100160.1	83.94693949	2.051312166	1.54E-09	6.74E-09	RP23-461J11.1
ENSMUSG00000038806.7	2075.165523	-1.198192586	1.54E-09	6.76E-09	Sde2
ENSMUSG00000096935.5	62.15314452	2.673238866	1.54E-09	6.76E-09	RP23-68H24.4
ENSMUSG00000003660.10	9542.586875	-1.430327456	1.54E-09	6.77E-09	Snrnp200
ENSMUSG00000070498.3	21.96241542	7.837713387	1.55E-09	6.77E-09	Tmem132b
ENSMUSG00000020440.13	3756.009668	1.825351996	1.55E-09	6.77E-09	Arf5

ENSMUSG00000034931.15	4733.768681	-1.572361932	1.55E-09	6.80E-09	Dhx8
ENSMUSG0000004698.10	322.3805156	-1.092008994	1.56E-09	6.84E-09	Hdac9
ENSMUSG00000032050.17	10528.10091	-1.067031002	1.57E-09	6.85E-09	Rdx
ENSMUSG00000050248.11	703.4700593	-1.616855596	1.57E-09	6.89E-09	Evc2
ENSMUSG00000035047.9	1636.556306	-0.945222723	1.58E-09	6.92E-09	Kri1
ENSMUSG00000034863.9	1294.329014	1.450699896	1.58E-09	6.93E-09	Ano8
ENSMUSG00000116350.1	17.59081289	-7.682822411	1.60E-09	6.99E-09	RP23-456N8.1
ENSMUSG00000087038.9	21.41694767	7.79005756	1.60E-09	6.99E-09	RP23-152P11.2
ENSMUSG000000109956.1	34.94472903	2.80899182	1.62E-09	7.07E-09	RP24-156K15.4
ENSMUSG00000003134.10	158.4084057	2.110924007	1.63E-09	7.14E-09	Tbc1d8
ENSMUSG00000026285.7	30.13652798	-7.489583626	1.64E-09	7.16E-09	Pdcd1
ENSMUSG00000062939.11	122.255673	-2.433837131	1.64E-09	7.18E-09	Stat4
ENSMUSG00000022983.16	2739.353963	-2.080583252	1.64E-09	7.18E-09	Scaf4
ENSMUSG00000043259.15	600.6609957	1.196475646	1.65E-09	7.19E-09	Fam13c
ENSMUSG00000014778.10	513.6559235	-1.484877123	1.65E-09	7.23E-09	Fhod1
ENSMUSG00000020691.13	1752.27234	-1.209700546	1.66E-09	7.26E-09	Mettl2
ENSMUSG00000084153.2	379.6316356	-1.621877458	1.67E-09	7.30E-09	RP23-269N23.5
ENSMUSG00000030114.8	25.39309161	5.572564776	1.67E-09	7.31E-09	Klrg1
ENSMUSG00000107951.1	46597.1312	-1.079028323	1.68E-09	7.33E-09	RP24-407P8.1
ENSMUSG00000049932.3	1827.531934	-0.994512769	1.68E-09	7.34E-09	H2afx
ENSMUSG00000027828.12	16126.87267	-0.783344547	1.69E-09	7.37E-09	Ssr3
ENSMUSG00000037787.14	860.5947474	1.164932263	1.69E-09	7.37E-09	Apopt1
ENSMUSG00000030980.17	8598.800734	-0.845250909	1.69E-09	7.37E-09	Knop1
ENSMUSG00000049354.8	8037.90968	1.716073759	1.69E-09	7.38E-09	Dcaf7
ENSMUSG00000093579.1	23.53636445	3.491601199	1.69E-09	7.38E-09	RP24-262G23.5
ENSMUSG0000005262.13	2220.387791	0.683632068	1.69E-09	7.38E-09	Ufd1l
ENSMUSG000000205351.14	3122.131457	1.649769959	1.69E-09	7.39E-09	Cd63
ENSMUSG00000116089.1	322.9897952	1.466930991	1.71E-09	7.44E-09	RP23-237110.2
ENSMUSG00000113262.1	35.30451196	2.752589105	1.71E-09	7.46E-09	AC155937.10
ENSMUSG00000032372.14	23.26140287	4.680588577	1.72E-09	7.51E-09	Plscr2
ENSMUSG00000042293.8	84.15422446	3.270895618	1.73E-09	7.52E-09	RP23-147123.2
ENSMUSG00000111601.1	63.65423132	-2.12930216	1.73E-09	7.52E-09	RP23-346G14.1
ENSMUSG00000085829.1	59.18119929	2.831747338	1.74E-09	7.59E-09	RP24-285J23.2
ENSMUSG00000021000.16	2454.310092	-1.480799237	1.74E-09	7.59E-09	Mia2
ENSMUSG00000107201.1	112.7306751	1.328119851	1.74E-09	7.59E-09	RP23-113M20.4
ENSMUSG00000001622.15	39.18317386	7.693933823	1.76E-09	7.67E-09	Csn3
ENSMUSG00000069302.5	253.1536589	-2.525445862	1.76E-09	7.67E-09	Hist1h2ah
ENSMUSG00000020721.16	4550.231972	-1.017055731	1.78E-09	7.74E-09	Helz
ENSMUSG00000084353.1	982.6790775	-1.265532331	1.78E-09	7.76E-09	AC163389.1
ENSMUSG00000107747.1	963.5507244	0.750957299	1.80E-09	7.81E-09	RP24-322F4.3
ENSMUSG00000026803.17	819.8559194	-0.938874196	1.80E-09	7.82E-09	Ttf1
ENSMUSG00000085696.8	19.40958756	7.654076256	1.80E-09	7.84E-09	Hoxaas3
ENSMUSG00000069301.5	1014.843913	-2.946458958	1.81E-09	7.88E-09	Hist1h2ag
ENSMUSG00000025213.11	30.29904775	3.625198161	1.81E-09	7.89E-09	Kazald1
ENSMUSG00000018919.10	31.77198585	-2.503041735	1.82E-09	7.89E-09	Tm4sf5
ENSMUSG00000021390.6	20.89820162	7.754773971	1.83E-09	7.95E-09	Ogn
ENSMUSG00000021534.8	33.81127827	3.656792677	1.83E-09	7.96E-09	RP24-85H21.6
ENSMUSG00000082570.1	76.19656318	-2.004964805	1.84E-09	7.99E-09	RP23-261K17.1
ENSMUSG00000103968.1	19.22304839	-7.808521724	1.84E-09	7.99E-09	RP23-272A7.1
ENSMUSG00000038121.6	1636.565279	-1.124131428	1.84E-09	7.99E-09	Fam210a
ENSMUSG00000037851.13	7759.178948	-1.465970261	1.84E-09	7.99E-09	lars
ENSMUSG00000036955.16	1702.256948	1.099250852	1.85E-09	8.05E-09	Kif1bp
ENSMUSG00000022797.16	16883.0716	-0.991092767	1.85E-09	8.05E-09	Tfrc
ENSMUSG00000037638.5	119.5983493	1.515812646	1.86E-09	8.06E-09	Zbtb42
ENSMUSG00000027598.16	2870.851759	-1.275420579	1.86E-09	8.07E-09	Itch
ENSMUSG00000018479.12	19.20026913	7.637300902	1.86E-09	8.08E-09	RP23-286B12.2
ENSMUSG00000024027.7	22.86668825	-5.597051024	1.87E-09	8.12E-09	Glp1r
ENSMUSG00000028878.11	838.2345956	0.841605257	1.88E-09	8.16E-09	Fam76a
ENSMUSG00000083693.1	758.8535354	-1.058401621	1.88E-09	8.17E-09	RP23-74L9.4
ENSMUSG00000090690.1	25.06664047	5.114995481	1.89E-09	8.21E-09	RP24-230H12.3
ENSMUSG00000030970.16	3677.860343	-0.656411243	1.90E-09	8.24E-09	Ctbp2
ENSMUSG00000026478.14	6771.15913	-2.313129087	1.90E-09	8.25E-09	Lamc1
ENSMUSG00000026614.6	123.512441	-1.743049224	1.91E-09	8.27E-09	Slc30a10
ENSMUSG00000100789.6	38.21643919	7.658326184	1.92E-09	8.32E-09	RP23-226D9.5
ENSMUSG00000081235.1	145.9292244	-1.535118631	1.94E-09	8.39E-09	RP23-472118.3
ENSMUSG00000019689.4	658.9281244	2.061261679	1.94E-09	8.40E-09	RP23-155A10.1
ENSMUSG00000021731.10	1943.633194	-0.977121139	1.95E-09	8.46E-09	Mrps30
ENSMUSG00000041817.14	3637.428296	-1.281142431	1.98E-09	8.56E-09	Fam169a
ENSMUSG00000030406.7	76.49926946	-1.677084858	1.98E-09	8.57E-09	Gipr
ENSMUSG00000022119.15	2198.188279	-1.232676208	1.99E-09	8.61E-09	Rbm26
ENSMUSG00000023945.6	143.348159	-1.706073914	2.00E-09	8.66E-09	Slc5a7
ENSMUSG00000030772.6	249.2531057	1.585593027	2.00E-09	8.67E-09	Dkk3
ENSMUSG00000070047.14	9524.812931	-2.289818229	2.01E-09	8.68E-09	Fat1
ENSMUSG00000017802.14	3817.867172	0.771088386	2.04E-09	8.83E-09	Fam134c
ENSMUSG00000020167.14	4430.94815	-0.672164766	2.06E-09	8.93E-09	Tcf3
ENSMUSG00000058897.17	88.76999522	2.448049103	2.07E-09	8.95E-09	Col25a1
ENSMUSG00000075707.5	29.35217896	3.350356738	2.12E-09	9.17E-09	Dio3
ENSMUSG00000074158.9	667.2130864	-2.02901229	2.14E-09	9.24E-09	RP23-467K15.2
ENSMUSG00000034487.4	359.6223393	-1.292603793	2.15E-09	9.29E-09	Kdelc2
ENSMUSG00000032489.17	39.28833713	3.071008699	2.15E-09	9.29E-09	Kif9
ENSMUSG00000026809.15	27.69191663	4.426574837	2.16E-09	9.34E-09	RP23-362N19.4
ENSMUSG00000033991.9	1595.356615	-1.669201394	2.18E-09	9.42E-09	Ttc37
ENSMUSG00000034424.5	3551.188657	-1.367150925	2.18E-09	9.43E-09	Gcsh

ENSMUSG00000041301.15	1540.873543	-1.856824339	2.22E-09	9.58E-09	Cfr
ENSMUSG00000065208.1	50.29231772	-2.705088425	2.24E-09	9.67E-09	Gm24616
ENSMUSG000000113052.1	28.20720397	3.516199642	2.25E-09	9.71E-09	RP23-46D6.4
ENSMUSG00000054309.9	2843.637114	-0.735076813	2.26E-09	9.75E-09	Cpsf3
ENSMUSG00000037813.13	147.6489131	-1.590473763	2.26E-09	9.76E-09	RP23-407H16.1
ENSMUSG00000021219.16	31.57767878	6.4791346	2.26E-09	9.77E-09	Rgs6
ENSMUSG00000105945.1	52.31945434	3.207805278	2.27E-09	9.78E-09	RP24-493L18.4
ENSMUSG00000002731.6	1723.110169	1.004452259	2.27E-09	9.78E-09	Prkra
ENSMUSG00000097309.2	51.0347433	2.018101084	2.27E-09	9.78E-09	RP24-326A21.3
ENSMUSG00000080775.1	4461.711375	-1.062849573	2.28E-09	9.83E-09	RP23-294O1.1
ENSMUSG00000102960.1	60.32604296	1.879035168	2.29E-09	9.87E-09	RP24-444I15.4
ENSMUSG00000056394.17	5700.979086	-0.7231324	2.29E-09	9.88E-09	Lig1
ENSMUSG000000115411.1	205.7225891	-1.332521391	2.29E-09	9.89E-09	RP23-307K19.2
ENSMUSG00000039774.12	531.4785873	0.880370975	2.31E-09	9.94E-09	Galnt12
ENSMUSG00000109887.1	35.89173943	2.438393749	2.31E-09	9.96E-09	RP24-571A14.6
ENSMUSG00000016427.7	1881.358148	1.966390248	2.32E-09	9.99E-09	Ndufa1
ENSMUSG00000040296.15	91.00034914	1.720284317	2.34E-09	1.01E-08	Ddx58
ENSMUSG00000027615.14	838.2494388	-1.372126553	2.35E-09	1.01E-08	Hps3
ENSMUSG00000070708.5	28.33076495	-7.398217012	2.36E-09	1.01E-08	Gtsf11
ENSMUSG00000107927.1	37.89223685	7.645962566	2.37E-09	1.02E-08	RP23-435I16.2
ENSMUSG00000020057.2	48.72698347	-2.436086588	2.38E-09	1.03E-08	Dram1
ENSMUSG00000022186.14	4864.382616	0.642298428	2.40E-09	1.03E-08	Oxct1
ENSMUSG00000115602.1	278.5347633	-1.331229983	2.42E-09	1.04E-08	RP24-388K7.2
ENSMUSG000000026941.16	104.0128063	-1.75802371	2.44E-09	1.05E-08	Mamdc4
ENSMUSG00000028419.5	3389.480053	1.332410764	2.45E-09	1.05E-08	Chmp5
ENSMUSG00000046854.16	87.92277481	-1.775502853	2.45E-09	1.05E-08	Pip5k11
ENSMUSG00000041779.5	519.9308538	-1.794860176	2.50E-09	1.07E-08	Tram2
ENSMUSG00000059213.7	33.54461916	3.093008595	2.53E-09	1.09E-08	Ddn
ENSMUSG00000106683.1	18.90589957	7.619730987	2.53E-09	1.09E-08	RP23-468H22.3
ENSMUSG00000108063.1	50.96196054	2.46324321	2.54E-09	1.09E-08	RP23-287D23.1
ENSMUSG000000066043.13	1086.200093	-1.977361193	2.56E-09	1.10E-08	Phactr4
ENSMUSG00000083240.3	2197.720807	1.447846519	2.56E-09	1.10E-08	RP23-154H8.1
ENSMUSG00000111554.1	415.2175782	-2.339590634	2.56E-09	1.10E-08	RP23-55G19.1
ENSMUSG00000045414.7	1840.019265	-1.133863902	2.58E-09	1.11E-08	RP23-253N17.1
ENSMUSG00000053841.15	4956.570129	-1.134617519	2.59E-09	1.11E-08	Txlna
ENSMUSG00000003731.13	4165.971073	-1.694499975	2.60E-09	1.12E-08	Kpna6
ENSMUSG00000022305.13	2214.82345	1.605255257	2.60E-09	1.12E-08	Lrp12
ENSMUSG00000049123.10	41.17020982	-2.298288326	2.60E-09	1.12E-08	Catsperg2
ENSMUSG00000035435.16	29.5595308	4.164286066	2.60E-09	1.12E-08	Abca17
ENSMUSG00000067869.4	2016.387281	-1.342369743	2.62E-09	1.12E-08	Tcea1-ps1
ENSMUSG00000034088.15	15035.603	-1.399736467	2.62E-09	1.12E-08	Hdlbp
ENSMUSG00000017679.16	1129.450124	1.351350852	2.64E-09	1.13E-08	Ttpal
ENSMUSG00000009995.17	1193.892419	0.960607019	2.64E-09	1.13E-08	Taz
ENSMUSG00000078905.8	328.0370758	-1.101531468	2.64E-09	1.13E-08	RP23-330D3.5
ENSMUSG00000103482.1	22.3504646	7.851535414	2.64E-09	1.13E-08	RP23-109J14.2
ENSMUSG00000068099.4	42.0572676	3.387217001	2.69E-09	1.15E-08	AC104325.1
ENSMUSG00000100586.2	19.21242093	7.639272206	2.69E-09	1.16E-08	Vmn1r90
ENSMUSG00000044626.13	39.79173356	-2.4394652	2.71E-09	1.16E-08	Liph
ENSMUSG00000037111.9	3485.453669	-1.885696089	2.75E-09	1.18E-08	Setd7
ENSMUSG00000017144.8	2479.33406	1.134567083	2.76E-09	1.18E-08	Rnd3
ENSMUSG00000061479.15	2796.050621	-0.793205681	2.76E-09	1.18E-08	Snrpa
ENSMUSG00000028976.10	41.92391197	-2.161253133	2.76E-09	1.18E-08	Slc2a5
ENSMUSG00000001270.9	6097.288048	1.504143349	2.76E-09	1.18E-08	Ckb
ENSMUSG00000066363.12	20.46884422	7.73632807	2.77E-09	1.18E-08	Serpina3f
ENSMUSG00000111128.1	436.3698821	1.283293942	2.77E-09	1.19E-08	RP23-3F1.8
ENSMUSG00000103693.1	33.65837603	5.53589592	2.77E-09	1.19E-08	RP24-540L1.2
ENSMUSG00000036698.11	9492.780582	-1.641538199	2.81E-09	1.20E-08	Ago2
ENSMUSG00000053040.13	208.666143	1.437421977	2.81E-09	1.20E-08	Aph1c
ENSMUSG00000041842.15	344.27578	1.710968982	2.82E-09	1.21E-08	Fhdc1
ENSMUSG00000058099.16	25.55620746	3.928812913	2.83E-09	1.21E-08	Nfam1
ENSMUSG00000079553.10	1858.276447	-0.703189172	2.84E-09	1.22E-08	Kifc1
ENSMUSG00000089715.12	3864.122794	0.699298942	2.86E-09	1.22E-08	Cbx6
ENSMUSG00000104083.1	41.95754885	-2.276494498	2.86E-09	1.22E-08	RP24-205J15.1
ENSMUSG00000030382.15	33.09073444	4.502841217	2.88E-09	1.23E-08	Slc27a5
ENSMUSG00000048578.11	9702.735033	-1.077372361	2.88E-09	1.23E-08	Mlec
ENSMUSG00000022400.9	3682.700702	1.154941787	2.91E-09	1.24E-08	Rbx1
ENSMUSG00000106383.1	185.6041986	1.356322844	2.91E-09	1.24E-08	RP23-231L15.4
ENSMUSG000000031099.16	2167.366829	1.087947003	2.91E-09	1.24E-08	Smarca1
ENSMUSG00000079889.4	139.1372641	-1.2284138	2.92E-09	1.25E-08	RP23-309E11.3
ENSMUSG00000111933.1	21.22853576	4.271714343	2.92E-09	1.25E-08	RP23-179D3.2
ENSMUSG00000042684.8	38.58569308	2.720854742	2.93E-09	1.25E-08	Npl
ENSMUSG00000024983.10	643.0639356	0.995813557	2.93E-09	1.25E-08	Vti1a
ENSMUSG00000109648.1	33.76204788	7.479057214	2.93E-09	1.25E-08	RP23-300I4.1
ENSMUSG00000024011.16	50.02670882	3.951618229	2.93E-09	1.25E-08	Pi16
ENSMUSG00000018666.13	13330.84601	-0.670584593	2.93E-09	1.25E-08	Cbx1
ENSMUSG00000034206.15	924.1398176	-1.959025219	2.94E-09	1.26E-08	Polq
ENSMUSG00000037434.7	1027.135865	0.743754433	2.97E-09	1.27E-08	Slc30a1
ENSMUSG00000021645.16	2022.150068	-0.984120391	2.98E-09	1.27E-08	Srn1
ENSMUSG00000031137.17	877.5184057	1.20213028	3.00E-09	1.28E-08	Fgf13
ENSMUSG00000035247.16	8440.643195	-1.993932779	3.03E-09	1.29E-08	Hectd1
ENSMUSG00000074527.11	1918.727614	-0.785843862	3.03E-09	1.29E-08	RP23-90C6.1
ENSMUSG00000109864.1	50.1001179	-2.435691486	3.05E-09	1.30E-08	Eid3
ENSMUSG00000019647.16	6444.126263	-1.62888648	3.07E-09	1.31E-08	Sema6a

ENSMUSG00000024302.16	1637.335324	1.360239762	3.10E-09	1.32E-08	Dtna
ENSMUSG00000020308.6	990.1246811	1.772276777	3.11E-09	1.33E-08	Tpgs1
ENSMUSG00000027669.14	1393.30559	0.900575378	3.12E-09	1.33E-08	Gnb4
ENSMUSG00000026565.18	3293.493244	-2.011749641	3.13E-09	1.34E-08	Pou2f1
ENSMUSG00000027496.15	3547.882427	-1.082145579	3.17E-09	1.35E-08	Aurka
ENSMUSG00000018965.11	10193.13386	0.717755522	3.18E-09	1.35E-08	Ywhah
ENSMUSG00000038623.9	298.3080264	-1.177881201	3.18E-09	1.36E-08	Tm6sf1
ENSMUSG00000078161.8	29.3748886	3.701403584	3.21E-09	1.37E-08	Erich3
ENSMUSG000000104184.1	38.35743694	8.639515357	3.23E-09	1.37E-08	RP23-377H12.4
ENSMUSG00000068290.11	2020.795877	1.338166062	3.24E-09	1.38E-08	Ddrgk1
ENSMUSG00000032352.16	747.2374209	-0.79597033	3.24E-09	1.38E-08	Lrrc1
ENSMUSG00000056602.11	1029.908479	1.995498435	3.25E-09	1.38E-08	Fry
ENSMUSG00000073016.3	246.1633719	-2.644153566	3.28E-09	1.39E-08	Uprt
ENSMUSG00000021179.8	1048.861484	-0.740299778	3.29E-09	1.40E-08	Nrde2
ENSMUSG00000056458.16	149.4002449	1.334073831	3.33E-09	1.41E-08	Mok
ENSMUSG00000062075.13	2206.699432	-1.242700304	3.35E-09	1.42E-08	Lmnb2
ENSMUSG00000111795.1	190.8519111	-1.301377665	3.35E-09	1.42E-08	RP23-118M23.8
ENSMUSG00000028121.8	273.1503417	-1.159885745	3.35E-09	1.42E-08	Bcar3
ENSMUSG00000023980.6	815.0775455	-0.932451228	3.36E-09	1.43E-08	Taf8
ENSMUSG00000097284.7	46.6222969	2.27136789	3.35E-09	1.43E-08	4930480K23Rik
ENSMUSG00000029053.16	368.8727214	-0.919821255	3.40E-09	1.44E-08	Prkcz
ENSMUSG00000030086.16	1606.425717	1.970913054	3.41E-09	1.45E-08	Chchd6
ENSMUSG00000082390.1	46.85424989	-2.084352855	3.42E-09	1.45E-08	RP23-287B6.5
ENSMUSG00000058301.8	3961.642522	-1.345587716	3.43E-09	1.46E-08	Upf1
ENSMUSG00000039234.11	501.7082319	-1.932943615	3.44E-09	1.46E-08	Sec24d
ENSMUSG00000014601.13	3957.716947	0.883569773	3.46E-09	1.47E-08	Strip1
ENSMUSG00000054509.7	149.2127114	-1.945399787	3.48E-09	1.48E-08	Parp4
ENSMUSG00000098206.1	50.0099946	2.178032142	3.50E-09	1.49E-08	RP23-44N5.6
ENSMUSG00000103164.1	44.95973434	-2.162965546	3.50E-09	1.49E-08	RP23-456B9.24
ENSMUSG00000071748.2	1531.525036	-1.036090842	3.50E-09	1.49E-08	RP23-149C7.4
ENSMUSG00000095490.1	26.78741398	3.677001125	3.51E-09	1.49E-08	RP24-376M8.2
ENSMUSG00000109231.1	56.51645313	-2.126056964	3.52E-09	1.50E-08	RP23-323L3.1
ENSMUSG00000052833.9	11858.96567	-0.776515675	3.54E-09	1.50E-08	Sae1
ENSMUSG00000059429.3	20.60457318	-5.045188902	3.54E-09	1.50E-08	Olfir365
ENSMUSG00000014763.8	1346.691774	1.310100723	3.58E-09	1.52E-08	Fam120b
ENSMUSG00000037940.17	25.20253541	4.52957306	3.58E-09	1.52E-08	Inpp4b
ENSMUSG00000032913.13	1904.662573	1.274433791	3.58E-09	1.52E-08	Lrig2
ENSMUSG00000109489.1	218.1244721	-1.724406626	3.58E-09	1.52E-08	RP24-137M22.2
ENSMUSG00000038192.5	16.08280273	-7.552612293	3.58E-09	1.52E-08	Cer1
ENSMUSG00000021636.15	233.446343	-2.793528961	3.58E-09	1.52E-08	Marveld2
ENSMUSG00000022075.7	1400.855896	1.421641751	3.59E-09	1.52E-08	Rhobtb2
ENSMUSG00000039195.4	620.0773544	2.031720574	3.59E-09	1.52E-08	RP23-161B9.10
ENSMUSG00000091725.8	30.19001009	7.317535029	3.60E-09	1.52E-08	RP23-455F6.1
ENSMUSG00000020805.14	63.08809862	2.004699447	3.62E-09	1.53E-08	Slc13a5
ENSMUSG00000025420.13	205.0223186	1.162180561	3.62E-09	1.53E-08	Katnal2
ENSMUSG00000079531.1	46.91827823	2.445609207	3.62E-09	1.53E-08	RP23-459K15.9
ENSMUSG00000033287.16	1522.490772	0.809722927	3.63E-09	1.53E-08	Kctd17
ENSMUSG00000040268.17	6351.783602	-1.543795358	3.64E-09	1.54E-08	Plekha1
ENSMUSG00000083220.1	2213.291878	-0.673094391	3.64E-09	1.54E-08	RP23-144K18.4
ENSMUSG00000026644.7	27.7397046	2.799925917	3.64E-09	1.54E-08	Acbd7
ENSMUSG00000030759.16	4173.463247	-1.032298884	3.67E-09	1.55E-08	Far1
ENSMUSG00000043079.17	43.50328648	2.568786021	3.68E-09	1.56E-08	Synpo
ENSMUSG00000073805.5	31.20327866	6.47343492	3.69E-09	1.56E-08	Fam196a
ENSMUSG00000095690.1	1192.216279	1.192461623	3.73E-09	1.58E-08	Rab11b-ps2
ENSMUSG00000085939.3	2438.927014	1.482907539	3.74E-09	1.58E-08	Cd63-ps
ENSMUSG00000091083.4	913.7342212	-1.907293889	3.76E-09	1.59E-08	RP23-320N24.1
ENSMUSG00000097251.2	21.4864993	3.852616934	3.77E-09	1.59E-08	RP23-45A13.2
ENSMUSG00000032572.9	72.63986644	-1.708034237	3.79E-09	1.60E-08	Col6a4
ENSMUSG00000002633.4	32.81875121	6.536031838	3.80E-09	1.61E-08	Shh
ENSMUSG00000020309.6	251.7959556	1.469465269	3.80E-09	1.61E-08	Chac2
ENSMUSG00000030143.7	16.63149606	-7.602974792	3.82E-09	1.61E-08	RP23-9G21.1
ENSMUSG00000067847.13	1452.668631	2.418277171	3.83E-09	1.62E-08	Romo1
ENSMUSG00000041120.6	352.7656489	1.131842064	3.83E-09	1.62E-08	Nbl1
ENSMUSG00000030930.14	861.3883218	-1.47320547	3.85E-09	1.63E-08	Chst15
ENSMUSG00000087056.1	31.34631884	6.466166218	3.87E-09	1.63E-08	RP23-300D11.1
ENSMUSG00000105366.1	29.1193644	2.798667438	3.87E-09	1.63E-08	RP23-192D21.1
ENSMUSG00000036737.12	3955.635174	-0.999626529	3.90E-09	1.64E-08	Oxsr1
ENSMUSG00000063052.9	2428.288589	-0.893471549	3.91E-09	1.65E-08	Lrrc40
ENSMUSG00000044707.7	785.7325518	0.792562084	3.91E-09	1.65E-08	Ccnjl
ENSMUSG00000104864.1	138.6931529	2.104845525	3.91E-09	1.65E-08	RP24-209L5.1
ENSMUSG00000050914.16	142.6171017	-1.504975901	3.92E-09	1.65E-08	Ankrd37
ENSMUSG00000031220.14	32.63296946	-3.019089169	3.93E-09	1.66E-08	Awat2
ENSMUSG00000110382.1	16.45572227	-7.585392033	3.93E-09	1.66E-08	RP24-531B24.1
ENSMUSG00000090000.1	2303.451665	1.393202814	3.93E-09	1.66E-08	Ier3ip1
ENSMUSG00000101814.1	86.66484548	2.189124558	3.97E-09	1.67E-08	RP24-281B5.1
ENSMUSG00000050017.11	4279.158711	-0.849140094	3.98E-09	1.68E-08	Pitpnb
ENSMUSG00000058173.12	271.7680025	-1.889643454	3.99E-09	1.68E-08	Smco4
ENSMUSG00000021835.15	265.0332821	1.283813625	4.00E-09	1.68E-08	Bmp4
ENSMUSG00000102548.1	17.26618962	7.486822042	4.02E-09	1.69E-08	RP24-192L21.1
ENSMUSG00000037379.7	24.47941869	3.699060962	4.04E-09	1.70E-08	Spon2
ENSMUSG00000029131.14	5836.057194	1.154728204	4.04E-09	1.70E-08	Dnajb6
ENSMUSG00000083041.2	107.352375	-3.089860621	4.08E-09	1.72E-08	RP23-175C13.1
ENSMUSG00000103088.1	250.1643117	2.915230621	4.08E-09	1.72E-08	Pcdhgb6

ENSMUSG00000104965.1	72.42465759	2.389365641	4.11E-09	1.73E-08	RP23-132D7.2
ENSMUSG00000028967.10	647.0281992	0.957666183	4.12E-09	1.74E-08	Errf1
ENSMUSG00000090622.1	44.62191269	2.484689915	4.13E-09	1.74E-08	RP23-281E24.2
ENSMUSG000000060550.15	198.6117045	-1.079216231	4.14E-09	1.74E-08	H2-Q7
ENSMUSG00000024246.8	319.7504457	-1.080802065	4.14E-09	1.74E-08	Thumpd2
ENSMUSG00000046618.7	37.62141374	-2.877950953	4.16E-09	1.75E-08	Olfml2a
ENSMUSG00000001138.13	1440.031611	-1.180431683	4.17E-09	1.75E-08	Cnmn3
ENSMUSG00000113031.1	55.60126517	4.43511886	4.17E-09	1.75E-08	RP23-182N12.5
ENSMUSG00000068267.5	2750.600352	0.860817031	4.20E-09	1.77E-08	Cenpb
ENSMUSG00000019900.19	198.8729296	-6.987056353	4.23E-09	1.78E-08	Rfx6
ENSMUSG00000037108.13	245.3949166	1.048107519	4.23E-09	1.78E-08	Zcwpw1
ENSMUSG000000028354.13	438.4189264	2.299575783	4.23E-09	1.78E-08	Fmn2
ENSMUSG00000036257.15	2313.813471	1.029566268	4.24E-09	1.78E-08	Pnpla8
ENSMUSG00000097587.2	32.46511334	3.433731916	4.24E-09	1.78E-08	RP23-77H12.1
ENSMUSG00000110692.1	21.8248847	-5.543550197	4.26E-09	1.79E-08	RP24-257F22.3
ENSMUSG00000024811.11	16928.47072	-1.203660016	4.29E-09	1.80E-08	Tnks2
ENSMUSG00000030523.18	30.18012038	7.316333062	4.29E-09	1.80E-08	Trpm1
ENSMUSG00000090952.2	101.1836075	1.673149607	4.29E-09	1.80E-08	RP23-27D5.2
ENSMUSG00000085773.3	34.33315795	-2.481004763	4.32E-09	1.81E-08	AC115855.2
ENSMUSG00000055150.15	63.84076779	1.958971707	4.34E-09	1.82E-08	Zfp78
ENSMUSG00000055897.13	956.4644675	0.730450223	4.39E-09	1.84E-08	Ppp4r1l-ps
ENSMUSG00000104852.1	39.04218591	3.494709667	4.43E-09	1.86E-08	RP23-7E4.3
ENSMUSG00000018654.17	52.7177287	-2.099476664	4.44E-09	1.86E-08	Ikzf1
ENSMUSG00000036438.12	22274.00318	1.093765018	4.44E-09	1.86E-08	Calm2
ENSMUSG00000068270.15	565.0581916	-2.575391684	4.48E-09	1.88E-08	Shroom4
ENSMUSG00000020792.15	2113.297164	0.959237214	4.49E-09	1.88E-08	Exoc7
ENSMUSG0000009123.1	56.39256924	2.651921315	4.51E-09	1.89E-08	Gm6297
ENSMUSG00000032652.13	255.3413855	1.448999813	4.53E-09	1.90E-08	Crebl2
ENSMUSG00000044927.6	1007.345842	1.831426257	4.55E-09	1.91E-08	H1fx
ENSMUSG00000039670.2	131.9085009	1.892529378	4.56E-09	1.91E-08	Oxid1
ENSMUSG00000058186.13	281.7671762	-2.551467223	4.59E-09	1.92E-08	RP23-285N14.6
ENSMUSG00000026616.15	37.35676932	-3.210832001	4.62E-09	1.93E-08	Cr2
ENSMUSG00000031028.14	3349.360801	1.65075731	4.64E-09	1.94E-08	Tub
ENSMUSG00000052368.2	43.80083986	2.315601978	4.64E-09	1.94E-08	RP23-337P24.5
ENSMUSG00000032551.7	507.5555659	1.219756214	4.65E-09	1.95E-08	RP23-438P19.2
ENSMUSG00000025907.14	2247.33355	0.695850053	4.67E-09	1.96E-08	Rb1cc1
ENSMUSG00000092060.4	5494.621037	-1.627151412	4.68E-09	1.96E-08	Bend4
ENSMUSG00000044408.7	2090.81836	1.16608254	4.68E-09	1.96E-08	Sptssa
ENSMUSG00000084927.1	15.80603646	-7.529086527	4.68E-09	1.96E-08	RP24-72P18.2
ENSMUSG00000074283.5	209.1087587	-2.573442416	4.69E-09	1.96E-08	Zfp109
ENSMUSG00000101234.1	24.67145188	-4.300444296	4.70E-09	1.97E-08	RP24-401O6.3
ENSMUSG00000068130.11	356.83062691	-1.611514646	4.70E-09	1.97E-08	Zfp442
ENSMUSG00000106547.1	48.16262825	3.985480881	4.73E-09	1.98E-08	RP23-441I24.5
ENSMUSG00000107385.3	276.9802721	-1.511011363	4.81E-09	2.01E-08	RP24-103L16.5
ENSMUSG00000063317.7	3341.395885	-2.037235097	4.82E-09	2.02E-08	Usp31
ENSMUSG00000027447.6	5494.270481	1.761166832	4.82E-09	2.02E-08	Cst3
ENSMUSG00000032575.16	5776.264778	-1.310332274	4.89E-09	2.05E-08	Manf
ENSMUSG00000024614.6	3495.923624	-0.96322025	4.90E-09	2.05E-08	Tmx3
ENSMUSG00000029375.6	30.10036676	7.3130085	4.91E-09	2.05E-08	Cxcl15
ENSMUSG00000019803.11	31.15160002	5.888322119	4.91E-09	2.05E-08	Nr2e1
ENSMUSG00000105892.1	326.3223243	-2.357207723	4.94E-09	2.06E-08	RP24-174D10.6
ENSMUSG00000024743.15	2795.192281	1.219199536	4.96E-09	2.07E-08	Syt7
ENSMUSG00000064325.4	295.3200854	-1.522797886	4.97E-09	2.08E-08	Hhip
ENSMUSG00000098985.1	2155.83604	-1.324191484	4.99E-09	2.08E-08	RP24-570C10.6
ENSMUSG00000033953.10	8648.009224	0.676973619	5.01E-09	2.09E-08	Ppp3r1
ENSMUSG00000040565.7	4257.591515	-2.351102136	5.01E-09	2.09E-08	Btaf1
ENSMUSG00000053929.17	3632.66906	0.674787397	5.03E-09	2.10E-08	Cyhr1
ENSMUSG00000025332.14	8838.042277	-2.130050983	5.03E-09	2.10E-08	Kdm5c
ENSMUSG00000100954.4	164.9461181	1.749133163	5.07E-09	2.12E-08	RP24-167M10.2
ENSMUSG00000028873.16	3207.867283	-1.051509074	5.10E-09	2.13E-08	Cdca8
ENSMUSG00000030815.11	1250.923019	1.051108389	5.11E-09	2.13E-08	Phkg2
ENSMUSG00000106995.1	24.45924375	5.505377313	5.12E-09	2.14E-08	RP24-95M11.1
ENSMUSG00000030674.5	258.1767107	-1.539545429	5.16E-09	2.15E-08	Qprt
ENSMUSG00000111685.1	28.78486888	6.348410715	5.17E-09	2.15E-08	RP23-162P10.7
ENSMUSG00000063320.11	165.3055878	-1.223026164	5.17E-09	2.15E-08	RP23-462F3.3
ENSMUSG00000044197.8	21.57025953	4.305502633	5.20E-09	2.17E-08	Gpr146
ENSMUSG00000070425.13	26.22888748	3.27190605	5.23E-09	2.18E-08	Xntrpc
ENSMUSG00000078875.10	1142.748266	-0.973697737	5.24E-09	2.19E-08	RP23-90C6.3
ENSMUSG00000002341.8	3612.092293	1.560331782	5.25E-09	2.19E-08	Ncan
ENSMUSG00000039814.15	419.6912312	-1.361918195	5.26E-09	2.19E-08	Xkr5
ENSMUSG00000087095.2	19.72209149	7.68248749	5.27E-09	2.20E-08	Emx2os
ENSMUSG00000085511.1	19.73379629	7.683254113	5.32E-09	2.22E-08	RP23-28C17.1
ENSMUSG00000106248.1	72.40036287	1.597105376	5.34E-09	2.22E-08	RP24-322E13.1
ENSMUSG00000049184.6	469.5808429	1.195808343	5.34E-09	2.22E-08	Purg
ENSMUSG00000109786.1	133.3786285	-1.380116471	5.38E-09	2.24E-08	RP23-212F18.4
ENSMUSG00000027959.14	843.0597647	-0.997397105	5.42E-09	2.25E-08	Sass6
ENSMUSG00000025723.12	70.10638262	1.651043632	5.42E-09	2.26E-08	Nmb
ENSMUSG00000098979.1	29.90007407	3.192915068	5.43E-09	2.26E-08	Gm27544
ENSMUSG00000028464.16	659.5382021	-2.118954415	5.45E-09	2.27E-08	Tpm2
ENSMUSG00000089682.10	789.3253158	1.277220803	5.46E-09	2.27E-08	Bcl2l2
ENSMUSG00000087433.1	44.57765358	2.754251777	5.48E-09	2.28E-08	RP23-419G21.6
ENSMUSG00000029616.9	4585.211522	1.469208281	5.50E-09	2.29E-08	Erp29
ENSMUSG00000092148.1	29.01853438	6.352737341	5.50E-09	2.29E-08	RP24-230H12.1

ENSMUSG00000019464.6	25.86195064	4.336034085	5.51E-09	2.29E-08	Ptger1
ENSMUSG00000081402.4	783.9240629	-0.759482701	5.51E-09	2.29E-08	AC163668.5
ENSMUSG00000049288.4	1030.090857	0.892098397	5.52E-09	2.29E-08	Lix1l
ENSMUSG00000021114.9	3322.913819	1.01804892	5.56E-09	2.31E-08	Atp6v1d
ENSMUSG00000042377.8	105.7462926	-1.80732084	5.56E-09	2.31E-08	Fam83g
ENSMUSG00000041134.15	38.47806279	-2.439605407	5.59E-09	2.32E-08	Cyrr1
ENSMUSG00000027312.14	1972.183934	1.688327501	5.60E-09	2.32E-08	Atrn
ENSMUSG00000106490.1	26.69242096	-7.31323761	5.62E-09	2.34E-08	RP24-48817.2
ENSMUSG00000022365.6	4111.86761	0.739781874	5.64E-09	2.34E-08	Der1l
ENSMUSG00000068457.14	302.944183	-2.089806316	5.64E-09	2.34E-08	Uty
ENSMUSG00000112433.1	22.94444296	5.417101583	5.67E-09	2.35E-08	RP23-380K24.3
ENSMUSG00000026077.15	22.48471889	4.972290638	5.70E-09	2.36E-08	Npas2
ENSMUSG00000021211.4	21.34038041	4.545984774	5.70E-09	2.36E-08	Akr1c12
ENSMUSG00000057315.14	66.06360209	1.703749034	5.70E-09	2.36E-08	Arhgap24
ENSMUSG00000036902.11	1773.41914	1.179910986	5.74E-09	2.38E-08	Neto2
ENSMUSG00000039953.13	13798.22215	1.363109313	5.75E-09	2.38E-08	Clstn1
ENSMUSG00000028099.8	2087.988359	-0.694495688	5.76E-09	2.39E-08	Poir3c
ENSMUSG00000038151.13	40.88782022	-2.369126665	5.76E-09	2.39E-08	Prdm1
ENSMUSG00000048186.14	261.7416242	1.470685989	5.79E-09	2.40E-08	Bend7
ENSMUSG00000085622.9	162.1898727	1.42217439	5.82E-09	2.41E-08	RP24-273K21.3
ENSMUSG00000058816.4	351.2417087	-1.150932274	5.84E-09	2.42E-08	Ppp1r2-ps3
ENSMUSG00000030516.14	4782.84004	-2.199670866	5.84E-09	2.42E-08	Tjp1
ENSMUSG00000074872.2	25.59008989	8.046964915	5.85E-09	2.42E-08	Ctxn2
ENSMUSG00000040940.18	1308.693008	-1.531078929	5.85E-09	2.42E-08	Arhgef1
ENSMUSG00000019857.7	1500.938091	-0.746887077	5.91E-09	2.45E-08	Asf1a
ENSMUSG00000031858.16	3324.474894	0.616491376	5.91E-09	2.45E-08	Mau2
ENSMUSG00000072066.7	459.1022698	-0.943824	5.91E-09	2.45E-08	RP23-26N21.1
ENSMUSG00000021396.5	39.25494115	3.685880799	5.94E-09	2.46E-08	Nxn12
ENSMUSG00000031819.13	3038.492633	-0.704189607	5.95E-09	2.46E-08	Emc8
ENSMUSG00000052372.10	27.83443633	3.363485572	5.95E-09	2.46E-08	Il1rap1l
ENSMUSG00000081664.1	128.2575451	-1.29501546	5.98E-09	2.48E-08	AC136740.1
ENSMUSG00000021044.15	547.9095361	1.005084338	6.03E-09	2.50E-08	Adck1
ENSMUSG00000006728.12	12303.03068	-0.864349159	6.04E-09	2.50E-08	Cdk4
ENSMUSG00000032815.16	1171.897649	-1.90312543	6.07E-09	2.51E-08	Fanca
ENSMUSG00000029601.13	24.05079696	3.663452129	6.10E-09	2.52E-08	lqcd
ENSMUSG00000090115.7	510.1802565	1.745105961	6.11E-09	2.52E-08	Usp49
ENSMUSG00000034601.17	998.4650097	-1.374763173	6.12E-09	2.53E-08	RP24-354K18.1
ENSMUSG00000075324.13	642.7157235	-0.750063983	6.15E-09	2.54E-08	Fign
ENSMUSG00000011884.13	938.565155	-1.090969836	6.27E-09	2.59E-08	Gltp
ENSMUSG00000046062.5	5474.223181	-1.223945538	6.31E-09	2.61E-08	Ppp1r15b
ENSMUSG00000042453.14	910.0991828	2.153544501	6.43E-09	2.66E-08	Rein
ENSMUSG00000001870.15	646.2322421	-1.121422753	6.43E-09	2.66E-08	Ltbp1
ENSMUSG00000025730.14	1241.837959	0.830499987	6.45E-09	2.66E-08	Rab40c
ENSMUSG00000029020.13	3856.270207	1.046115656	6.46E-09	2.67E-08	Mfn2
ENSMUSG00000044442.11	554.049551	1.055301473	6.48E-09	2.68E-08	N6amt1
ENSMUSG00000013418.8	23.87752459	3.676371659	6.51E-09	2.69E-08	B4galnt2
ENSMUSG00000081648.1	35.93649984	3.211225362	6.51E-09	2.69E-08	RP23-54E16.1
ENSMUSG00000038500.15	1379.011768	1.00263407	6.53E-09	2.70E-08	Prr3
ENSMUSG00000100309.1	4071.002686	-0.955699799	6.54E-09	2.70E-08	RP23-453N3.5
ENSMUSG00000034640.9	1612.887243	-1.060928302	6.64E-09	2.74E-08	Tiparp
ENSMUSG00000018678.13	750.8873739	-1.536937947	6.65E-09	2.74E-08	Sp2
ENSMUSG00000114561.1	15.44544168	-7.493400701	6.73E-09	2.78E-08	RP23-277C14.2
ENSMUSG00000054836.12	958.8672761	1.445378346	6.76E-09	2.79E-08	Elp6
ENSMUSG00000070348.5	2589.470458	-0.688018786	6.80E-09	2.80E-08	Ccnd1
ENSMUSG00000090841.2	10135.73222	2.122847198	6.82E-09	2.81E-08	Myl6
ENSMUSG00000038685.18	2130.21949	-1.448671149	6.85E-09	2.82E-08	Rtel1
ENSMUSG00000036185.9	49.84228414	-1.826833767	6.88E-09	2.84E-08	Sapcd1
ENSMUSG00000025278.9	5123.198113	-2.308192134	6.89E-09	2.84E-08	Flnb
ENSMUSG00000064358.1	145358.0846	0.772932946	6.90E-09	2.84E-08	mt-Co3
ENSMUSG00000031939.16	6280.504753	-1.441051031	6.90E-09	2.84E-08	Taf1d
ENSMUSG00000020722.5	16.30022875	7.400178951	6.91E-09	2.85E-08	Cacng1
ENSMUSG00000029780.14	1587.993756	0.925287544	6.91E-09	2.85E-08	Nt5c3
ENSMUSG00000097794.2	26.61026231	3.833128632	6.93E-09	2.85E-08	RP24-84D8.10
ENSMUSG00000097657.2	1362.497018	-2.42998993	6.93E-09	2.85E-08	RP24-215A14.2
ENSMUSG00000078452.10	333.1605669	-0.931807646	6.98E-09	2.87E-08	Raet1d
ENSMUSG00000020124.10	4132.677018	-1.323263977	6.98E-09	2.87E-08	Usp15
ENSMUSG00000116594.1	55.50211405	2.812411916	7.01E-09	2.88E-08	RP23-432E14.7
ENSMUSG00000024019.17	365.6966101	1.3000422	7.05E-09	2.90E-08	Cmtr1
ENSMUSG00000078607.5	63.82542249	1.788159681	7.05E-09	2.90E-08	RP23-317F9.2
ENSMUSG00000022867.10	1218.892925	-1.376436261	7.06E-09	2.90E-08	Usp25
ENSMUSG00000037010.7	251.4229076	-1.081770173	7.08E-09	2.91E-08	Apln
ENSMUSG00000081816.1	140.0088964	-1.785258673	7.13E-09	2.93E-08	RP23-147P2.2
ENSMUSG00000103546.1	37.39594692	3.748108575	7.15E-09	2.94E-08	RP23-412L18.5
ENSMUSG00000021209.12	292.6290812	-1.199622725	7.21E-09	2.96E-08	Ppp4r4
ENSMUSG00000080076.4	117.8008379	-2.895323299	7.22E-09	2.97E-08	Hist1h2aj
ENSMUSG00000008730.17	5074.012214	-1.402092183	7.25E-09	2.98E-08	Hipk1
ENSMUSG00000024767.11	4152.659777	1.27991132	7.30E-09	3.00E-08	Otub1
ENSMUSG00000028191.11	956.5483422	-0.862093741	7.33E-09	3.01E-08	Bcl10
ENSMUSG00000105139.1	23.85036945	3.369541566	7.44E-09	3.05E-08	RP23-288B16.4
ENSMUSG00000084013.1	1903.152592	-0.927259662	7.45E-09	3.06E-08	RP23-321B23.2
ENSMUSG00000018042.18	4389.03321	0.634798931	7.45E-09	3.06E-08	Cyb5r3
ENSMUSG00000032899.14	47.58294493	2.263360538	7.47E-09	3.07E-08	Styk1
ENSMUSG0000005078.16	2650.217809	1.279611742	7.52E-09	3.09E-08	Jkamp

ENSMUSG00000010066.15	699.3496235	2.42387617	7.55E-09	3.10E-08	Cacna2d2
ENSMUSG00000051517.14	325.5393413	-1.032182789	7.62E-09	3.12E-08	Arhgef39
ENSMUSG00000094257.2	622.4471081	1.010896771	7.66E-09	3.14E-08	RP24-263E2.6
ENSMUSG00000073236.4	157.7992601	1.545121869	7.71E-09	3.16E-08	RP23-192G18.7
ENSMUSG00000022311.15	32.45329856	3.326069651	7.73E-09	3.17E-08	Csmd3
ENSMUSG00000068959.6	207.3571512	1.840707201	7.75E-09	3.18E-08	Zfp619
ENSMUSG00000036782.13	1335.435926	1.221602634	7.80E-09	3.20E-08	Klhl13
ENSMUSG00000109645.1	436.575013	-1.145287992	7.80E-09	3.20E-08	RP24-229E19.1
ENSMUSG00000043542.12	1490.466826	1.122333241	7.83E-09	3.21E-08	Zc2hc1a
ENSMUSG00000113810.1	29.32301183	5.790125187	7.86E-09	3.22E-08	RP24-491A6.2
ENSMUSG00000022885.16	1705.909331	1.012308976	7.91E-09	3.24E-08	Slc6gal1
ENSMUSG00000024120.12	5499.85431	-0.940985047	7.91E-09	3.24E-08	Lrpprc
ENSMUSG00000048007.4	4522.983777	-1.38169252	7.95E-09	3.26E-08	Timm8a1
ENSMUSG00000066704.6	21.22774019	-5.496645129	7.95E-09	3.26E-08	Cyp2b19
ENSMUSG000000083764.1	274.0103862	-1.137849662	7.97E-09	3.26E-08	RP23-219D8.2
ENSMUSG00000104178.1	16.83824149	7.448555684	8.01E-09	3.28E-08	RP23-14P23.3
ENSMUSG00000070576.4	903.5825358	1.650822975	8.10E-09	3.32E-08	Mn1
ENSMUSG00000059447.13	1427.574625	0.900591525	8.10E-09	3.32E-08	Hadhb
ENSMUSG00000083734.1	1243.133519	-1.058394087	8.14E-09	3.33E-08	AC123868.4
ENSMUSG00000029465.14	3746.597835	1.465831173	8.16E-09	3.34E-08	Arpc3
ENSMUSG00000001065.15	635.7840014	1.096688373	8.21E-09	3.36E-08	Zfp276
ENSMUSG00000029416.17	1090.3174733	-0.844355416	8.21E-09	3.36E-08	Slc15a4
ENSMUSG000000085386.1	32.28687854	-3.366548115	8.24E-09	3.37E-08	RP23-397A11.1
ENSMUSG00000039391.11	16.23051262	7.396909103	8.26E-09	3.38E-08	Ccdc81
ENSMUSG00000100594.1	45.10328054	2.198039028	8.33E-09	3.41E-08	RP23-370J16.1
ENSMUSG00000030895.9	21.96103383	4.91747561	8.34E-09	3.41E-08	Hpx
ENSMUSG000000084128.10	42.33393117	-2.780384454	8.35E-09	3.41E-08	Esrp2
ENSMUSG00000022159.16	1106.158008	1.313375981	8.46E-09	3.46E-08	Rab2b
ENSMUSG00000035441.14	137.2610383	-1.932327103	8.50E-09	3.47E-08	Myo1d
ENSMUSG00000021684.17	87.76681585	-1.966651541	8.51E-09	3.48E-08	Pde8b
ENSMUSG00000032997.16	2375.097421	0.806079889	8.51E-09	3.48E-08	Chpf
ENSMUSG00000030083.11	615.5959561	0.926716918	8.52E-09	3.48E-08	Abtb1
ENSMUSG00000042447.13	1355.733481	-1.023500046	8.55E-09	3.49E-08	Mios
ENSMUSG00000032897.17	1632.972554	-0.858464573	8.72E-09	3.56E-08	Nfyc
ENSMUSG00000103309.1	22.85195909	5.413752229	8.72E-09	3.56E-08	RP23-407E2.27
ENSMUSG00000037447.16	80.29209082	1.776309095	8.77E-09	3.58E-08	Arid5a
ENSMUSG00000051111.16	237.4766784	3.338532697	8.77E-09	3.58E-08	Sv2c
ENSMUSG00000101111.1	146741.0269	0.780115521	8.80E-09	3.59E-08	RP23-8J15.4
ENSMUSG00000041775.7	623.2136655	1.059899475	8.85E-09	3.61E-08	Mapk1ip1
ENSMUSG00000033083.16	296.6720576	-1.243178567	8.88E-09	3.62E-08	Tbc1d4
ENSMUSG00000021482.10	437.3259647	-0.848224935	8.89E-09	3.63E-08	Aaed1
ENSMUSG00000097050.1	15.18720948	-7.470353464	8.97E-09	3.66E-08	RP23-263M4.3
ENSMUSG00000021413.9	6974.49392	-1.002065423	9.02E-09	3.68E-08	Prpf4b
ENSMUSG00000051185.9	553.2345267	0.91038493	9.05E-09	3.69E-08	Fam174a
ENSMUSG0000002052.6	12496.77065	-1.319463448	9.08E-09	3.70E-08	Supt6
ENSMUSG00000048078.16	3207.266594	1.666040574	9.09E-09	3.70E-08	Tenm4
ENSMUSG00000036606.17	5044.677467	-1.124066396	9.11E-09	3.71E-08	Plxnb2
ENSMUSG00000001128.7	224.4411934	1.113661461	9.11E-09	3.71E-08	Cfp
ENSMUSG00000034254.17	3489.210898	0.602579608	9.12E-09	3.71E-08	Agpat1
ENSMUSG00000084259.1	63.5716809	-2.431717298	9.19E-09	3.74E-08	RP23-93O11.3
ENSMUSG00000115546.1	22.91515902	4.658949223	9.20E-09	3.75E-08	RP23-262K24.2
ENSMUSG00000104282.1	17.41674824	7.492697251	9.22E-09	3.75E-08	RP24-364K10.3
ENSMUSG00000091952.3	8095.18435	-0.843419373	9.23E-09	3.76E-08	RP23-428C21.2
ENSMUSG00000081721.3	66.07063104	-1.911225571	9.25E-09	3.77E-08	RP23-180P4.1
ENSMUSG00000050989.9	2518.640571	1.166252882	9.28E-09	3.78E-08	Sepn1
ENSMUSG00000075511.9	27.52634085	4.418045154	9.31E-09	3.79E-08	RP24-375H14.1
ENSMUSG00000061288.13	744.6189306	-0.794853527	9.36E-09	3.81E-08	Taok3
ENSMUSG00000082718.1	1579.025697	-0.866321238	9.40E-09	3.83E-08	RP23-408E16.2
ENSMUSG00000032399.8	46591.98311	-1.089052719	9.44E-09	3.84E-08	Rpl4
ENSMUSG00000091408.3	197.3819898	1.196591396	9.45E-09	3.85E-08	RP23-100O17.1
ENSMUSG00000033105.12	3460.915965	-1.707942919	9.46E-09	3.85E-08	Lss
ENSMUSG00000064437.1	44.43753752	-2.308718617	9.48E-09	3.86E-08	Snord49b
ENSMUSG00000021930.14	999.9093691	0.79788123	9.60E-09	3.90E-08	Spryd7
ENSMUSG00000027495.4	522.1781406	0.935716321	9.81E-09	3.99E-08	Fam210b
ENSMUSG00000043913.14	25.38622577	3.11141096	9.84E-09	4.00E-08	Ccdc60
ENSMUSG00000029911.14	2133.966111	-0.863196678	9.90E-09	4.02E-08	Ssbp1
ENSMUSG00000116780.1	59.17254545	2.231137415	9.94E-09	4.04E-08	RP23-464D14.8
ENSMUSG00000100075.1	22.9623193	5.409040049	9.95E-09	4.04E-08	RP23-18G1.2
ENSMUSG00000112105.1	3418.165187	-0.872251423	1.00E-08	4.07E-08	RP23-36K2.5
ENSMUSG00000090334.1	213.7836422	1.018244035	1.00E-08	4.07E-08	RP23-77G15.3
ENSMUSG00000106988.1	1571.946416	0.723299976	1.01E-08	4.10E-08	Tsg101-ps
ENSMUSG00000036196.15	26.03956504	3.383399757	1.02E-08	4.14E-08	Slc26a8
ENSMUSG00000116506.1	32.73214007	2.970172782	1.02E-08	4.14E-08	RP23-278C10.8
ENSMUSG00000038871.5	1666.427681	0.740082205	1.02E-08	4.14E-08	Bpgm
ENSMUSG00000022184.8	111.9205187	1.858405033	1.02E-08	4.15E-08	Fbxo4
ENSMUSG00000027340.15	4777.206048	-1.88646937	1.03E-08	4.19E-08	Slc23a2
ENSMUSG00000032340.8	5615.551226	1.804292701	1.03E-08	4.19E-08	Neo1
ENSMUSG00000070106.1	30.68387536	-3.861871365	1.03E-08	4.19E-08	Mir363
ENSMUSG00000028809.16	10341.9493	-1.429895412	1.04E-08	4.21E-08	Srrm1
ENSMUSG00000067199.4	352.9858908	1.097709873	1.05E-08	4.27E-08	Frat1
ENSMUSG00000031371.14	1666.232289	1.350664315	1.06E-08	4.29E-08	Haus7
ENSMUSG00000054013.6	35.32900104	3.54746461	1.06E-08	4.30E-08	Tmem179
ENSMUSG00000082307.3	92.77284399	-1.880235686	1.06E-08	4.31E-08	RP23-264D16.2

ENSMUSG00000039765.15	462.2710928	-1.304757291	1.07E-08	4.32E-08	Cc2d2a
ENSMUSG00000028640.11	224.3829077	1.039389915	1.07E-08	4.33E-08	Tfap2c
ENSMUSG00000016757.11	2737.691931	-0.681582318	1.07E-08	4.35E-08	Tll12
ENSMUSG00000056031.13	25.46504862	3.250026638	1.07E-08	4.35E-08	RP24-511A23.2
ENSMUSG00000054708.17	308.5502343	1.63169174	1.08E-08	4.36E-08	Ankrd24
ENSMUSG00000022906.15	207.4981124	-1.09807185	1.09E-08	4.41E-08	Parp9
ENSMUSG00000049657.9	1091.600777	1.412410817	1.09E-08	4.43E-08	Zbtb5
ENSMUSG00000032420.8	38.6680218	-2.357180416	1.09E-08	4.43E-08	Nt5e
ENSMUSG00000050608.11	6202.775916	1.858311646	1.09E-08	4.43E-08	Minos1
ENSMUSG00000048878.6	1515.808555	-0.665540401	1.10E-08	4.44E-08	Hexim1
ENSMUSG000000114605.1	22.07116428	4.102662473	1.10E-08	4.45E-08	RP23-471B6.6
ENSMUSG00000036412.5	49.9679471	2.030152675	1.10E-08	4.46E-08	Arsi
ENSMUSG000000104802.1	24926.72945	-0.77356682	1.10E-08	4.46E-08	RP23-59B8.2
ENSMUSG00000082512.1	22.39419603	-3.011128816	1.10E-08	4.46E-08	RP23-300M9.3
ENSMUSG00000029370.10	18.65498707	-4.565646255	1.11E-08	4.47E-08	Rassf6
ENSMUSG00000032548.14	23.92909364	3.023040886	1.11E-08	4.48E-08	Apod
ENSMUSG00000020530.14	5470.852227	1.148894114	1.11E-08	4.48E-08	Ggnbp2
ENSMUSG000000106944.1	34.03643068	3.46588815	1.11E-08	4.48E-08	RP23-16J8.6
ENSMUSG00000052298.12	4502.347613	1.039529533	1.11E-08	4.49E-08	Cdc42se2
ENSMUSG00000092203.7	2064.391511	-1.289021603	1.11E-08	4.50E-08	RP23-349B4.7
ENSMUSG00000017721.15	7402.771608	0.729978611	1.12E-08	4.51E-08	Pigt
ENSMUSG00000005068.15	12205.10727	-1.113124442	1.12E-08	4.54E-08	Hnmpd
ENSMUSG00000054901.7	31.7516101	4.449529252	1.13E-08	4.55E-08	Arhgef33
ENSMUSG00000092142.1	22.37109599	3.711586207	1.13E-08	4.55E-08	RP23-473B17.3
ENSMUSG00000031065.14	3405.202687	0.799633929	1.14E-08	4.59E-08	Cdk16
ENSMUSG00000026429.9	645.2896039	-1.48059172	1.14E-08	4.60E-08	Ube2t
ENSMUSG000000071414.5	3536.551091	-0.925479505	1.14E-08	4.60E-08	RP24-85L11.2
ENSMUSG00000056735.5	275.8447782	-0.929577905	1.15E-08	4.64E-08	AC121564.2
ENSMUSG00000035234.18	375.093059	-0.914008005	1.15E-08	4.65E-08	Fam175a
ENSMUSG00000028681.11	455.9830065	-1.692699264	1.16E-08	4.68E-08	Ptch2
ENSMUSG00000018209.15	3359.655099	-1.27613393	1.16E-08	4.68E-08	Stk4
ENSMUSG00000024565.8	914.0850167	1.027158342	1.16E-08	4.69E-08	Sall3
ENSMUSG00000085881.2	23.31101143	3.221677726	1.18E-08	4.76E-08	RP23-20A5.3
ENSMUSG00000024924.14	1378.972434	1.473414132	1.18E-08	4.76E-08	Vldlr
ENSMUSG00000022554.7	1212.045925	-1.156975015	1.19E-08	4.78E-08	Hgh1
ENSMUSG00000003206.6	47.31901436	3.005257728	1.19E-08	4.78E-08	Ebi3
ENSMUSG00000007721.6	3180.989863	-1.746857739	1.19E-08	4.81E-08	Ccdc124
ENSMUSG00000034442.11	752.1243349	-0.773413055	1.20E-08	4.83E-08	Trmt5
ENSMUSG00000032180.11	1339.723098	-1.554914516	1.20E-08	4.84E-08	Tmed1
ENSMUSG00000030835.6	6722.426487	-1.192791646	1.20E-08	4.84E-08	Nomo1
ENSMUSG00000017760.16	2622.168062	0.664870762	1.20E-08	4.85E-08	Ctsa
ENSMUSG00000020520.14	1198.40165	-0.841902948	1.20E-08	4.85E-08	Galnt10
ENSMUSG00000022833.7	747.4258455	-1.162357143	1.21E-08	4.85E-08	Ccdc14
ENSMUSG00000030232.18	4492.791617	-1.131205792	1.21E-08	4.86E-08	Aebp2
ENSMUSG00000039754.10	491.3038339	0.880813466	1.21E-08	4.87E-08	Alkbh4
ENSMUSG000000109868.1	18.03611619	7.542735595	1.22E-08	4.91E-08	RP23-143B2.1
ENSMUSG00000027698.14	715.8598772	-0.852583141	1.22E-08	4.91E-08	Nceh1
ENSMUSG00000075703.15	4551.890956	-1.228129774	1.22E-08	4.91E-08	Ept1
ENSMUSG00000026475.7	292.2304129	-1.262677066	1.23E-08	4.95E-08	Rgs16
ENSMUSG00000086425.7	18.29112153	7.571680583	1.23E-08	4.96E-08	RP23-475B13.3
ENSMUSG00000028843.8	2231.200372	1.615070979	1.23E-08	4.96E-08	Sh3bgrl3
ENSMUSG00000035681.7	170.0470833	1.881269773	1.24E-08	4.98E-08	Kcnc2
ENSMUSG00000022338.8	2955.887978	0.70634867	1.25E-08	5.02E-08	Eny2
ENSMUSG00000074269.10	27.64839658	7.18878446	1.25E-08	5.03E-08	Rec114
ENSMUSG00000039483.10	1082.118999	-0.875345113	1.25E-08	5.04E-08	Asb6
ENSMUSG000000113527.1	34.05781345	3.819628495	1.28E-08	5.14E-08	RP23-38P6.1
ENSMUSG00000096233.1	53.94355196	-3.160825923	1.29E-08	5.19E-08	RP23-395N7.6
ENSMUSG00000025507.13	394.6874563	-1.934242878	1.30E-08	5.21E-08	Pidd1
ENSMUSG00000022206.7	447.7350333	-1.559469837	1.30E-08	5.23E-08	Npr3
ENSMUSG00000038990.14	1053.57084	0.975262919	1.30E-08	5.23E-08	Cables2
ENSMUSG00000010005.7	15.737504	7.352728544	1.30E-08	5.24E-08	RP24-240G4.2
ENSMUSG00000097482.2	28.6340943	4.484916793	1.31E-08	5.24E-08	RP23-223I5.1
ENSMUSG00000033389.16	862.341365	1.152578225	1.32E-08	5.29E-08	Arhgap44
ENSMUSG00000057948.12	48.62812939	2.231129448	1.32E-08	5.32E-08	Unc13d
ENSMUSG00000035051.14	2120.228344	1.38104499	1.33E-08	5.35E-08	Dhx57
ENSMUSG00000027344.14	106.5314608	2.041476879	1.34E-08	5.37E-08	Fsip1
ENSMUSG00000033177.13	21.9769662	5.358550809	1.34E-08	5.38E-08	Tmprss7
ENSMUSG000000103532.1	38.53385898	3.604259396	1.34E-08	5.38E-08	RP23-160G19.9
ENSMUSG00000030314.16	611.6717271	0.868727749	1.34E-08	5.38E-08	Atg7
ENSMUSG00000025790.14	579.0682473	1.077884616	1.34E-08	5.38E-08	Slco3a1
ENSMUSG00000015027.11	423.8141642	0.983689873	1.35E-08	5.41E-08	Galns
ENSMUSG00000020585.4	7396.168802	0.595622786	1.35E-08	5.41E-08	Laptn4a
ENSMUSG000000116735.1	35.02344492	7.531716613	1.35E-08	5.41E-08	RP23-452N11.3
ENSMUSG00000031921.17	1700.522644	0.715696387	1.35E-08	5.41E-08	Terf2
ENSMUSG00000002365.10	559.582693	-0.954051367	1.35E-08	5.43E-08	Snx9
ENSMUSG00000037148.8	469.5161439	-0.844121149	1.35E-08	5.43E-08	Arhgap10
ENSMUSG00000025762.14	468.6056919	-0.998495543	1.36E-08	5.44E-08	Larp1b
ENSMUSG00000079737.4	425.3736005	-1.035238258	1.36E-08	5.44E-08	RP23-331D17.4
ENSMUSG00000002503.10	1608.907244	-0.824444942	1.36E-08	5.46E-08	Nubp1
ENSMUSG000000112395.1	143.9098599	-1.403267419	1.36E-08	5.47E-08	RP24-370M23.1
ENSMUSG00000030706.17	923.0827989	1.067800843	1.37E-08	5.48E-08	Mrpl48
ENSMUSG00000061882.12	158.2741136	1.792332043	1.37E-08	5.49E-08	Ccdc62
ENSMUSG00000079669.2	28.51131974	7.232044811	1.38E-08	5.51E-08	RP24-337I23.1

ENSMUSG00000106884.1	86.96189071	-1.418776156	1.38E-08	5.53E-08	RP24-188B2.1
ENSMUSG00000038366.15	4490.356694	1.435514619	1.38E-08	5.54E-08	Lasp1
ENSMUSG00000111027.1	944.0657637	-2.188348394	1.39E-08	5.56E-08	RP23-203P12.5
ENSMUSG00000020482.4	2667.481162	-0.949588113	1.39E-08	5.57E-08	Ccdc117
ENSMUSG00000003346.14	2006.757973	1.096159641	1.40E-08	5.60E-08	Abhd17a
ENSMUSG00000109118.1	61.2130095	3.160281011	1.40E-08	5.61E-08	RP23-218K15.3
ENSMUSG00000024042.6	2017.809654	-1.52920052	1.41E-08	5.63E-08	Sik1
ENSMUSG00000044795.12	754.3578259	-1.494384442	1.42E-08	5.67E-08	Cyb5d1
ENSMUSG00000063975.13	44.03328449	2.596991557	1.42E-08	5.69E-08	Slco1a5
ENSMUSG00000058351.11	391.7277846	1.940400268	1.43E-08	5.70E-08	Smim4
ENSMUSG00000031639.12	83.57411238	-2.029288596	1.43E-08	5.70E-08	Tlr3
ENSMUSG00000062151.13	23.00652842	4.979710178	1.43E-08	5.73E-08	Unc13c
ENSMUSG00000035129.6	1452.997857	0.703125608	1.43E-08	5.73E-08	RP23-78F5.1
ENSMUSG00000047879.16	5297.519002	-0.923118686	1.44E-08	5.74E-08	Usp14
ENSMUSG00000028066.15	1427.831454	-1.621839032	1.46E-08	5.84E-08	Pmf1
ENSMUSG00000019433.9	2164.978897	1.070904421	1.46E-08	5.85E-08	Gipc1
ENSMUSG00000037257.8	2808.521143	0.653811605	1.47E-08	5.86E-08	Aagab
ENSMUSG00000109564.1	20.27849844	-5.44831705	1.47E-08	5.87E-08	Muc16
ENSMUSG00000030917.13	195.1526748	-1.066434488	1.49E-08	5.94E-08	Tmem159
ENSMUSG00000020741.17	4069.954075	-1.131419511	1.49E-08	5.96E-08	Cluh
ENSMUSG00000082330.1	20.4837093	-3.213903797	1.50E-08	5.97E-08	Ldha-ps
ENSMUSG00000029122.11	352.7274541	-1.160346369	1.51E-08	6.05E-08	Evc
ENSMUSG00000031012.17	2998.611391	1.571505766	1.52E-08	6.06E-08	Cask
ENSMUSG00000020542.18	59.48791621	-2.41929103	1.52E-08	6.08E-08	Myocd
ENSMUSG00000000794.9	125.7248232	2.466166289	1.52E-08	6.08E-08	Kcnn3
ENSMUSG00000108218.2	43.07383615	-2.425112588	1.53E-08	6.09E-08	Olfr1372-ps1
ENSMUSG000000045312.12	335.6884857	1.587251047	1.53E-08	6.11E-08	Lhfp12
ENSMUSG00000097559.1	37.28922962	-2.666929114	1.53E-08	6.12E-08	RP23-97O1.2
ENSMUSG00000054408.9	4393.834777	-0.761973473	1.54E-08	6.13E-08	Spcs3
ENSMUSG00000027896.15	21.13217206	4.883710902	1.54E-08	6.15E-08	Slc16a4
ENSMUSG00000027739.9	477.7769213	0.942257161	1.55E-08	6.17E-08	Rab33b
ENSMUSG00000029392.12	654.6517149	-0.808058246	1.56E-08	6.20E-08	Rilpl1
ENSMUSG00000115424.1	28.75515859	6.351419692	1.56E-08	6.22E-08	RP23-67A17.1
ENSMUSG000000083373.1	170.9644468	1.844150648	1.56E-08	6.23E-08	RP23-103D7.2
ENSMUSG000000063902.13	13725.07941	-1.123920396	1.57E-08	6.26E-08	RP23-21B1.2
ENSMUSG00000068696.6	27.30462246	3.740241323	1.57E-08	6.26E-08	Gpr88
ENSMUSG00000023030.16	2188.298012	-0.955717067	1.58E-08	6.29E-08	Slc11a2
ENSMUSG000000021311.9	2032.559316	-1.676718682	1.59E-08	6.31E-08	Mtr
ENSMUSG00000042210.17	496.8377849	-1.24371702	1.59E-08	6.31E-08	Abhd14a
ENSMUSG00000106885.1	326.1570344	-1.039593696	1.59E-08	6.32E-08	Eif3s6-ps4
ENSMUSG00000068922.14	1877.968146	-1.122385067	1.59E-08	6.33E-08	Msto1
ENSMUSG00000090475.1	68.54179007	-1.867060898	1.59E-08	6.34E-08	RP23-233O17.3
ENSMUSG00000039660.16	1603.562268	-0.720695835	1.59E-08	6.34E-08	D2Wsu81e
ENSMUSG00000030043.11	21.87707052	5.349213966	1.60E-08	6.37E-08	Tacr1
ENSMUSG00000046949.16	478.6043412	-1.144752049	1.61E-08	6.40E-08	Nqo2
ENSMUSG00000049230.8	4014.398324	-1.666253363	1.62E-08	6.43E-08	RP24-137C19.1
ENSMUSG00000030450.11	15.24035247	7.309283968	1.62E-08	6.45E-08	Oca2
ENSMUSG00000001687.15	1808.405507	0.707051773	1.62E-08	6.45E-08	Ubl3
ENSMUSG00000115138.1	37.42607939	3.004853463	1.63E-08	6.47E-08	RP24-90K19.1
ENSMUSG00000029098.17	385.0328935	1.285426247	1.63E-08	6.50E-08	Acox3
ENSMUSG00000085300.1	330.1957626	-0.915101402	1.64E-08	6.51E-08	AC127347.2
ENSMUSG00000027086.16	767.1638348	-1.115529677	1.64E-08	6.51E-08	Fastkd1
ENSMUSG00000022912.8	371.8648772	-1.064210871	1.64E-08	6.52E-08	Prosl
ENSMUSG00000105868.1	24.62412819	4.05202751	1.65E-08	6.55E-08	RP24-223119.6
ENSMUSG00000020386.5	3543.661049	0.990913091	1.66E-08	6.58E-08	Sar1b
ENSMUSG00000040850.17	14407.13663	-1.335111274	1.66E-08	6.58E-08	Psme4
ENSMUSG00000024234.6	1307.876096	-0.746987484	1.66E-08	6.59E-08	Mtpap
ENSMUSG00000057594.12	687.1812742	0.832306838	1.67E-08	6.64E-08	Arl16
ENSMUSG00000095105.2	32.03831438	3.098831155	1.69E-08	6.71E-08	Edaradd
ENSMUSG000000021754.17	1514.170955	-1.063643319	1.70E-08	6.74E-08	Map3k1
ENSMUSG00000034560.6	2578.355566	-1.622572291	1.71E-08	6.77E-08	RP23-233B6.2
ENSMUSG00000054976.14	31.19484447	7.373087425	1.73E-08	6.85E-08	Nyap2
ENSMUSG00000029389.17	1343.665669	-0.741770388	1.73E-08	6.87E-08	Ddx55
ENSMUSG00000026566.15	3146.076489	0.727273239	1.74E-08	6.89E-08	Mpz1
ENSMUSG00000035472.14	24.21208368	5.50203492	1.74E-08	6.89E-08	Slc25a21
ENSMUSG00000034063.8	92.88570225	2.320543464	1.74E-08	6.92E-08	RP24-191L21.3
ENSMUSG00000030091.17	6026.919177	-1.412847484	1.76E-08	6.97E-08	Nup210
ENSMUSG00000108723.1	24.06302853	4.238310151	1.76E-08	6.97E-08	RP23-324J22.6
ENSMUSG00000078735.3	228.0888909	1.385297457	1.77E-08	7.00E-08	Il11ra2
ENSMUSG00000110218.1	37.21319015	2.674200901	1.78E-08	7.05E-08	RP23-421B5.3
ENSMUSG00000109293.1	25.32214388	7.061142089	1.78E-08	7.07E-08	Dcst2
ENSMUSG00000070699.5	567.8885558	-0.888685368	1.79E-08	7.07E-08	Sars2
ENSMUSG00000037833.14	34.80676449	4.230824952	1.79E-08	7.10E-08	Sh2d4b
ENSMUSG00000037279.13	17.50224338	-4.173498035	1.79E-08	7.11E-08	Ovol2
ENSMUSG00000020804.12	14.79597818	7.264334242	1.80E-08	7.14E-08	Aanat
ENSMUSG00000069236.5	64.1385616	-1.67655883	1.80E-08	7.14E-08	RP23-443A7.2
ENSMUSG00000037286.15	3307.945236	-1.36998659	1.81E-08	7.16E-08	Stag1
ENSMUSG00000078497.9	238.4674333	-3.275823411	1.82E-08	7.19E-08	RP23-162H3.2
ENSMUSG00000046844.6	1212.311609	1.418553449	1.82E-08	7.21E-08	Vat1l
ENSMUSG00000023805.17	96.03625047	-1.71200388	1.82E-08	7.22E-08	Synj2
ENSMUSG00000020697.16	5670.826409	-1.486403854	1.84E-08	7.27E-08	Lig3
ENSMUSG00000082938.1	937.6302794	1.678983234	1.84E-08	7.28E-08	AC110538.1
ENSMUSG00000091350.2	37.31986839	4.215575982	1.85E-08	7.30E-08	Vmn2r92

ENSMUSG00000085347.1	33.07490772	4.154442276	1.85E-08	7.33E-08	Hk1os
ENSMUSG00000040865.15	1717.284897	-1.623798931	1.85E-08	7.33E-08	Ino80d
ENSMUSG00000023348.11	1071.768789	-0.924188967	1.86E-08	7.34E-08	Trip6
ENSMUSG00000042099.15	105.8777338	-1.622823409	1.86E-08	7.34E-08	Kank3
ENSMUSG00000017165.1	15.11375736	7.288379499	1.87E-08	7.38E-08	Gast
ENSMUSG00000031782.15	907.6718652	0.810707555	1.87E-08	7.38E-08	Coq9
ENSMUSG00000026807.8	39.22597873	2.126260022	1.87E-08	7.39E-08	Ak8
ENSMUSG00000101309.1	509.1476842	-3.22561645	1.88E-08	7.43E-08	RP24-331H14.2
ENSMUSG00000087094.1	18.05766954	7.555976397	1.88E-08	7.44E-08	RP23-123I20.3
ENSMUSG00000113549.1	25.98180646	-3.142081238	1.90E-08	7.52E-08	RP23-348M4.1
ENSMUSG00000025142.18	2648.414811	1.05001737	1.90E-08	7.52E-08	Aspscr1
ENSMUSG00000087507.1	14.49722993	7.232499817	1.90E-08	7.52E-08	AL603984.2
ENSMUSG00000101493.1	70.24221891	1.669819241	1.92E-08	7.60E-08	RP23-246F18.8
ENSMUSG00000046230.10	1126.435277	-1.588294528	1.94E-08	7.66E-08	Vps13a
ENSMUSG00000104396.1	14.54404916	7.236566742	1.95E-08	7.69E-08	RP23-147I4.1
ENSMUSG00000112595.1	46.18141679	7.035247637	1.96E-08	7.73E-08	RP23-398F20.1
ENSMUSG00000042632.17	1034.77106	-0.944585404	1.96E-08	7.75E-08	Pla2g6
ENSMUSG00000011257.19	9372.283164	-1.092023705	1.98E-08	7.81E-08	Pabpc4
ENSMUSG00000031561.16	4538.399848	-2.126207165	1.98E-08	7.81E-08	Tenm3
ENSMUSG00000044285.8	76305.41694	1.033438853	1.99E-08	7.83E-08	RP24-68H1.1
ENSMUSG00000112096.1	117.2970553	1.438908077	1.99E-08	7.86E-08	RP24-225A16.3
ENSMUSG00000019505.7	88413.17003	1.036185879	2.00E-08	7.87E-08	Ubb
ENSMUSG00000017897.18	35.73164013	2.425299462	2.01E-08	7.94E-08	Eya2
ENSMUSG00000107707.1	25.59496039	6.177513245	2.03E-08	8.00E-08	RP23-140M6.1
ENSMUSG00000039703.15	6030.13432	-0.838972642	2.03E-08	8.02E-08	Nploc4
ENSMUSG00000114349.1	1076.632789	0.868489519	2.04E-08	8.02E-08	RP23-13K8.3
ENSMUSG00000031994.13	219.8110507	-1.259176305	2.04E-08	8.06E-08	Adamts8
ENSMUSG0000003380.11	2923.02776	1.940669596	2.05E-08	8.07E-08	Rabac1
ENSMUSG00000079534.1	42.55117684	2.316214468	2.07E-08	8.14E-08	RP23-15J3.10
ENSMUSG00000042426.6	2134.591013	-1.008946294	2.07E-08	8.15E-08	Dhx29
ENSMUSG00000105787.1	594.3239375	1.037429281	2.07E-08	8.16E-08	RP23-131D6.4
ENSMUSG00000070691.10	70.71445541	-1.727487096	2.08E-08	8.19E-08	Runx3
ENSMUSG00000029673.17	3072.167466	0.955429686	2.09E-08	8.22E-08	Auts2
ENSMUSG00000021143.10	3170.519643	1.165454965	2.10E-08	8.26E-08	Pacs2
ENSMUSG00000109771.1	216.3897787	-1.663945665	2.10E-08	8.26E-08	RP23-316L10.2
ENSMUSG00000047342.17	390.2504259	1.22439715	2.11E-08	8.31E-08	Zfp286
ENSMUSG00000056153.14	2071.538765	-1.018388205	2.11E-08	8.32E-08	Socs6
ENSMUSG00000025665.16	10645.66306	-0.877644083	2.11E-08	8.32E-08	Rps6ka6
ENSMUSG00000029103.16	5073.586225	0.577870644	2.12E-08	8.33E-08	Lrppap1
ENSMUSG00000052906.7	779.6978073	-0.753129781	2.12E-08	8.33E-08	Ubxn8
ENSMUSG00000007783.10	258.3869054	1.065890904	2.12E-08	8.36E-08	Cpt1c
ENSMUSG00000000202.9	321.7307964	1.489421352	2.13E-08	8.36E-08	Btbd17
ENSMUSG00000100959.1	32.06530495	-2.323854049	2.13E-08	8.37E-08	RP23-382H8.5
ENSMUSG00000069303.6	67.92882381	1.745098611	2.14E-08	8.40E-08	Hist1h2br
ENSMUSG0000002769.6	26.84304368	4.60580465	2.14E-08	8.41E-08	RP24-317M4.4
ENSMUSG00000103916.1	15.08569211	7.286433833	2.14E-08	8.41E-08	RP23-239I17.4
ENSMUSG00000013878.18	732.3910787	1.144648438	2.15E-08	8.46E-08	Rnf170
ENSMUSG00000106636.1	129.9268726	3.056234697	2.17E-08	8.53E-08	RP23-370G17.4
ENSMUSG00000028552.13	3921.90972	1.004116453	2.19E-08	8.60E-08	Eps15
ENSMUSG00000084762.1	21.74560313	-7.017052569	2.19E-08	8.62E-08	Platr3
ENSMUSG00000056870.9	431.8387544	-1.02433957	2.21E-08	8.68E-08	Gulp1
ENSMUSG00000062044.15	2065.102938	2.107653477	2.22E-08	8.71E-08	Lmtk3
ENSMUSG00000090439.2	14.79211221	7.25742371	2.22E-08	8.73E-08	RP23-161B11.4
ENSMUSG00000005553.14	82.69273726	-2.050247724	2.23E-08	8.76E-08	Atp4a
ENSMUSG00000070690.7	19.98663414	-4.591690188	2.23E-08	8.77E-08	RP24-63O24.2
ENSMUSG00000043705.6	14.42285817	7.228712199	2.24E-08	8.78E-08	Capn13
ENSMUSG00000112134.1	13.90906481	-7.341672542	2.24E-08	8.80E-08	RP24-227O16.3
ENSMUSG00000098234.7	695.0625278	-1.041124465	2.25E-08	8.83E-08	Snhg6
ENSMUSG00000054455.4	5071.170888	0.624094286	2.26E-08	8.86E-08	Vapb
ENSMUSG000000089737.1	14.56143504	7.242456448	2.27E-08	8.89E-08	AC157492.1
ENSMUSG00000075284.10	332.0985649	-1.262232408	2.28E-08	8.95E-08	Wipf1
ENSMUSG00000019988.7	897.7741116	-1.326614779	2.29E-08	8.97E-08	Nedd1
ENSMUSG00000026029.14	206.1603761	-1.480756918	2.30E-08	9.00E-08	Casp8
ENSMUSG00000032245.12	566.842626	0.919511586	2.30E-08	9.00E-08	Cln6
ENSMUSG00000019952.15	635.6586541	-1.144735604	2.31E-08	9.06E-08	Poc1b
ENSMUSG00000038259.4	45.28525986	2.811546851	2.32E-08	9.11E-08	Gdf5
ENSMUSG00000080950.1	5074.423037	-0.839799124	2.33E-08	9.12E-08	AC123613.3
ENSMUSG00000040231.16	24.67642587	2.964574426	2.34E-08	9.15E-08	Syngtr4
ENSMUSG00000108841.1	47.13058432	-2.444736562	2.35E-08	9.22E-08	Frmpp2
ENSMUSG00000113883.1	23.76761418	3.503235957	2.36E-08	9.26E-08	RP24-146I24.12
ENSMUSG00000022212.15	22.37012016	4.118665943	2.37E-08	9.29E-08	Cpne6
ENSMUSG00000092368.1	201.2395929	1.418399374	2.37E-08	9.30E-08	RP24-443D19.8
ENSMUSG00000023075.9	3385.229482	0.639116287	2.38E-08	9.31E-08	Akirin1
ENSMUSG00000025862.14	5088.769858	-1.369328453	2.38E-08	9.32E-08	Stag2
ENSMUSG000000061589.14	3107.050762	-1.764072654	2.38E-08	9.32E-08	Dot1l
ENSMUSG00000110424.1	83.75892289	1.492413196	2.40E-08	9.38E-08	RP23-336M16.3
ENSMUSG00000040511.14	654.3837601	-1.400384441	2.40E-08	9.38E-08	Pvr
ENSMUSG00000038143.16	2690.715311	1.419945498	2.41E-08	9.42E-08	Stox2
ENSMUSG00000038831.16	1199.182707	2.030432318	2.43E-08	9.51E-08	Ralgps1
ENSMUSG00000105826.1	22.43310844	4.940343322	2.45E-08	9.57E-08	RP23-41J13.2
ENSMUSG00000022214.15	1923.748812	0.837225969	2.45E-08	9.60E-08	Dcaf11
ENSMUSG00000041351.16	565.9775094	1.397534128	2.46E-08	9.61E-08	Rap1gap
ENSMUSG00000038517.15	1125.831715	1.142159766	2.46E-08	9.63E-08	Tbkbp1

ENSMUSG00000044165.12	26.18648946	3.070369255	2.46E-08	9.63E-08	Bcl2l15
ENSMUSG00000041390.18	108.0905969	-1.307275132	2.46E-08	9.63E-08	Mdfic
ENSMUSG00000024036.15	306.6188415	1.529887638	2.47E-08	9.64E-08	Slc37a1
ENSMUSG00000021322.8	21.30355261	-4.200744266	2.50E-08	9.75E-08	Aoah
ENSMUSG00000050761.4	15.48403683	7.321557699	2.50E-08	9.76E-08	Gp1bb
ENSMUSG00000106791.1	24.6306696	6.114234908	2.51E-08	9.82E-08	RP23-345O17.7
ENSMUSG00000029670.12	782.1217714	-0.825727859	2.51E-08	9.82E-08	Ing3
ENSMUSG00000039153.16	58.5061943	2.419932608	2.52E-08	9.82E-08	Runx2
ENSMUSG00000110246.1	23.96406924	5.061783433	2.52E-08	9.84E-08	RP23-127M7.1
ENSMUSG00000082120.1	461.9825635	0.834461122	2.54E-08	9.90E-08	RP23-457B5.1
ENSMUSG00000078302.5	21.94469455	3.387933762	2.56E-08	9.99E-08	Foxd1
ENSMUSG00000097402.1	28.93260392	2.935787937	2.57E-08	1.00E-07	RP23-48H10.1
ENSMUSG00000087635.3	1967.553909	0.859142607	2.57E-08	1.00E-07	RP23-14N22.3
ENSMUSG00000085415.1	135.8433117	1.699763679	2.58E-08	1.01E-07	RP23-188K3.5
ENSMUSG00000016534.15	2491.53655	1.031446114	2.59E-08	1.01E-07	Lamp2
ENSMUSG00000102312.1	256.6754586	3.215131195	2.60E-08	1.01E-07	Pcdha3
ENSMUSG00000097494.7	23.8382986	4.72975006	2.63E-08	1.03E-07	RP24-83B1.2
ENSMUSG00000037499.9	226.855889	2.560236539	2.64E-08	1.03E-07	Nenf
ENSMUSG00000035139.14	840.7265386	-1.069031856	2.65E-08	1.03E-07	Secisbp2
ENSMUSG000000099034.7	114.6778506	1.864962645	2.66E-08	1.04E-07	RP24-289J12.1
ENSMUSG00000024013.14	140.8492958	-1.484457861	2.66E-08	1.04E-07	Fgd2
ENSMUSG00000055963.12	177.3709183	1.168640418	2.67E-08	1.04E-07	Triqk
ENSMUSG00000028251.5	333.8986151	1.022042464	2.67E-08	1.04E-07	Tstd3
ENSMUSG00000045854.4	486.6447868	1.330664852	2.67E-08	1.04E-07	Lymm2
ENSMUSG00000032598.8	433.1731591	1.002493755	2.68E-08	1.04E-07	Nckipsd
ENSMUSG00000083055.1	82.77723911	-1.651621732	2.68E-08	1.05E-07	RP23-11F9.1
ENSMUSG00000022100.14	2720.786462	-1.427671422	2.69E-08	1.05E-07	Xpo7
ENSMUSG00000009628.14	513.299303	1.805170524	2.69E-08	1.05E-07	Tex15
ENSMUSG000000091553.1	16.11739624	7.392153985	2.70E-08	1.05E-07	Serpina3e-ps
ENSMUSG00000042419.8	292.1926762	1.562017401	2.71E-08	1.06E-07	Nfkbil1
ENSMUSG00000006732.14	857.6875455	-1.610093926	2.72E-08	1.06E-07	Mettl1
ENSMUSG00000047843.16	1602.523911	1.785935053	2.73E-08	1.06E-07	Bri3
ENSMUSG00000085315.7	27.4531014	3.25144807	2.73E-08	1.06E-07	RP23-435G20.3
ENSMUSG00000022844.8	966.4739387	-0.813316307	2.73E-08	1.06E-07	Pdia5
ENSMUSG00000020456.17	5874.639637	-1.127539345	2.77E-08	1.08E-07	Ogdh
ENSMUSG00000039217.13	24.02547136	3.141739733	2.77E-08	1.08E-07	Ii18
ENSMUSG00000028648.13	1716.396965	1.864402922	2.79E-08	1.08E-07	Ndufs5
ENSMUSG000000069372.3	14.0908106	7.190495721	2.79E-08	1.09E-07	Ctxn3
ENSMUSG00000020321.15	13459.18423	1.160131286	2.80E-08	1.09E-07	Mdh1
ENSMUSG00000029076.14	8033.354133	1.025641631	2.80E-08	1.09E-07	Sdf4
ENSMUSG00000048038.8	52.61481511	-3.042137686	2.81E-08	1.09E-07	Ccdc187
ENSMUSG00000031027.15	24.58805567	7.020502308	2.82E-08	1.09E-07	Stk33
ENSMUSG00000023191.9	639.9712107	0.96497157	2.82E-08	1.10E-07	P3h3
ENSMUSG00000027551.15	1083.007013	-0.758416739	2.84E-08	1.10E-07	Zfp64
ENSMUSG00000020821.17	2714.006816	-0.967297914	2.84E-08	1.10E-07	Kif1c
ENSMUSG00000083310.2	48.74404132	-2.167876152	2.84E-08	1.10E-07	RP23-73M10.2
ENSMUSG00000103713.1	24.77660966	7.038903371	2.86E-08	1.11E-07	RP23-388A19.5
ENSMUSG00000041777.12	1507.48247	1.468384243	2.86E-08	1.11E-07	Cir1
ENSMUSG00000032604.16	6286.274229	-0.569363258	2.86E-08	1.11E-07	Qars
ENSMUSG00000036339.18	400.536498	1.235590148	2.87E-08	1.11E-07	Tmem260
ENSMUSG00000015790.16	956.2248411	1.029325256	2.87E-08	1.12E-07	Surf1
ENSMUSG00000093661.1	961.6704811	1.347113771	2.88E-08	1.12E-07	Eif4e3
ENSMUSG00000113403.1	309.4373846	-0.927956062	2.90E-08	1.13E-07	RP23-12J8.3
ENSMUSG00000106092.1	20.83284396	-4.466538785	2.90E-08	1.13E-07	RP23-3L20.3
ENSMUSG00000046351.11	2122.158546	-0.805348916	2.91E-08	1.13E-07	Zfp322a
ENSMUSG00000046753.10	799.7615875	-1.359486387	2.91E-08	1.13E-07	Ccdc66
ENSMUSG00000077222.1	54.93106645	-1.821030372	2.93E-08	1.14E-07	Gm22270
ENSMUSG00000044600.14	2743.785468	1.117670632	2.93E-08	1.14E-07	Smim7
ENSMUSG00000020682.17	36.89204989	3.030617615	2.95E-08	1.14E-07	Mmp28
ENSMUSG00000026933.17	3672.821457	0.951676459	2.95E-08	1.14E-07	Camsap1
ENSMUSG00000098128.1	14.85063625	7.262986037	2.96E-08	1.15E-07	RP24-413G2.4
ENSMUSG00000030982.19	1942.973253	0.967970875	2.97E-08	1.15E-07	AC165086.3
ENSMUSG00000094936.7	351.7220627	1.162621462	2.98E-08	1.15E-07	Rbm4
ENSMUSG00000036278.6	49.20613644	1.921243876	3.01E-08	1.17E-07	Macrod1
ENSMUSG00000023781.2	35.16402988	-2.221828188	3.01E-08	1.17E-07	Hes7
ENSMUSG00000051007.15	784.6516002	1.186718969	3.01E-08	1.17E-07	Pddc1
ENSMUSG00000021725.9	739.8461784	1.395144343	3.02E-08	1.17E-07	Parp8
ENSMUSG00000079966.2	21.57152475	-7.004233917	3.04E-08	1.17E-07	RP23-277B16.4
ENSMUSG00000025261.17	34928.07058	-2.214274707	3.04E-08	1.18E-07	Huwe1
ENSMUSG00000054160.2	20.63556577	-5.064379028	3.05E-08	1.18E-07	Nkx2-4
ENSMUSG00000071337.11	4484.240328	1.067529116	3.05E-08	1.18E-07	Tia1
ENSMUSG00000107134.1	25.45130259	7.078004744	3.06E-08	1.18E-07	RP23-2C16.2
ENSMUSG00000080021.5	2521.105108	1.83401937	3.06E-08	1.19E-07	AC127419.2
ENSMUSG00000020671.9	5860.528059	0.821876528	3.07E-08	1.19E-07	Rab10
ENSMUSG00000028164.15	565.2647439	-0.845850232	3.07E-08	1.19E-07	Manba
ENSMUSG00000021364.16	1216.920287	1.09960405	3.09E-08	1.19E-07	Elovl2
ENSMUSG00000112332.1	83.74549628	1.91561338	3.09E-08	1.19E-07	RP24-366H8.3
ENSMUSG00000100895.1	166.0094065	1.079768797	3.10E-08	1.20E-07	RP23-6J21.3
ENSMUSG00000103445.1	21.81269985	-3.305424087	3.10E-08	1.20E-07	RP24-282D16.4
ENSMUSG00000039519.6	163.4492152	1.602089075	3.11E-08	1.20E-07	Cyp7b1
ENSMUSG00000085126.1	14.50558149	7.229166854	3.11E-08	1.20E-07	RP23-342H16.1
ENSMUSG00000068631.8	31.37765661	3.155125978	3.14E-08	1.21E-07	RP24-92D20.6
ENSMUSG00000026932.14	140.5121754	1.649743504	3.14E-08	1.21E-07	Nacc2

ENSMUSG00000048240.14	170.8568855	1.805357394	3.16E-08	1.22E-07	Gng7
ENSMUSG00000028385.14	2228.387804	1.160269045	3.17E-08	1.22E-07	Snx30
ENSMUSG00000020089.8	6106.074484	-1.276926031	3.19E-08	1.23E-07	Ppa1
ENSMUSG00000027306.15	2328.00283	-0.617241134	3.21E-08	1.24E-07	Nusap1
ENSMUSG00000006095.12	3510.48974	1.657825492	3.26E-08	1.26E-07	Tbcb
ENSMUSG00000022203.7	431.2927601	-1.061889774	3.30E-08	1.28E-07	Efs
ENSMUSG00000069808.13	738.3531544	0.808773708	3.30E-08	1.28E-07	Fam57a
ENSMUSG00000031458.8	1292.614378	1.144665598	3.31E-08	1.28E-07	Coprs
ENSMUSG00000039131.15	27.47179658	3.146354272	3.31E-08	1.28E-07	Gipc2
ENSMUSG00000028348.7	148.2738037	-1.545185556	3.31E-08	1.28E-07	Murc
ENSMUSG00000098893.1	1925.551686	-1.226746872	3.32E-08	1.28E-07	RP23-292F17.4
ENSMUSG00000020888.16	1871.622285	-0.95083376	3.33E-08	1.29E-07	Dvl2
ENSMUSG00000028261.13	1542.593021	-0.916475007	3.39E-08	1.31E-07	Ndufaf4
ENSMUSG00000054414.4	1729.164767	-1.292764609	3.44E-08	1.33E-07	Slc30a7
ENSMUSG00000044176.11	22.78542178	6.911396749	3.44E-08	1.33E-07	Spink10
ENSMUSG000000097756.2	25.54530597	7.083687875	3.46E-08	1.33E-07	RP24-360F21.1
ENSMUSG00000029550.11	3168.620834	0.614719287	3.48E-08	1.34E-07	Spp13
ENSMUSG00000026339.18	1489.559127	-1.285981658	3.51E-08	1.35E-07	Ccdc93
ENSMUSG00000071477.10	755.6703741	1.015553463	3.52E-08	1.36E-07	Zfp777
ENSMUSG00000028102.15	420.3598974	1.074808088	3.52E-08	1.36E-07	Pex11b
ENSMUSG00000032135.15	502.2815671	-0.857298481	3.54E-08	1.36E-07	Mcam
ENSMUSG000000108802.1	21.15795611	3.641273391	3.55E-08	1.37E-07	RP23-64D23.5
ENSMUSG000000112381.1	30.52281698	2.594667524	3.56E-08	1.37E-07	RP24-545B2.4
ENSMUSG00000024073.15	7056.89409	-1.65656701	3.57E-08	1.37E-07	Birc6
ENSMUSG00000036850.4	1160.247903	1.822291807	3.59E-08	1.38E-07	Mrpl41
ENSMUSG00000078201.5	203.728326	1.364567397	3.59E-08	1.38E-07	Tmem203
ENSMUSG00000020409.10	2853.334537	0.695631608	3.60E-08	1.39E-07	Slu7
ENSMUSG00000034320.14	1198.43707	-0.803530903	3.61E-08	1.39E-07	Slc26a2
ENSMUSG00000057069.7	446.4693935	1.373069174	3.62E-08	1.39E-07	Ero11b
ENSMUSG00000037656.9	2499.007596	-1.151602915	3.65E-08	1.40E-07	Slc20a2
ENSMUSG00000051074.4	20.32115622	3.968380453	3.66E-08	1.41E-07	RP23-307B15.1
ENSMUSG00000069814.6	507.4850661	1.492368673	3.66E-08	1.41E-07	Ccdc92b
ENSMUSG00000026042.16	2826.273507	-1.40292125	3.66E-08	1.41E-07	Col5a2
ENSMUSG00000035829.13	475.7917501	1.632545742	3.68E-08	1.41E-07	Ppp1r26
ENSMUSG00000073876.3	267.3093172	1.468515723	3.70E-08	1.42E-07	Il11ra2
ENSMUSG000000114738.1	3377.816294	-1.140178643	3.70E-08	1.42E-07	RP23-79G18.4
ENSMUSG000000091510.4	21.16358093	3.638991864	3.71E-08	1.42E-07	AC151602.4
ENSMUSG000000091429.1	24.08153048	6.081554594	3.72E-08	1.43E-07	RP23-48M16.3
ENSMUSG000000113132.1	988.8231968	-1.154646894	3.74E-08	1.44E-07	RP24-316P8.2
ENSMUSG00000040560.9	1894.709291	1.384743336	3.74E-08	1.44E-07	Wdr7
ENSMUSG00000006310.10	31.19546995	-2.57167324	3.76E-08	1.44E-07	Zbtb32
ENSMUSG000000064225.6	288.5693883	1.205164593	3.76E-08	1.44E-07	Paqr9
ENSMUSG00000028538.12	651.7970288	0.844580603	3.77E-08	1.45E-07	St3gal3
ENSMUSG00000067764.11	15.8543163	7.354776672	3.78E-08	1.45E-07	Xlr5c
ENSMUSG00000036940.15	12520.03087	-0.558720701	3.78E-08	1.45E-07	Kdm1a
ENSMUSG00000037902.18	1042.206753	1.103826096	3.80E-08	1.46E-07	Sirpa
ENSMUSG00000033544.6	14.26114864	7.20358269	3.83E-08	1.47E-07	Angpt1
ENSMUSG000000107333.1	459.2889563	-1.059741078	3.83E-08	1.47E-07	RP23-49O22.2
ENSMUSG00000054426.11	157.3453628	1.624536952	3.85E-08	1.48E-07	RP24-155C13.1
ENSMUSG00000002342.17	1275.840439	0.762355849	3.85E-08	1.48E-07	Tmem161a
ENSMUSG00000053684.8	322.4589013	-1.360858778	3.87E-08	1.48E-07	RP23-149L10.1
ENSMUSG00000016528.10	10351.65217	-0.770872212	3.88E-08	1.49E-07	Mapkap2
ENSMUSG000000062110.14	363.2615693	0.937163442	3.89E-08	1.49E-07	Scfd2
ENSMUSG00000041035.8	1050.952952	1.793362771	3.91E-08	1.50E-07	RP23-256L12.2
ENSMUSG00000059493.13	1533.329079	-0.741354169	3.91E-08	1.50E-07	Nhs
ENSMUSG000000113308.1	463.4421415	-1.288108152	3.92E-08	1.50E-07	RP23-320111.5
ENSMUSG00000030269.14	1903.283278	-0.716091639	3.93E-08	1.50E-07	Mttr14
ENSMUSG00000078695.8	443.9142252	1.742763264	3.93E-08	1.50E-07	Cisd3
ENSMUSG000000113835.1	18.06609306	-4.519310877	3.97E-08	1.52E-07	RP23-394E9.1
ENSMUSG00000029516.19	1367.530492	-2.030138979	4.01E-08	1.54E-07	Cit
ENSMUSG00000028675.12	1800.300395	-0.623799295	4.03E-08	1.54E-07	Pnrc2
ENSMUSG00000090713.2	23.68630324	6.055426871	4.05E-08	1.55E-07	RP24-63B17.3
ENSMUSG00000091569.1	22.05757082	6.864477932	4.06E-08	1.55E-07	RP23-48M16.2
ENSMUSG000000068039.12	23877.34015	-0.952199159	4.07E-08	1.56E-07	Tcp1
ENSMUSG00000043067.15	2888.156427	-1.044775172	4.09E-08	1.56E-07	Dpy191
ENSMUSG00000028719.8	3483.025316	0.730288263	4.11E-08	1.57E-07	Cmpk1
ENSMUSG00000019929.16	155.4850183	1.38440396	4.11E-08	1.57E-07	Dcn
ENSMUSG00000021816.11	4898.257338	0.913358165	4.12E-08	1.58E-07	Ppp3cb
ENSMUSG00000022758.14	24.89135369	3.316390546	4.12E-08	1.58E-07	P2rx6
ENSMUSG00000035674.13	1987.034272	2.076032286	4.12E-08	1.58E-07	Ndufa3
ENSMUSG00000055067.15	535.5080199	1.036160314	4.15E-08	1.59E-07	Smyd3
ENSMUSG00000043448.13	40.67030347	2.447125385	4.17E-08	1.60E-07	Gjc2
ENSMUSG000000113456.1	54.81755502	-1.691279639	4.18E-08	1.60E-07	RP24-345D17.2
ENSMUSG00000029175.17	756.2144046	0.792844783	4.19E-08	1.60E-07	Slc35f6
ENSMUSG00000026411.17	2886.156352	0.811724505	4.20E-08	1.60E-07	Tmem9
ENSMUSG00000024397.14	25.78503637	7.085845174	4.21E-08	1.61E-07	Aif1
ENSMUSG000000105135.1	25.05960504	3.761599163	4.21E-08	1.61E-07	RP23-418O21.3
ENSMUSG000000104263.1	32.61815469	2.436437984	4.22E-08	1.61E-07	RP24-89F9.4
ENSMUSG000000091733.1	23.53834938	6.04618224	4.23E-08	1.62E-07	RP23-136I9.3
ENSMUSG00000084786.9	2562.663317	1.484723514	4.24E-08	1.62E-07	Ubl5
ENSMUSG00000002504.14	455.1668385	0.902493957	4.24E-08	1.62E-07	Slc9a3r2
ENSMUSG00000032350.9	2428.402361	-1.424492103	4.25E-08	1.62E-07	Gclc
ENSMUSG000000113646.1	167.209449	1.611845359	4.25E-08	1.62E-07	RP23-27M3.2

ENSMUSG00000089698.1	1111.209968	0.829915377	4.26E-08	1.63E-07	RP24-149O16.2
ENSMUSG00000082491.1	2061.691702	-0.732537448	4.27E-08	1.63E-07	AC163438.1
ENSMUSG00000028152.10	2397.484075	0.727712027	4.27E-08	1.63E-07	Tspan5
ENSMUSG00000000617.14	20.13066535	-6.906205236	4.29E-08	1.64E-07	Grm6
ENSMUSG00000105990.1	20.54549528	5.251048113	4.32E-08	1.65E-07	WI1-1749A12.1
ENSMUSG00000106887.1	22.08433369	6.869098468	4.33E-08	1.65E-07	RP24-132L16.12
ENSMUSG00000046240.8	15.81755684	7.360108752	4.34E-08	1.66E-07	Hepacam
ENSMUSG00000036983.7	623.3924456	-0.835891666	4.35E-08	1.66E-07	Tfb1m
ENSMUSG000000066189.9	20.3431603	5.234856501	4.36E-08	1.66E-07	Cacng3
ENSMUSG00000031378.14	357.3108232	1.375732725	4.36E-08	1.66E-07	Abcd1
ENSMUSG00000018848.4	8077.579347	-0.732602492	4.38E-08	1.67E-07	Rars
ENSMUSG00000033788.15	140.5389231	-1.818611197	4.38E-08	1.67E-07	Dysf
ENSMUSG00000111465.1	51.28062529	3.489280548	4.39E-08	1.67E-07	RP24-93F20.9
ENSMUSG00000081824.5	1868.046973	1.810151221	4.42E-08	1.68E-07	RP23-357P12.1
ENSMUSG00000031548.7	5187.697411	0.668877845	4.43E-08	1.69E-07	Sfrp1
ENSMUSG000000057895.11	878.1985175	-0.804337116	4.43E-08	1.69E-07	Zfp105
ENSMUSG00000003575.13	1086.677816	1.761897525	4.44E-08	1.69E-07	Crtc1
ENSMUSG00000042938.8	401.3101247	-1.059581607	4.46E-08	1.70E-07	RP23-185F7.4
ENSMUSG00000034327.17	645.6439405	-1.281637587	4.47E-08	1.70E-07	Kctd9
ENSMUSG000000057614.6	2376.280316	0.929099307	4.50E-08	1.71E-07	Gnai1
ENSMUSG00000026874.10	36.43764481	4.061941218	4.51E-08	1.72E-07	Hc
ENSMUSG00000028082.13	1131.083981	-1.687200777	4.53E-08	1.73E-07	Sh3d19
ENSMUSG00000026950.17	51.62921239	2.772184935	4.56E-08	1.74E-07	Neb
ENSMUSG00000037369.17	2197.289267	-1.526777623	4.57E-08	1.74E-07	Kdm6a
ENSMUSG00000028289.12	1169.693579	0.950582607	4.59E-08	1.75E-07	Epha7
ENSMUSG00000028883.17	554.6418198	1.242660597	4.59E-08	1.75E-07	Sema3a
ENSMUSG00000079343.4	67.57379059	-2.542491046	4.61E-08	1.75E-07	C1s2
ENSMUSG00000037685.15	3273.702483	1.697896686	4.61E-08	1.76E-07	Atp8a1
ENSMUSG00000026245.16	3508.539394	-0.785767745	4.62E-08	1.76E-07	Farsb
ENSMUSG00000022544.14	285.6742921	-2.025180883	4.62E-08	1.76E-07	Eef2kmt
ENSMUSG00000028282.12	2317.700329	-1.113326133	4.63E-08	1.76E-07	Casp8ap2
ENSMUSG00000113288.1	17.16665887	7.480796995	4.62E-08	1.76E-07	RP23-180E6.4
ENSMUSG00000091584.1	20.44949727	5.235222205	4.64E-08	1.76E-07	RP23-78F6.6
ENSMUSG00000034194.17	1599.390795	0.713704382	4.64E-08	1.76E-07	R3hcc1
ENSMUSG00000059248.13	6562.240949	0.622469382	4.64E-08	1.76E-07	09. Sep
ENSMUSG00000042816.3	13.51069998	7.129217099	4.66E-08	1.77E-07	Gpr151
ENSMUSG00000050002.14	1138.740024	1.40209018	4.71E-08	1.79E-07	Idnk
ENSMUSG000000036304.14	307.646636	-1.285276386	4.71E-08	1.79E-07	Zdhhc23
ENSMUSG00000018427.7	146.2464192	1.401008022	4.71E-08	1.79E-07	Ypel2
ENSMUSG00000031922.12	2089.237585	-0.628568713	4.73E-08	1.79E-07	Cep57
ENSMUSG00000032463.10	947.3190721	0.923863728	4.73E-08	1.80E-07	Faim
ENSMUSG00000020850.14	26833.10782	-2.008468702	4.74E-08	1.80E-07	Prpf8
ENSMUSG0000000708.14	805.459488	-1.030513582	4.75E-08	1.80E-07	Kat2b
ENSMUSG00000020101.14	90.34464264	-1.555012702	4.75E-08	1.80E-07	Vsir
ENSMUSG00000026630.9	63.56880299	-2.372294845	4.79E-08	1.82E-07	Batf3
ENSMUSG00000034311.3	1804.527664	-0.853070812	4.80E-08	1.82E-07	Kif4
ENSMUSG00000052563.13	328.4603518	-1.57504706	4.80E-08	1.82E-07	RP23-79E13.6
ENSMUSG00000079223.3	105.6284015	-2.37696049	4.82E-08	1.83E-07	RP23-205D10.3
ENSMUSG00000051910.13	440.0681756	1.448345049	4.85E-08	1.84E-07	Sox6
ENSMUSG00000024327.15	328.0629887	-1.578294657	4.88E-08	1.85E-07	Slc39a7
ENSMUSG00000020718.12	536.6297737	-0.927122239	4.88E-08	1.85E-07	Polg2
ENSMUSG00000028563.16	916.2196429	1.312248187	4.89E-08	1.85E-07	Tm2d1
ENSMUSG00000099397.1	1226.120616	-1.452202647	4.91E-08	1.86E-07	RP24-113B3.2
ENSMUSG00000053297.14	23.54509096	5.458827679	4.95E-08	1.87E-07	RP24-124B23.4
ENSMUSG00000004937.6	4878.095316	0.872500434	4.96E-08	1.88E-07	Sgta
ENSMUSG00000056598.16	27.99784126	2.653870385	4.98E-08	1.89E-07	Drc3
ENSMUSG00000020812.17	1199.108054	-1.075532667	5.00E-08	1.89E-07	RP23-313J14.6
ENSMUSG00000034563.16	171.2886006	1.775476209	5.03E-08	1.90E-07	Ccpg1
ENSMUSG00000037190.12	435.0719703	1.166352084	5.04E-08	1.91E-07	Cyb561d2
ENSMUSG00000106928.1	144.7121354	2.010291106	5.06E-08	1.91E-07	RP23-26P10.1
ENSMUSG00000087547.1	12.41553035	-7.179241451	5.06E-08	1.92E-07	Platr27
ENSMUSG00000003131.7	7481.693586	0.690018261	5.10E-08	1.93E-07	Pafah1b2
ENSMUSG00000108940.1	38.28141198	-2.754883133	5.13E-08	1.94E-07	RP23-182F18.1
ENSMUSG00000110460.1	163.6745648	-1.18284457	5.14E-08	1.94E-07	RP23-478P10.2
ENSMUSG00000028271.9	1403.140793	0.829629356	5.16E-08	1.95E-07	Gtf2b
ENSMUSG00000035394.11	20.66694466	3.790414404	5.24E-08	1.98E-07	Cfap53
ENSMUSG00000026811.18	384.2929774	-0.962295268	5.32E-08	2.01E-07	St6galnac6
ENSMUSG000000086013.1	155.7903806	1.056824118	5.34E-08	2.02E-07	RP24-359O2.3
ENSMUSG00000021189.11	1184.620404	-0.970575261	5.34E-08	2.02E-07	Atxn3
ENSMUSG00000017843.14	5170.127591	0.612608349	5.39E-08	2.04E-07	Ppp2r5c
ENSMUSG00000014402.15	3854.986409	0.980499138	5.41E-08	2.04E-07	Tsg101
ENSMUSG00000054304.3	29.89510738	3.736676778	5.42E-08	2.05E-07	D130007C19Rik
ENSMUSG00000104164.1	81.85308338	-2.75758845	5.42E-08	2.05E-07	RP24-338G10.1
ENSMUSG00000095180.8	23.03776219	-3.481936521	5.44E-08	2.06E-07	Rhox5
ENSMUSG00000016262.14	464.5896828	1.153462885	5.44E-08	2.06E-07	Sertad4
ENSMUSG00000038028.9	1334.576905	-0.993121911	5.47E-08	2.07E-07	Tigar
ENSMUSG00000022858.16	7743.393712	-0.750731744	5.48E-08	2.07E-07	Tra2b
ENSMUSG00000022672.8	1239.126519	-1.62604977	5.49E-08	2.07E-07	Prkdc
ENSMUSG00000031480.15	179.4060509	-1.589643314	5.50E-08	2.08E-07	Thsd1
ENSMUSG00000069565.12	3341.247224	-0.613780634	5.50E-08	2.08E-07	Dazap1
ENSMUSG00000073889.10	594.2423168	1.663708996	5.50E-08	2.08E-07	Il11ra1
ENSMUSG00000112324.1	20.6367119	-4.219192611	5.51E-08	2.08E-07	RP23-356G7.6
ENSMUSG00000083826.1	2424.549969	-1.173677352	5.54E-08	2.09E-07	RP23-185C16.2

ENSMUSG00000023927.15	1529.163731	-0.780494495	5.56E-08	2.10E-07	Satb1
ENSMUSG00000115219.2	312.3108468	-1.912571354	5.56E-08	2.10E-07	Eef1akmt4
ENSMUSG00000081881.1	18.46512833	-4.05045796	5.64E-08	2.13E-07	RP23-217B8.5
ENSMUSG00000111905.1	29.13415604	2.723115311	5.66E-08	2.14E-07	RP24-347C6.5
ENSMUSG00000040363.15	3479.533919	-1.289908629	5.68E-08	2.14E-07	Bcor
ENSMUSG00000034435.6	47.51627545	-2.257959798	5.69E-08	2.14E-07	Tmem30b
ENSMUSG00000051652.4	612.1450585	1.134908323	5.69E-08	2.15E-07	Lrrc3
ENSMUSG00000021460.17	748.5579096	0.877593809	5.70E-08	2.15E-07	Auh
ENSMUSG00000029335.5	30.2244848	2.44430913	5.74E-08	2.17E-07	Bmp3
ENSMUSG0000003031.14	3079.259065	0.779816858	5.76E-08	2.17E-07	Cdkn1b
ENSMUSG00000111374.1	25.97419489	6.192881968	5.76E-08	2.17E-07	RP23-433H22.3
ENSMUSG00000105705.1	132.0507169	1.205986772	5.76E-08	2.17E-07	RP23-92D22.3
ENSMUSG00000058328.13	15.22273082	7.296126486	5.84E-08	2.20E-07	Xlr5a
ENSMUSG00000021037.7	7555.603785	-0.876526881	5.89E-08	2.22E-07	Ahsa1
ENSMUSG00000054383.2	28.78408436	3.427484049	5.91E-08	2.23E-07	Pnma1
ENSMUSG000000066441.14	2995.129184	-0.81883401	5.96E-08	2.24E-07	Rdh11
ENSMUSG00000024486.5	298.9925063	1.498880407	5.96E-08	2.24E-07	Hbegf
ENSMUSG00000072487.10	21.31095679	4.277587868	5.96E-08	2.24E-07	Mroh5
ENSMUSG00000108799.1	874.4997569	-1.370448213	5.97E-08	2.25E-07	RP24-178G20.2
ENSMUSG00000022771.17	2692.074413	0.99652297	5.98E-08	2.25E-07	Ppil2
ENSMUSG00000107729.1	76.59967131	9.633802473	6.03E-08	2.27E-07	RP23-477A19.5
ENSMUSG00000026748.13	928.5921367	1.263967248	6.05E-08	2.28E-07	Plxdc2
ENSMUSG00000003872.9	38.6012654	2.129111858	6.09E-08	2.29E-07	Lin7b
ENSMUSG00000022860.15	17.75546458	4.26939779	6.13E-08	2.31E-07	Chodl
ENSMUSG00000087484.1	40.00738525	2.144353416	6.15E-08	2.31E-07	AC121845.3
ENSMUSG00000112851.1	150.9355235	-1.187656145	6.16E-08	2.32E-07	RP24-280M20.2
ENSMUSG000000097122.1	33.8345602	-2.324304155	6.17E-08	2.32E-07	Gm26624
ENSMUSG00000075327.10	737.0237791	-0.843860922	6.19E-08	2.33E-07	Zbtb2
ENSMUSG00000073514.3	37.74541323	3.141690805	6.20E-08	2.33E-07	Dok6
ENSMUSG00000087331.8	18.73886732	4.686089408	6.21E-08	2.33E-07	AC113069.6
ENSMUSG00000051978.9	373.5409786	0.94159	6.21E-08	2.33E-07	Erich1
ENSMUSG00000004070.15	1426.413987	1.185848485	6.22E-08	2.34E-07	Hmox2
ENSMUSG00000021427.10	9105.516266	-0.638670808	6.23E-08	2.34E-07	Ssr1
ENSMUSG00000042828.12	46.71240961	5.444870691	6.24E-08	2.34E-07	Trim7
ENSMUSG000000040548.16	2111.205953	1.276652613	6.26E-08	2.35E-07	Tex2
ENSMUSG00000024382.13	1816.311292	-0.700690444	6.28E-08	2.36E-07	Erc3
ENSMUSG00000114827.1	367.276861	-1.082135754	6.32E-08	2.37E-07	RP24-499C1.5
ENSMUSG000000041130.9	2495.455018	-1.240677299	6.33E-08	2.37E-07	Zfp598
ENSMUSG00000048232.12	566.5847957	1.465370827	6.34E-08	2.38E-07	Fbxo10
ENSMUSG00000075419.4	756.7035665	0.940656754	6.38E-08	2.40E-07	Dolk
ENSMUSG00000075053.3	4178.967805	0.844812625	6.40E-08	2.40E-07	Vdac3-ps1
ENSMUSG00000014786.8	377.5949107	-1.244263544	6.43E-08	2.41E-07	Slc9a5
ENSMUSG00000048874.15	3571.412456	-1.195240313	6.45E-08	2.42E-07	Phf3
ENSMUSG00000079283.2	268.1212003	1.791915047	6.47E-08	2.43E-07	RP24-214P19.2
ENSMUSG00000114293.1	45.60344464	-3.349610135	6.53E-08	2.45E-07	RP24-470E2.2
ENSMUSG00000003546.9	750.0820768	0.820558804	6.53E-08	2.45E-07	Klc4
ENSMUSG00000037172.14	1153.568802	-1.12500292	6.57E-08	2.46E-07	RP23-83N17.1
ENSMUSG00000070056.6	749.4802117	0.877155505	6.57E-08	2.46E-07	Mfhas1
ENSMUSG00000040918.12	726.0127437	-1.570985904	6.59E-08	2.47E-07	Slc19a2
ENSMUSG00000040113.14	14.50034741	7.227558198	6.60E-08	2.47E-07	Mettl11b
ENSMUSG00000020166.15	3119.889336	-0.74296715	6.62E-08	2.48E-07	Cnot2
ENSMUSG000000094543.1	22.93613153	6.004461524	6.65E-08	2.49E-07	RP24-359N3.2
ENSMUSG00000036748.15	3749.559286	1.432789586	6.66E-08	2.49E-07	Cuedc2
ENSMUSG00000056972.6	3942.787768	-1.760100311	6.70E-08	2.51E-07	Magel2
ENSMUSG00000006191.17	378.8661267	-1.169625154	6.76E-08	2.53E-07	Cdkal1
ENSMUSG00000066197.5	344.6952213	1.759369721	6.77E-08	2.53E-07	Gpr139
ENSMUSG00000038095.15	6187.684219	-0.909420804	6.80E-08	2.55E-07	Sbno1
ENSMUSG00000082971.1	81.50388459	-1.785983782	6.82E-08	2.55E-07	RP23-74A1.1
ENSMUSG00000004665.10	1781.499056	-1.149139983	6.84E-08	2.56E-07	Cnn2
ENSMUSG00000107886.1	17.18669067	7.471237178	6.85E-08	2.57E-07	RP23-172L21.2
ENSMUSG00000033967.4	99.08607776	1.543026528	6.88E-08	2.58E-07	Rnf225
ENSMUSG00000045975.8	550.6860435	1.52992217	6.89E-08	2.58E-07	C2cd2
ENSMUSG00000034462.9	1852.235995	-1.548965782	6.92E-08	2.59E-07	Pkd2
ENSMUSG00000108053.1	56.27417489	-3.702669734	6.98E-08	2.61E-07	RP24-317F6.7
ENSMUSG00000036192.15	51.02074623	2.787955223	7.02E-08	2.63E-07	Rorb
ENSMUSG00000056316.2	23.91409002	6.067589302	7.07E-08	2.65E-07	RP23-34F16.1
ENSMUSG00000000552.10	756.4464073	0.990193448	7.08E-08	2.65E-07	Zfp385a
ENSMUSG000000049532.11	4107.50908	-1.193464639	7.08E-08	2.65E-07	Sall2
ENSMUSG00000042625.16	3670.583973	-0.931254881	7.10E-08	2.65E-07	Safb2
ENSMUSG00000055943.5	2033.334801	0.684362443	7.10E-08	2.66E-07	Emc7
ENSMUSG000000097840.1	22.6053769	5.999394142	7.11E-08	2.66E-07	RP24-103L16.2
ENSMUSG00000104938.1	31.7442353	4.845861668	7.11E-08	2.66E-07	RP24-293C5.5
ENSMUSG00000005899.14	3345.971839	-1.223113021	7.12E-08	2.66E-07	Smpd4
ENSMUSG00000104843.1	35.18761693	2.71650804	7.12E-08	2.66E-07	RP23-255N3.3
ENSMUSG000000041638.18	6010.852102	-1.474702612	7.13E-08	2.66E-07	Gcn11
ENSMUSG00000028629.9	1017.935896	0.72456536	7.16E-08	2.67E-07	Exo5
ENSMUSG00000040612.13	664.914116	1.396774146	7.19E-08	2.68E-07	Ildr2
ENSMUSG00000003500.13	1597.716999	-0.859693319	7.25E-08	2.71E-07	Impdh1
ENSMUSG000000020134.13	3989.619029	0.891107425	7.31E-08	2.73E-07	Peli1
ENSMUSG00000068579.5	1980.298089	-1.202507863	7.33E-08	2.74E-07	Rpl7a-ps3
ENSMUSG00000030507.6	18.45338429	4.681894007	7.34E-08	2.74E-07	Dbx1
ENSMUSG00000040667.11	6272.842525	-0.811045121	7.35E-08	2.74E-07	Nup88
ENSMUSG00000042246.5	430.5513709	-1.402280283	7.38E-08	2.75E-07	Tmc7

ENSMUSG00000029471.13	855.395776	1.062111815	7.38E-08	2.75E-07	Camkk2
ENSMUSG00000081026.1	104.3805788	-2.148509746	7.39E-08	2.76E-07	RP23-338J24.1
ENSMUSG000000087368.7	206.793282	-1.389560545	7.39E-08	2.76E-07	RP23-197O15.5
ENSMUSG000000092269.1	99.40668189	-2.362539095	7.42E-08	2.77E-07	RP23-373C24.6
ENSMUSG00000018160.15	5952.62686	-1.110162147	7.44E-08	2.78E-07	Med1
ENSMUSG00000040325.16	2860.405344	-1.795679506	7.46E-08	2.78E-07	Vprbp
ENSMUSG00000012117.13	1963.744168	0.659677851	7.47E-08	2.78E-07	Dhdd5
ENSMUSG00000036964.14	30.48486104	5.114695347	7.47E-08	2.78E-07	Trim17
ENSMUSG00000040605.8	12.75042734	7.04845683	7.48E-08	2.79E-07	Nhlh2
ENSMUSG00000037552.17	1810.272814	-1.87176889	7.54E-08	2.81E-07	Plekhg2
ENSMUSG00000024871.10	86.61168454	1.329286991	7.54E-08	2.81E-07	Doc2g
ENSMUSG00000028763.17	5175.158546	-1.952915268	7.54E-08	2.81E-07	Hspg2
ENSMUSG00000073856.11	76.63750123	1.591698347	7.60E-08	2.83E-07	lqck
ENSMUSG00000091876.1	866.8177991	-1.032813177	7.61E-08	2.83E-07	RP23-274C16.3
ENSMUSG00000070462.4	1143.937196	0.727867593	7.61E-08	2.84E-07	Mesdc1
ENSMUSG00000029086.15	2189.928078	-0.756585824	7.62E-08	2.84E-07	Prom1
ENSMUSG00000026126.15	46.75629836	-2.104796799	7.66E-08	2.85E-07	Ptpn18
ENSMUSG00000063172.13	477.8134275	1.343135975	7.67E-08	2.85E-07	Hspb11
ENSMUSG00000033849.3	12.67030879	7.037631542	7.70E-08	2.86E-07	B3galt2
ENSMUSG00000040605.7	24.02712666	3.03765147	7.69E-08	2.86E-07	Bace2
ENSMUSG00000099998.1	1451.856873	-2.117221814	7.70E-08	2.86E-07	RP24-512H17.5
ENSMUSG00000011417.1	40.21343644	-3.136448234	7.71E-08	2.87E-07	RP23-366K1.6
ENSMUSG000000104148.5	34.15299461	3.930389308	7.73E-08	2.87E-07	Pcdha2
ENSMUSG00000081656.1	352.7870994	-1.157786852	7.79E-08	2.90E-07	RP24-468P16.1
ENSMUSG00000030654.9	13071.5762	0.584774291	7.80E-08	2.90E-07	Arl6ip1
ENSMUSG00000037343.8	3120.298398	-1.256578551	7.90E-08	2.94E-07	Taf2
ENSMUSG00000029430.13	23582.43998	-1.272111664	7.94E-08	2.95E-07	Ran
ENSMUSG00000074664.3	12.62116174	7.032877226	7.96E-08	2.96E-07	RP23-196E24.1
ENSMUSG00000022604.18	1563.445433	-0.976399626	7.96E-08	2.96E-07	Cep97
ENSMUSG00000108042.1	48.41204151	-2.244949918	7.97E-08	2.96E-07	RP23-4F16.14
ENSMUSG00000069307.6	64.78569842	1.697930613	8.00E-08	2.97E-07	Hist1h2bq
ENSMUSG00000111600.1	34.29830592	-2.117987794	8.00E-08	2.97E-07	RP23-1181I6.2
ENSMUSG00000073802.4	30.78761124	2.598574403	8.03E-08	2.98E-07	Cdkn2b
ENSMUSG00000089208.9	448.7266728	-0.999544902	8.07E-08	3.00E-07	Zfp825
ENSMUSG00000006846.2	292.1460152	-0.991597905	8.08E-08	3.00E-07	RP23-299A2.5
ENSMUSG00000112808.1	7684.681564	-1.08031485	8.10E-08	3.01E-07	RP23-356P21.1
ENSMUSG00000070814.15	522.7895082	1.157381372	8.15E-08	3.02E-07	AC161792.1
ENSMUSG00000020493.8	1371.096638	-1.742526236	8.15E-08	3.03E-07	Prr11
ENSMUSG00000001855.15	2497.610531	-1.383039329	8.17E-08	3.03E-07	Nup214
ENSMUSG00000097526.1	33.16174859	2.542891364	8.18E-08	3.04E-07	Gm26847
ENSMUSG00000079707.10	63.19306549	2.200367954	8.19E-08	3.04E-07	Tcte3
ENSMUSG00000065911.1	37.71036065	3.37765838	8.20E-08	3.04E-07	Gm24447
ENSMUSG00000056537.11	5140.738448	-0.802493038	8.25E-08	3.06E-07	Rlim
ENSMUSG00000081308.1	201.9057512	1.096830758	8.25E-08	3.06E-07	RP23-130J1.3
ENSMUSG00000024145.6	793.7139736	-0.86753907	8.33E-08	3.09E-07	Pigf
ENSMUSG00000050555.9	616.2674149	0.744519116	8.43E-08	3.13E-07	Hyls1
ENSMUSG00000034532.9	377.4992781	0.914985361	8.46E-08	3.14E-07	Fbxo16
ENSMUSG00000033054.7	1894.293112	-1.462891284	8.48E-08	3.14E-07	Npat
ENSMUSG00000068206.13	655.4143788	0.771912211	8.54E-08	3.16E-07	Pick1
ENSMUSG00000032220.10	495.1750703	-1.141815565	8.59E-08	3.18E-07	Myo1e
ENSMUSG00000096988.1	19.56496078	3.909627155	8.59E-08	3.18E-07	RP23-135G19.1
ENSMUSG00000094483.2	5969.166241	-0.750089798	8.62E-08	3.20E-07	Purb
ENSMUSG00000059323.14	1113.062383	-1.087280377	8.69E-08	3.22E-07	Tonsl
ENSMUSG00000071359.13	3178.3383	0.607573888	8.75E-08	3.24E-07	Tbpl1
ENSMUSG00000115188.1	2797.599209	-1.158001832	8.82E-08	3.27E-07	RP23-91M6.2
ENSMUSG00000113204.1	1909.633094	-0.693589372	8.83E-08	3.27E-07	RP23-95L9.5
ENSMUSG00000071550.14	14.68518962	7.258386039	8.84E-08	3.27E-07	Cfap44
ENSMUSG00000033047.5	10319.18513	-0.924224641	8.87E-08	3.28E-07	Eif3l
ENSMUSG00000099664.1	18.26363615	4.053371195	8.87E-08	3.28E-07	RP23-382M10.2
ENSMUSG00000106826.1	48.25147127	5.463737829	8.88E-08	3.29E-07	RP23-307L24.2
ENSMUSG00000001761.7	3042.075471	-1.323554993	8.89E-08	3.29E-07	Smo
ENSMUSG00000004383.18	1124.996981	1.269355052	8.89E-08	3.29E-07	Large
ENSMUSG00000060098.11	2482.947133	-0.74788216	8.92E-08	3.30E-07	Prmt7
ENSMUSG00000035235.13	643.736374	0.870956517	8.93E-08	3.30E-07	Trim13
ENSMUSG00000069835.10	66.43571347	2.873357702	9.01E-08	3.33E-07	Sat2
ENSMUSG00000036968.15	1268.705912	-0.678800826	9.02E-08	3.34E-07	Cnpy4
ENSMUSG00000019975.12	635.187547	0.871023655	9.04E-08	3.34E-07	lkbp
ENSMUSG00000020868.15	1580.067148	-0.857221149	9.07E-08	3.35E-07	Xylt2
ENSMUSG00000072941.5	26.69404212	4.581226684	9.11E-08	3.37E-07	Sod3
ENSMUSG00000067916.9	962.9223534	-0.72485111	9.17E-08	3.39E-07	RP23-360J20.1
ENSMUSG00000035914.11	2683.629484	-0.901083246	9.20E-08	3.40E-07	Cd276
ENSMUSG00000021639.17	1207.508685	-0.690691266	9.24E-08	3.41E-07	Gtf2h2
ENSMUSG00000104286.1	16.5246464	7.414277042	9.28E-08	3.43E-07	RP23-340C13.5
ENSMUSG00000043924.16	33.8368119	2.893342073	9.31E-08	3.44E-07	Ncmap
ENSMUSG00000002881.14	882.5797196	-1.027510911	9.36E-08	3.46E-07	Nab1
ENSMUSG00000063382.6	764.6239177	1.51305063	9.50E-08	3.51E-07	Bcl9l
ENSMUSG00000019261.3	2282.860411	-0.835728194	9.50E-08	3.51E-07	Map1s
ENSMUSG00000098091.1	102.4063274	-1.470725994	9.53E-08	3.52E-07	RP23-320B10.2
ENSMUSG00000006345.10	76.63876364	-1.506368312	9.55E-08	3.52E-07	Ggt1
ENSMUSG00000051811.14	148.0178756	1.899689809	9.56E-08	3.53E-07	Cox6b2
ENSMUSG00000093553.1	19.53951187	3.194218663	9.62E-08	3.55E-07	RP24-201C14.6
ENSMUSG00000032567.16	283.8444452	-0.932610919	9.66E-08	3.56E-07	Aste1
ENSMUSG00000106110.1	18.8611799	-4.064536611	9.73E-08	3.59E-07	RP23-18K20.2

ENSMUSG00000034282.3	40.93346017	2.419583735	9.74E-08	3.59E-07	Evpl
ENSMUSG00000113664.1	20.94234526	-4.498225105	9.75E-08	3.60E-07	RP23-30B24.3
ENSMUSG00000059839.9	426.3366863	-0.986818473	9.75E-08	3.60E-07	Zfp874b
ENSMUSG00000028902.4	5262.216652	-0.818508727	9.76E-08	3.60E-07	Sf3a3
ENSMUSG00000037062.13	4015.288662	0.912406488	9.78E-08	3.60E-07	Sh3glb1
ENSMUSG00000079499.9	180.7822997	-1.487286741	9.79E-08	3.61E-07	RP23-104G16.1
ENSMUSG00000049106.7	2297.162121	1.358771168	9.84E-08	3.63E-07	Dcaf5
ENSMUSG00000071172.12	18066.95443	-0.844521998	9.86E-08	3.63E-07	Srsf3
ENSMUSG00000031576.16	19.59957834	3.914891961	9.87E-08	3.64E-07	Kcnu1
ENSMUSG00000015023.7	4086.09829	-0.839737427	1.01E-07	3.71E-07	Ddx19a
ENSMUSG00000026617.16	1375.156837	-0.684170882	1.01E-07	3.71E-07	Bpnt1
ENSMUSG000000097428.1	14.01620307	7.177118437	1.01E-07	3.72E-07	RP23-168E14.4
ENSMUSG00000027882.18	467.3183853	-0.963170154	1.01E-07	3.74E-07	Stxbp3
ENSMUSG00000115007.1	43.20713284	2.070008053	1.02E-07	3.74E-07	RP24-260F19.4
ENSMUSG00000043556.10	178.7373565	1.036203141	1.02E-07	3.76E-07	Fbxl7
ENSMUSG00000110404.1	99.70329984	2.080050791	1.03E-07	3.78E-07	Rnf223
ENSMUSG00000016529.5	11.73625733	-7.097649037	1.03E-07	3.80E-07	Ii10
ENSMUSG00000037242.8	9348.012183	-1.14550953	1.03E-07	3.80E-07	Clic4
ENSMUSG00000062296.8	1032.551442	1.927941002	1.04E-07	3.81E-07	Trank1
ENSMUSG00000035024.16	2325.839478	-1.732268225	1.04E-07	3.82E-07	Ncapd3
ENSMUSG00000026112.7	3129.477367	-0.59061299	1.04E-07	3.84E-07	Coa5
ENSMUSG00000044502.16	3641.818879	1.127937312	1.04E-07	3.84E-07	Bod1
ENSMUSG00000024054.13	4939.525513	-1.094885117	1.05E-07	3.86E-07	Smchd1
ENSMUSG00000036918.15	450.2502819	-1.146117978	1.05E-07	3.86E-07	Ttc7
ENSMUSG00000060373.15	17225.96974	-0.863452868	1.05E-07	3.87E-07	Hnrnpc
ENSMUSG00000028572.13	4803.302393	-1.443903091	1.05E-07	3.87E-07	Hook1
ENSMUSG00000015804.14	2416.231298	1.467335094	1.06E-07	3.89E-07	Med28
ENSMUSG00000022742.6	1060.493855	-1.448717536	1.07E-07	3.92E-07	Cpox
ENSMUSG00000030282.14	6980.926729	0.77482702	1.07E-07	3.92E-07	Cmas
ENSMUSG00000114326.1	612.1417904	0.915757653	1.07E-07	3.92E-07	RP23-427N21.1
ENSMUSG00000030750.13	1380.495611	1.639125975	1.07E-07	3.94E-07	Nsmce1
ENSMUSG00000114550.1	29.05043328	-3.503408437	1.07E-07	3.94E-07	RP23-339L20.1
ENSMUSG00000102982.1	19.01639518	-5.919807523	1.07E-07	3.94E-07	RP23-70F22.2
ENSMUSG000000081034.1	63.20963275	-1.723539231	1.08E-07	3.96E-07	RP23-17B8.2
ENSMUSG00000037254.18	11.95213402	6.955462768	1.08E-07	3.97E-07	Ilih2
ENSMUSG00000082884.1	4984.742706	0.820694368	1.08E-07	3.97E-07	RP23-407K8.2
ENSMUSG00000068962.7	140.809338	-1.82252499	1.08E-07	3.97E-07	Zfp114
ENSMUSG00000102562.1	17.38793449	7.487822413	1.09E-07	4.00E-07	RP23-156A3.2
ENSMUSG00000113743.1	1230.323991	1.37897791	1.09E-07	4.00E-07	RP24-323P9.1
ENSMUSG00000063018.6	362.0783518	-1.851481108	1.09E-07	4.01E-07	RP23-207H18.3
ENSMUSG00000078300.3	553.2172726	-1.684617847	1.10E-07	4.02E-07	RP23-41F9.1
ENSMUSG00000078965.5	3941.195162	-1.205720079	1.10E-07	4.03E-07	RP23-403O15.4
ENSMUSG00000093560.2	25.40234403	-2.740401844	1.10E-07	4.04E-07	RP24-91B1.2
ENSMUSG00000022354.4	3778.259208	1.889621957	1.10E-07	4.04E-07	Ndufb9
ENSMUSG00000083380.1	1859.26132	1.392938764	1.10E-07	4.04E-07	AC119884.2
ENSMUSG00000025024.6	2145.603433	-0.702385018	1.10E-07	4.04E-07	Smdnc1
ENSMUSG00000035722.15	429.036404	-1.00027996	1.10E-07	4.04E-07	Abca7
ENSMUSG00000079105.4	14.12325454	7.200184318	1.11E-07	4.07E-07	C7
ENSMUSG00000044469.7	92.85773409	1.51502508	1.11E-07	4.07E-07	Tnfaip81
ENSMUSG00000103082.1	12.23116857	6.986771248	1.12E-07	4.09E-07	RP23-53G15.1
ENSMUSG00000073987.4	472.4985588	1.099443241	1.12E-07	4.10E-07	Ggh
ENSMUSG00000106706.1	27.35344443	4.03515488	1.12E-07	4.10E-07	RP24-360B3.1
ENSMUSG00000025868.6	1551.629804	1.24135214	1.12E-07	4.11E-07	Higd2a
ENSMUSG00000112880.1	30.78148446	2.459340706	1.13E-07	4.12E-07	RP23-168F21.4
ENSMUSG00000092574.4	292.0693825	0.974186091	1.13E-07	4.14E-07	RP23-322O24.4
ENSMUSG00000059824.12	167.8917357	-1.13894166	1.13E-07	4.15E-07	Dbp
ENSMUSG00000023089.12	1925.26247	2.047822688	1.14E-07	4.16E-07	Ndufa5
ENSMUSG00000026197.12	430.494854	1.235320076	1.14E-07	4.18E-07	Zfand2b
ENSMUSG00000083306.1	26.76001475	5.201752384	1.14E-07	4.18E-07	RP23-224E21.2
ENSMUSG00000002274.12	1112.532171	1.603935319	1.15E-07	4.20E-07	Metm
ENSMUSG00000023068.16	5128.767229	-0.710342159	1.16E-07	4.24E-07	Nus1
ENSMUSG00000001755.12	1067.084537	0.959582906	1.16E-07	4.26E-07	Coasy
ENSMUSG00000073639.5	3511.202579	0.749638191	1.17E-07	4.28E-07	Rab18
ENSMUSG00000026620.11	1893.888599	1.215148562	1.18E-07	4.31E-07	Mark1
ENSMUSG00000096146.2	80.44743336	1.896852159	1.19E-07	4.35E-07	Kcnj11
ENSMUSG00000096617.3	3932.331756	-1.205227627	1.20E-07	4.37E-07	RP24-322E6.1
ENSMUSG00000022452.15	2865.245165	1.499926154	1.20E-07	4.39E-07	Smdt1
ENSMUSG00000073408.2	22.39663567	-3.293735003	1.20E-07	4.39E-07	Dpcr1
ENSMUSG00000105568.1	20.91264819	3.816158099	1.21E-07	4.42E-07	RP23-50E10.2
ENSMUSG00000000817.10	21.33425101	5.916052973	1.22E-07	4.44E-07	Fasl
ENSMUSG00000004233.14	293.7016937	-0.985038722	1.23E-07	4.49E-07	Wars2
ENSMUSG00000034998.18	1373.450599	-1.382655075	1.24E-07	4.52E-07	Foxn2
ENSMUSG00000103160.1	14.1261608	7.202256442	1.24E-07	4.53E-07	RP24-428B12.3
ENSMUSG00000084899.1	32.51677324	-2.706649273	1.25E-07	4.55E-07	RP24-238B3.2
ENSMUSG000000059203.10	13.53804129	7.138338253	1.25E-07	4.58E-07	Ii1rapl2
ENSMUSG00000110702.1	22.68417103	3.442561791	1.26E-07	4.59E-07	RP24-97K3.3
ENSMUSG00000111355.1	36.51528724	-2.07653244	1.26E-07	4.60E-07	RP24-170A20.6
ENSMUSG00000093968.1	19.45831168	5.159213934	1.27E-07	4.62E-07	RP23-299A24.1
ENSMUSG00000039382.12	218.3072352	1.388530061	1.27E-07	4.62E-07	Wdr45
ENSMUSG00000030096.8	9026.926205	-1.650144584	1.27E-07	4.63E-07	Slc6a6
ENSMUSG00000040123.17	2211.669802	0.820162881	1.27E-07	4.63E-07	Zmym5
ENSMUSG00000112257.1	29.43187066	7.278168692	1.27E-07	4.64E-07	RP23-443L2.4
ENSMUSG00000016526.8	781.9725245	-0.800678543	1.28E-07	4.67E-07	Dyrk3

ENSMUSG00000021218.10	18242.60202	-0.636273213	1.28E-07	4.68E-07	Gdi2
ENSMUSG00000032218.7	1185.669138	-0.781227603	1.29E-07	4.71E-07	Ccnb2
ENSMUSG00000021466.12	1788.890991	-1.404391596	1.30E-07	4.73E-07	Ptch1
ENSMUSG00000079311.1	54.61073033	-1.717413403	1.30E-07	4.74E-07	RP23-106A16.3
ENSMUSG00000059237.6	1080.494275	-1.17139206	1.30E-07	4.74E-07	Ppp1r2-ps4
ENSMUSG00000025701.12	18.16985972	-4.01752264	1.32E-07	4.80E-07	Alox5
ENSMUSG00000107826.1	11.85281449	6.939388355	1.32E-07	4.80E-07	RP24-568N16.1
ENSMUSG00000018068.13	4364.930587	-1.29993926	1.32E-07	4.81E-07	Ints2
ENSMUSG000000106292.1	12.97405534	7.065920226	1.32E-07	4.81E-07	RP24-299M10.1
ENSMUSG00000062014.13	5900.786358	-0.686043267	1.33E-07	4.83E-07	Gmfb
ENSMUSG00000081373.1	947.9900416	-0.638856989	1.33E-07	4.84E-07	RP23-16G8.1
ENSMUSG00000004462.7	646.9162478	-0.905345416	1.33E-07	4.85E-07	Tbccd1
ENSMUSG00000034022.8	3918.823756	-1.11677551	1.33E-07	4.85E-07	Cpsf1
ENSMUSG00000028730.14	24.31773406	3.04648917	1.34E-07	4.86E-07	Cfap57
ENSMUSG00000044468.14	144.3595724	1.669950617	1.34E-07	4.86E-07	Fam46c
ENSMUSG00000047878.13	29.74566236	2.840017078	1.34E-07	4.87E-07	A4galt
ENSMUSG00000004936.8	2384.807309	-0.960971383	1.34E-07	4.88E-07	Map2k1
ENSMUSG00000091475.2	52.15634751	1.712558894	1.34E-07	4.88E-07	RP24-209I7.2
ENSMUSG00000057666.18	10401.42853	-1.241696927	1.35E-07	4.90E-07	Gapdh
ENSMUSG000000100475.1	23.42486712	4.664255654	1.35E-07	4.93E-07	RP24-202N2.2
ENSMUSG00000029869.7	719.3698412	1.349763305	1.35E-07	4.93E-07	Ephb6
ENSMUSG00000052488.7	3911.534832	-1.519273478	1.36E-07	4.95E-07	Cherp
ENSMUSG00000112754.1	57.54814398	-2.709171718	1.36E-07	4.96E-07	RP23-443B9.3
ENSMUSG000000040594.19	1254.350633	-1.057050249	1.37E-07	4.97E-07	Ranbp17
ENSMUSG00000039115.13	342.8743454	-0.994086184	1.37E-07	4.97E-07	Itga9
ENSMUSG00000069309.2	155.2687562	-2.812225927	1.37E-07	4.99E-07	Hist1h2an
ENSMUSG00000051537.9	418.557665	0.862799419	1.38E-07	5.01E-07	RP23-171J18.1
ENSMUSG00000027351.14	2818.111054	-1.413063053	1.39E-07	5.06E-07	Spred1
ENSMUSG00000019927.6	2459.916597	0.680967662	1.39E-07	5.07E-07	Ube2d1
ENSMUSG00000064918.2	21.67210253	-2.901915541	1.40E-07	5.10E-07	Gm22571
ENSMUSG000000097928.1	20.7854245	3.600493623	1.41E-07	5.11E-07	Gm26578
ENSMUSG00000036672.5	1132.421437	0.711326113	1.41E-07	5.12E-07	Cenpt
ENSMUSG00000028955.3	3890.672773	-0.810299514	1.41E-07	5.12E-07	Vamp3
ENSMUSG000000030154.10	21.45877242	-3.609199033	1.42E-07	5.14E-07	Klrb1f
ENSMUSG00000047786.12	228.8433844	0.97800351	1.42E-07	5.17E-07	Lix1
ENSMUSG00000073551.4	16.87856543	7.444981804	1.42E-07	5.17E-07	Spink13
ENSMUSG000000086804.8	19.48985495	6.680186736	1.43E-07	5.18E-07	RP24-414G20.1
ENSMUSG000000021488.8	4094.694619	-1.591738002	1.44E-07	5.23E-07	Nsd1
ENSMUSG00000070737.10	111.8318212	1.680881243	1.44E-07	5.23E-07	RP23-153M14.8
ENSMUSG00000116097.1	19.74138054	4.776661941	1.44E-07	5.24E-07	RP23-79F10.11
ENSMUSG00000097292.2	22.26930402	3.011937432	1.45E-07	5.27E-07	RP23-445G17.1
ENSMUSG00000002329.7	1238.382728	1.161128422	1.45E-07	5.28E-07	Mdp1
ENSMUSG00000081128.1	1259.55249	-0.618638528	1.46E-07	5.28E-07	RP23-25P15.2
ENSMUSG00000021509.5	12.42775676	7.006878183	1.46E-07	5.29E-07	Slc25a48
ENSMUSG00000108102.1	36.72275256	3.524500183	1.49E-07	5.39E-07	RP23-140M6.3
ENSMUSG00000093847.2	105.339629	-1.292197964	1.49E-07	5.39E-07	RP24-441F13.12
ENSMUSG00000022763.18	117.5511815	-1.599163264	1.49E-07	5.41E-07	Aifm3
ENSMUSG00000052062.14	155.1462993	1.373565144	1.50E-07	5.43E-07	Pard3b
ENSMUSG00000020864.13	3687.702697	-0.855637903	1.50E-07	5.44E-07	Ankrd40
ENSMUSG00000040717.6	3027.692775	-1.400509345	1.53E-07	5.56E-07	Il17rd
ENSMUSG00000083668.1	934.7377008	-1.679051974	1.54E-07	5.58E-07	RP23-162H9.2
ENSMUSG00000028792.14	4997.381309	-0.816511333	1.55E-07	5.60E-07	Ak2
ENSMUSG000000033446.7	356.2279993	1.000113938	1.55E-07	5.60E-07	Lpar6
ENSMUSG00000006676.16	5618.353967	-1.17751212	1.56E-07	5.66E-07	Usp19
ENSMUSG00000049073.7	10.76710787	-6.975319123	1.57E-07	5.68E-07	Olf985
ENSMUSG00000086095.2	30.97813793	4.615323166	1.57E-07	5.68E-07	AC134570.1
ENSMUSG00000055653.13	5785.923686	-0.585556663	1.57E-07	5.69E-07	Gpc3
ENSMUSG00000098749.1	21.95480166	5.950099701	1.58E-07	5.72E-07	Gm27477
ENSMUSG00000112621.1	31.06604613	2.409207651	1.59E-07	5.76E-07	RP24-243A15.6
ENSMUSG000000028943.18	61.45946329	-1.701218757	1.59E-07	5.77E-07	Espn
ENSMUSG00000026241.5	21.63155314	3.085303832	1.59E-07	5.77E-07	Nppc
ENSMUSG00000037266.18	14161.04524	1.123101607	1.61E-07	5.81E-07	Rsrp1
ENSMUSG00000001018.15	986.5468389	0.744368177	1.61E-07	5.82E-07	Snapin
ENSMUSG00000048924.14	85.00356887	-1.645439685	1.61E-07	5.82E-07	Ccdc125
ENSMUSG00000109625.1	12.00781752	6.958830511	1.62E-07	5.88E-07	RP24-137O21.1
ENSMUSG00000042178.6	532.7299045	0.762504111	1.63E-07	5.88E-07	Armc5
ENSMUSG00000115432.1	11.9906017	6.964469953	1.63E-07	5.89E-07	RP24-535H19.1
ENSMUSG000000063268.12	78.90588002	1.764100355	1.63E-07	5.90E-07	Parp10
ENSMUSG00000031255.14	75.16274447	-1.476718782	1.64E-07	5.93E-07	Sytl4
ENSMUSG000000031299.10	13295.30475	-0.618859566	1.64E-07	5.94E-07	Pdha1
ENSMUSG000000015747.5	623.1344726	1.083805902	1.65E-07	5.95E-07	Vps45
ENSMUSG00000005881.13	4455.967331	0.970134883	1.65E-07	5.95E-07	Ergic3
ENSMUSG00000108088.1	13.85137605	7.159349579	1.66E-07	6.01E-07	RP24-385J11.1
ENSMUSG000000055044.12	801.324218	-0.748854565	1.68E-07	6.08E-07	Pdlim1
ENSMUSG00000109156.1	58.18328774	-3.395454302	1.69E-07	6.09E-07	RP23-466J17.3
ENSMUSG000000094145.1	10.83054141	-6.982357104	1.69E-07	6.10E-07	Vmn2r20
ENSMUSG000000030339.7	466.6881841	-0.864915021	1.69E-07	6.10E-07	Ltbr
ENSMUSG000000079197.10	1159.540351	1.754162138	1.71E-07	6.16E-07	Psme2
ENSMUSG000000071398.8	55.13439649	-2.111022159	1.71E-07	6.17E-07	RP23-156N21.2
ENSMUSG000000032030.16	3430.433285	-0.850564321	1.71E-07	6.18E-07	Cul5
ENSMUSG00000027502.11	2514.294758	0.931673959	1.72E-07	6.21E-07	Rtfdc1
ENSMUSG000000036587.13	12.27014897	6.997922259	1.73E-07	6.23E-07	Fut7
ENSMUSG000000042410.16	5008.446451	-1.22664226	1.73E-07	6.24E-07	Agps

ENSMUSG00000116847.1	46.43298437	-1.970087346	1.74E-07	6.27E-07	RP23-71E4.7
ENSMUSG00000062077.14	22.24965203	-3.786792066	1.74E-07	6.29E-07	Trim54
ENSMUSG00000027131.3	2317.085309	1.099516603	1.75E-07	6.32E-07	Emc4
ENSMUSG00000029486.13	1390.898249	-1.028758498	1.76E-07	6.34E-07	Mrpl1
ENSMUSG00000037752.4	183.3561084	-1.032510829	1.76E-07	6.35E-07	Xkr8
ENSMUSG00000027203.15	5662.81261	-1.41121669	1.77E-07	6.37E-07	Dut
ENSMUSG00000037426.17	1482.396408	-1.0697817	1.77E-07	6.38E-07	Depdc5
ENSMUSG00000052419.7	805.011932	-1.191401928	1.77E-07	6.38E-07	RP23-440D19.2
ENSMUSG00000035107.13	5639.16601	-0.990862498	1.77E-07	6.38E-07	Dcbld2
ENSMUSG00000040537.17	1368.695579	1.608338844	1.77E-07	6.39E-07	Adam22
ENSMUSG00000078350.11	209.6930209	1.173749512	1.78E-07	6.40E-07	Smim1
ENSMUSG00000020940.13	40.16081112	2.517292746	1.79E-07	6.43E-07	RP23-341C5.3
ENSMUSG00000061991.2	159.9797347	-2.802782078	1.79E-07	6.44E-07	Hist1h2af
ENSMUSG00000055720.10	1373.726882	0.679837945	1.79E-07	6.45E-07	Ubl7
ENSMUSG00000028062.15	1780.860972	1.55494755	1.79E-07	6.46E-07	Lamtor2
ENSMUSG000000089542.1	34.37600667	-2.131130891	1.79E-07	6.46E-07	Gm25835
ENSMUSG00000006699.17	19984.41394	0.770580168	1.79E-07	6.46E-07	Cdc42
ENSMUSG00000029073.9	1006.053883	0.671401876	1.80E-07	6.47E-07	Cptp
ENSMUSG00000027198.16	2093.869811	0.897776751	1.81E-07	6.51E-07	Ext2
ENSMUSG00000102252.5	21279.56908	-0.764110521	1.81E-07	6.51E-07	Snrpn
ENSMUSG00000027966.20	787.7482511	1.706544008	1.82E-07	6.53E-07	Col11a1
ENSMUSG00000097254.1	19.7048008	-4.677429339	1.82E-07	6.55E-07	C430042M11Rik
ENSMUSG00000032456.13	22.25424624	3.139128049	1.82E-07	6.56E-07	Nmnat3
ENSMUSG00000104671.1	52.96649086	2.369981517	1.83E-07	6.58E-07	RP23-106G24.2
ENSMUSG00000020393.16	1118.131547	-1.180291869	1.83E-07	6.60E-07	Kremen1
ENSMUSG00000103562.1	14.06483739	7.181295674	1.84E-07	6.62E-07	RP23-162G11.3
ENSMUSG00000035021.13	1549.300887	-0.947003363	1.84E-07	6.63E-07	Baz1a
ENSMUSG00000032121.9	314.6428979	1.514136968	1.85E-07	6.65E-07	Tmem218
ENSMUSG00000046610.14	27.16191376	5.257803694	1.86E-07	6.68E-07	Oacyl
ENSMUSG00000019883.11	723.9612287	-0.857005725	1.86E-07	6.69E-07	Echdc1
ENSMUSG00000101173.1	35.87932115	-2.617230416	1.86E-07	6.69E-07	RP23-275F9.1
ENSMUSG00000092230.1	384.3397882	-1.013655063	1.86E-07	6.70E-07	RP23-244N5.1
ENSMUSG00000075015.3	13.80688464	7.155115671	1.87E-07	6.72E-07	Gm10801
ENSMUSG00000110635.1	20.00987618	-3.267725802	1.88E-07	6.74E-07	RP23-424A21.4
ENSMUSG00000090449.1	12.19191123	6.98541428	1.88E-07	6.74E-07	RP23-15A12.2
ENSMUSG00000027944.13	2226.47568	-0.853578766	1.88E-07	6.76E-07	Hax1
ENSMUSG00000025348.9	111.5730133	1.298471288	1.89E-07	6.77E-07	Itga7
ENSMUSG00000038485.5	2965.22456	0.823936419	1.89E-07	6.79E-07	Socs7
ENSMUSG00000024896.8	3845.777992	-0.695290913	1.90E-07	6.83E-07	Minpp1
ENSMUSG00000040557.14	287.596342	-0.971454705	1.90E-07	6.83E-07	Wbscr27
ENSMUSG00000030428.16	611.8849952	-1.028263425	1.90E-07	6.83E-07	Ttyh1
ENSMUSG00000078153.3	2036.876911	1.737981613	1.91E-07	6.84E-07	Psme2b
ENSMUSG00000096372.1	12.48337454	7.010275473	1.91E-07	6.86E-07	RP24-63B17.7
ENSMUSG00000018634.10	50.98020884	2.321754708	1.91E-07	6.86E-07	Cchr1
ENSMUSG00000085762.1	33.70103869	-4.205905547	1.92E-07	6.87E-07	Lrrc75aos2
ENSMUSG00000026247.13	181.5764803	1.160657554	1.92E-07	6.88E-07	Ecel1
ENSMUSG00000025337.10	1771.060481	-0.687718105	1.93E-07	6.92E-07	Sbds
ENSMUSG00000033857.12	544.8063886	-0.949786271	1.93E-07	6.92E-07	Engase
ENSMUSG00000026974.11	2749.356558	-0.62216696	1.94E-07	6.94E-07	Zmynd19
ENSMUSG00000031292.14	1434.047975	-1.192023183	1.94E-07	6.94E-07	Cdkl5
ENSMUSG00000048988.8	109.7452367	1.692390186	1.95E-07	6.98E-07	Elfn1
ENSMUSG00000013997.10	886.9483696	0.677414301	1.97E-07	7.05E-07	Nit1
ENSMUSG00000022468.12	19.14368094	-3.213906575	1.97E-07	7.06E-07	Endou
ENSMUSG00000002803.14	459.9588601	0.811975981	1.97E-07	7.07E-07	Btbd6
ENSMUSG00000027457.15	566.5928313	1.482017822	1.98E-07	7.09E-07	Snph
ENSMUSG00000044033.16	43.19946468	2.81118466	1.98E-07	7.10E-07	Ccdc141
ENSMUSG00000006050.11	2717.736336	0.816953761	1.99E-07	7.12E-07	Sra1
ENSMUSG00000097791.1	16.49310554	4.167069052	1.99E-07	7.12E-07	Gm17315
ENSMUSG00000020087.5	813.9705225	0.834057181	2.00E-07	7.15E-07	Tysnd1
ENSMUSG000000086126.1	21.27326584	3.484872344	2.00E-07	7.15E-07	Evx1os
ENSMUSG00000020280.12	2137.848931	-0.808834387	2.00E-07	7.16E-07	Pus10
ENSMUSG00000022889.7	1865.181388	-0.720180953	2.00E-07	7.16E-07	Mrpl39
ENSMUSG00000031283.16	581.2681971	-1.338754062	2.00E-07	7.16E-07	Chrdl1
ENSMUSG00000025066.9	5577.045434	-0.764933648	2.01E-07	7.18E-07	Sfr1
ENSMUSG00000006005.18	9782.55173	-1.276773311	2.01E-07	7.19E-07	Tpr
ENSMUSG00000028069.16	1922.792759	-1.042979751	2.02E-07	7.23E-07	Gpatch4
ENSMUSG00000021273.10	4608.368127	0.861798977	2.03E-07	7.24E-07	Fdft1
ENSMUSG00000050288.6	1423.509964	-0.700274068	2.03E-07	7.25E-07	Fzd2
ENSMUSG00000053205.9	1588.564629	-0.980871517	2.03E-07	7.26E-07	Styx
ENSMUSG00000029510.15	321.4873481	1.672373816	2.05E-07	7.32E-07	Gpc2
ENSMUSG00000103149.1	26.12268537	2.864110507	2.06E-07	7.36E-07	RP23-372H6.7
ENSMUSG00000095872.7	50.24300901	-2.027619793	2.06E-07	7.37E-07	RP23-327E13.2
ENSMUSG00000025184.10	761.8174305	-0.819230372	2.06E-07	7.37E-07	R3hcc1l
ENSMUSG00000037754.13	429.6212347	1.016831977	2.06E-07	7.37E-07	Ppp1r16b
ENSMUSG00000113072.1	414.7811782	-0.960684697	2.07E-07	7.39E-07	RP24-309L4.4
ENSMUSG00000015889.8	2839.013924	-0.621762039	2.08E-07	7.41E-07	Lta4h
ENSMUSG00000017677.11	6944.435446	0.990425656	2.08E-07	7.44E-07	Wsb1
ENSMUSG00000032673.5	649.3909467	-1.391428277	2.10E-07	7.48E-07	Prorsd1
ENSMUSG00000033855.15	268.0617224	-1.973123667	2.10E-07	7.48E-07	Ston1
ENSMUSG00000068580.11	808.7171381	1.355116051	2.10E-07	7.49E-07	Zfyve19
ENSMUSG00000041831.16	20.68290265	-2.778464686	2.10E-07	7.51E-07	Sytl3
ENSMUSG00000102533.1	37.09871445	2.45045593	2.11E-07	7.54E-07	RP23-46B12.6
ENSMUSG00000104892.1	26.67423047	-2.68058958	2.12E-07	7.57E-07	RP23-297D16.2

ENSMUSG00000000889.8	12.7519655	7.05421383	2.12E-07	7.57E-07	Dbh
ENSMUSG000000080709.1	25.08587873	3.314361617	2.12E-07	7.58E-07	RP23-389L22.1
ENSMUSG000000002768.7	2234.886435	1.288145733	2.13E-07	7.58E-07	Mea1
ENSMUSG000000027316.15	18.68003822	4.702674682	2.14E-07	7.63E-07	Gfra4
ENSMUSG000000085586.1	23.29234439	6.036312774	2.15E-07	7.65E-07	RP23-94N18.4
ENSMUSG000000054360.4	11.66895655	6.925584768	2.15E-07	7.68E-07	Bsx
ENSMUSG00000000730.13	16.37209936	-6.60393176	2.16E-07	7.69E-07	Dnmt3l
ENSMUSG000000052707.8	6072.201892	-0.561109234	2.16E-07	7.70E-07	Tnrc6a
ENSMUSG000000065734.1	91.6320985	-1.482426311	2.16E-07	7.70E-07	Snord49a
ENSMUSG000000030245.10	4206.721833	-0.573733525	2.18E-07	7.77E-07	Golt1b
ENSMUSG000000028826.14	5624.053441	0.801835065	2.18E-07	7.78E-07	Tmem57
ENSMUSG000000040236.4	1995.247892	0.990147035	2.18E-07	7.78E-07	Trappc5
ENSMUSG000000039853.18	26.14061074	-2.538754866	2.19E-07	7.80E-07	Trim14
ENSMUSG000000072476.6	748.8092744	-0.775871436	2.19E-07	7.80E-07	RP23-472G22.1
ENSMUSG000000072675.12	322.0516082	-1.086248336	2.19E-07	7.81E-07	Duxbl2
ENSMUSG000000082809.3	64802.21838	0.685344965	2.19E-07	7.81E-07	RP23-419G21.1
ENSMUSG000000037375.16	75.40142796	1.406981716	2.22E-07	7.91E-07	Hhat
ENSMUSG000000024947.16	2220.489351	-0.808953982	2.23E-07	7.93E-07	Men1
ENSMUSG000000024067.13	2734.631498	-1.308373844	2.23E-07	7.93E-07	Dpy30
ENSMUSG000000103034.1	17081.86583	1.183268765	2.23E-07	7.93E-07	RP23-478I18.1
ENSMUSG000000032892.14	1218.489042	-1.749782621	2.24E-07	7.96E-07	Rangrf
ENSMUSG000000020878.6	23.22715324	2.964088722	2.24E-07	7.97E-07	Lrrc46
ENSMUSG000000071281.12	678.3231879	-0.966825517	2.24E-07	7.98E-07	Zfp65
ENSMUSG000000021067.8	1271.06555	-1.00546221	2.25E-07	8.00E-07	Sav1
ENSMUSG000000087598.9	601.0566004	-1.653376222	2.26E-07	8.02E-07	Zfp111
ENSMUSG000000084370.3	95.8617161	-2.367316687	2.26E-07	8.04E-07	AC133938.1
ENSMUSG000000039539.13	18.97293987	6.641051705	2.27E-07	8.07E-07	Sgcz
ENSMUSG000000047959.4	46.50833407	-3.159666259	2.28E-07	8.12E-07	Kcna3
ENSMUSG000000030894.5	1806.196467	-1.033177906	2.29E-07	8.14E-07	Tpp1
ENSMUSG000000115632.1	28.98402146	2.425239267	2.29E-07	8.14E-07	RP23-216H22.7
ENSMUSG000000072479.10	13.38410486	7.109527304	2.30E-07	8.19E-07	Xlr5b
ENSMUSG000000067148.15	2799.34475	-1.066026546	2.32E-07	8.23E-07	Polr1c
ENSMUSG000000106831.1	2062.758132	-0.768009196	2.32E-07	8.24E-07	Ube2n-ps1
ENSMUSG000000026918.16	6932.435751	0.681103449	2.34E-07	8.31E-07	Brd3
ENSMUSG000000116924.1	14.79260958	-4.529378075	2.37E-07	8.43E-07	RP23-263M5.4
ENSMUSG000000032182.15	244.6225514	1.024672899	2.38E-07	8.46E-07	Yipf2
ENSMUSG000000038668.14	403.1741783	0.950933545	2.39E-07	8.48E-07	Lpar1
ENSMUSG000000026775.9	6891.833636	-0.698440939	2.39E-07	8.49E-07	Yme111
ENSMUSG000000073414.8	10.24101159	-6.903146998	2.40E-07	8.53E-07	G6b
ENSMUSG000000113440.1	40.77310427	2.137483998	2.41E-07	8.54E-07	RP23-16H24.5
ENSMUSG000000005968.14	252.5019271	1.247219095	2.41E-07	8.54E-07	Tuft1
ENSMUSG000000085763.1	21.4444422	5.305884614	2.42E-07	8.61E-07	Smc2os
ENSMUSG000000050737.13	91.47764957	-2.08858932	2.44E-07	8.64E-07	Ptges
ENSMUSG000000041124.11	4097.15857	0.624603678	2.44E-07	8.66E-07	Msantd4
ENSMUSG000000026890.19	121.4781228	1.297328445	2.45E-07	8.69E-07	Lhx6
ENSMUSG000000071646.9	5146.702607	-0.719947456	2.46E-07	8.73E-07	Mta2
ENSMUSG000000078684.8	6157.143701	-1.866416704	2.47E-07	8.77E-07	AC134246.2
ENSMUSG000000055053.18	337.1235906	1.385715932	2.49E-07	8.82E-07	Nfic
ENSMUSG000000086606.1	119.3779554	1.348978428	2.50E-07	8.87E-07	RP23-230I5.2
ENSMUSG000000055782.9	203.955065	-1.022143898	2.50E-07	8.87E-07	Abcd2
ENSMUSG000000034269.12	9930.021954	-1.625787389	2.50E-07	8.88E-07	Setd5
ENSMUSG000000041491.7	1303.643132	-0.851117708	2.51E-07	8.91E-07	Cep78
ENSMUSG000000091764.3	223.9241613	-1.012923592	2.52E-07	8.94E-07	Zfp964
ENSMUSG000000024885.8	18.00478349	4.008853939	2.53E-07	8.97E-07	Aldh3b1
ENSMUSG000000037474.13	2693.319244	-0.696528648	2.54E-07	9.00E-07	Dtl
ENSMUSG000000094017.1	1877.008358	-1.060509291	2.54E-07	9.00E-07	RP23-365O6.1
ENSMUSG000000031862.10	3192.319996	-1.084723906	2.54E-07	9.01E-07	Atp13a1
ENSMUSG000000074182.8	1547.474607	-0.758792992	2.57E-07	9.09E-07	Znhit6
ENSMUSG000000039849.5	1286.749659	0.916413314	2.58E-07	9.14E-07	Pcif1
ENSMUSG000000033728.14	970.6848024	0.919218018	2.58E-07	9.15E-07	Lrrc14
ENSMUSG000000023192.12	22.22804503	4.097238102	2.59E-07	9.16E-07	Grm2
ENSMUSG000000021957.7	13199.48538	-0.714179294	2.62E-07	9.27E-07	Tkt
ENSMUSG000000090336.5	10.77788015	6.805129367	2.63E-07	9.31E-07	RP23-20K21.1
ENSMUSG000000025202.7	749.9351076	-2.503502397	2.63E-07	9.32E-07	Scd3
ENSMUSG000000029022.18	1610.401413	-0.801802207	2.64E-07	9.33E-07	Miip
ENSMUSG000000096977.2	127.4950146	2.53551245	2.65E-07	9.37E-07	RP23-143D12.2
ENSMUSG000000023456.15	19290.97298	-1.223797531	2.65E-07	9.37E-07	Tpi1
ENSMUSG000000046410.10	46.18365141	-2.172001646	2.65E-07	9.38E-07	Kcnk6
ENSMUSG000000032021.14	10.92401891	6.82811328	2.66E-07	9.40E-07	Crtam
ENSMUSG000000024539.17	1272.267372	-0.619515807	2.66E-07	9.40E-07	Ptpn2
ENSMUSG000000023330.12	327.5641564	-0.868984356	2.66E-07	9.41E-07	Dtw1
ENSMUSG000000045519.15	437.9470934	0.939752697	2.68E-07	9.48E-07	Zfp560
ENSMUSG000000017550.14	3116.748643	-1.249967823	2.69E-07	9.52E-07	Atad5
ENSMUSG000000033004.15	3304.646795	0.815019117	2.71E-07	9.56E-07	Mycbp2
ENSMUSG0000000106753.1	28.87276467	5.757250917	2.71E-07	9.59E-07	RP23-319P12.2
ENSMUSG000000079017.3	17.01847273	-4.088680209	2.72E-07	9.60E-07	Ifi2712a
ENSMUSG000000023963.9	303.9535471	-0.989514961	2.73E-07	9.63E-07	Cyp39a1
ENSMUSG000000070934.6	3427.490114	0.583604174	2.75E-07	9.70E-07	Rraga
ENSMUSG000000035048.13	1118.946033	1.687746053	2.75E-07	9.73E-07	Anapc13
ENSMUSG000000050222.11	124.259299	1.734374733	2.77E-07	9.77E-07	Il17d
ENSMUSG000000026088.15	352.4794573	-0.850117402	2.78E-07	9.82E-07	Mitf1
ENSMUSG000000025277.14	318.2562637	0.837356527	2.78E-07	9.83E-07	Abhd6
ENSMUSG000000097464.1	69.43031633	2.930620852	2.79E-07	9.85E-07	RP23-175C13.4

ENSMUSG00000098318.7	201.8433985	2.013971173	2.79E-07	9.85E-07	Lockd
ENSMUSG00000026939.12	297.3442941	1.796721646	2.79E-07	9.85E-07	Tmem141
ENSMUSG00000015401.12	17.58857791	6.533344895	2.80E-07	9.89E-07	Tmem27
ENSMUSG00000037820.15	115.9551761	-1.379529179	2.80E-07	9.89E-07	Tgm2
ENSMUSG00000019984.16	2714.215334	-1.489312891	2.81E-07	9.92E-07	Med23
ENSMUSG00000039166.16	276.1078818	1.002429247	2.82E-07	9.95E-07	Akap7
ENSMUSG00000019831.14	2221.382232	0.776068419	2.84E-07	1.00E-06	Wasf1
ENSMUSG00000020634.12	767.5830004	-1.271843054	2.85E-07	1.01E-06	Ubxn2a
ENSMUSG00000021796.15	3777.309231	-1.187363418	2.86E-07	1.01E-06	Bmpr1a
ENSMUSG0000006021.5	628.6218601	1.029255669	2.86E-07	1.01E-06	Kptn
ENSMUSG00000103857.1	92.03422344	1.551199338	2.87E-07	1.01E-06	RP23-114N1.5
ENSMUSG00000037119.4	5288.887307	-1.157226248	2.87E-07	1.01E-06	Fam91a1
ENSMUSG00000043015.15	463.8192632	-1.054498468	2.88E-07	1.02E-06	Tmem194b
ENSMUSG00000071072.12	9818.132279	-1.133431026	2.90E-07	1.02E-06	Ptges3
ENSMUSG00000022299.9	723.8513688	-0.734756216	2.90E-07	1.02E-06	Slc25a32
ENSMUSG00000023393.15	31.47001024	2.169337595	2.91E-07	1.03E-06	Slc17a9
ENSMUSG00000108137.1	72.26357775	1.921356151	2.93E-07	1.03E-06	RP23-392K24.5
ENSMUSG00000022428.8	970.0823931	1.213881947	2.93E-07	1.03E-06	Cby1
ENSMUSG00000036155.13	1313.953969	1.562098716	2.93E-07	1.03E-06	Mgat5
ENSMUSG00000111876.1	148.7362083	-1.011440616	2.94E-07	1.04E-06	RP23-255F14.9
ENSMUSG00000024163.17	3771.997455	1.397658993	2.95E-07	1.04E-06	Mapk8ip3
ENSMUSG00000044361.16	18.4825144	3.817807605	2.96E-07	1.04E-06	AC110211.1
ENSMUSG00000087479.1	33.80738175	2.577392816	2.96E-07	1.04E-06	RP24-414E6.2
ENSMUSG00000087819.1	15.68988107	-4.006441027	2.96E-07	1.04E-06	Gm25117
ENSMUSG00000031988.10	3525.995437	0.953759668	2.97E-07	1.05E-06	Vps26b
ENSMUSG00000050035.7	44.68316114	2.168031437	2.98E-07	1.05E-06	Fhl4
ENSMUSG00000098120.1	46.2060385	2.245488555	2.99E-07	1.05E-06	RP24-242N1.1
ENSMUSG00000029075.6	84.63568103	1.462319268	2.99E-07	1.05E-06	Tnfrsf4
ENSMUSG00000073481.9	919.0624882	1.190407539	3.00E-07	1.05E-06	02_Mrz
ENSMUSG00000030082.14	11076.95188	-0.780603685	3.00E-07	1.06E-06	Sec61a1
ENSMUSG00000032741.9	1271.693636	-1.234478476	3.00E-07	1.06E-06	Tpcn1
ENSMUSG00000031226.13	2255.570473	-1.293521727	3.01E-07	1.06E-06	Pbdc1
ENSMUSG00000067150.5	4454.380219	-1.829689924	3.01E-07	1.06E-06	Xpo5
ENSMUSG00000028114.16	1422.520769	-0.716543986	3.03E-07	1.06E-06	Mettl14
ENSMUSG00000030216.12	6887.826075	-1.0474286	3.04E-07	1.07E-06	Wbp11
ENSMUSG00000075297.10	41.98721059	-3.482463023	3.06E-07	1.08E-06	H60b
ENSMUSG00000093673.1	30.86864598	3.781529162	3.09E-07	1.08E-06	RP23-333M1.4
ENSMUSG00000051236.13	209.5436618	0.926383742	3.09E-07	1.09E-06	Msrb3
ENSMUSG00000062073.6	17.32778462	6.510932567	3.10E-07	1.09E-06	RP23-184D18.6
ENSMUSG00000082550.1	413.1670471	1.39228129	3.10E-07	1.09E-06	RP23-416K12.2
ENSMUSG00000096645.1	9.97999264	-6.863820254	3.10E-07	1.09E-06	Spin2e
ENSMUSG00000107736.1	18.47810467	5.086689153	3.12E-07	1.10E-06	RP23-27C9.6
ENSMUSG00000113137.1	360.6389054	-1.376193459	3.13E-07	1.10E-06	RP24-226N22.4
ENSMUSG00000026831.16	78.7377526	1.709335917	3.15E-07	1.11E-06	RP23-430H1.2
ENSMUSG00000077903.1	10.20829186	-6.895353362	3.17E-07	1.11E-06	Mir294
ENSMUSG00000041000.8	487.0081569	1.662603025	3.18E-07	1.12E-06	Trim62
ENSMUSG00000094530.2	9494.532715	-1.31059681	3.21E-07	1.12E-06	RP24-122D14.2
ENSMUSG00000038156.16	2164.86755	-1.477291827	3.23E-07	1.13E-06	Spon1
ENSMUSG00000020424.3	528.916982	-1.206540677	3.24E-07	1.14E-06	Gatsl3
ENSMUSG00000086191.1	13.46467041	7.12100663	3.25E-07	1.14E-06	Zfp652os
ENSMUSG00000052369.8	379.9023823	1.005290176	3.28E-07	1.15E-06	Tmem106c
ENSMUSG00000049950.6	314.3391284	-0.906572617	3.29E-07	1.15E-06	Rpp38
ENSMUSG00000107230.1	16.62368576	4.16115666	3.29E-07	1.15E-06	RP23-345O17.5
ENSMUSG00000034957.10	97.29032311	-1.285752648	3.33E-07	1.17E-06	Cebpa
ENSMUSG00000032342.13	683.3243949	-1.218665515	3.34E-07	1.17E-06	Mto1
ENSMUSG00000034175.13	1287.710399	1.09384423	3.37E-07	1.18E-06	Rhbdd3
ENSMUSG00000036223.15	440.2034379	-1.345750698	3.39E-07	1.19E-06	Ska1
ENSMUSG00000090071.4	651.3374353	0.893561363	3.41E-07	1.19E-06	Cdk5r2
ENSMUSG00000039623.13	454.8815266	1.067381273	3.42E-07	1.20E-06	Ap5z1
ENSMUSG00000084809.1	15.84288844	7.353270069	3.44E-07	1.20E-06	RP23-300P20.1
ENSMUSG00000032526.11	639.8623746	1.799920605	3.46E-07	1.21E-06	Ss18l2
ENSMUSG00000032889.6	331.2131476	-2.000107902	3.47E-07	1.22E-06	Gm6685
ENSMUSG00000116270.1	17.97036777	-5.861916538	3.49E-07	1.22E-06	RP23-359C9.3
ENSMUSG00000037012.18	2629.193857	1.263279075	3.51E-07	1.23E-06	Hk1
ENSMUSG00000026096.14	488.7650601	-0.760821185	3.51E-07	1.23E-06	Osgepl1
ENSMUSG00000020926.16	979.9360916	1.431601534	3.52E-07	1.23E-06	Adam11
ENSMUSG00000110165.1	20.26969973	4.184854693	3.52E-07	1.23E-06	RP23-121M22.6
ENSMUSG00000039244.10	1457.83236	-0.647609772	3.52E-07	1.23E-06	AC123686.4
ENSMUSG00000030660.9	2457.352493	-1.199346937	3.53E-07	1.23E-06	Pik3c2a
ENSMUSG00000050965.14	585.0381086	1.38956877	3.54E-07	1.24E-06	Prkca
ENSMUSG00000059326.6	129.6193356	2.170635071	3.55E-07	1.24E-06	Csf2ra
ENSMUSG00000016664.16	1656.763445	-1.100971461	3.58E-07	1.25E-06	Pacsin2
ENSMUSG00000061979.8	1166.730135	-0.813548236	3.58E-07	1.25E-06	Rcc1l
ENSMUSG00000097416.3	62.18317918	2.542384517	3.61E-07	1.26E-06	WI1-2736D10.2
ENSMUSG00000041794.13	248.2876159	1.579987837	3.62E-07	1.27E-06	Myrip
ENSMUSG00000035941.15	3269.850262	-0.949677122	3.63E-07	1.27E-06	Ibtk
ENSMUSG00000029635.15	3119.069989	-0.884954621	3.64E-07	1.27E-06	Cdk8
ENSMUSG00000026220.6	278.9777207	2.605845498	3.68E-07	1.29E-06	Slc16a14
ENSMUSG00000038422.2	186.694939	1.297791327	3.69E-07	1.29E-06	Hdh3
ENSMUSG00000081390.1	185.1845767	-1.183122107	3.69E-07	1.29E-06	RP23-333P16.2
ENSMUSG00000082618.1	9.593672876	-6.807789164	3.70E-07	1.29E-06	RP23-404M22.3
ENSMUSG00000097736.8	18.6144446	3.821710248	3.70E-07	1.29E-06	RP23-361B11.2
ENSMUSG00000033985.17	203.3515857	-1.096486489	3.70E-07	1.29E-06	Tesk2

ENSMUSG00000041997.16	3127.202159	-1.162294253	3.71E-07	1.29E-06	Tlk1
ENSMUSG00000018449.12	726.6703715	0.872070671	3.71E-07	1.30E-06	Rpain
ENSMUSG00000033502.14	489.0915769	-1.208597491	3.71E-07	1.30E-06	Cdc14a
ENSMUSG00000017421.18	9679.283418	-0.989436173	3.72E-07	1.30E-06	Zfp207
ENSMUSG00000042628.8	1276.191668	1.262987116	3.72E-07	1.30E-06	Zfyve1
ENSMUSG00000074876.5	173.1183918	-1.176164053	3.73E-07	1.30E-06	Spata511
ENSMUSG00000041650.15	362.2866254	-0.79822661	3.74E-07	1.31E-06	Pcca
ENSMUSG00000046079.16	1985.27498	0.995296283	3.75E-07	1.31E-06	Lrrc8d
ENSMUSG00000103400.2	18.8531891	6.638651168	3.75E-07	1.31E-06	AC161807.4
ENSMUSG00000109286.1	12.96365291	7.063193302	3.77E-07	1.31E-06	RP23-121F17.2
ENSMUSG00000001983.7	536.4865962	-0.819696185	3.77E-07	1.32E-06	Taco1
ENSMUSG00000114375.1	64.18827975	-2.087869774	3.80E-07	1.33E-06	RP24-482L4.4
ENSMUSG00000071719.2	693.9651886	-1.247791525	3.81E-07	1.33E-06	Tmem28
ENSMUSG00000095648.7	821.7640783	-1.677206018	3.84E-07	1.34E-06	RP23-83O23.2
ENSMUSG00000079387.10	66.84619186	-1.769222449	3.84E-07	1.34E-06	Luzp4
ENSMUSG00000022820.4	1066.548424	1.359545646	3.86E-07	1.35E-06	Ndufb4
ENSMUSG00000034538.8	147.6343761	-1.464110863	3.86E-07	1.35E-06	Zfp418
ENSMUSG00000070522.4	355.6792487	-0.934904911	3.87E-07	1.35E-06	RP24-388D8.2
ENSMUSG00000016477.18	2384.971721	-1.307071529	3.89E-07	1.35E-06	E2f3
ENSMUSG00000034807.9	3381.768636	-0.834850638	3.89E-07	1.36E-06	Colgalt1
ENSMUSG00000024963.11	205.9119869	1.237861249	3.89E-07	1.36E-06	Dnajc4
ENSMUSG00000026201.12	1962.049269	0.717777031	3.89E-07	1.36E-06	Stk16
ENSMUSG00000111817.1	51.43279356	1.814789404	3.91E-07	1.36E-06	RP23-340G24.8
ENSMUSG00000056900.13	568.4055008	0.769021547	3.94E-07	1.37E-06	Usp13
ENSMUSG00000112734.1	18.81140088	2.995430897	3.94E-07	1.37E-06	RP23-349H12.7
ENSMUSG00000038195.6	37.26714005	2.252446992	3.95E-07	1.38E-06	Rilp
ENSMUSG000000091744.1	17.05500958	6.495515948	3.96E-07	1.38E-06	Gm17732
ENSMUSG00000053263.3	16.79123725	4.196524474	3.98E-07	1.39E-06	RP23-191E3.17
ENSMUSG00000014351.12	10.98566043	6.826202302	3.99E-07	1.39E-06	Gjp
ENSMUSG00000032586.9	1149.036828	-0.692005373	4.01E-07	1.39E-06	Traip
ENSMUSG00000025239.3	1447.72825	-0.695332324	4.01E-07	1.39E-06	Limd1
ENSMUSG00000053279.7	20.40581894	3.401278681	4.02E-07	1.40E-06	Aldh1a1
ENSMUSG00000054520.15	533.239469	1.271706974	4.02E-07	1.40E-06	Sh3bp2
ENSMUSG00000033128.9	1372.842619	0.682209763	4.03E-07	1.40E-06	Gga1
ENSMUSG00000015484.3	18.47673552	5.692299497	4.04E-07	1.40E-06	Fam163a
ENSMUSG00000106246.1	247.1111365	-0.993053322	4.06E-07	1.41E-06	RP23-1B20.3
ENSMUSG00000009092.5	22.63397362	-2.601115852	4.09E-07	1.42E-06	Der13
ENSMUSG00000031154.15	3577.874381	-0.835004493	4.09E-07	1.42E-06	Otud5
ENSMUSG00000112945.1	19.70994178	5.796587832	4.09E-07	1.42E-06	RP23-306C18.1
ENSMUSG00000029438.9	1557.692918	1.157818009	4.10E-07	1.43E-06	Bcl7a
ENSMUSG00000034551.12	987.548816	-1.622328292	4.11E-07	1.43E-06	Hdx
ENSMUSG00000061048.8	298.4251752	-0.951215366	4.11E-07	1.43E-06	Cdh3
ENSMUSG00000026638.15	69.94139779	-2.181263622	4.11E-07	1.43E-06	Irf6
ENSMUSG00000041763.14	4527.922312	-1.301449593	4.13E-07	1.43E-06	Tpp2
ENSMUSG00000112855.1	20.55141707	-3.399637645	4.14E-07	1.44E-06	RP24-147J7.4
ENSMUSG00000058586.12	249.6636906	1.362124361	4.17E-07	1.45E-06	Serhl
ENSMUSG00000057367.12	2008.183322	-0.585273053	4.20E-07	1.46E-06	Birc2
ENSMUSG00000025380.2	51.27300538	2.944041382	4.23E-07	1.47E-06	Fscn2
ENSMUSG00000024037.12	1708.859662	-0.903399486	4.25E-07	1.47E-06	Wdr4
ENSMUSG00000030545.9	287.5168225	-0.845236058	4.25E-07	1.47E-06	Pex11a
ENSMUSG00000052013.15	66.3033811	1.857556229	4.25E-07	1.47E-06	Btla
ENSMUSG00000039496.8	42.9901564	1.938225055	4.25E-07	1.48E-06	Cdnf
ENSMUSG00000106320.1	48.98375947	2.669842088	4.26E-07	1.48E-06	RP24-95O4.1
ENSMUSG00000024325.8	486.60343	0.848362221	4.28E-07	1.48E-06	Ring1
ENSMUSG00000113515.1	39.1053355	3.270202093	4.28E-07	1.48E-06	RP23-213G18.5
ENSMUSG00000029097.11	396.3436905	-1.283571328	4.28E-07	1.49E-06	Trmt44
ENSMUSG00000062908.12	1875.989506	-0.556707869	4.29E-07	1.49E-06	Acadm
ENSMUSG00000022855.9	3773.838619	-0.739058092	4.29E-07	1.49E-06	Senp2
ENSMUSG00000026436.15	709.6901865	-0.940933321	4.32E-07	1.50E-06	Elk4
ENSMUSG00000020107.10	2019.150844	1.215684113	4.35E-07	1.51E-06	Anapc16
ENSMUSG00000028433.14	6425.65233	-1.557391772	4.37E-07	1.52E-06	Ubap2
ENSMUSG00000108446.1	31.10671227	3.234020974	4.39E-07	1.52E-06	RP23-367H8.4
ENSMUSG00000103932.1	14.9533502	7.269613008	4.39E-07	1.52E-06	RP23-65G17.2
ENSMUSG00000047759.6	54.4749973	1.898777667	4.40E-07	1.53E-06	Hs3st3a1
ENSMUSG00000054199.17	6632.480559	-1.137494399	4.41E-07	1.53E-06	Gon4l
ENSMUSG00000044303.6	55.03976282	2.401592771	4.42E-07	1.53E-06	Cdkn2a
ENSMUSG00000022769.9	694.0952919	-1.135649324	4.43E-07	1.53E-06	Sdf2l1
ENSMUSG000000051246.3	19.84447925	3.223889708	4.43E-07	1.53E-06	Msantd1
ENSMUSG00000090607.1	159.0077961	-1.729367519	4.44E-07	1.54E-06	RP24-308O7.1
ENSMUSG00000098024.1	35.88480448	2.202124227	4.44E-07	1.54E-06	RP23-251E2.4
ENSMUSG00000102602.1	321.6749331	-1.604794338	4.44E-07	1.54E-06	RP23-13A13.6
ENSMUSG00000025893.8	189.1972366	1.262485757	4.45E-07	1.54E-06	Kbtbd3
ENSMUSG00000021987.9	1715.111569	1.379159428	4.45E-07	1.54E-06	Mtmr6
ENSMUSG00000031861.15	1095.316689	-1.236112601	4.46E-07	1.54E-06	Lpar2
ENSMUSG00000028584.3	29.27193205	-2.65345116	4.47E-07	1.55E-06	Lrrc38
ENSMUSG00000081671.1	3575.031296	-1.0723622	4.48E-07	1.55E-06	RP23-383I4.6
ENSMUSG00000044066.14	3028.641008	-1.10266953	4.49E-07	1.55E-06	Cep68
ENSMUSG00000041617.10	35.29456782	2.05938305	4.50E-07	1.56E-06	Ccdc74a
ENSMUSG00000054659.13	57.06817476	-2.28172347	4.52E-07	1.56E-06	Pm20d2
ENSMUSG00000068732.5	2687.283847	-0.774546309	4.52E-07	1.56E-06	Tmem167b
ENSMUSG00000028581.17	15.347552	7.307366217	4.56E-07	1.58E-06	Laptm5
ENSMUSG00000027219.13	9.996670411	-6.865946499	4.56E-07	1.58E-06	Slc28a2
ENSMUSG00000022261.6	1700.142399	0.599350182	4.56E-07	1.58E-06	Sdc2

ENSMUSG00000109332.1	20.44787715	4.228801558	4.60E-07	1.59E-06	RP23-189G24.4
ENSMUSG00000022865.14	10584.44699	0.998061978	4.62E-07	1.60E-06	Cxadr
ENSMUSG00000032485.14	2169.877533	0.934610647	4.63E-07	1.60E-06	Scap
ENSMUSG00000066637.2	226.8997537	-1.507309583	4.64E-07	1.60E-06	Ttc32
ENSMUSG00000038866.15	814.5237746	-1.515490637	4.66E-07	1.61E-06	Zcchc2
ENSMUSG00000042282.4	15.10666702	7.298679098	4.66E-07	1.61E-06	Gucy2f
ENSMUSG00000026650.15	11.25764581	6.860381603	4.67E-07	1.61E-06	Meig1
ENSMUSG00000083218.2	986.7040598	-2.419926924	4.68E-07	1.62E-06	AC121131.6
ENSMUSG00000029055.17	19.88474287	5.801153976	4.69E-07	1.62E-06	Pch2
ENSMUSG00000038418.7	581.2640722	-1.247632657	4.72E-07	1.63E-06	Egr1
ENSMUSG00000047033.2	26.91078483	2.526553078	4.73E-07	1.63E-06	Pcdhb15
ENSMUSG00000082087.4	2728.902922	-0.877688286	4.74E-07	1.64E-06	RP23-382C18.5
ENSMUSG00000040189.17	127.7437024	-1.312861492	4.75E-07	1.64E-06	Ccdc114
ENSMUSG00000029190.19	2869.514654	1.146698181	4.76E-07	1.64E-06	AC167815.1
ENSMUSG00000110546.1	1639.867308	0.74916698	4.77E-07	1.65E-06	RP23-314A15.8
ENSMUSG00000019194.15	40.99770614	2.035880377	4.82E-07	1.66E-06	Scn1b
ENSMUSG00000041058.15	1556.30383	-1.514974657	4.83E-07	1.67E-06	Wwp1
ENSMUSG00000067370.3	92.50749107	1.590081329	4.86E-07	1.68E-06	B3galt4
ENSMUSG00000113980.1	1178.273308	0.784219861	4.88E-07	1.68E-06	RP24-130L14.3
ENSMUSG00000091288.1	10.24226095	6.730175548	4.89E-07	1.69E-06	RP23-15A12.3
ENSMUSG00000021715.12	1109.221578	-0.678783064	4.89E-07	1.69E-06	Cwc27
ENSMUSG00000040818.10	1522.578814	-1.064346259	4.93E-07	1.70E-06	Dennd6a
ENSMUSG00000097577.2	53.65832544	1.840430904	4.95E-07	1.70E-06	RP23-300H21.3
ENSMUSG00000109901.1	1228.723662	0.6359641	4.95E-07	1.70E-06	Chmp1b
ENSMUSG00000030431.8	123.8463504	-2.362468083	4.96E-07	1.71E-06	Tmem238
ENSMUSG00000100168.2	10.02407825	6.700130571	4.96E-07	1.71E-06	RP24-197M20.1
ENSMUSG00000021681.8	2507.752709	-0.644083856	4.97E-07	1.71E-06	Agg1
ENSMUSG00000026383.14	1908.895464	-1.144525238	4.97E-07	1.71E-06	Epb4115
ENSMUSG00000010122.14	10.06196025	-6.874121646	4.98E-07	1.71E-06	Slc47a1
ENSMUSG00000092152.1	10.60083561	6.775987959	4.98E-07	1.71E-06	RP23-294B15.2
ENSMUSG00000040322.10	528.3397226	-0.862479797	5.01E-07	1.72E-06	Slc25a24
ENSMUSG00000082072.1	181.0065094	1.12011897	5.03E-07	1.73E-06	RP23-214L4.5
ENSMUSG00000033306.15	701.974464	-1.184475824	5.04E-07	1.73E-06	Lpp
ENSMUSG00000097149.1	24.03076543	3.854947936	5.04E-07	1.73E-06	RP24-427N13.10
ENSMUSG00000028830.14	1563.932909	1.254081097	5.07E-07	1.75E-06	RP23-273D6.2
ENSMUSG00000027678.17	2018.395037	-1.223531515	5.09E-07	1.75E-06	Ncoa3
ENSMUSG00000055795.5	10273.15549	-1.012103421	5.10E-07	1.76E-06	Gm5160
ENSMUSG00000015932.8	10615.31579	0.961535169	5.12E-07	1.76E-06	Dstn
ENSMUSG00000024581.12	1468.334822	0.834737258	5.13E-07	1.76E-06	Napg
ENSMUSG00000096361.1	659.9694772	-0.756360696	5.16E-07	1.77E-06	Gm5814
ENSMUSG00000060680.2	4630.88496	1.575768217	5.17E-07	1.78E-06	RP23-178N17.2
ENSMUSG00000098208.1	49.67657925	-1.777342566	5.18E-07	1.78E-06	RP23-390C13.1
ENSMUSG00000022617.15	99.9198817	1.32419891	5.18E-07	1.78E-06	Chkb
ENSMUSG00000038429.10	9262.697633	0.515994252	5.18E-07	1.78E-06	Usp5
ENSMUSG00000006313.5	34.38628561	2.025964095	5.21E-07	1.79E-06	Upk1a
ENSMUSG00000019338.13	1958.033636	-1.296647031	5.22E-07	1.79E-06	Zfp687
ENSMUSG00000027938.11	50.05161905	-2.033867408	5.22E-07	1.79E-06	Creb3l4
ENSMUSG00000060658.10	3418.381287	1.440247909	5.23E-07	1.80E-06	Snf8
ENSMUSG00000062874.6	514.2088712	-0.994236979	5.23E-07	1.80E-06	RP23-82F10.4
ENSMUSG00000028128.13	238.1361746	0.931494987	5.24E-07	1.80E-06	F3
ENSMUSG0000002458.13	573.7399121	-0.799653589	5.24E-07	1.80E-06	Rgs19
ENSMUSG00000114759.1	4637.920749	0.768914448	5.24E-07	1.80E-06	RP23-79G18.5
ENSMUSG00000050394.14	1716.706101	0.686912337	5.26E-07	1.81E-06	Armcx6
ENSMUSG00000107792.1	9.800305493	-6.837870827	5.27E-07	1.81E-06	RP23-250E1.9
ENSMUSG00000036026.15	3080.041462	0.989139345	5.28E-07	1.81E-06	Tmem63b
ENSMUSG00000068874.13	16.99862744	6.481295347	5.28E-07	1.81E-06	Selenbp1
ENSMUSG00000099470.1	16.28811689	4.897831714	5.28E-07	1.81E-06	RP23-326F22.4
ENSMUSG00000084950.7	93.70594196	1.262491194	5.31E-07	1.82E-06	RP23-226O20.3
ENSMUSG00000019978.16	2308.265099	-1.197265657	5.32E-07	1.83E-06	Epb4112
ENSMUSG00000048118.17	1110.077017	0.84415672	5.35E-07	1.84E-06	Arid4a
ENSMUSG00000036334.12	956.5003769	-1.814999555	5.37E-07	1.84E-06	Igsf10
ENSMUSG00000022112.14	51.40480974	2.164476033	5.37E-07	1.84E-06	Gpc5
ENSMUSG00000030741.15	3051.457212	-0.557457298	5.37E-07	1.84E-06	Spns1
ENSMUSG00000113428.1	314.2862632	0.896617053	5.38E-07	1.84E-06	RP24-231B8.9
ENSMUSG00000037446.13	113.6936391	-1.413798295	5.38E-07	1.85E-06	Tulp1
ENSMUSG00000098161.1	16.53259013	-3.834227913	5.41E-07	1.85E-06	Platr11
ENSMUSG00000095427.2	2868.278158	-1.036616725	5.43E-07	1.86E-06	RP24-98A17.1
ENSMUSG00000026895.7	2852.142513	1.556271581	5.44E-07	1.86E-06	Ndufa8
ENSMUSG00000073412.6	12.49405391	7.009784994	5.44E-07	1.86E-06	Lst1
ENSMUSG00000032908.9	30.82478442	2.755389924	5.45E-07	1.87E-06	Sgpp2
ENSMUSG00000058240.14	1134.892895	0.723716496	5.48E-07	1.88E-06	Cryz11
ENSMUSG00000023004.8	83324.32833	0.889655541	5.48E-07	1.88E-06	Tuba1b
ENSMUSG00000112980.1	268.0137161	-1.300978635	5.53E-07	1.89E-06	RP24-264B23.2
ENSMUSG00000107136.1	21.58852609	4.295727205	5.54E-07	1.90E-06	RP23-130C18.2
ENSMUSG00000072672.10	329.4633321	-1.076854607	5.55E-07	1.90E-06	Duxbl3
ENSMUSG00000085456.2	15.58300181	-4.997771267	5.57E-07	1.91E-06	RP24-174M12.1
ENSMUSG00000018774.13	124.0660326	1.360365628	5.57E-07	1.91E-06	Cd68
ENSMUSG00000024944.5	1467.150777	1.381253285	5.58E-07	1.91E-06	Arl2
ENSMUSG00000036197.16	2596.258609	-1.01104822	5.58E-07	1.91E-06	Gxytl1
ENSMUSG00000003135.15	1887.152361	-0.60123056	5.59E-07	1.91E-06	Cnot11
ENSMUSG00000036907.9	45.70549346	-2.574660136	5.59E-07	1.91E-06	C1ql2
ENSMUSG00000036570.14	20.28515776	3.95018544	5.60E-07	1.92E-06	Fxyd1
ENSMUSG00000019080.8	201.7736092	1.004217264	5.61E-07	1.92E-06	Mfsd3

ENSMUSG00000105542.1	18.09122459	6.568605185	5.61E-07	1.92E-06	RP23-441I24.4
ENSMUSG00000037989.15	1627.981068	1.842599732	5.62E-07	1.92E-06	Wnk2
ENSMUSG00000039230.14	3959.142555	0.644199085	5.63E-07	1.92E-06	Tbcd
ENSMUSG00000099858.1	312.8160673	-1.291590423	5.64E-07	1.93E-06	RP23-184B11.2
ENSMUSG00000049904.7	346.2150665	1.211007173	5.65E-07	1.93E-06	Tmem17
ENSMUSG00000024970.4	1519.635858	0.730935642	5.66E-07	1.93E-06	Spindoc
ENSMUSG00000063245.11	845.2700025	-1.262239543	5.69E-07	1.94E-06	RP23-384D6.1
ENSMUSG00000086193.1	26.04190618	3.26871922	5.69E-07	1.94E-06	RP23-16C4.1
ENSMUSG00000026110.15	669.177601	1.301916383	5.71E-07	1.95E-06	Mgat4a
ENSMUSG00000039233.12	1570.899819	0.692973018	5.71E-07	1.95E-06	Tbce
ENSMUSG00000050243.6	1198.738212	-1.768623077	5.74E-07	1.96E-06	RP24-389O11.1
ENSMUSG00000025257.5	290.575307	-1.08248597	5.76E-07	1.97E-06	Ribc1
ENSMUSG00000097047.1	34.03296779	1.950976617	5.77E-07	1.97E-06	1110020A21Rik
ENSMUSG00000075590.4	785.1801233	1.506586221	5.78E-07	1.97E-06	Nrbp2
ENSMUSG00000031274.16	2103.368365	1.797466045	5.81E-07	1.98E-06	Col4a5
ENSMUSG00000062963.10	2490.192707	1.461093343	5.81E-07	1.98E-06	Ufc1
ENSMUSG00000107283.3	941.2937996	1.054148647	5.82E-07	1.99E-06	Mpv17
ENSMUSG00000090213.1	1530.685816	-0.684809875	5.83E-07	1.99E-06	Tmem189
ENSMUSG00000082264.1	1140.110246	-0.752609115	5.84E-07	1.99E-06	RP23-149D11.8
ENSMUSG00000014226.10	7572.161964	-0.942012252	5.86E-07	2.00E-06	Cacybp
ENSMUSG00000071068.6	15.17620108	-6.496536967	5.88E-07	2.01E-06	Trem12
ENSMUSG00000020492.11	3085.276067	0.576789731	5.91E-07	2.02E-06	Ska2
ENSMUSG00000107840.1	13.85500625	7.159333053	5.97E-07	2.04E-06	RP23-320B19.4
ENSMUSG00000048164.9	3265.603813	-1.220487414	6.00E-07	2.05E-06	RP23-383B20.3
ENSMUSG00000046567.10	604.6689595	-1.260247353	6.01E-07	2.05E-06	RP23-79J15.4
ENSMUSG00000102344.1	10.88918143	6.812898046	6.01E-07	2.05E-06	RP23-239I17.5
ENSMUSG00000101564.1	13.64353891	-4.072175366	6.02E-07	2.05E-06	RP24-290C11.1
ENSMUSG00000054412.5	17.99428075	5.672216362	6.04E-07	2.06E-06	RP24-409F22.1
ENSMUSG00000061118.8	551.5143212	1.2696253	6.04E-07	2.06E-06	Dnajc30
ENSMUSG00000036845.12	404.7593523	1.064519264	6.06E-07	2.06E-06	Lin37
ENSMUSG00000026051.8	10.08725792	6.707741624	6.06E-07	2.07E-06	AC159092.1
ENSMUSG00000099732.1	31.70014108	-3.481606738	6.07E-07	2.07E-06	RP23-341D24.1
ENSMUSG00000107234.1	15.72772118	7.343369506	6.08E-07	2.07E-06	RP23-319P12.5
ENSMUSG00000002395.14	1771.378783	1.389176993	6.10E-07	2.08E-06	Use1
ENSMUSG00000069280.1	15.00478031	-6.480034714	6.10E-07	2.08E-06	Vmn1r223
ENSMUSG00000002129.11	9513.192654	-1.122864215	6.11E-07	2.08E-06	Sf3a1
ENSMUSG00000102302.1	105.405622	-1.757852831	6.12E-07	2.09E-06	RP23-187M7.5
ENSMUSG00000107121.1	33.533902	2.255143761	6.13E-07	2.09E-06	RP23-228F6.9
ENSMUSG00000045671.17	2178.823048	-1.576475179	6.14E-07	2.09E-06	Spred2
ENSMUSG00000068335.6	181.7719829	-1.178466061	6.18E-07	2.10E-06	Dok1
ENSMUSG00000036120.10	359.6039309	-0.789998106	6.22E-07	2.12E-06	Rfxank
ENSMUSG00000097573.2	43.06253851	2.248372326	6.23E-07	2.12E-06	RP24-535E21.4
ENSMUSG00000070392.5	11.58287998	6.916683091	6.24E-07	2.12E-06	RP24-201C14.4
ENSMUSG00000103746.1	32.22986229	2.60557051	6.27E-07	2.13E-06	RP24-423J19.1
ENSMUSG00000027706.8	9598.469459	1.281036171	6.29E-07	2.14E-06	Sec62
ENSMUSG00000050944.14	28.83579924	2.876317785	6.30E-07	2.14E-06	Efcab5
ENSMUSG00000045282.7	323.8008264	1.410271356	6.35E-07	2.16E-06	Tmem86b
ENSMUSG00000078768.2	416.5535067	-0.776848396	6.36E-07	2.16E-06	Zfp566
ENSMUSG00000044881.7	306.0016749	1.367978249	6.36E-07	2.16E-06	Coa4
ENSMUSG00000024186.15	230.0554071	-1.781839479	6.38E-07	2.17E-06	Rgs11
ENSMUSG00000032261.16	793.9414656	-1.015536212	6.39E-07	2.17E-06	Sh3bgrl2
ENSMUSG00000105485.1	17.17024799	4.558150315	6.43E-07	2.18E-06	RP23-342M4.3
ENSMUSG00000091712.2	22.79613321	2.850350018	6.46E-07	2.20E-06	Sec1415
ENSMUSG00000101523.1	5653.826115	-1.223990126	6.47E-07	2.20E-06	RP23-363M8.1
ENSMUSG00000026926.14	5927.029917	-0.663336078	6.48E-07	2.20E-06	Pmpca
ENSMUSG00000033039.10	852.6077217	1.593155094	6.49E-07	2.20E-06	Micall1
ENSMUSG00000055204.15	8200.554283	-0.609792788	6.49E-07	2.20E-06	Ankrd17
ENSMUSG00000015468.14	188.5983153	1.354185744	6.50E-07	2.21E-06	Notch4
ENSMUSG00000008892.12	5455.460525	1.098878202	6.53E-07	2.22E-06	Vdac3
ENSMUSG00000021877.12	6702.824506	0.570690411	6.56E-07	2.23E-06	Arf4
ENSMUSG00000062691.10	461.1495681	1.720435152	6.58E-07	2.23E-06	Cebpzoz
ENSMUSG00000027843.13	18.19155047	4.009029259	6.59E-07	2.24E-06	Ptpn22
ENSMUSG00000081640.1	2179.227874	-0.994685287	6.59E-07	2.24E-06	Rplp0-ps1
ENSMUSG00000035509.17	28.75622136	2.481668875	6.59E-07	2.24E-06	Fbxl21
ENSMUSG00000039158.11	286.9983517	-2.002562816	6.65E-07	2.26E-06	Akna
ENSMUSG00000038167.6	29.05112169	-2.703947546	6.68E-07	2.27E-06	Plekhg6
ENSMUSG00000033032.15	388.4020323	-0.764638068	6.69E-07	2.27E-06	Afap111
ENSMUSG00000007564.15	14217.11183	0.513264195	6.69E-07	2.27E-06	Ppp2r1a
ENSMUSG00000027079.15	972.1182743	-0.681193187	6.77E-07	2.29E-06	Clp1
ENSMUSG00000010110.17	1803.741983	0.597318573	6.78E-07	2.30E-06	Stx5a
ENSMUSG00000022634.9	1384.100456	0.603719457	6.80E-07	2.31E-06	Yaf2
ENSMUSG00000065824.1	34.91617625	3.255701804	6.81E-07	2.31E-06	Gm26315
ENSMUSG00000040661.6	3978.850141	-1.52860664	6.81E-07	2.31E-06	Rad54l2
ENSMUSG00000033916.5	2488.127937	1.453497873	6.84E-07	2.32E-06	Chmp2a
ENSMUSG00000022378.14	5081.924548	0.602779072	6.84E-07	2.32E-06	Fam49b
ENSMUSG00000038976.12	3079.794519	1.359487938	6.87E-07	2.33E-06	Ppp1r9b
ENSMUSG00000103473.1	15.75476311	4.412827716	6.88E-07	2.33E-06	RP23-390C13.3
ENSMUSG00000024986.11	57.03939368	-1.588769976	6.90E-07	2.34E-06	Hhex
ENSMUSG00000026271.15	24.13403395	4.212289927	6.91E-07	2.34E-06	Gpr35
ENSMUSG00000045725.5	24.8641286	2.879331654	6.94E-07	2.35E-06	Prr15
ENSMUSG00000048388.3	2720.866232	1.10224754	6.94E-07	2.35E-06	Fam171b
ENSMUSG00000085281.3	329.7363713	-1.288546664	6.95E-07	2.35E-06	RP23-446D4.6
ENSMUSG00000094378.7	191.0273357	-0.977251672	7.01E-07	2.37E-06	RP23-18D18.1

ENSMUSG00000113048.1	24.55367014	5.108178939	7.04E-07	2.38E-06	RP24-66D20.2
ENSMUSG00000001750.15	275.3805644	-1.097608648	7.06E-07	2.39E-06	Tc1rg1
ENSMUSG00000022622.5	27.90940751	5.685542344	7.06E-07	2.39E-06	Acr
ENSMUSG000000081771.1	51.01029453	-2.277445673	7.06E-07	2.39E-06	AC131773.1
ENSMUSG00000020346.16	2144.905308	0.823834939	7.07E-07	2.39E-06	Mgat1
ENSMUSG00000051339.10	840.6271262	-2.077459841	7.07E-07	2.39E-06	AC162528.2
ENSMUSG00000055850.12	1745.455814	0.726594267	7.07E-07	2.39E-06	Rnf181
ENSMUSG00000029267.17	5410.876968	-0.589545004	7.08E-07	2.40E-06	Mtf2
ENSMUSG00000038702.6	752.3306564	-1.220826418	7.09E-07	2.40E-06	Dsel
ENSMUSG00000061607.15	3236.780549	-1.352713706	7.12E-07	2.41E-06	Mdc1
ENSMUSG00000114220.1	17.46342323	3.18164126	7.13E-07	2.41E-06	RP24-458M20.6
ENSMUSG00000107211.1	357.8186146	-0.880875557	7.17E-07	2.42E-06	RP23-262J12.1
ENSMUSG00000021464.14	910.9045823	-0.868779693	7.23E-07	2.44E-06	Ror2
ENSMUSG00000051341.5	84.67193851	-1.434689872	7.24E-07	2.45E-06	Zfp52
ENSMUSG00000095865.1	5223.980805	-1.034667211	7.24E-07	2.45E-06	RP23-384D6.4
ENSMUSG000000066720.6	15.58433967	4.842068042	7.27E-07	2.46E-06	Cldn9
ENSMUSG00000043998.10	1919.730288	-0.556896202	7.27E-07	2.46E-06	Mgat2
ENSMUSG00000000355.13	1710.030876	1.178295943	7.27E-07	2.46E-06	Mcts1
ENSMUSG00000021022.9	2313.430209	0.675937112	7.29E-07	2.46E-06	Ppp2r3c
ENSMUSG00000014932.15	1523.278516	-1.004557041	7.30E-07	2.46E-06	Yes1
ENSMUSG00000048502.14	308.2268413	-1.025447654	7.30E-07	2.47E-06	Duxbl1
ENSMUSG00000089997.1	11.60396178	6.918882029	7.33E-07	2.48E-06	RP23-4F16.4
ENSMUSG00000111530.1	56.28499404	-1.753860865	7.33E-07	2.48E-06	RP23-271F18.2
ENSMUSG00000032042.11	3574.431378	-0.963384494	7.34E-07	2.48E-06	Srpr
ENSMUSG00000103828.1	9.578401577	6.637962833	7.36E-07	2.48E-06	RP23-137B16.3
ENSMUSG00000027642.15	6429.135985	-0.580464944	7.41E-07	2.50E-06	Rpn2
ENSMUSG00000106694.1	10.14732011	6.7245941	7.42E-07	2.50E-06	RP24-559P3.1
ENSMUSG00000041697.8	6571.05485	1.530520763	7.42E-07	2.50E-06	Cox6a1
ENSMUSG00000032440.13	150.6350192	-1.063627769	7.43E-07	2.51E-06	Tgfb2
ENSMUSG00000027651.16	1888.452092	-0.658902256	7.47E-07	2.52E-06	Rprd1b
ENSMUSG00000095318.1	23.65432009	3.093221219	7.49E-07	2.53E-06	RP24-230H12.4
ENSMUSG00000022519.14	838.2603681	-1.20025227	7.55E-07	2.54E-06	Srl
ENSMUSG00000032661.9	22.10508849	-2.916680887	7.56E-07	2.55E-06	Oas3
ENSMUSG00000113632.1	45.90517629	1.975501552	7.57E-07	2.55E-06	RP23-128I24.1
ENSMUSG00000060675.13	275.2590132	-1.493040476	7.66E-07	2.58E-06	Pla2g16
ENSMUSG00000073409.12	126.6843865	-1.028384984	7.68E-07	2.59E-06	H2-Q6
ENSMUSG00000083307.1	15.94163422	4.895488221	7.72E-07	2.60E-06	RP23-354L12.1
ENSMUSG000000084966.1	11.24196814	6.871982217	7.76E-07	2.61E-06	RP23-67M20.1
ENSMUSG00000025495.15	2613.110126	-0.584443959	7.77E-07	2.62E-06	Ptdss2
ENSMUSG00000023033.14	1220.114306	1.380305521	7.79E-07	2.62E-06	Scn8a
ENSMUSG00000013236.17	8537.820006	1.423193271	7.79E-07	2.62E-06	Ptprs
ENSMUSG00000035773.6	40.36991298	2.186864307	7.87E-07	2.65E-06	Kiss1r
ENSMUSG00000032469.12	1497.842769	-0.743287385	7.88E-07	2.65E-06	Dbr1
ENSMUSG0000005034.15	5925.014554	1.169103918	7.94E-07	2.67E-06	Prkacb
ENSMUSG00000031974.8	1335.305005	0.826021287	7.94E-07	2.67E-06	Abcb10
ENSMUSG00000042254.14	11.14322705	6.85929992	7.97E-07	2.68E-06	Cilp
ENSMUSG00000048546.8	740.0385652	-0.778942868	7.97E-07	2.68E-06	Tob2
ENSMUSG00000049154.11	30.41083543	2.643987167	8.00E-07	2.69E-06	Fam183b
ENSMUSG00000030779.16	6074.467228	-0.817515875	8.00E-07	2.69E-06	Rbbp6
ENSMUSG00000083253.1	47.75393662	-2.253300096	8.03E-07	2.70E-06	RP23-256C8.2
ENSMUSG00000073207.1	191.1049638	0.964369733	8.05E-07	2.71E-06	Ccdc160
ENSMUSG00000042812.5	14.97356009	4.353202804	8.05E-07	2.71E-06	Foxf1
ENSMUSG00000077886.1	13.88153952	-6.364405971	8.06E-07	2.71E-06	Mir295
ENSMUSG00000027765.6	172.3629233	-1.42354514	8.07E-07	2.71E-06	P2ry1
ENSMUSG00000100506.1	13.88652835	-6.364821819	8.08E-07	2.72E-06	Nanog-ps1
ENSMUSG00000067586.4	384.748013	1.298063093	8.10E-07	2.72E-06	S1pr3
ENSMUSG00000107996.1	24.06030738	4.459100136	8.16E-07	2.74E-06	RP23-320B19.1
ENSMUSG00000003051.13	75.42481658	-1.433093048	8.16E-07	2.74E-06	Elf3
ENSMUSG00000099951.1	31.28750979	-2.088517456	8.17E-07	2.74E-06	RP23-124D10.3
ENSMUSG00000100788.1	31.28750979	-2.088517456	8.17E-07	2.74E-06	RP23-315J23.4
ENSMUSG00000101023.1	31.28750979	-2.088517456	8.17E-07	2.74E-06	RP24-282E23.2
ENSMUSG00000101847.1	31.28750979	-2.088517456	8.17E-07	2.74E-06	RP23-315J23.1
ENSMUSG00000022508.5	30.64751202	2.004531525	8.18E-07	2.75E-06	Bcl6
ENSMUSG00000038930.11	675.1294805	-0.908342702	8.21E-07	2.76E-06	Rcc1
ENSMUSG00000027227.7	713.4155928	-0.658913529	8.22E-07	2.76E-06	Sord
ENSMUSG00000026353.9	4392.288022	0.773320835	8.22E-07	2.76E-06	Ubxn4
ENSMUSG00000068877.12	9.983282753	6.689038654	8.22E-07	2.76E-06	Selenbp2
ENSMUSG00000095040.2	9.983282753	6.689038654	8.22E-07	2.76E-06	RP23-441I24.2
ENSMUSG00000108421.1	10.26953653	6.74211168	8.24E-07	2.76E-06	RP23-212H18.4
ENSMUSG00000021337.8	9.465049423	6.616166662	8.24E-07	2.76E-06	Scgn
ENSMUSG00000097042.2	451.6948167	-1.056884964	8.24E-07	2.77E-06	RP23-413D14.9
ENSMUSG00000081470.1	384.0879915	-0.789188774	8.27E-07	2.78E-06	RP23-186J18.1
ENSMUSG00000085666.3	4084.633115	-1.45884382	8.32E-07	2.79E-06	RP23-40C8.1
ENSMUSG00000045251.13	384.7430278	1.226492813	8.34E-07	2.80E-06	Zfp688
ENSMUSG00000084279.1	3700.208584	-1.065082789	8.34E-07	2.80E-06	RP23-395N7.1
ENSMUSG00000038240.13	532.1766457	-0.712321756	8.38E-07	2.81E-06	Pdss2
ENSMUSG00000034774.6	12.17003978	6.987016751	8.39E-07	2.81E-06	Dsg1c
ENSMUSG00000026154.4	538.329009	1.623362205	8.40E-07	2.82E-06	Sdhaf4
ENSMUSG00000092300.7	21.29737156	3.350225217	8.40E-07	2.82E-06	Cdk3-ps
ENSMUSG00000108761.1	323.4877031	0.907516751	8.40E-07	2.82E-06	Atp6v0c-ps1
ENSMUSG00000087366.7	49.27090338	1.573251636	8.44E-07	2.83E-06	Junos
ENSMUSG00000043372.12	255.9455059	0.880102259	8.46E-07	2.83E-06	Hexim2
ENSMUSG00000015869.16	4638.130971	-0.664742896	8.49E-07	2.84E-06	Prpsap1

ENSMUSG00000021474.9	6180.363273	-0.682251536	8.55E-07	2.86E-06	Sfxn1
ENSMUSG00000107498.1	9.834539234	6.677032748	8.58E-07	2.88E-06	RP24-257M4.1
ENSMUSG00000001289.12	4334.911004	1.764557982	8.65E-07	2.90E-06	Pfdn5
ENSMUSG000000025102.14	393.7838869	1.548218411	8.66E-07	2.90E-06	AC102077.1
ENSMUSG000000068856.3	2823.471392	-0.83807208	8.68E-07	2.91E-06	Sf3b4
ENSMUSG000000060224.3	59.19101909	2.39565989	8.77E-07	2.94E-06	Pyroxd2
ENSMUSG000000036144.6	30.34864933	2.390863784	8.79E-07	2.94E-06	Meox2
ENSMUSG000000032370.8	545.3685632	0.890152697	8.79E-07	2.94E-06	Lactb
ENSMUSG000000098449.1	15.7962426	6.372989323	8.87E-07	2.97E-06	RP23-386C10.2
ENSMUSG000000081595.1	15.01941308	-3.294733893	8.94E-07	2.99E-06	RP23-17C23.1
ENSMUSG000000022677.15	1489.191884	1.293577203	8.94E-07	2.99E-06	Fopnl
ENSMUSG00000108640.1	22.27547666	4.606956093	8.94E-07	2.99E-06	RP23-181P23.3
ENSMUSG00000099662.1	813.1277183	-1.163677945	8.95E-07	2.99E-06	Ppp1r2-ps2
ENSMUSG000000037750.16	2129.330193	0.759480408	9.02E-07	3.02E-06	Fam222b
ENSMUSG00000113840.1	105.3811998	-1.326869092	9.08E-07	3.04E-06	RP23-334L22.2
ENSMUSG00000104667.1	33.85128781	-1.950097808	9.15E-07	3.06E-06	RP24-418J2.5
ENSMUSG00000101413.1	66.94531614	-2.75337267	9.17E-07	3.07E-06	RP24-68C1.2
ENSMUSG00000022684.15	1800.496731	0.759575672	9.19E-07	3.07E-06	Bfar
ENSMUSG00000042903.8	1145.686282	-1.049467213	9.22E-07	3.08E-06	Foxo4
ENSMUSG000000033633.14	14.98736228	4.794089309	9.23E-07	3.09E-06	Clec18a
ENSMUSG00000022568.17	3409.965016	-1.065771312	9.24E-07	3.09E-06	Scrib
ENSMUSG000000030541.16	3326.43452	0.630982017	9.25E-07	3.09E-06	ldh2
ENSMUSG00000107606.1	13.78898604	7.1526376	9.35E-07	3.12E-06	RP23-411N5.4
ENSMUSG000000022412.14	1907.165319	-1.087822873	9.36E-07	3.13E-06	Mief1
ENSMUSG00000108314.1	148.1894578	-1.11230387	9.39E-07	3.14E-06	RP23-73F23.5
ENSMUSG000000046324.12	1944.104172	-1.259958826	9.40E-07	3.14E-06	Ermp1
ENSMUSG000000036091.8	42.98915832	2.671448859	9.40E-07	3.14E-06	Hyal3
ENSMUSG000000044664.7	8.981400987	-6.710489846	9.44E-07	3.15E-06	Prss42
ENSMUSG000000052155.5	2257.609704	1.30599346	9.44E-07	3.15E-06	Acvr2a
ENSMUSG000000093798.2	74778.19088	-0.989072921	9.44E-07	3.15E-06	RP23-299H4.3
ENSMUSG000000029592.11	1149.200958	0.799753818	9.44E-07	3.15E-06	Usp30
ENSMUSG000000035270.15	23.02275287	2.75855691	9.44E-07	3.15E-06	Impg2
ENSMUSG000000040842.17	4750.325759	-0.526466637	9.48E-07	3.16E-06	Szrd1
ENSMUSG000000084919.1	16.98032701	-5.715051729	9.49E-07	3.17E-06	Ptprt0s
ENSMUSG000000028639.14	30237.5502	-0.619319856	9.49E-07	3.17E-06	Ybx1
ENSMUSG000000069971.5	29.09245718	2.519422151	9.50E-07	3.17E-06	AC171684.1
ENSMUSG000000029547.10	5182.395161	-1.09090693	9.50E-07	3.17E-06	Ints1
ENSMUSG000000062646.12	342.9184179	0.888547428	9.50E-07	3.17E-06	Ganc
ENSMUSG000000081878.1	16.85325343	-4.086170501	9.50E-07	3.17E-06	RP23-5K9.6
ENSMUSG00000104868.1	11.05896558	6.849254047	9.51E-07	3.17E-06	RP23-37I24.1
ENSMUSG000000036752.4	10929.41368	-0.868867818	9.55E-07	3.18E-06	Tubb4b
ENSMUSG000000089875.2	31.76212807	2.336037792	9.57E-07	3.19E-06	Etold2
ENSMUSG000000060206.11	4675.98823	-0.983313573	9.59E-07	3.20E-06	Zfp462
ENSMUSG00000100183.1	23.43096923	3.801437014	9.60E-07	3.20E-06	RP23-184B11.7
ENSMUSG00000114251.1	2014.896986	-0.925040915	9.63E-07	3.21E-06	Tmed10-ps
ENSMUSG000000024370.16	4013.422383	-1.114396628	9.67E-07	3.22E-06	Cdc23
ENSMUSG000000019428.16	5839.052414	1.049223843	9.68E-07	3.22E-06	Fkbp8
ENSMUSG000000082820.3	253.0406989	1.282327794	9.74E-07	3.24E-06	RP23-358N17.1
ENSMUSG000000033813.15	4404.194918	-0.615733704	9.75E-07	3.25E-06	Tcea1
ENSMUSG000000097509.1	16.82024583	4.187821976	9.76E-07	3.25E-06	RP24-387D22.3
ENSMUSG000000045631.10	10.42333587	-6.925478138	9.76E-07	3.25E-06	Tmprss12
ENSMUSG000000057388.9	3128.102846	-0.963801806	9.78E-07	3.26E-06	Mrpl18
ENSMUSG000000033313.11	50.22983352	1.647246685	9.82E-07	3.27E-06	Fbxl8
ENSMUSG000000062397.8	7342.899255	0.653505222	9.84E-07	3.28E-06	Zfp706
ENSMUSG000000086165.1	15.01074525	6.303047944	9.87E-07	3.28E-06	AC129553.4
ENSMUSG000000061755.10	6269.019552	-0.542845149	9.88E-07	3.29E-06	Bod11
ENSMUSG000000065447.1	11.4404662	-7.064481174	9.89E-07	3.29E-06	Mir302d
ENSMUSG000000055884.8	1606.029097	-1.617069454	9.91E-07	3.30E-06	Fancm
ENSMUSG000000020720.13	9784.331846	-0.67865503	9.93E-07	3.30E-06	Psmid12
ENSMUSG000000032239.10	1588.277326	1.607747627	1.00E-06	3.34E-06	Rp9
ENSMUSG000000050195.8	325.5894341	-2.396826443	1.00E-06	3.34E-06	Scd4
ENSMUSG000000042708.12	22.02297346	-2.682627237	1.01E-06	3.34E-06	Shcbp11
ENSMUSG000000020672.14	20.80054682	3.305383233	1.01E-06	3.37E-06	Sntg2
ENSMUSG000000035735.10	304.4378425	1.833243035	1.02E-06	3.38E-06	Dagla
ENSMUSG000000074749.10	649.7964639	0.790358623	1.02E-06	3.41E-06	Kiz
ENSMUSG000000038811.13	26.73358407	-2.45847212	1.03E-06	3.41E-06	Gngt2
ENSMUSG000000027427.13	1215.391337	-1.106517398	1.03E-06	3.42E-06	Polr3f
ENSMUSG000000026427.16	2194.858699	-0.668250171	1.03E-06	3.42E-06	Eif2d
ENSMUSG000000092118.1	125.7895222	-1.02668023	1.03E-06	3.42E-06	Fancf
ENSMUSG00000109082.1	12.08060996	6.97567932	1.03E-06	3.44E-06	RP24-213J23.5
ENSMUSG00000102545.1	16.58074012	5.535296934	1.04E-06	3.45E-06	RP24-253I2.1
ENSMUSG000000059647.5	4431.210567	-0.560801378	1.04E-06	3.47E-06	Cbx3-ps7
ENSMUSG00000113495.1	81.43604673	-1.388938549	1.05E-06	3.48E-06	RP23-156C20.2
ENSMUSG000000027641.13	396.0568241	-1.516646738	1.05E-06	3.49E-06	Rbl1
ENSMUSG000000081788.2	4403.950316	-1.73160655	1.06E-06	3.51E-06	AC149603.1
ENSMUSG000000045877.2	116.3565708	1.273063748	1.06E-06	3.51E-06	4933415A04Rik
ENSMUSG000000071650.5	11939.47939	-1.130041508	1.06E-06	3.51E-06	Ganab
ENSMUSG000000081113.1	1879.593998	0.758682982	1.06E-06	3.52E-06	RP23-387P23.1
ENSMUSG000000063109.13	16.03504406	4.104330579	1.06E-06	3.52E-06	Dgkeos
ENSMUSG000000091993.2	53.52405761	2.047540681	1.06E-06	3.52E-06	RP23-116M12.2
ENSMUSG000000034501.7	1238.045384	0.887386474	1.06E-06	3.52E-06	Pcnx4
ENSMUSG000000030512.13	3238.665501	-1.225401619	1.06E-06	3.52E-06	Snrpa1
ENSMUSG00000107751.1	2748.601325	0.741174462	1.06E-06	3.53E-06	RP24-95A6.1

ENSMUSG00000107349.1	68.30541602	-1.336029728	1.07E-06	3.53E-06	RP23-18G14.1
ENSMUSG00000095869.1	410.668143	-1.092084227	1.07E-06	3.54E-06	Ppp1r2-ps6
ENSMUSG00000015312.9	120.1961238	1.528394389	1.07E-06	3.55E-06	Gadd45b
ENSMUSG000000095620.7	16.04120299	-3.623204808	1.07E-06	3.56E-06	RP24-455C11.4
ENSMUSG00000022102.13	89.32640306	-1.396303572	1.07E-06	3.56E-06	Dok2
ENSMUSG00000052751.16	970.5372558	0.709082433	1.07E-06	3.56E-06	Repin1
ENSMUSG00000039384.8	174.1827969	1.605300867	1.08E-06	3.57E-06	Dusp10
ENSMUSG00000038570.15	29.36049556	3.053826445	1.08E-06	3.58E-06	Saxo2
ENSMUSG000000021728.8	8744.414608	-0.601938117	1.09E-06	3.59E-06	Emb
ENSMUSG00000037278.9	2811.621703	-1.101568107	1.09E-06	3.59E-06	Tmem97
ENSMUSG00000038879.8	9.802542292	6.662970225	1.09E-06	3.60E-06	Nipal2
ENSMUSG000000084129.1	1088.917152	-0.985152371	1.09E-06	3.60E-06	Hmgb1-ps1
ENSMUSG00000116652.1	14.50400321	6.254734772	1.09E-06	3.61E-06	RP23-372H6.11
ENSMUSG00000032051.9	458.2573077	1.246256883	1.09E-06	3.61E-06	Fdx1
ENSMUSG00000044328.13	371.0342541	1.125244029	1.09E-06	3.61E-06	Trp53i13
ENSMUSG000000081944.1	40.44252611	2.087068991	1.10E-06	3.63E-06	RP23-330N10.7
ENSMUSG00000090138.2	42.75265585	2.307940186	1.10E-06	3.66E-06	AC114408.3
ENSMUSG000000082436.1	26.49370226	-2.353020467	1.11E-06	3.67E-06	RP23-35E16.1
ENSMUSG000000082678.1	501.7744283	-1.461719929	1.11E-06	3.68E-06	RP23-219O14.3
ENSMUSG000000031823.14	1178.099587	0.673710763	1.11E-06	3.68E-06	Zdhhc7
ENSMUSG00000079445.3	489.9319737	-1.17144331	1.12E-06	3.69E-06	B3gnt7
ENSMUSG00000042275.9	338.2200063	-0.837783788	1.12E-06	3.71E-06	Pelo
ENSMUSG000000086810.1	9.312698608	-6.763510742	1.12E-06	3.72E-06	RP23-360O1.2
ENSMUSG000000064377.1	12.31145718	7.004368136	1.13E-06	3.72E-06	Gm24966
ENSMUSG000000097732.2	28.23118156	2.388035835	1.13E-06	3.72E-06	RP23-201I4.9
ENSMUSG00000024228.12	317.6933238	-1.934208005	1.13E-06	3.72E-06	Nudt12
ENSMUSG000000034154.15	1431.916577	-1.406514376	1.13E-06	3.73E-06	Ino80
ENSMUSG00000019178.17	14.36542634	6.240610956	1.13E-06	3.74E-06	Styxl1
ENSMUSG000000084022.1	24.31051565	-2.553265247	1.13E-06	3.74E-06	RP23-31A20.2
ENSMUSG000000050994.20	20.27027618	3.980079204	1.13E-06	3.75E-06	Adgb
ENSMUSG000000030669.13	315.1725213	-0.931310733	1.13E-06	3.75E-06	Calca
ENSMUSG00000023921.8	1534.827752	-0.649671979	1.14E-06	3.75E-06	Mut
ENSMUSG00000045287.6	572.9866523	-0.728995595	1.14E-06	3.75E-06	Rtn4r1
ENSMUSG00000102277.1	23.91231609	6.06262624	1.14E-06	3.76E-06	RP23-393I12.4
ENSMUSG000000078370.1	53.99809258	-1.710338388	1.14E-06	3.77E-06	RP23-359M9.2
ENSMUSG00000106734.3	17.68320164	-3.129600309	1.15E-06	3.79E-06	RP24-328P2.5
ENSMUSG00000034854.8	539.0835275	0.953526819	1.15E-06	3.81E-06	Mfsd12
ENSMUSG00000102814.1	11.54082328	6.895078903	1.16E-06	3.82E-06	RP23-186M2.1
ENSMUSG00000005610.17	62378.41433	-0.881286593	1.16E-06	3.82E-06	Eif4g2
ENSMUSG00000028822.11	3350.825387	1.034293775	1.16E-06	3.83E-06	Tmem50a
ENSMUSG000000098009.1	2539.110805	-1.469092912	1.17E-06	3.88E-06	RP24-226I7.1
ENSMUSG000000044976.17	14.3609185	6.241266565	1.18E-06	3.89E-06	Wdr72
ENSMUSG00000037710.8	2395.56355	1.308058873	1.18E-06	3.90E-06	Cisd1
ENSMUSG000000070960.4	386.1690503	-0.858934571	1.19E-06	3.93E-06	RP24-270O22.1
ENSMUSG00000107276.1	34.37112003	2.76787156	1.20E-06	3.95E-06	RP24-535K22.2
ENSMUSG000000030987.5	2096.283654	-0.852031554	1.20E-06	3.96E-06	Stim1
ENSMUSG00000024132.5	334.841402	-1.358729996	1.20E-06	3.97E-06	Eci1
ENSMUSG000000083199.1	2643.003551	-1.199018826	1.20E-06	3.97E-06	RP24-392J24.2
ENSMUSG00000114483.1	9.980954935	6.689532015	1.21E-06	3.98E-06	RP23-283G7.3
ENSMUSG00000097640.7	42.42043764	1.680873867	1.21E-06	3.99E-06	RP24-448C16.2
ENSMUSG00000102605.1	10.05135383	6.711742039	1.21E-06	4.00E-06	RP24-153E5.1
ENSMUSG00000046572.10	3107.643291	-1.256248498	1.21E-06	4.00E-06	Zfp518b
ENSMUSG000000059772.12	514.1976453	0.760011604	1.22E-06	4.01E-06	Slx1b
ENSMUSG00000002825.8	989.645037	-0.91685219	1.22E-06	4.01E-06	Qtrt1
ENSMUSG00000028803.18	891.0609173	1.18422528	1.22E-06	4.02E-06	Nipal3
ENSMUSG000000022753.15	16.7475611	3.92231747	1.22E-06	4.03E-06	Tmem30c
ENSMUSG000000057886.5	4967.921306	-0.568704394	1.22E-06	4.03E-06	Cbx3-ps6
ENSMUSG000000083817.1	87.1825749	-1.396297391	1.23E-06	4.04E-06	RP23-360A2.9
ENSMUSG000000060397.6	181.2918833	1.347369352	1.23E-06	4.04E-06	Zfp128
ENSMUSG000000042436.12	278.8583056	0.943995615	1.23E-06	4.05E-06	Mfap4
ENSMUSG000000030365.11	13.04766852	-6.27333488	1.23E-06	4.06E-06	Clec2i
ENSMUSG000000086728.2	23.37316828	2.670383893	1.24E-06	4.07E-06	Man2c1os
ENSMUSG000000070997.4	21.97922918	2.502397281	1.25E-06	4.10E-06	RP23-218A4.8
ENSMUSG000000078866.10	482.7632939	-1.849367816	1.25E-06	4.12E-06	RP23-67E6.5
ENSMUSG000000040857.15	829.0363845	-1.032726292	1.25E-06	4.13E-06	Erf
ENSMUSG000000049882.9	585.2324065	-0.715652737	1.26E-06	4.14E-06	Vcpkmt
ENSMUSG000000071633.11	10.50226458	6.774562451	1.27E-06	4.16E-06	RP24-317F20.1
ENSMUSG000000021962.9	1686.935214	-1.420358085	1.27E-06	4.17E-06	Dcp1a
ENSMUSG000000074519.11	372.7045192	-1.820162322	1.27E-06	4.17E-06	Etohi1
ENSMUSG000000021461.17	486.185968	-0.985452847	1.27E-06	4.17E-06	Fancc
ENSMUSG000000036099.16	2163.01532	0.908054254	1.27E-06	4.18E-06	Vezt
ENSMUSG000000086914.1	26.50851258	4.127623824	1.28E-06	4.20E-06	AC158384.4
ENSMUSG000000026321.7	34.26922671	-2.014246766	1.28E-06	4.21E-06	Tnfrsf11a
ENSMUSG000000082920.1	3323.507692	-0.984934448	1.28E-06	4.21E-06	RP23-104H13.2
ENSMUSG000000027544.16	115.0325256	-1.245373866	1.29E-06	4.23E-06	Nfatc2
ENSMUSG00000114579.1	2981.783639	-1.098644766	1.29E-06	4.24E-06	RP23-386F19.1
ENSMUSG00000103581.1	23.68289006	2.535971744	1.29E-06	4.25E-06	RP24-529L21.6
ENSMUSG000000027750.16	26.18666868	2.331670148	1.29E-06	4.25E-06	Postn
ENSMUSG000000044982.6	187.5645897	1.119291331	1.30E-06	4.28E-06	Sft2d3
ENSMUSG000000027201.16	8452.211373	-0.866111714	1.31E-06	4.31E-06	Myef2
ENSMUSG000000084241.1	174.6726966	-1.424937993	1.32E-06	4.33E-06	RP23-264D16.4
ENSMUSG00000012483.4	924.0007154	-1.133355272	1.32E-06	4.35E-06	Rpa3
ENSMUSG00000102463.1	109.8057783	-1.117120604	1.32E-06	4.35E-06	RP23-463B12.1

ENSMUSG00000026726.10	29.21133902	3.139883047	1.33E-06	4.36E-06	Cubn
ENSMUSG00000098221.1	17.36501773	5.011326758	1.33E-06	4.36E-06	RP24-365B9.1
ENSMUSG00000031438.11	662.576745	-1.04876076	1.34E-06	4.40E-06	Rnf128
ENSMUSG00000108294.1	924.9137086	-1.069247604	1.34E-06	4.40E-06	RP23-77B7.1
ENSMUSG00000042229.9	891.65484	0.842900865	1.34E-06	4.40E-06	Rabif
ENSMUSG00000090119.1	149.4200461	2.107201211	1.35E-06	4.41E-06	RP24-66E22.1
ENSMUSG00000060798.7	648.894384	-1.300994624	1.36E-06	4.45E-06	Intu
ENSMUSG00000036503.13	1588.854978	-0.854740473	1.36E-06	4.46E-06	Rnf13
ENSMUSG00000050666.14	15.48217198	3.774186305	1.36E-06	4.46E-06	Vstm4
ENSMUSG00000102136.1	12.09468375	6.963469746	1.37E-06	4.51E-06	RP23-416H10.6
ENSMUSG00000058050.5	9871.662248	-0.97667483	1.38E-06	4.53E-06	RP23-156N18.3
ENSMUSG00000080777.1	1325.833588	-1.036076073	1.38E-06	4.53E-06	RP23-459K15.13
ENSMUSG00000086534.2	9.205281568	6.582222049	1.38E-06	4.53E-06	RP23-137I7.1
ENSMUSG00000020191.11	17.25932436	5.598283184	1.38E-06	4.54E-06	RP23-311O20.2
ENSMUSG00000039886.8	1611.718251	1.326965754	1.39E-06	4.55E-06	Tmem120a
ENSMUSG000000025236.11	2379.393376	-0.944698844	1.40E-06	4.58E-06	Adpgk
ENSMUSG00000032358.12	14.21232013	-4.147021543	1.41E-06	4.61E-06	Fam83b
ENSMUSG00000004473.10	35.52534254	1.944928684	1.41E-06	4.62E-06	Clec11a
ENSMUSG00000043987.18	1571.588393	-0.998446246	1.41E-06	4.62E-06	Cep164
ENSMUSG00000021969.8	3367.388334	0.647808943	1.41E-06	4.63E-06	Zdhhc20
ENSMUSG00000026219.14	13777.43653	-1.268356439	1.42E-06	4.65E-06	Trip12
ENSMUSG00000029203.16	7728.389464	-0.515558444	1.44E-06	4.71E-06	Ube2k
ENSMUSG00000038311.13	13.82387564	-6.356460151	1.44E-06	4.72E-06	RP23-108F2.7
ENSMUSG00000090236.3	17.46177179	3.184172314	1.45E-06	4.75E-06	Car15
ENSMUSG00000093577.1	19.16664894	2.772639686	1.46E-06	4.78E-06	RP24-201C14.5
ENSMUSG00000032105.5	13.92876174	6.196131113	1.47E-06	4.81E-06	Pdzd3
ENSMUSG00000078349.2	27.81111783	2.867120703	1.47E-06	4.81E-06	AW011738
ENSMUSG00000106483.1	9.646302603	6.646720053	1.47E-06	4.81E-06	RP24-476K21.1
ENSMUSG00000034813.17	1137.89608	0.922100211	1.48E-06	4.83E-06	Grip1
ENSMUSG00000030775.10	9.036245914	6.555684668	1.48E-06	4.83E-06	Tra1
ENSMUSG00000032500.10	39.68054858	2.059727414	1.48E-06	4.83E-06	Dclk3
ENSMUSG00000105813.1	28.18239941	2.375685858	1.48E-06	4.85E-06	RP24-277J22.4
ENSMUSG00000030682.4	3038.193037	0.63745787	1.49E-06	4.86E-06	Cdipt
ENSMUSG00000098813.1	34.83037812	-2.162028737	1.49E-06	4.87E-06	Gm27326
ENSMUSG00000106229.1	31.5448585	3.153540256	1.49E-06	4.88E-06	RP23-342N8.2
ENSMUSG00000097290.9	192.5463237	1.091389721	1.49E-06	4.88E-06	RP23-245B21.3
ENSMUSG00000058620.5	40.77259702	2.019604827	1.50E-06	4.89E-06	Adra2b
ENSMUSG00000049076.11	1818.937934	-1.229221306	1.50E-06	4.89E-06	Acap2
ENSMUSG00000022779.16	1452.099355	-0.750614329	1.50E-06	4.90E-06	Top3b
ENSMUSG00000028849.17	4321.859045	0.848613839	1.50E-06	4.90E-06	Map7d1
ENSMUSG00000033192.5	109.4288844	-1.145978146	1.50E-06	4.91E-06	Lpcat2
ENSMUSG00000028405.9	2644.854984	-1.156418421	1.51E-06	4.92E-06	Aco1
ENSMUSG00000071273.3	364.6470497	-0.77062155	1.51E-06	4.92E-06	Gm5145
ENSMUSG00000040097.16	5660.394519	0.728917107	1.52E-06	4.95E-06	Flywch1
ENSMUSG00000104303.1	9.302550223	6.5883043	1.52E-06	4.96E-06	RP24-149G20.1
ENSMUSG00000059486.11	2353.649506	-0.815472046	1.52E-06	4.96E-06	Kbtbd2
ENSMUSG00000055976.6	38.78725295	2.041233832	1.52E-06	4.96E-06	Cldn23
ENSMUSG00000042460.5	1493.481262	-1.253540984	1.52E-06	4.97E-06	C1gal1
ENSMUSG00000025130.11	25542.55652	-0.557261366	1.54E-06	5.01E-06	P4hb
ENSMUSG00000002250.15	307.4151108	-1.486478434	1.55E-06	5.04E-06	Ppard
ENSMUSG00000115009.1	13.09338476	-4.035214124	1.55E-06	5.05E-06	RP24-90D21.3
ENSMUSG00000085407.1	18.13865059	3.225325758	1.56E-06	5.08E-06	AC124457.2
ENSMUSG000000084110.4	14.86240218	-5.583874956	1.57E-06	5.12E-06	RP24-76O19.3
ENSMUSG00000022526.8	1188.420858	0.801651238	1.57E-06	5.12E-06	Zfp251
ENSMUSG00000115338.2	1365.606635	-1.183093122	1.57E-06	5.13E-06	Pnp
ENSMUSG00000030725.4	209.2034953	1.305083697	1.58E-06	5.14E-06	Lipt2
ENSMUSG00000034777.2	16.11495857	4.114168395	1.58E-06	5.14E-06	Vax2
ENSMUSG00000099703.6	12.73148241	-6.236851176	1.59E-06	5.18E-06	RP23-461O23.5
ENSMUSG00000072919.4	55.62481152	1.790887475	1.59E-06	5.19E-06	Noxred1
ENSMUSG000000021738.5	439.866503	1.132406736	1.60E-06	5.22E-06	Atxn7
ENSMUSG00000073535.5	8.638690854	6.485572849	1.61E-06	5.24E-06	RP24-231D14.1
ENSMUSG00000031622.16	4411.953293	1.02605449	1.62E-06	5.28E-06	Sin3b
ENSMUSG00000043073.10	12.92044663	-4.779272788	1.63E-06	5.32E-06	Usp17le
ENSMUSG00000032409.15	1675.76494	-1.156094735	1.63E-06	5.32E-06	Atr
ENSMUSG00000033411.16	1724.064031	-0.984676894	1.64E-06	5.34E-06	Ctdspl2
ENSMUSG00000057667.7	362.9824111	0.83660897	1.64E-06	5.34E-06	Bloc1s3
ENSMUSG00000097674.1	17.30236741	4.212141783	1.65E-06	5.38E-06	Gm26610
ENSMUSG00000094843.2	304.7187634	-1.017633576	1.66E-06	5.39E-06	Ppp1r2-ps1
ENSMUSG00000083994.1	219.6097726	-1.320406012	1.66E-06	5.39E-06	RP23-229I19.3
ENSMUSG00000001240.13	64.20154785	-1.450553833	1.67E-06	5.43E-06	Ramp2
ENSMUSG00000107006.1	59.62095125	-1.520641102	1.67E-06	5.44E-06	RP23-201D22.4
ENSMUSG00000034345.14	2748.351857	0.973424927	1.68E-06	5.46E-06	Gtf2h5
ENSMUSG00000041323.6	22.41507565	4.332715501	1.68E-06	5.47E-06	Ak7
ENSMUSG00000097496.1	9.000618774	6.546933213	1.68E-06	5.47E-06	RP24-69C19.1
ENSMUSG00000103920.1	16.68424269	6.449854332	1.68E-06	5.47E-06	RP23-476G18.2
ENSMUSG00000020680.15	8782.554843	-0.741563765	1.68E-06	5.47E-06	Taf15
ENSMUSG00000083736.1	2094.81793	-1.440336269	1.69E-06	5.48E-06	RP23-153K9.2
ENSMUSG00000038446.8	1443.512652	-1.051943846	1.69E-06	5.50E-06	Cdc40
ENSMUSG00000021685.11	13.96508551	4.680658419	1.69E-06	5.50E-06	Otp
ENSMUSG00000081212.1	113.7966419	-1.214903416	1.70E-06	5.51E-06	RP23-467O2.4
ENSMUSG00000066491.4	2265.983744	1.354692454	1.71E-06	5.55E-06	RP23-129H12.1
ENSMUSG00000029467.15	18329.02904	-1.460226091	1.71E-06	5.55E-06	Atp2a2
ENSMUSG00000034883.9	259.2873903	-1.340936381	1.71E-06	5.56E-06	Lrr1

ENSMUSG00000107858.1	18.96734648	7.615083954	1.73E-06	5.61E-06	RP23-477A19.4
ENSMUSG00000020817.16	5998.692754	0.610933941	1.73E-06	5.61E-06	Rabep1
ENSMUSG00000032309.15	2385.618528	-0.639916775	1.73E-06	5.63E-06	Fbxo22
ENSMUSG00000101209.1	2645.038461	0.648432446	1.74E-06	5.66E-06	RP23-128A11.4
ENSMUSG00000028882.13	2872.851725	-0.615166795	1.75E-06	5.67E-06	Ppp1r8
ENSMUSG00000074570.14	12.6372	-3.936941362	1.75E-06	5.69E-06	Cass4
ENSMUSG00000109582.1	15.06156785	4.363555526	1.75E-06	5.69E-06	RP24-473D4.3
ENSMUSG00000072930.3	52.79088239	-1.836445786	1.76E-06	5.70E-06	RP23-141I9.1
ENSMUSG00000035027.18	4736.703736	1.013075329	1.78E-06	5.77E-06	Map2k2
ENSMUSG00000004789.10	6241.243164	-0.591567241	1.78E-06	5.79E-06	Dlst
ENSMUSG00000000276.11	2131.799377	1.138074415	1.78E-06	5.79E-06	Dgke
ENSMUSG000000091512.5	1221.296915	0.748426009	1.79E-06	5.81E-06	Lamtor3
ENSMUSG00000022718.12	2682.013914	-0.919933358	1.80E-06	5.83E-06	Dgcr8
ENSMUSG00000039376.13	33.1230795	2.320419538	1.80E-06	5.84E-06	Synpo2l
ENSMUSG000000099654.6	9.344371154	6.606490039	1.80E-06	5.85E-06	RP24-304F16.1
ENSMUSG00000101512.1	9.344371154	6.606490039	1.80E-06	5.85E-06	RP24-294K17.3
ENSMUSG00000103589.5	9.344371154	6.606490039	1.80E-06	5.85E-06	RP24-308E13.4
ENSMUSG00000026374.14	7747.368563	0.879873232	1.81E-06	5.87E-06	Tsn
ENSMUSG00000085803.1	8.41182649	-6.617046626	1.81E-06	5.88E-06	RP23-16B24.3
ENSMUSG00000022146.12	16.46679485	3.240382124	1.82E-06	5.90E-06	Osmr
ENSMUSG00000052151.12	530.1754374	-0.872343039	1.82E-06	5.91E-06	Plpp2
ENSMUSG00000022490.7	1079.151649	1.17194062	1.82E-06	5.92E-06	Ppp1r1a
ENSMUSG000000035266.16	912.7449636	-1.128133282	1.83E-06	5.93E-06	Helq
ENSMUSG00000013611.14	15.55598895	-3.014525603	1.83E-06	5.94E-06	Snx31
ENSMUSG00000027300.9	703.6496445	-0.776271574	1.84E-06	5.96E-06	Ubox5
ENSMUSG00000116066.1	15.72251271	6.36516438	1.85E-06	6.00E-06	RP24-89G21.6
ENSMUSG00000084968.1	14.87372022	3.475947146	1.86E-06	6.02E-06	RP23-406B13.6
ENSMUSG00000087305.8	28.31497603	2.598134391	1.87E-06	6.05E-06	RP24-267I24.2
ENSMUSG00000105171.1	98.37907627	1.157639049	1.87E-06	6.06E-06	RP24-341O14.3
ENSMUSG00000078896.11	507.986034	-1.308790147	1.87E-06	6.06E-06	RP23-282O12.1
ENSMUSG00000040540.6	505.383749	-1.867314079	1.88E-06	6.07E-06	RP23-215E23.6
ENSMUSG00000100515.6	9.254941333	6.591670794	1.88E-06	6.09E-06	RP23-66A20.1
ENSMUSG00000066175.2	31.90039857	2.465122025	1.89E-06	6.11E-06	RP24-464B24.1
ENSMUSG00000097440.2	56.31557273	1.533124994	1.89E-06	6.12E-06	RP23-249P18.1
ENSMUSG00000034928.16	5987.285829	-1.147764653	1.89E-06	6.12E-06	Rnf44
ENSMUSG00000015189.12	1828.322133	0.93894275	1.89E-06	6.13E-06	Casd1
ENSMUSG00000078451.5	37.14274302	1.810268356	1.91E-06	6.19E-06	Ppil6
ENSMUSG00000025200.6	833.0553032	-0.667079589	1.92E-06	6.21E-06	Cwf191l
ENSMUSG00000082480.1	7670.841364	-1.049447897	1.92E-06	6.23E-06	RP23-17O9.2
ENSMUSG00000024856.10	698.3348424	1.155297385	1.95E-06	6.30E-06	Cdk2ap2
ENSMUSG00000038917.4	14.53343656	6.253648648	1.95E-06	6.31E-06	RP23-366O14.1
ENSMUSG00000034919.2	9.492089235	6.613983517	1.95E-06	6.32E-06	Ttc22
ENSMUSG00000046768.13	17.26684089	3.144292619	1.96E-06	6.34E-06	Rhoj
ENSMUSG00000082029.1	7677.768791	0.702627986	1.96E-06	6.34E-06	H3f3c
ENSMUSG00000044916.10	28.79351966	2.425862069	1.96E-06	6.34E-06	RP23-316M14.6
ENSMUSG00000032096.16	7591.157996	-0.842280103	1.96E-06	6.35E-06	Arcn1
ENSMUSG00000042272.17	2739.251768	1.452624896	1.96E-06	6.35E-06	Sestd1
ENSMUSG00000027650.12	1408.131632	-1.449087574	1.97E-06	6.37E-06	Tti1
ENSMUSG00000105449.1	68.80051253	2.429380821	1.97E-06	6.37E-06	RP24-372J15.4
ENSMUSG00000081254.1	723.6411912	-1.221131782	1.98E-06	6.39E-06	RP23-94F11.6
ENSMUSG00000101372.1	95.5534253	-1.836759252	1.98E-06	6.39E-06	RP23-12H12.1
ENSMUSG00000021518.4	2576.61457	0.623719746	1.98E-06	6.40E-06	Ptdss1
ENSMUSG00000022602.14	47.50237067	-2.196470914	1.99E-06	6.41E-06	Arc
ENSMUSG00000040478.14	16.74247176	3.661580868	1.99E-06	6.42E-06	Prdm13
ENSMUSG00000037608.16	10510.00898	-0.781570277	2.00E-06	6.45E-06	Bclaf1
ENSMUSG00000000693.10	153.2077697	-1.620788372	2.00E-06	6.45E-06	Lox3
ENSMUSG00000075304.2	177.1555437	5.321162862	2.01E-06	6.48E-06	Sp5
ENSMUSG00000025588.4	23.83280292	-2.336451431	2.01E-06	6.49E-06	Nat1
ENSMUSG00000039103.12	146.6905473	-0.982980955	2.01E-06	6.49E-06	Nexn
ENSMUSG00000090625.1	82.49631796	1.526551113	2.01E-06	6.49E-06	Gm20721
ENSMUSG00000055184.4	259.1299292	-1.217021424	2.02E-06	6.53E-06	Fam72a
ENSMUSG00000028212.16	1135.106978	-0.611490774	2.03E-06	6.55E-06	Ccne2
ENSMUSG00000017314.12	1235.049928	1.339482955	2.04E-06	6.58E-06	Mpp2
ENSMUSG00000054944.7	9.478292386	6.626983885	2.04E-06	6.58E-06	RP23-79J21.1
ENSMUSG00000061244.14	3818.557423	0.544511712	2.05E-06	6.62E-06	Exoc5
ENSMUSG00000081126.1	734.358648	-2.452776275	2.05E-06	6.62E-06	RP23-214L4.2
ENSMUSG00000022160.18	1412.252906	-0.753778207	2.06E-06	6.63E-06	Mettl3
ENSMUSG00000110409.1	21.72096793	4.552497852	2.06E-06	6.65E-06	RP24-199K4.3
ENSMUSG00000097322.8	56.54996774	1.85971739	2.07E-06	6.67E-06	RP23-438P19.8
ENSMUSG00000035984.14	28.2258994	2.611214333	2.07E-06	6.67E-06	Nme5
ENSMUSG00000031171.11	976.208001	0.701405321	2.08E-06	6.72E-06	Ftsj1
ENSMUSG00000075391.6	2196.273898	-0.66614028	2.09E-06	6.73E-06	RP23-186B18.4
ENSMUSG00000053461.9	22.96317275	2.661589773	2.10E-06	6.77E-06	Hhip2
ENSMUSG00000025221.15	106.4414729	1.461207659	2.11E-06	6.79E-06	Kcnp2
ENSMUSG00000032854.12	431.9660982	-0.821119055	2.11E-06	6.80E-06	Ugt8a
ENSMUSG00000087341.4	18.32714004	-3.245918794	2.11E-06	6.80E-06	RP23-131B11.3
ENSMUSG00000023943.7	17.39444768	-4.062533732	2.12E-06	6.81E-06	Sult1c1
ENSMUSG00000110079.1	27.764995	2.789993052	2.12E-06	6.84E-06	RP24-95N3.2
ENSMUSG00000027957.13	1193.612983	-1.033123902	2.13E-06	6.85E-06	Slc35a3
ENSMUSG00000044156.14	23.06688628	2.655642988	2.14E-06	6.90E-06	Hepacam2
ENSMUSG00000028962.14	1297.38549	-0.994351758	2.15E-06	6.92E-06	Slc4a2
ENSMUSG00000022768.17	129.2766906	-0.977368128	2.16E-06	6.96E-06	Ccdc116
ENSMUSG00000107148.1	13.74373057	6.178892095	2.17E-06	6.99E-06	RP23-114M24.1

ENSMUSG00000024740.9	24153.88248	-0.596796588	2.17E-06	7.00E-06	Ddb1
ENSMUSG00000029569.9	1068.571884	-0.768593787	2.18E-06	7.01E-06	Tmem168
ENSMUSG00000024215.13	18.10940187	3.607270223	2.18E-06	7.03E-06	Spdef
ENSMUSG000000097399.7	20.10881759	3.261397969	2.18E-06	7.03E-06	RP24-194D17.4
ENSMUSG00000116892.1	25.30578456	-2.829199825	2.19E-06	7.04E-06	RP24-401J11.3
ENSMUSG00000096727.2	50.41753081	1.993700398	2.20E-06	7.07E-06	Psmb9
ENSMUSG00000030681.18	119.7294052	1.038955488	2.20E-06	7.07E-06	Mvp
ENSMUSG00000032688.8	442.9509162	-1.389361304	2.20E-06	7.08E-06	Malt1
ENSMUSG000000097789.2	8.366705473	6.442774877	2.22E-06	7.13E-06	RP23-121N17.2
ENSMUSG00000039117.16	1445.954058	-1.302257183	2.22E-06	7.14E-06	Taf4
ENSMUSG00000024911.6	872.1541888	0.963973566	2.23E-06	7.15E-06	Fibp
ENSMUSG00000035268.14	1376.805884	1.493219703	2.23E-06	7.16E-06	Pkig
ENSMUSG00000082593.1	12.77413089	-4.754775874	2.23E-06	7.17E-06	RP23-90I3.3
ENSMUSG00000001739.14	32.69110375	2.414870099	2.23E-06	7.17E-06	Cldn15
ENSMUSG00000086266.1	44.54433888	2.180853803	2.24E-06	7.19E-06	Igf2os
ENSMUSG00000034573.14	1878.512335	-1.634507471	2.24E-06	7.20E-06	Ptpn13
ENSMUSG00000037993.8	2717.293066	-1.344483553	2.24E-06	7.20E-06	Dhx38
ENSMUSG00000085684.2	14.52157739	3.964407679	2.25E-06	7.23E-06	RP23-73A4.3
ENSMUSG00000030942.8	4076.070412	-0.514565981	2.25E-06	7.23E-06	Thumpd1
ENSMUSG00000031156.18	768.0355445	0.684008139	2.27E-06	7.28E-06	Slc35a2
ENSMUSG00000103959.2	8.72476742	6.494036994	2.27E-06	7.28E-06	RP24-231P10.1
ENSMUSG00000108350.1	18.79820513	3.842646037	2.27E-06	7.28E-06	RP24-174G2.1
ENSMUSG00000113387.1	9.980442217	6.687857609	2.28E-06	7.33E-06	RP23-49J15.1
ENSMUSG00000041205.8	45.32520287	2.214744349	2.28E-06	7.33E-06	Map6d1
ENSMUSG00000028794.13	21.44759449	4.885756271	2.28E-06	7.33E-06	A3galt2
ENSMUSG00000097589.9	563.3071606	-0.760182268	2.29E-06	7.35E-06	Dleu2
ENSMUSG00000036106.15	386.620036106	-0.833536156	2.30E-06	7.37E-06	Prr5
ENSMUSG00000035064.17	774.1058354	1.176277612	2.30E-06	7.39E-06	Eef2k
ENSMUSG00000069895.4	1908.037949	-1.667851619	2.31E-06	7.41E-06	Atxn11
ENSMUSG00000036109.17	185.663014	-1.037958523	2.31E-06	7.41E-06	Mbnl3
ENSMUSG00000083912.1	594.87065254	-1.342214694	2.31E-06	7.42E-06	RP23-258B4.2
ENSMUSG00000045932.12	187.882361	-1.35864959	2.32E-06	7.45E-06	Ifit2
ENSMUSG00000020447.5	73.28598354	-1.273380739	2.33E-06	7.46E-06	Npc111
ENSMUSG00000040525.13	13.29744041	-4.812583405	2.33E-06	7.47E-06	Cbcl
ENSMUSG00000107823.1	16.79639601	7.438813758	2.33E-06	7.47E-06	RP23-62E9.5
ENSMUSG00000035960.14	6199.661494	-1.137405185	2.33E-06	7.48E-06	Apex1
ENSMUSG00000041449.16	8.801702772	6.519373483	2.33E-06	7.48E-06	Serpina3h
ENSMUSG00000014496.8	2817.816331	-1.190359719	2.34E-06	7.50E-06	Ankrd28
ENSMUSG00000048721.2	14.63183193	5.348539813	2.34E-06	7.51E-06	Fndc9
ENSMUSG00000047295.16	8.444546224	-6.626103635	2.35E-06	7.54E-06	Smgc
ENSMUSG00000032103.10	714.4839614	-0.652105398	2.36E-06	7.56E-06	Pus3
ENSMUSG00000053012.17	503.3590595	0.977167354	2.36E-06	7.57E-06	Krcc1
ENSMUSG00000021918.10	932.8284896	-0.778652058	2.37E-06	7.59E-06	Nek4
ENSMUSG00000041645.14	6505.042656	-0.494023726	2.38E-06	7.63E-06	Ddx24
ENSMUSG00000019054.13	3355.145828	1.602116693	2.40E-06	7.67E-06	Fis1
ENSMUSG00000016308.12	965.5027168	0.847213226	2.40E-06	7.68E-06	Ube2a
ENSMUSG00000113899.1	206.5891633	1.003383695	2.41E-06	7.70E-06	RP23-191N15.2
ENSMUSG00000108494.1	24.83073008	2.59884199	2.41E-06	7.71E-06	RP24-259P13.3
ENSMUSG00000045092.8	77.97431281	1.260781498	2.41E-06	7.72E-06	S1pr1
ENSMUSG00000113332.1	42.91805162	1.748906147	2.41E-06	7.72E-06	RP24-316P8.6
ENSMUSG00000112106.1	34.76272584	3.86809757	2.42E-06	7.73E-06	RP24-74G10.4
ENSMUSG00000020648.3	308.93774	-0.80771968	2.43E-06	7.79E-06	Dus4l
ENSMUSG00000076434.9	13.05725125	6.0994846	2.44E-06	7.79E-06	Wfdc3
ENSMUSG00000092275.1	8.646044991	-6.659307969	2.44E-06	7.81E-06	RP24-118B12.1
ENSMUSG00000024082.4	835.031239	0.64048762	2.45E-06	7.82E-06	Ndufaf7
ENSMUSG00000026311.16	1105.775608	0.778235883	2.45E-06	7.82E-06	Asb1
ENSMUSG00000020694.17	4101.530226	-0.652402186	2.45E-06	7.83E-06	Tlk2
ENSMUSG00000083838.1	133.0457686	-1.125806253	2.45E-06	7.85E-06	RP23-81P12.12
ENSMUSG00000081239.3	1426.409985	1.450314633	2.46E-06	7.86E-06	RP23-170L19.1
ENSMUSG000000091243.2	40.04224789	1.987849419	2.46E-06	7.87E-06	Vgll3
ENSMUSG00000083649.5	233.6242708	-1.456864397	2.46E-06	7.87E-06	Rasl2-9
ENSMUSG00000007476.18	727.8411871	0.723610484	2.47E-06	7.88E-06	Lrrc8a
ENSMUSG00000022500.15	958.2502873	-0.624944519	2.47E-06	7.89E-06	Litaf
ENSMUSG00000074754.4	295.9589199	1.302697037	2.48E-06	7.91E-06	RP23-70J9.6
ENSMUSG00000037007.17	954.4225008	0.804294198	2.49E-06	7.95E-06	Zfp113
ENSMUSG00000030795.18	13060.56593	-1.090459925	2.49E-06	7.95E-06	Fus
ENSMUSG00000108291.1	31.31471781	3.57563368	2.49E-06	7.95E-06	RP23-20K24.9
ENSMUSG00000068748.7	877.1742577	1.372102864	2.49E-06	7.96E-06	Ptprz1
ENSMUSG00000079478.8	1394.53773	-0.936000598	2.50E-06	7.97E-06	Sssca1
ENSMUSG00000024045.5	5152.545689	-0.972035828	2.50E-06	7.97E-06	Akap8
ENSMUSG000000081189.1	28.14557412	-2.703309843	2.50E-06	7.97E-06	Hspd1-ps4
ENSMUSG00000043131.14	2362.046133	-0.894025525	2.50E-06	7.99E-06	Mob1a
ENSMUSG00000002668.7	78.39134355	-1.759818928	2.51E-06	8.01E-06	Dennd1c
ENSMUSG00000020838.12	20.93070226	2.412962434	2.51E-06	8.01E-06	Slc6a4
ENSMUSG00000056427.10	416.3887117	1.21095804	2.53E-06	8.06E-06	Slit3
ENSMUSG00000038497.7	776.2443336	0.899724075	2.55E-06	8.15E-06	Tmco3
ENSMUSG00000034342.9	5546.135495	-1.656988217	2.56E-06	8.16E-06	Cbl
ENSMUSG00000032281.11	46.99964041	-1.850142145	2.56E-06	8.18E-06	Acsbg1
ENSMUSG00000059022.14	136.0838415	-1.101287576	2.57E-06	8.18E-06	Kcp
ENSMUSG00000025139.14	2315.996603	0.776192978	2.57E-06	8.18E-06	Tollip
ENSMUSG00000077714.1	13.05220879	-3.727033202	2.57E-06	8.21E-06	Snord17
ENSMUSG00000029484.12	258.4582051	1.246557746	2.58E-06	8.21E-06	Anxa3
ENSMUSG00000032557.13	2111.820659	0.747001896	2.58E-06	8.23E-06	Uba5

ENSMUSG00000083245.1	49.15121862	-1.654223627	2.58E-06	8.23E-06	RP23-17O21.1
ENSMUSG00000038534.17	419.3166343	1.062861728	2.58E-06	8.23E-06	Osbp17
ENSMUSG00000012296.16	1372.05872	-1.366958255	2.59E-06	8.24E-06	Tjap1
ENSMUSG00000021224.15	1041.881676	-1.253887808	2.59E-06	8.25E-06	Numb
ENSMUSG00000035964.8	1538.831354	0.913942281	2.61E-06	8.31E-06	Tmem59l
ENSMUSG00000035211.9	25.61031379	2.274882673	2.61E-06	8.32E-06	Xrra1
ENSMUSG00000044551.13	222.4502759	0.906881833	2.61E-06	8.33E-06	RP23-359F5.1
ENSMUSG00000023235.14	691.3633625	0.910942257	2.63E-06	8.37E-06	Ccl25
ENSMUSG00000042328.13	1061.660919	0.741570199	2.63E-06	8.38E-06	Hps4
ENSMUSG00000061388.11	9.034430815	6.557988922	2.64E-06	8.41E-06	Csn1s2b
ENSMUSG00000003226.7	10359.30087	-1.599536833	2.65E-06	8.42E-06	Ranbp2
ENSMUSG00000056673.14	492.9347633	-1.493628814	2.65E-06	8.42E-06	Kdm5d
ENSMUSG00000047992.10	32.96692475	1.930502449	2.65E-06	8.42E-06	Fam69c
ENSMUSG00000097091.1	24.09214371	-3.172855089	2.67E-06	8.49E-06	RP24-362O23.1
ENSMUSG00000081210.1	6017.050954	-1.010932101	2.67E-06	8.51E-06	RP23-120H2.1
ENSMUSG00000020212.14	865.8186074	-0.847168906	2.68E-06	8.52E-06	Mdm1
ENSMUSG00000025626.16	3728.856076	-0.924267988	2.68E-06	8.53E-06	Phf6
ENSMUSG00000050174.15	125.3693663	1.051924579	2.69E-06	8.56E-06	Nudt6
ENSMUSG00000085526.1	15.6834922	5.461681605	2.70E-06	8.57E-06	AC122773.2
ENSMUSG00000029552.19	1349.019095	0.672146477	2.70E-06	8.58E-06	Tes
ENSMUSG00000113491.1	623.0977861	-1.469224899	2.71E-06	8.63E-06	RP23-359M9.6
ENSMUSG00000035284.10	1729.190072	-1.776765989	2.72E-06	8.66E-06	Vps13c
ENSMUSG00000074682.4	1693.26	-0.945539972	2.72E-06	8.66E-06	Zcchc3
ENSMUSG00000099449.1	8.831648841	6.520519697	2.72E-06	8.66E-06	RP23-18O23.1
ENSMUSG00000072905.5	76.31687924	-1.775069614	2.74E-06	8.70E-06	RP24-376E16.4
ENSMUSG00000086784.2	458.1997515	-0.888704546	2.75E-06	8.73E-06	Isoc2a
ENSMUSG00000086350.1	43.4229512	2.044632044	2.75E-06	8.75E-06	AC166710.3
ENSMUSG00000028710.17	1002.150547	-0.668587064	2.76E-06	8.77E-06	Atpaf1
ENSMUSG00000027884.16	1007.017082	0.745908975	2.76E-06	8.78E-06	Cicc1
ENSMUSG00000029723.16	986.797821	-0.66683533	2.76E-06	8.78E-06	Tsc22d4
ENSMUSG00000111942.1	5015.501726	-2.384343916	2.77E-06	8.80E-06	RP23-36H21.3
ENSMUSG00000029675.12	61.8802476	2.013346141	2.78E-06	8.82E-06	Ein
ENSMUSG00000083097.3	4295.061715	-1.035994918	2.79E-06	8.85E-06	RP23-244H7.4
ENSMUSG00000020328.10	4476.321194	-1.035216745	2.79E-06	8.87E-06	Nudcd2
ENSMUSG00000018604.18	29.28900574	2.26075874	2.80E-06	8.87E-06	Tbx3
ENSMUSG00000022372.14	13.00179713	6.099420134	2.81E-06	8.92E-06	Sla
ENSMUSG00000066258.13	20.10490852	-2.404627082	2.83E-06	8.99E-06	Trim12a
ENSMUSG000000881553.1	228.0955385	-1.429484628	2.84E-06	9.00E-06	Ccdc50-ps
ENSMUSG00000026211.17	1962.449791	-1.046841173	2.84E-06	9.00E-06	Obsl1
ENSMUSG00000035585.16	3504.706482	1.112477651	2.84E-06	9.02E-06	Tsen34
ENSMUSG00000032407.14	7595.400141	-0.623096562	2.86E-06	9.06E-06	U2surp
ENSMUSG00000024940.10	265.38746	1.185387756	2.86E-06	9.08E-06	Ltbp3
ENSMUSG00000025283.15	1146.284	1.191598197	2.86E-06	9.08E-06	Sat1
ENSMUSG00000039474.13	843.5570238	-0.670266408	2.87E-06	9.10E-06	Wfs1
ENSMUSG00000027176.8	2434.234835	-0.606959556	2.88E-06	9.12E-06	Cstf3
ENSMUSG00000052353.13	50.706422	2.036397343	2.89E-06	9.16E-06	Cemip
ENSMUSG00000000826.16	7070.381634	0.863131119	2.92E-06	9.26E-06	Dnajc5
ENSMUSG00000113650.1	13.55669917	-4.083041651	2.93E-06	9.28E-06	RP23-220J15.3
ENSMUSG00000108026.1	8.553403949	6.465752103	2.94E-06	9.33E-06	RP24-174O2.8
ENSMUSG00000035206.10	1101.338977	0.705197662	2.94E-06	9.33E-06	Spp12b
ENSMUSG00000079477.9	7202.342222	0.546271119	2.94E-06	9.33E-06	Rab7
ENSMUSG00000068329.12	1493.2266	-0.650055522	2.95E-06	9.36E-06	Htra2
ENSMUSG00000037982.16	14.2925358	3.941882538	2.97E-06	9.40E-06	AC087115.1
ENSMUSG00000024048.14	3929.711101	-0.944301478	2.97E-06	9.40E-06	Myl12a
ENSMUSG00000028467.15	1823.095572	0.937567143	2.97E-06	9.42E-06	Gba2
ENSMUSG00000025203.5	48220.86074	-0.979369292	2.98E-06	9.44E-06	Scd2
ENSMUSG00000043126.5	13.75906234	3.595001854	2.98E-06	9.44E-06	RP23-55A6.5
ENSMUSG00000105833.1	66.64060497	1.269930674	3.00E-06	9.49E-06	RP24-405C17.4
ENSMUSG00000110591.1	10.72845617	6.806157256	3.00E-06	9.50E-06	RP24-344F.2.1
ENSMUSG000000044147.8	1672.765715	-0.658640179	3.00E-06	9.50E-06	Arf6
ENSMUSG00000116858.1	504.3942591	1.019659147	3.00E-06	9.51E-06	RP24-75N14.3
ENSMUSG00000031641.14	592.1002309	0.775268849	3.01E-06	9.54E-06	Cbr4
ENSMUSG00000026097.9	1417.18814	1.116089182	3.04E-06	9.61E-06	Ormdl1
ENSMUSG00000028990.13	1126.885124	0.58882914	3.04E-06	9.63E-06	Lzic
ENSMUSG00000018932.9	1190.299995	-0.711798845	3.06E-06	9.69E-06	Map2k3
ENSMUSG00000031918.16	2824.104159	-0.816703844	3.06E-06	9.69E-06	Mttr2
ENSMUSG00000053477.17	2794.795646	-0.748543976	3.07E-06	9.72E-06	Tcf4
ENSMUSG00000042523.12	644.9475735	1.343251652	3.07E-06	9.72E-06	Dnal1
ENSMUSG00000027078.14	72.19021441	1.743221432	3.08E-06	9.73E-06	Ube2l6
ENSMUSG00000036398.13	1970.334422	1.251198435	3.10E-06	9.80E-06	Ppp1r11
ENSMUSG00000085175.7	147.4513202	1.720228374	3.10E-06	9.81E-06	RP23-316C11.7
ENSMUSG00000087298.3	548.0623267	-0.985199284	3.11E-06	9.83E-06	AC090123.2
ENSMUSG00000039031.16	378.5932207	0.745891395	3.12E-06	9.85E-06	Arhgap18
ENSMUSG00000032285.15	189.1786246	1.041878038	3.14E-06	9.92E-06	Dnaja4
ENSMUSG00000020907.1	7.544599954	-6.459727253	3.15E-06	9.97E-06	Rcvrn
ENSMUSG00000025958.14	2390.322465	-0.748483321	3.16E-06	9.98E-06	Creb1
ENSMUSG00000042002.11	45.08828912	-3.245212699	3.18E-06	1.00E-05	Foxn4
ENSMUSG00000032502.8	8.345110957	6.435070104	3.19E-06	1.01E-05	Stac
ENSMUSG00000032112.10	2992.974602	1.459900513	3.20E-06	1.01E-05	Trappc4
ENSMUSG00000028487.18	164.6991466	1.421279675	3.21E-06	1.01E-05	Bnc2
ENSMUSG00000114951.1	2191.09566	-1.462655557	3.21E-06	1.01E-05	RP24-482L4.1
ENSMUSG00000092192.7	30.50129502	1.941576332	3.22E-06	1.02E-05	Dyx1c1
ENSMUSG00000049538.14	30.97554853	2.368822158	3.22E-06	1.02E-05	Adams16

ENSMUSG00000114940.1	2190.929228	-1.462506183	3.22E-06	1.02E-05	RP24-482L4.7
ENSMUSG00000084329.1	898.7178871	-1.314679606	3.22E-06	1.02E-05	RP23-327G1.4
ENSMUSG00000042699.11	17558.79246	-1.291672758	3.23E-06	1.02E-05	Dhx9
ENSMUSG00000044279.15	57.44748995	-1.426062111	3.23E-06	1.02E-05	Crb3
ENSMUSG00000027088.10	752.7174652	0.787277186	3.26E-06	1.03E-05	Phospho2
ENSMUSG00000034903.18	259.3597777	-1.562669266	3.28E-06	1.03E-05	Cobll1
ENSMUSG00000027505.2	14.72608292	4.003291366	3.28E-06	1.04E-05	Fam209
ENSMUSG00000033943.15	4600.471205	-1.638928506	3.29E-06	1.04E-05	Mga
ENSMUSG00000039298.16	2470.618936	-0.983974886	3.30E-06	1.04E-05	Cdk5rap2
ENSMUSG00000085665.1	45.22198324	2.029029329	3.30E-06	1.04E-05	RP23-160F12.2
ENSMUSG00000027936.18	885.0037564	-0.849890382	3.31E-06	1.04E-05	Crtc2
ENSMUSG00000115707.1	348.3458368	-1.502397959	3.31E-06	1.04E-05	RP23-88A20.3
ENSMUSG00000050114.7	63.92234868	-1.837474931	3.32E-06	1.05E-05	Prdx6b
ENSMUSG00000096943.1	26.01816349	2.863663742	3.32E-06	1.05E-05	Gm26721
ENSMUSG00000050150.16	12.85608264	-4.773188524	3.33E-06	1.05E-05	Slc9b1
ENSMUSG00000032786.16	683.6097128	0.748433207	3.36E-06	1.06E-05	Alas1
ENSMUSG00000027276.7	931.0082191	-1.046259724	3.36E-06	1.06E-05	Jag1
ENSMUSG00000085472.1	8.726818295	6.508229468	3.38E-06	1.07E-05	RP24-287O1.2
ENSMUSG00000067149.6	14.11104036	6.219882098	3.39E-06	1.07E-05	Jchain
ENSMUSG00000026604.17	1382.174822	-1.370586343	3.40E-06	1.07E-05	Ptpn14
ENSMUSG00000038260.10	189.5464208	1.019934761	3.40E-06	1.07E-05	Trpm4
ENSMUSG00000062284.5	880.8404588	-1.726699203	3.43E-06	1.08E-05	RP23-444N1.5
ENSMUSG00000045319.13	138.1920129	-1.062582068	3.46E-06	1.09E-05	Proser2
ENSMUSG00000084817.3	7856.592695	1.569457964	3.46E-06	1.09E-05	AC121575.1
ENSMUSG00000038024.17	1031.028318	-1.420260619	3.46E-06	1.09E-05	Dennd4c
ENSMUSG00000032329.4	2662.341386	0.858793348	3.49E-06	1.10E-05	Hmg20a
ENSMUSG00000030098.15	114.5561107	1.921453716	3.50E-06	1.10E-05	Grip2
ENSMUSG00000052560.15	104.3086983	1.068076782	3.50E-06	1.10E-05	Cpne8
ENSMUSG00000060621.6	18.07492609	2.815075631	3.50E-06	1.10E-05	Nkpd1
ENSMUSG00000098076.1	41.56337026	-1.699996053	3.52E-06	1.11E-05	RP24-493B12.1
ENSMUSG00000020189.14	1963.950193	1.356868428	3.52E-06	1.11E-05	Osbpl8
ENSMUSG00000026608.13	3308.844701	-0.793222524	3.53E-06	1.11E-05	Kctd3
ENSMUSG00000036112.15	12977.11686	-0.75813037	3.53E-06	1.11E-05	Metap2
ENSMUSG00000047911.6	31.0202029	2.142754342	3.55E-06	1.12E-05	Npm2
ENSMUSG00000014554.13	598.5002898	0.755308002	3.56E-06	1.12E-05	Dguok
ENSMUSG00000040187.15	22.6511706	2.470873438	3.59E-06	1.13E-05	Arntl2
ENSMUSG00000068105.11	31.22345464	-2.172834805	3.59E-06	1.13E-05	Tnfrsf13c
ENSMUSG00000021712.15	1527.6677	0.762231268	3.60E-06	1.13E-05	Trim23
ENSMUSG00000054733.9	367.0521774	1.084172449	3.61E-06	1.14E-05	MsrA
ENSMUSG00000115280.1	817.0651706	-1.498742146	3.63E-06	1.14E-05	RP23-126F14.7
ENSMUSG00000038324.13	4969.576778	0.70076571	3.63E-06	1.14E-05	Trpc4ap
ENSMUSG00000022614.8	1242.329247	-0.767291497	3.64E-06	1.14E-05	Lmf2
ENSMUSG00000074916.5	67.24309887	-1.46002272	3.64E-06	1.14E-05	Chst14
ENSMUSG00000102752.1	186.9236137	0.976986753	3.65E-06	1.15E-05	RP23-124N16.6
ENSMUSG00000010311.15	16.5321591	3.906746426	3.65E-06	1.15E-05	Optc
ENSMUSG00000031788.14	573.2995665	1.178167421	3.66E-06	1.15E-05	Kifc3
ENSMUSG00000087644.1	19.88652313	3.205150673	3.67E-06	1.15E-05	RP23-54C14.5
ENSMUSG00000017400.10	52.48534984	-1.574742157	3.69E-06	1.16E-05	Stac2
ENSMUSG00000104501.1	13.8873539	-5.481990065	3.69E-06	1.16E-05	RP23-23C9.1
ENSMUSG00000026489.13	76.63637997	1.283904853	3.70E-06	1.16E-05	Adck3
ENSMUSG00000053830.4	717.3147887	-1.393483789	3.71E-06	1.16E-05	RP23-360H23.1
ENSMUSG00000020176.17	4510.883873	1.11261048	3.75E-06	1.18E-05	Grb10
ENSMUSG00000097287.3	24.65410503	3.438022766	3.75E-06	1.18E-05	RP23-151C5.1
ENSMUSG0000005087.17	403.3461159	-0.930550373	3.78E-06	1.19E-05	Cd44
ENSMUSG00000035840.7	1034.96124	-0.75881543	3.79E-06	1.19E-05	Lysmd3
ENSMUSG00000042097.17	684.6937319	-1.156704624	3.82E-06	1.20E-05	Zfp239
ENSMUSG00000113971.1	75.61437336	-1.758001579	3.82E-06	1.20E-05	RP24-376E16.5
ENSMUSG00000105700.1	8.712549894	6.489805555	3.82E-06	1.20E-05	RP24-158C2.3
ENSMUSG00000062590.13	776.7732093	0.614168333	3.84E-06	1.20E-05	Armc9
ENSMUSG00000024527.9	3913.952061	-0.694231553	3.86E-06	1.21E-05	Afg3l2
ENSMUSG00000027375.14	27.41242922	2.021495099	3.87E-06	1.21E-05	Mal
ENSMUSG00000025013.14	53.26794043	1.888667263	3.88E-06	1.22E-05	Tll2
ENSMUSG00000028619.15	720.5116936	0.62283656	3.90E-06	1.22E-05	Tceanc2
ENSMUSG00000000402.2	44.04601845	-1.836595724	3.90E-06	1.22E-05	Egfl6
ENSMUSG00000039987.15	2252.988879	-1.062046134	3.91E-06	1.22E-05	Phtf2
ENSMUSG00000112067.1	8.069772322	6.381826893	3.92E-06	1.23E-05	RP23-38L16.4
ENSMUSG00000030075.10	338.7914612	1.438206042	3.93E-06	1.23E-05	Cntn3
ENSMUSG00000103038.1	17.99934324	4.607890998	3.94E-06	1.23E-05	RP23-393I12.3
ENSMUSG00000002625.9	2306.963465	0.528424871	3.95E-06	1.24E-05	Akap8l
ENSMUSG00000082284.1	3676.758237	0.716527821	3.95E-06	1.24E-05	H3f3a-ps1
ENSMUSG00000040891.6	16.78631317	-3.374113936	3.95E-06	1.24E-05	Foxa3
ENSMUSG00000055732.1	12.29844464	6.010915835	3.97E-06	1.24E-05	RP24-132N9.5
ENSMUSG00000078915.2	422.4964292	-0.972233775	3.98E-06	1.24E-05	RP23-54F9.1
ENSMUSG00000102553.1	64.71370046	2.27986611	3.98E-06	1.24E-05	RP23-334M9.3
ENSMUSG000000089787.2	8.246304147	6.416514934	3.99E-06	1.25E-05	AC098736.3
ENSMUSG00000001632.16	2550.738902	-0.893576901	3.99E-06	1.25E-05	Brpf1
ENSMUSG00000090266.10	457.5980454	1.220036848	4.01E-06	1.26E-05	Mettl23
ENSMUSG000000097929.9	258.0852598	0.929525909	4.02E-06	1.26E-05	Tunar
ENSMUSG00000097636.7	12.97864859	6.085420789	4.03E-06	1.26E-05	Mirt1
ENSMUSG00000094841.2	8.023465812	6.378703043	4.04E-06	1.26E-05	RP23-184F6.4
ENSMUSG00000102316.1	15.62438667	4.840209649	4.05E-06	1.27E-05	RP23-331M15.1
ENSMUSG00000019864.14	601.4229641	-0.786048621	4.06E-06	1.27E-05	Rtn4ip1
ENSMUSG00000085521.3	1477.876632	1.184274584	4.07E-06	1.27E-05	RP23-31O23.5

ENSMUSG00000106317.1	50.85700295	1.599130052	4.09E-06	1.28E-05	RP24-500I24.6
ENSMUSG00000031828.9	150.9434751	1.294174361	4.09E-06	1.28E-05	Klhl36
ENSMUSG00000069083.4	14996.06626	-0.54108144	4.10E-06	1.28E-05	RP24-117N14.1
ENSMUSG00000021959.16	330.7738171	0.965034799	4.10E-06	1.28E-05	Lats2
ENSMUSG00000031133.12	27.02449162	2.440785025	4.11E-06	1.29E-05	Arhgef6
ENSMUSG00000037503.12	7932.557268	1.086078726	4.13E-06	1.29E-05	Fam168b
ENSMUSG00000041681.2	9.529018755	6.618127117	4.13E-06	1.29E-05	Iapp
ENSMUSG00000022026.7	7.722902464	6.323753006	4.14E-06	1.29E-05	Olfm4
ENSMUSG00000019301.5	18.85291637	3.856329061	4.15E-06	1.30E-05	Hsd17b1
ENSMUSG00000061549.6	13.26393985	-4.811658452	4.18E-06	1.31E-05	Olfir301
ENSMUSG00000070031.11	16.60544786	-2.873284891	4.19E-06	1.31E-05	Sp140
ENSMUSG00000079031.1	75.46305293	-1.754272726	4.19E-06	1.31E-05	RP24-376E16.3
ENSMUSG00000038168.5	278.7874695	-0.836105178	4.20E-06	1.31E-05	P3h2
ENSMUSG00000097788.2	12.07828319	5.986704265	4.20E-06	1.31E-05	RP23-70L9.3
ENSMUSG00000106262.1	83.14459939	-2.591883468	4.20E-06	1.31E-05	RP23-49O17.4
ENSMUSG00000078879.10	484.3192645	-1.370354904	4.21E-06	1.31E-05	RP24-562O19.3
ENSMUSG00000078532.9	1050.295492	1.246424417	4.22E-06	1.32E-05	Nkain1
ENSMUSG00000080727.2	27.44844321	4.17363678	4.24E-06	1.32E-05	C920021L13Rik
ENSMUSG00000016409.4	1939.138839	0.924973615	4.25E-06	1.32E-05	Nkap
ENSMUSG00000063605.5	328.6325917	-0.813160766	4.26E-06	1.33E-05	Ccdc102a
ENSMUSG00000079644.2	22.87623528	-2.560824632	4.26E-06	1.33E-05	RP23-403D16.2
ENSMUSG0000000154.16	37.74727874	2.258198927	4.26E-06	1.33E-05	Slc22a18
ENSMUSG00000036840.5	1273.325458	0.56356639	4.28E-06	1.33E-05	Siah1a
ENSMUSG00000112311.1	26.8144304	2.155182048	4.29E-06	1.34E-05	RP24-219P17.8
ENSMUSG00000008136.14	258.1542037	-0.931834969	4.29E-06	1.34E-05	Fhl2
ENSMUSG00000039470.15	1954.18378	-0.552228499	4.29E-06	1.34E-05	Zdhhc2
ENSMUSG00000075302.10	18.70188154	4.687158809	4.30E-06	1.34E-05	Erich2
ENSMUSG00000107859.1	8.412499265	6.44226189	4.31E-06	1.34E-05	RP23-381K3.5
ENSMUSG00000028642.7	7.974318766	6.371159858	4.31E-06	1.34E-05	Tmem269
ENSMUSG00000002064.10	3667.874607	1.233968743	4.32E-06	1.35E-05	Sdf2
ENSMUSG00000019813.16	419.0136217	-0.724352498	4.33E-06	1.35E-05	Cep5711
ENSMUSG00000039701.11	604.1011079	-1.188913669	4.35E-06	1.35E-05	Usp53
ENSMUSG00000011179.8	21849.0025	-0.778472365	4.35E-06	1.35E-05	Odc1
ENSMUSG00000010342.16	17.58938848	3.36702176	4.35E-06	1.36E-05	Tex14
ENSMUSG00000113348.1	74.27632261	-1.739557154	4.35E-06	1.36E-05	RP23-174O6.22
ENSMUSG00000028218.19	1530.486098	1.080959924	4.36E-06	1.36E-05	Fam92a
ENSMUSG00000113983.1	95.31451931	-1.280652296	4.36E-06	1.36E-05	RP23-136M7.6
ENSMUSG00000022180.7	298.131158	-1.096108253	4.37E-06	1.36E-05	Slc7a8
ENSMUSG00000092428.1	338.0370186	0.983535597	4.37E-06	1.36E-05	RP23-108F2.25
ENSMUSG00000052105.16	3114.107835	-1.262633896	4.38E-06	1.36E-05	Mtcl1
ENSMUSG00000030889.14	56.78376733	1.818623608	4.38E-06	1.36E-05	Vwa3a
ENSMUSG00000036916.13	2311.969908	-1.398158882	4.38E-06	1.36E-05	Zfp280c
ENSMUSG00000081176.1	6061.952586	0.659315162	4.38E-06	1.36E-05	H3f3a-ps2
ENSMUSG00000060743.12	24300.93329	0.901292581	4.39E-06	1.37E-05	H3f3a
ENSMUSG00000104625.1	19.4220143	5.756647314	4.39E-06	1.37E-05	RP23-342M4.4
ENSMUSG00000042256.4	86.11300331	-1.206588462	4.41E-06	1.37E-05	Ptchd4
ENSMUSG00000061536.13	851.5786111	1.214009572	4.42E-06	1.37E-05	Sec22c
ENSMUSG00000109032.1	134.4090093	-1.59927424	4.43E-06	1.38E-05	RP24-365N15.2
ENSMUSG00000042506.15	14970.78973	1.381370228	4.43E-06	1.38E-05	Usp22
ENSMUSG00000107531.1	45.74319197	2.257015512	4.44E-06	1.38E-05	RP23-89F9.3
ENSMUSG00000023919.7	521.1956494	-0.650873247	4.47E-06	1.39E-05	Cenpq
ENSMUSG00000104145.1	21.77887636	3.540723469	4.50E-06	1.40E-05	RP23-44N5.3
ENSMUSG00000106182.1	99.51500896	-1.415959563	4.51E-06	1.40E-05	RP23-105K2.2
ENSMUSG00000083090.1	12.70638627	6.066411265	4.51E-06	1.40E-05	RP23-407I21.6
ENSMUSG00000037393.2	15.07503616	3.506006482	4.52E-06	1.40E-05	Nmur2
ENSMUSG00000084401.1	131.6835228	1.1953188	4.54E-06	1.41E-05	RP23-342H16.3
ENSMUSG00000054894.6	155.0232777	1.062110248	4.55E-06	1.41E-05	Atp5s
ENSMUSG00000031652.11	2530.438594	-0.966941722	4.58E-06	1.42E-05	N4bp1
ENSMUSG00000116571.1	25.98301821	3.801167633	4.59E-06	1.42E-05	RP24-535O17.5
ENSMUSG00000040658.6	813.8086765	-1.373407842	4.59E-06	1.43E-05	Dnph1
ENSMUSG00000029228.15	20.1181939	-2.688143689	4.60E-06	1.43E-05	Lnx1
ENSMUSG00000020300.14	2517.72705	1.448737143	4.60E-06	1.43E-05	Cpeb4
ENSMUSG00000070923.4	4090.29439	0.538811227	4.61E-06	1.43E-05	Klhl9
ENSMUSG00000103851.1	9.761234079	6.652845828	4.61E-06	1.43E-05	RP23-65G17.3
ENSMUSG00000035578.16	149.9870659	1.016055872	4.61E-06	1.43E-05	lqcg
ENSMUSG00000059554.12	358.6108544	0.792591328	4.61E-06	1.43E-05	Ccdc28a
ENSMUSG00000058454.15	3792.164435	-0.92585388	4.61E-06	1.43E-05	Dhcr7
ENSMUSG00000037405.8	196.8009049	-0.866139028	4.62E-06	1.43E-05	Icam1
ENSMUSG00000092019.4	74.94365677	-1.741291342	4.64E-06	1.44E-05	RP23-465O13.1
ENSMUSG00000035696.15	2916.812051	1.408371912	4.66E-06	1.45E-05	Rnf38
ENSMUSG00000028909.17	386.9577427	1.371263455	4.67E-06	1.45E-05	Ptpru
ENSMUSG00000097837.1	111.5017296	-1.295953025	4.71E-06	1.46E-05	Gm26794
ENSMUSG00000063904.3	5035.324867	0.502510542	4.73E-06	1.47E-05	Dpp3
ENSMUSG00000031112.10	545.3743963	-1.06006055	4.74E-06	1.47E-05	Stk26
ENSMUSG00000029507.16	1201.724707	-0.778016839	4.76E-06	1.48E-05	Pus1
ENSMUSG00000107491.1	32.5989731	1.912122491	4.76E-06	1.48E-05	RP23-321B3.8
ENSMUSG00000027327.16	1601.403479	0.775402399	4.77E-06	1.48E-05	RP23-32L15.2
ENSMUSG00000079110.11	15.22513365	4.367540673	4.77E-06	1.48E-05	Capn3
ENSMUSG00000035437.15	2905.636866	0.976618907	4.77E-06	1.48E-05	Rabgap1
ENSMUSG00000065147.1	58.90422918	-1.766820581	4.78E-06	1.48E-05	Snora31
ENSMUSG00000019518.11	782.3389443	0.961566851	4.79E-06	1.49E-05	Ap4m1
ENSMUSG00000049353.17	7.601198757	6.304412235	4.79E-06	1.49E-05	Rd3
ENSMUSG00000025511.14	916.7651397	-1.042105628	4.80E-06	1.49E-05	Tspan4

ENSMUSG00000005142.10	1587.428977	-0.981249964	4.81E-06	1.49E-05	Man2b1
ENSMUSG00000042712.10	11238.42009	1.428949524	4.81E-06	1.49E-05	Tceal9
ENSMUSG00000097347.1	101.4925234	2.34616362	4.81E-06	1.49E-05	Gm17275
ENSMUSG00000057359.7	129.5984099	1.247200327	4.83E-06	1.50E-05	RP23-71G16.2
ENSMUSG00000053338.9	7.332978508	-6.419833038	4.86E-06	1.50E-05	Tarm1
ENSMUSG00000007850.16	22817.37616	-0.610100639	4.86E-06	1.51E-05	Hnrmp1
ENSMUSG00000033488.11	126.2466332	-1.064786015	4.87E-06	1.51E-05	AC161108.3
ENSMUSG00000019866.14	48.39222145	-1.632796225	4.87E-06	1.51E-05	Aim1
ENSMUSG00000027559.5	330.0134481	0.858581245	4.88E-06	1.51E-05	Car3
ENSMUSG00000108176.1	30.3477066	1.977430327	4.89E-06	1.51E-05	RP23-114E15.18
ENSMUSG00000057265.13	78.4720969	1.331005554	4.89E-06	1.51E-05	Bbof1
ENSMUSG00000020114.12	9748.242044	-0.781463061	4.90E-06	1.51E-05	Cand1
ENSMUSG00000112390.1	13.65854494	5.252472301	4.91E-06	1.52E-05	RP24-345F16.1
ENSMUSG00000051279.2	48.29381222	-1.602698793	4.91E-06	1.52E-05	Gdf6
ENSMUSG00000114196.1	86.7311208	1.549798257	4.92E-06	1.52E-05	RP23-355G2.4
ENSMUSG00000106940.1	11.7984292	-4.168142584	4.92E-06	1.52E-05	RP23-257E17.2
ENSMUSG00000035279.8	238.2678337	-1.078063295	4.94E-06	1.53E-05	Ssc5d
ENSMUSG00000021221.15	54.26750928	2.360470269	4.95E-06	1.53E-05	Dpf3
ENSMUSG00000093954.8	24.12527058	-2.248397573	4.95E-06	1.53E-05	RP23-103112.4
ENSMUSG00000003199.16	2784.578456	1.073016757	4.96E-06	1.53E-05	Mpnd
ENSMUSG00000079965.2	1418.870404	-1.013533071	4.96E-06	1.53E-05	RP23-265D6.1
ENSMUSG00000005470.8	1013.866165	-0.579759668	4.97E-06	1.54E-05	Asf1b
ENSMUSG00000026377.12	4666.481296	-0.88428581	4.98E-06	1.54E-05	Nifk
ENSMUSG00000024146.9	2184.554147	1.202195053	4.98E-06	1.54E-05	Cript
ENSMUSG00000081516.1	92.12356506	1.239033341	4.98E-06	1.54E-05	RP23-20E10.2
ENSMUSG00000058706.5	890.6312644	-0.932146431	5.01E-06	1.55E-05	RP23-60P18.9
ENSMUSG00000102609.1	231.0295129	-0.844503151	5.01E-06	1.55E-05	RP23-120D6.2
ENSMUSG00000051853.10	5832.356275	0.79675679	5.02E-06	1.55E-05	Arf3
ENSMUSG00000070847.12	13.53162637	4.636761361	5.02E-06	1.55E-05	Vmn2r30
ENSMUSG00000107278.1	90.30635461	-1.420609325	5.03E-06	1.55E-05	RP24-478I22.8
ENSMUSG00000102064.1	11.80615221	-4.605207704	5.04E-06	1.56E-05	RP23-61B14.2
ENSMUSG00000113768.1	106.2469706	1.444842801	5.05E-06	1.56E-05	RP23-80G15.1
ENSMUSG00000031807.10	2144.112943	1.777636775	5.07E-06	1.57E-05	Pgls
ENSMUSG00000040725.13	5039.126971	-0.941835484	5.08E-06	1.57E-05	Hnrmp1
ENSMUSG00000108204.1	736.2012062	0.601441586	5.08E-06	1.57E-05	RP23-5D6.7
ENSMUSG00000087026.7	12.07174673	5.988702526	5.10E-06	1.57E-05	AC163703.7
ENSMUSG00000096049.1	75.11500437	-1.72839412	5.11E-06	1.58E-05	RP23-174O6.4
ENSMUSG00000034457.10	39.39014296	-1.649708103	5.13E-06	1.58E-05	Eda2r
ENSMUSG00000030201.15	7050.471541	-0.854343654	5.14E-06	1.58E-05	Lrp6
ENSMUSG00000116242.1	13.01711023	-3.7386982	5.15E-06	1.59E-05	RP23-144M22.3
ENSMUSG00000101921.1	15.27051352	-4.301153385	5.17E-06	1.59E-05	RP23-69F3.1
ENSMUSG00000036402.13	1486.945043	-0.666196731	5.18E-06	1.60E-05	Gng12
ENSMUSG0000005514.14	3274.778089	0.683741825	5.19E-06	1.60E-05	Por
ENSMUSG00000114871.1	50.22406388	-1.715891313	5.19E-06	1.60E-05	RP24-482L4.5
ENSMUSG00000056155.6	24.70022709	4.066508796	5.21E-06	1.61E-05	Nanos3
ENSMUSG00000038567.5	12.25708182	-4.691332831	5.23E-06	1.61E-05	Cyp24a1
ENSMUSG00000010044.12	12.14032852	4.469899646	5.23E-06	1.61E-05	Zmynd10
ENSMUSG00000021253.7	618.3947969	-0.818534372	5.24E-06	1.61E-05	Tgfb3
ENSMUSG00000038520.15	1458.38169	0.737074578	5.25E-06	1.62E-05	Tbc1d17
ENSMUSG00000109718.1	12.95558531	-4.347536391	5.26E-06	1.62E-05	Trim61
ENSMUSG00000024176.10	44.7988587	-1.679771534	5.29E-06	1.63E-05	Sox8
ENSMUSG00000009418.15	3827.883726	0.969333105	5.30E-06	1.63E-05	Nav1
ENSMUSG00000050556.9	567.9339858	1.704527497	5.31E-06	1.63E-05	Kcnb1
ENSMUSG00000020458.16	23679.17541	0.734794943	5.32E-06	1.64E-05	Rtn4
ENSMUSG00000104113.1	13.09249799	3.525503307	5.33E-06	1.64E-05	RP24-427N13.6
ENSMUSG00000087476.1	16.67199451	5.541758744	5.33E-06	1.64E-05	Rap1gapos
ENSMUSG00000037366.14	768.517	-1.00796874	5.34E-06	1.64E-05	Pafah2
ENSMUSG00000029512.11	2204.997539	1.207404438	5.34E-06	1.64E-05	Ulk1
ENSMUSG00000090173.8	19.30147673	-2.533295285	5.35E-06	1.65E-05	Fbxw10
ENSMUSG00000050188.8	373.6234811	0.904760308	5.35E-06	1.65E-05	Lsm10
ENSMUSG00000040025.17	4148.896094	-0.524267439	5.41E-06	1.66E-05	Ythdf2
ENSMUSG00000065954.11	1633.854686	-1.070534677	5.41E-06	1.66E-05	Tacc1
ENSMUSG00000025759.11	214.5643657	-0.901789586	5.42E-06	1.67E-05	Mfsd8
ENSMUSG00000028277.13	1489.025002	0.754177203	5.42E-06	1.67E-05	Ube2j1
ENSMUSG00000032584.12	23.8176351	3.023864915	5.44E-06	1.67E-05	Mst1r
ENSMUSG00000115351.1	62.28087848	-1.466908712	5.45E-06	1.68E-05	RP24-450J12.2
ENSMUSG00000001507.16	1159.518495	1.344826132	5.46E-06	1.68E-05	Itga3
ENSMUSG00000097814.5	28.25425577	-3.098302453	5.46E-06	1.68E-05	Panc2
ENSMUSG00000047213.14	5056.150024	-1.086041693	5.48E-06	1.68E-05	Ythdf3
ENSMUSG00000029505.17	5048.15422	-1.144457417	5.48E-06	1.69E-05	Ep400
ENSMUSG00000043298.8	10.25885716	6.741603108	5.54E-06	1.70E-05	Smco3
ENSMUSG00000025892.16	1843.380054	1.305646676	5.54E-06	1.70E-05	Gria4
ENSMUSG00000079466.2	9.462378942	6.624897545	5.55E-06	1.70E-05	Prdm12
ENSMUSG00000022583.12	7.101401745	-6.375466223	5.55E-06	1.70E-05	Ly6f
ENSMUSG00000042251.12	55.08498172	-1.416350176	5.55E-06	1.71E-05	Pm20d1
ENSMUSG00000022469.17	36.34400778	1.84814594	5.57E-06	1.71E-05	Rapgef3
ENSMUSG00000110697.1	14.60426458	4.734598268	5.58E-06	1.71E-05	RP23-312B17.2
ENSMUSG00000071506.3	14.13697838	-3.778874703	5.60E-06	1.72E-05	Tmem139
ENSMUSG00000101166.6	23.66170226	5.007574662	5.64E-06	1.73E-05	RP23-312I.1
ENSMUSG00000081416.1	1223.620329	0.714155475	5.66E-06	1.74E-05	RP23-22A15.8
ENSMUSG00000026235.14	1759.331799	0.760719088	5.69E-06	1.74E-05	Epha4
ENSMUSG00000039936.18	854.8867885	1.106954986	5.68E-06	1.74E-05	Pik3cd
ENSMUSG00000113295.1	30.628856	-1.975496509	5.70E-06	1.75E-05	RP23-142A12.2

ENSMUSG00000108398.1	11.75343258	5.941810128	5.75E-06	1.76E-05	RP23-354H24.9
ENSMUSG00000090626.9	1219.749972	-0.742452737	5.76E-06	1.77E-05	Tex9
ENSMUSG00000026796.16	1534.628764	-0.782851789	5.76E-06	1.77E-05	Fam129b
ENSMUSG00000060467.4	4890.724343	1.527166621	5.76E-06	1.77E-05	RP24-175C20.9
ENSMUSG00000027378.16	720.0360327	0.676286254	5.79E-06	1.77E-05	Nphp1
ENSMUSG00000060012.9	937.1295585	-1.342868082	5.80E-06	1.78E-05	Kif13b
ENSMUSG00000081540.3	80.42812715	1.347968823	5.80E-06	1.78E-05	RP23-270A19.4
ENSMUSG00000027878.11	3720.988386	-1.234295097	5.81E-06	1.78E-05	Notch2
ENSMUSG00000104011.1	20.31237375	2.668302441	5.81E-06	1.78E-05	RP24-272N10.3
ENSMUSG00000116936.1	681.6085287	0.721151771	5.82E-06	1.78E-05	RP23-472F15.2
ENSMUSG00000116604.1	13.59162083	3.852659632	5.83E-06	1.79E-05	RP23-101H1.21
ENSMUSG00000024420.8	911.3411786	1.149561072	5.84E-06	1.79E-05	Zfp521
ENSMUSG00000055531.12	7872.091808	-0.711027113	5.84E-06	1.79E-05	Cpsf6
ENSMUSG00000093507.1	14.89293416	4.790821843	5.88E-06	1.80E-05	RP24-201C14.11
ENSMUSG00000068855.3	21.89096184	4.086592568	5.89E-06	1.80E-05	Hist2h2ac
ENSMUSG00000114443.1	47.91425857	-1.494672543	5.90E-06	1.81E-05	RP24-158H8.2
ENSMUSG00000015755.16	4082.975478	-0.922841866	5.91E-06	1.81E-05	Tab2
ENSMUSG00000034674.18	6139.553995	-0.592710593	5.94E-06	1.82E-05	Tdg
ENSMUSG00000075296.4	7.511768936	6.285645762	5.95E-06	1.82E-05	Aldh3b2
ENSMUSG00000020755.9	3548.63799	0.58879556	5.96E-06	1.82E-05	Sap30bp
ENSMUSG00000058690.14	1745.538399	1.126235752	5.98E-06	1.83E-05	Ccser2
ENSMUSG00000079509.10	1292.464089	-1.115918492	5.98E-06	1.83E-05	Zfx
ENSMUSG000000082170.1	17.0761934	2.838508625	5.99E-06	1.83E-05	RP23-459K15.7
ENSMUSG00000000738.18	2238.511344	0.566876482	6.01E-06	1.84E-05	Spg7
ENSMUSG00000116817.1	24.66806397	-2.490042664	6.01E-06	1.84E-05	RP23-174D11.5
ENSMUSG00000027475.9	2089.373662	1.129752247	6.02E-06	1.84E-05	Kif3b
ENSMUSG00000020376.16	2110.78426	0.628042782	6.03E-06	1.84E-05	Rnf130
ENSMUSG00000098113.1	47.84465681	-1.543870632	6.03E-06	1.84E-05	RP24-76E2.5
ENSMUSG00000029330.8	420.7095656	-0.638032532	6.07E-06	1.86E-05	Cds1
ENSMUSG00000103865.1	11.06714712	-6.031797794	6.07E-06	1.86E-05	RP23-131N18.1
ENSMUSG00000085776.8	12.72236314	6.05559721	6.07E-06	1.86E-05	RP23-198D7.2
ENSMUSG00000027361.15	1370.497746	-0.891346663	6.09E-06	1.86E-05	Gabpb1
ENSMUSG00000097345.1	33.72608901	2.388682679	6.11E-06	1.87E-05	AA543186
ENSMUSG00000038215.15	620.9865396	-0.70333255	6.11E-06	1.87E-05	Cep44
ENSMUSG00000079036.10	1506.124661	-0.705104702	6.11E-06	1.87E-05	Alkbh1
ENSMUSG00000020644.9	952.0931902	0.711761811	6.12E-06	1.87E-05	Id2
ENSMUSG00000019943.10	9187.176906	0.639047234	6.12E-06	1.87E-05	Atp2b1
ENSMUSG00000048271.14	3697.497578	-1.287253186	6.15E-06	1.88E-05	Rbm33
ENSMUSG00000097835.1	36.56721852	1.834279578	6.15E-06	1.88E-05	Gm26910
ENSMUSG00000082325.1	25.46599236	-2.219135807	6.16E-06	1.88E-05	RP23-85H5.2
ENSMUSG00000102058.6	7.526314279	6.29230695	6.17E-06	1.88E-05	RP24-104A17.1
ENSMUSG00000030701.17	45.64963611	1.867594603	6.18E-06	1.89E-05	Plekhhb1
ENSMUSG00000109013.1	7.566084336	6.298363347	6.19E-06	1.89E-05	RP23-184F6.1
ENSMUSG00000030533.15	1276.690252	0.613441659	6.22E-06	1.90E-05	Unc45a
ENSMUSG00000020889.11	143.1322534	-1.482851445	6.23E-06	1.90E-05	Nr1d1
ENSMUSG00000032403.8	174.9115795	1.431329109	6.29E-06	1.92E-05	RP23-284J4.2
ENSMUSG00000026542.6	7.823011655	6.335554677	6.31E-06	1.93E-05	Apcs
ENSMUSG00000035711.5	62.57141095	2.170395709	6.34E-06	1.94E-05	Dok3
ENSMUSG00000100104.1	912.0167558	1.668705402	6.36E-06	1.94E-05	RP23-377K9.1
ENSMUSG00000109841.2	16.6297303	3.678437921	6.36E-06	1.94E-05	RP23-299N4.1
ENSMUSG00000087264.1	7.88023331	6.353223527	6.37E-06	1.94E-05	Gad1os
ENSMUSG00000042302.14	2120.911949	1.024589617	6.39E-06	1.95E-05	Ehbp1
ENSMUSG00000094885.7	72.11598177	-1.20165673	6.40E-06	1.95E-05	Ott
ENSMUSG00000094941.1	72.11598177	-1.20165673	6.40E-06	1.95E-05	RP23-291C10.1
ENSMUSG00000095621.1	72.11598177	-1.20165673	6.40E-06	1.95E-05	RP23-330P11.1
ENSMUSG00000036181.2	118.7607468	1.536398032	6.40E-06	1.95E-05	Hist1h1c
ENSMUSG00000113448.1	309.8903109	-0.968622796	6.42E-06	1.96E-05	RP23-320H11.11
ENSMUSG00000072591.10	42.80935105	2.231921793	6.44E-06	1.96E-05	AC122789.1
ENSMUSG00000024754.12	5461.514741	-1.037931793	6.45E-06	1.96E-05	Tmem2
ENSMUSG00000039294.14	1426.865194	0.60530388	6.45E-06	1.97E-05	RP23-349B15.4
ENSMUSG00000055013.15	3091.623318	1.338853661	6.45E-06	1.97E-05	Agap1
ENSMUSG00000019842.6	37.87474706	2.007573977	6.48E-06	1.97E-05	Traf3ip2
ENSMUSG00000038116.16	4154.50663	-0.524440589	6.48E-06	1.98E-05	Phf20
ENSMUSG00000021635.14	1102.79796	-0.833715091	6.50E-06	1.98E-05	Rad17
ENSMUSG00000041624.10	191.6519157	-1.631106154	6.50E-06	1.98E-05	Gucy1a2
ENSMUSG00000029427.11	2156.505243	-1.088455401	6.53E-06	1.99E-05	Zcchc8
ENSMUSG00000068151.7	17.7780964	3.576647749	6.54E-06	1.99E-05	AC132685.1
ENSMUSG00000020740.13	3459.578664	-1.096350035	6.55E-06	1.99E-05	Gga3
ENSMUSG00000087178.7	7.967848033	6.374413939	6.56E-06	2.00E-05	AC102121.3
ENSMUSG00000053198.13	193.3785663	-1.109262673	6.56E-06	2.00E-05	Prx
ENSMUSG00000082420.2	308.738279	1.265873688	6.57E-06	2.00E-05	AC158994.1
ENSMUSG00000089774.2	1205.473986	1.063760307	6.58E-06	2.00E-05	Slc5a3
ENSMUSG00000061863.6	601.4428541	1.768900773	6.64E-06	2.02E-05	RP23-93M3.2
ENSMUSG00000047804.15	1228.088073	-1.440669999	6.65E-06	2.02E-05	Akap10
ENSMUSG00000006599.13	2679.509964	-0.527341565	6.67E-06	2.03E-05	Gtf2h1
ENSMUSG00000104774.1	80.74149263	1.268226081	6.67E-06	2.03E-05	RP23-395E24.4
ENSMUSG00000040828.9	41.47900399	2.506898219	6.70E-06	2.04E-05	Catsperd
ENSMUSG00000030655.15	6259.409716	-1.673433013	6.72E-06	2.04E-05	Smg1
ENSMUSG00000037112.16	716.1953808	-1.585308891	6.72E-06	2.04E-05	Sik2
ENSMUSG00000105519.1	29.60899165	3.852897484	6.74E-06	2.05E-05	RP24-230J14.8
ENSMUSG00000027165.16	1002.917705	1.176392416	6.74E-06	2.05E-05	RP23-325I3.1
ENSMUSG00000051306.7	1358.205406	0.721149153	6.76E-06	2.06E-05	Usp42
ENSMUSG00000071862.2	8.379435717	6.450097349	6.78E-06	2.06E-05	Lrrtm2

ENSMUSG00000019718.8	164.9959656	1.248884512	6.81E-06	2.07E-05	L3hpydh
ENSMUSG00000025199.16	2875.193905	-0.805143464	6.82E-06	2.07E-05	Chuk
ENSMUSG00000003166.20	4063.066507	0.574641566	6.83E-06	2.07E-05	Dgcr2
ENSMUSG000000099797.1	22.11033079	2.684468971	6.83E-06	2.07E-05	RP23-317H14.1
ENSMUSG000000082310.1	17.4208143	-3.275480273	6.86E-06	2.08E-05	RP23-291K22.3
ENSMUSG00000025321.14	536.2368189	1.031066961	6.90E-06	2.10E-05	ltgb8
ENSMUSG00000079260.3	322.7120868	-1.535109573	6.90E-06	2.10E-05	Tmppe
ENSMUSG00000024800.7	1245.162824	-1.006734181	6.92E-06	2.10E-05	Rpp30
ENSMUSG000000028389.12	1085.93455	0.897816752	6.94E-06	2.11E-05	Zfp37
ENSMUSG00000033966.7	31.67586583	1.876704911	6.96E-06	2.11E-05	Cdk4
ENSMUSG00000019920.17	3523.547927	-0.969610552	6.97E-06	2.12E-05	Lims1
ENSMUSG000000039193.7	11.09298868	-4.542350349	6.98E-06	2.12E-05	Nlrc4
ENSMUSG00000085704.1	48.33245533	1.591385842	6.98E-06	2.12E-05	RP23-23G3.3
ENSMUSG00000046841.5	3781.805169	0.52802277	6.98E-06	2.12E-05	Ckap4
ENSMUSG000000081574.1	52.2388892	2.047559601	6.99E-06	2.12E-05	RP23-275N21.5
ENSMUSG000000103983.1	297.7194087	0.94659638	6.99E-06	2.12E-05	RP23-395H6.2
ENSMUSG00000017652.16	221.4911447	1.08229234	7.00E-06	2.12E-05	Cd40
ENSMUSG000000031760.9	91.71090929	1.973766932	7.08E-06	2.15E-05	Mt3
ENSMUSG000000038122.9	461.6617466	-1.058270603	7.08E-06	2.15E-05	Tbc1d32
ENSMUSG000000058325.6	367.6197097	-1.609543092	7.08E-06	2.15E-05	Dock1
ENSMUSG00000027304.9	5151.30517	0.761421475	7.10E-06	2.15E-05	Rtf1
ENSMUSG000000033364.13	2416.267116	-1.017971404	7.11E-06	2.15E-05	Usp37
ENSMUSG000000103041.1	123.8035335	1.469146333	7.11E-06	2.16E-05	RP24-372I24.4
ENSMUSG000000100618.1	19.02348017	4.378799936	7.11E-06	2.16E-05	RP23-188J8.3
ENSMUSG000000025938.16	2089.01163	0.98584899	7.15E-06	2.17E-05	Slco5a1
ENSMUSG000000080935.3	4935.066606	-1.142041839	7.16E-06	2.17E-05	Got2-ps1
ENSMUSG000000082377.1	20.94748054	2.518734617	7.18E-06	2.18E-05	RP23-360A2.4
ENSMUSG00000022009.1	877.8679059	-0.725910524	7.20E-06	2.18E-05	Nufip1
ENSMUSG00000042535.9	2745.589202	-0.896529391	7.24E-06	2.19E-05	Gtpbp1
ENSMUSG000000089844.7	10.46749463	-5.951844875	7.25E-06	2.20E-05	AC167036.3
ENSMUSG000000097062.1	192.5143656	1.120345145	7.26E-06	2.20E-05	Gm17586
ENSMUSG000000114711.1	12.32849889	-4.192040578	7.26E-06	2.20E-05	RP23-298L3.1
ENSMUSG000000048154.17	3328.461455	-2.137459508	7.27E-06	2.20E-05	Kmt2d
ENSMUSG000000116215.1	314.8208553	-1.119537109	7.30E-06	2.21E-05	RP23-283E23.2
ENSMUSG000000063077.14	16274.70583	1.353643581	7.31E-06	2.21E-05	Kif1b
ENSMUSG000000104891.1	27.10003126	2.362573126	7.31E-06	2.21E-05	RP23-434H17.3
ENSMUSG000000020607.7	100.5859426	1.441769229	7.32E-06	2.21E-05	Fam84a
ENSMUSG000000022179.5	158.632579	-0.940737103	7.34E-06	2.22E-05	RP23-94B13.4
ENSMUSG00000007038.5	1267.84912	0.64828348	7.34E-06	2.22E-05	Neu1
ENSMUSG000000083998.1	69.82207654	1.423920346	7.35E-06	2.23E-05	Prdx2-rs3
ENSMUSG000000024483.18	3127.74885	-0.54108395	7.36E-06	2.23E-05	Ankhd1
ENSMUSG000000079065.3	1825.666544	1.205275592	7.40E-06	2.24E-05	RP23-314A12.1
ENSMUSG000000073590.3	175.9000493	0.984487297	7.43E-06	2.25E-05	RP23-56B11.6
ENSMUSG000000021451.16	1540.074865	-1.050783331	7.44E-06	2.25E-05	Sema4d
ENSMUSG000000079722.2	17.22724266	3.743033027	7.45E-06	2.25E-05	Tll2
ENSMUSG000000039798.2	15.06756768	2.935092231	7.50E-06	2.27E-05	RP23-443G7.2
ENSMUSG000000090936.2	32.92314148	1.943228232	7.51E-06	2.27E-05	RP23-115O3.19
ENSMUSG000000083553.1	1479.952895	-0.941940215	7.55E-06	2.28E-05	RP23-145C12.1
ENSMUSG000000097413.1	14.13163275	5.319344575	7.56E-06	2.28E-05	A830052D11Rik
ENSMUSG000000081352.1	44.946089	2.353187722	7.56E-06	2.29E-05	RP23-335E10.1
ENSMUSG000000082113.1	17.14595062	-2.714474079	7.58E-06	2.29E-05	RP23-176P20.2
ENSMUSG000000052334.11	46.12930208	-1.44455128	7.58E-06	2.29E-05	RP24-553G19.5
ENSMUSG000000007216.6	356.4471949	0.845714805	7.58E-06	2.29E-05	Zfp775
ENSMUSG000000028886.15	2090.923559	-1.087307746	7.58E-06	2.29E-05	Eya3
ENSMUSG000000024118.14	782.8868281	-0.596334685	7.59E-06	2.29E-05	RP23-35F19.3
ENSMUSG000000064354.1	152465.6346	0.618259916	7.59E-06	2.29E-05	mt-Co2
ENSMUSG000000108686.1	1006.68691	0.643916639	7.59E-06	2.29E-05	RP23-49I18.4
ENSMUSG000000085412.7	10.99531436	6.825623092	7.60E-06	2.29E-05	Halr1
ENSMUSG000000109198.1	63.55175756	1.915512513	7.60E-06	2.30E-05	RP24-510K1.8
ENSMUSG000000018377.10	3721.543598	0.803436975	7.61E-06	2.30E-05	Vezf1
ENSMUSG000000102070.1	152499.269	0.618282013	7.61E-06	2.30E-05	RP23-8J15.2
ENSMUSG000000031549.16	6.818716193	-6.314682418	7.61E-06	2.30E-05	ldo2
ENSMUSG000000081473.3	1768.683127	1.680083712	7.62E-06	2.30E-05	RP23-193O17.1
ENSMUSG000000072931.4	70.35964893	-1.267322019	7.62E-06	2.30E-05	RP23-383O14.1
ENSMUSG000000105711.1	10.10810394	6.702981803	7.62E-06	2.30E-05	RP24-72E12.3
ENSMUSG000000111371.1	17.53831783	3.974249778	7.63E-06	2.30E-05	RP24-390M17.1
ENSMUSG00000004031.13	829.7859992	1.297633999	7.64E-06	2.31E-05	Brinp2
ENSMUSG000000042032.13	4971.029261	-0.465181116	7.65E-06	2.31E-05	Mat2b
ENSMUSG000000038268.4	379.692323	0.678155914	7.65E-06	2.31E-05	Ovca2
ENSMUSG000000023443.13	34.08063883	2.118925247	7.67E-06	2.31E-05	Esx1
ENSMUSG000000035916.8	14.33251537	3.224524084	7.67E-06	2.31E-05	Ptprq
ENSMUSG000000027285.13	1638.904359	-0.684083121	7.68E-06	2.32E-05	Haus2
ENSMUSG000000053740.7	1835.378661	-0.772305875	7.74E-06	2.33E-05	Gm6457
ENSMUSG000000079550.9	57.28530278	1.985878358	7.76E-06	2.34E-05	Mpp4
ENSMUSG000000030792.8	20.12100339	3.25375801	7.79E-06	2.35E-05	Dkk1
ENSMUSG000000115584.1	2597.081206	-0.944198093	7.80E-06	2.35E-05	RP24-134B24.2
ENSMUSG000000021470.18	1262.089426	-1.288822333	7.81E-06	2.35E-05	Erccl2
ENSMUSG000000062036.8	7.084723974	-6.37246386	7.82E-06	2.36E-05	Sgol1ut
ENSMUSG000000106209.1	13.38120873	3.565958	7.82E-06	2.36E-05	RP23-50I16.2
ENSMUSG000000034210.13	1568.349329	-1.229470334	7.85E-06	2.37E-05	Efcab14
ENSMUSG000000042156.16	1141.296401	1.197950045	7.85E-06	2.37E-05	Dzip1
ENSMUSG000000053399.9	13.77273261	3.896766999	7.88E-06	2.38E-05	Adams18
ENSMUSG000000044501.17	255.0427801	-1.562515447	7.89E-06	2.38E-05	Zfp758

ENSMUSG00000092557.1	142.8975299	-0.948388557	7.93E-06	2.39E-05	RP23-349B4.18
ENSMUSG00000030768.12	1028.521343	-1.724421627	7.94E-06	2.39E-05	Disp1
ENSMUSG00000091293.1	28.03371806	-1.86058372	7.95E-06	2.39E-05	RP23-115K1.7
ENSMUSG00000034035.18	27.49651825	2.277206859	7.98E-06	2.40E-05	Ccdc17
ENSMUSG00000025040.13	879.594099	0.752944453	7.98E-06	2.40E-05	Fundc1
ENSMUSG00000028926.15	642.929001	1.097035164	8.02E-06	2.42E-05	Cdk14
ENSMUSG00000029090.12	4263.3528	-1.06810903	8.04E-06	2.42E-05	Adgra3
ENSMUSG00000045969.8	2003.336538	-0.515196899	8.04E-06	2.42E-05	Ing1
ENSMUSG00000064308.10	22.11600111	2.909428546	8.06E-06	2.43E-05	RP23-98F21.3
ENSMUSG00000038888.8	904.1283858	0.933890953	8.15E-06	2.45E-05	Ctu1
ENSMUSG00000085355.2	73.36862425	1.771827604	8.19E-06	2.46E-05	RP24-325P20.3
ENSMUSG00000111722.1	13.41821183	4.183005915	8.20E-06	2.47E-05	RP24-131G14.10
ENSMUSG00000057440.7	777.9883437	-1.293102814	8.23E-06	2.47E-05	Mpp7
ENSMUSG00000038967.13	191.9387002	1.140392591	8.23E-06	2.47E-05	Pdk2
ENSMUSG00000086806.1	34.75757941	1.73170884	8.26E-06	2.48E-05	RP23-128E8.3
ENSMUSG00000042211.6	2982.962486	-0.791142114	8.26E-06	2.48E-05	Fbxo38
ENSMUSG00000028033.16	165.2415517	-0.975633525	8.27E-06	2.49E-05	Kcnq5
ENSMUSG00000009079.16	13787.53216	-0.637224363	8.29E-06	2.49E-05	Ewsr1
ENSMUSG00000108181.1	89.52677337	1.451960783	8.30E-06	2.49E-05	RP23-370A2.5
ENSMUSG00000025155.15	2861.795716	-0.784294389	8.30E-06	2.50E-05	Dus1l
ENSMUSG00000002814.15	1357.996888	-0.942027707	8.31E-06	2.50E-05	Top3a
ENSMUSG00000027799.12	4017.643181	1.368887614	8.31E-06	2.50E-05	Nbea
ENSMUSG00000043631.8	19.03904013	2.898111236	8.32E-06	2.50E-05	Ecm2
ENSMUSG00000025747.12	1983.482153	-1.13922995	8.33E-06	2.50E-05	Tyms
ENSMUSG00000048285.9	395.9248177	-1.020417699	8.34E-06	2.51E-05	Frmd6
ENSMUSG00000022438.6	798.7906573	-1.068609506	8.37E-06	2.52E-05	Parvb
ENSMUSG00000046792.8	677.0559006	0.675943415	8.38E-06	2.52E-05	Zfp787
ENSMUSG00000035401.9	2715.271702	-0.527029744	8.40E-06	2.52E-05	RP23-331A21.2
ENSMUSG00000022999.15	894.6566829	0.554913548	8.41E-06	2.52E-05	Lmbr1l
ENSMUSG00000063314.5	8085.583069	0.632705786	8.43E-06	2.53E-05	RP23-282E10.2
ENSMUSG00000105779.1	295.9896138	-1.014482168	8.44E-06	2.53E-05	RP24-134A5.1
ENSMUSG00000037465.10	967.2818933	-0.861675892	8.46E-06	2.54E-05	Klf10
ENSMUSG00000030287.15	146.142407	1.009682581	8.47E-06	2.54E-05	Itpr2
ENSMUSG00000011158.8	1296.657283	0.556677673	8.47E-06	2.54E-05	Brf1
ENSMUSG000000112996.1	8.737774607	6.492574344	8.47E-06	2.54E-05	RP23-430C21.5
ENSMUSG00000015467.14	27.29458697	-2.18960328	8.48E-06	2.54E-05	Egfl8
ENSMUSG00000109821.1	57.40473358	-1.735251678	8.49E-06	2.55E-05	RP23-157I3.5
ENSMUSG00000075502.2	71.77628211	-1.339486576	8.50E-06	2.55E-05	Kbtbd6
ENSMUSG00000086889.1	23.29807137	2.589897382	8.50E-06	2.55E-05	Phf2os1
ENSMUSG00000105607.1	20.19025672	-2.227779554	8.52E-06	2.55E-05	RP23-7M16.2
ENSMUSG00000091154.2	7.489661702	6.272980804	8.53E-06	2.56E-05	Proscos
ENSMUSG00000041607.16	1058.432945	1.15672486	8.57E-06	2.57E-05	Mbp
ENSMUSG00000031519.3	12.4440083	5.111791861	8.57E-06	2.57E-05	Asb5
ENSMUSG00000021572.9	290.6080955	-0.87214361	8.68E-06	2.60E-05	Cep72
ENSMUSG00000083725.1	342.552961	-0.799577086	8.71E-06	2.61E-05	RP23-402K11.1
ENSMUSG00000055200.7	185.5688079	-0.950028757	8.75E-06	2.62E-05	Sertad3
ENSMUSG00000113014.1	537.9659963	0.970579707	8.83E-06	2.64E-05	RP24-231B8.3
ENSMUSG00000096655.2	38.16250926	2.052259625	8.83E-06	2.65E-05	RP23-283E4.1
ENSMUSG00000075609.3	1808.568144	-0.921736972	8.85E-06	2.65E-05	RP24-91E8.1
ENSMUSG00000053930.13	1001.000686	-1.628114291	8.93E-06	2.67E-05	Shisa6
ENSMUSG00000104264.1	6.994837987	6.179248144	8.99E-06	2.69E-05	RP23-92D17.3
ENSMUSG00000110016.1	6.994837987	6.179248144	8.99E-06	2.69E-05	RP24-156M16.2
ENSMUSG00000038495.14	1550.929934	-1.101244624	9.01E-06	2.70E-05	Otud7b
ENSMUSG00000005125.13	278.0605566	-0.819480365	9.04E-06	2.71E-05	Ndrp1
ENSMUSG00000022565.15	3980.130684	-1.856109911	9.04E-06	2.71E-05	Plec
ENSMUSG00000036292.14	53.7838234	-1.441960778	9.05E-06	2.71E-05	Gramd1c
ENSMUSG00000111212.1	29.36740438	2.977703273	9.05E-06	2.71E-05	CAA01194877.2
ENSMUSG00000006307.16	3511.101084	-1.515164721	9.05E-06	2.71E-05	Kmt2b
ENSMUSG00000071656.6	37.40491636	2.189409801	9.09E-06	2.72E-05	Lrm4cl
ENSMUSG00000082816.1	65.28714217	-1.60249694	9.09E-06	2.72E-05	RP23-81P12.3
ENSMUSG00000054178.1	215.0353324	-2.492539772	9.11E-06	2.72E-05	Gm9938
ENSMUSG00000038510.12	1737.115758	-1.036779792	9.13E-06	2.73E-05	Rpf2
ENSMUSG00000025815.13	716.0726887	-1.465383871	9.18E-06	2.75E-05	Dhtkd1
ENSMUSG00000078899.9	1280.519811	-0.556183387	9.23E-06	2.76E-05	RP23-166A1.4
ENSMUSG00000096606.2	11.76283622	4.427815455	9.23E-06	2.76E-05	Tpbgl
ENSMUSG00000067929.3	63.19267728	1.359070546	9.26E-06	2.77E-05	Gm10226
ENSMUSG00000109355.1	141.4110092	-1.314395834	9.28E-06	2.77E-05	RP23-229E19.9
ENSMUSG00000114540.1	7101.351719	0.686894917	9.29E-06	2.78E-05	RP23-354J3.2
ENSMUSG00000030452.16	2422.088768	-0.52914358	9.33E-06	2.79E-05	Nipa2
ENSMUSG00000022314.10	9105.140027	-0.835759177	9.36E-06	2.80E-05	Rad21
ENSMUSG00000020580.10	2885.722035	-0.651385593	9.37E-06	2.80E-05	Rock2
ENSMUSG00000106181.1	774.1983631	-2.025251892	9.37E-06	2.80E-05	RP24-324L19.2
ENSMUSG00000086453.7	21.77449618	-3.971134202	9.41E-06	2.81E-05	RP23-370H21.5
ENSMUSG00000088359.1	16.49181767	4.920696143	9.45E-06	2.82E-05	Gm24009
ENSMUSG00000090482.3	12.01625048	4.025019271	9.46E-06	2.82E-05	RP23-322O24.2
ENSMUSG00000094736.2	12.01625048	4.025019271	9.46E-06	2.82E-05	RP23-322O24.3
ENSMUSG00000096707.2	12.01625048	4.025019271	9.46E-06	2.82E-05	Vmn2r-ps44
ENSMUSG00000066553.5	1322.878865	0.907932345	9.55E-06	2.85E-05	RP23-431C5.1
ENSMUSG00000086429.9	985.9368284	0.849545331	9.56E-06	2.85E-05	Gt(ROSA)26Sor
ENSMUSG00000038679.16	452.3357308	0.803666404	9.59E-06	2.86E-05	Trps1
ENSMUSG00000049537.10	7.327675221	6.241540959	9.59E-06	2.86E-05	Teclr
ENSMUSG00000020870.7	466.9993635	-0.98268646	9.59E-06	2.86E-05	Cdc34b
ENSMUSG00000106410.1	56.31858863	1.347061973	9.61E-06	2.87E-05	RP24-341O14.4

ENSMUSG00000081657.1	140.8825084	-1.057227631	9.63E-06	2.88E-05	AC133935.1
ENSMUSG00000043794.8	19.72366077	3.718186157	9.66E-06	2.88E-05	RP23-322E23.1
ENSMUSG00000035885.4	5247.586846	1.176018562	9.68E-06	2.89E-05	Cox8a
ENSMUSG00000074398.5	15.31110132	3.752514038	9.73E-06	2.90E-05	AC122037.2
ENSMUSG00000073538.10	11.66095679	-5.210768796	9.75E-06	2.91E-05	RP23-1K14.1
ENSMUSG00000056752.16	50.25439889	2.476736641	9.76E-06	2.91E-05	Dnah9
ENSMUSG00000036611.5	106.728189	1.072535634	9.77E-06	2.91E-05	Eepd1
ENSMUSG00000073402.11	314.6855721	-0.927992331	9.78E-06	2.92E-05	RP23-108F2.1
ENSMUSG00000097119.1	1408.861657	-0.679159701	9.79E-06	2.92E-05	B230354K17Rik
ENSMUSG00000053137.7	805.2116969	-0.664911358	9.82E-06	2.93E-05	Mapk11
ENSMUSG00000026787.3	46.1456141	2.404791821	9.82E-06	2.93E-05	Gad2
ENSMUSG00000074236.3	497.2719115	0.646392633	9.82E-06	2.93E-05	RP23-386C15.2
ENSMUSG00000104272.1	27.61079032	3.85619168	9.86E-06	2.94E-05	RP23-116P18.4
ENSMUSG00000002379.6	2255.531656	1.735902768	9.87E-06	2.94E-05	Ndufa11
ENSMUSG00000083223.1	15.93069402	-3.268340754	9.87E-06	2.94E-05	RP23-1A3.1
ENSMUSG00000083937.3	286.1217488	-0.801906592	9.87E-06	2.94E-05	Cct3-ps1
ENSMUSG00000081519.1	708.5129074	-1.215926432	9.88E-06	2.94E-05	RP23-183O12.2
ENSMUSG00000039543.16	16.47802438	2.654154543	9.96E-06	2.97E-05	Cfap70
ENSMUSG00000115767.1	27.51256647	2.427457436	9.97E-06	2.97E-05	RP23-357G5.4
ENSMUSG00000052456.9	3588.546833	-0.600296367	9.97E-06	2.97E-05	Asna1
ENSMUSG0000006715.11	2048.486354	-1.025437718	1.00E-05	2.99E-05	Gmn
ENSMUSG00000115637.1	688.9444393	-1.514012923	1.00E-05	2.99E-05	RP24-83P8.4
ENSMUSG00000068798.10	1883.786017	-0.523921797	1.01E-05	3.00E-05	Rap1a
ENSMUSG00000112259.1	66.29099371	-1.307753009	1.01E-05	3.01E-05	RP23-318O7.5
ENSMUSG00000027187.10	1842.485099	-0.706580809	1.01E-05	3.01E-05	Cat
ENSMUSG00000092448.1	19.22337374	2.784255707	1.01E-05	3.01E-05	RP24-346E16.1
ENSMUSG00000104429.1	7.070747902	6.202140982	1.01E-05	3.02E-05	RP24-327D15.5
ENSMUSG0000004099.16	8339.457811	-1.141475645	1.02E-05	3.02E-05	Dnmt1
ENSMUSG00000040543.16	96.66939042	1.593301624	1.02E-05	3.03E-05	Pitpnm3
ENSMUSG00000048004.15	26.072467	2.311060144	1.02E-05	3.04E-05	Tmem196
ENSMUSG00000022803.12	9.925507211	6.69387033	1.02E-05	3.04E-05	Popdc2
ENSMUSG00000097372.1	12.48407652	6.043227442	1.02E-05	3.05E-05	RP23-405K2.8
ENSMUSG00000026179.14	1557.738375	0.527378451	1.03E-05	3.05E-05	Pnkd
ENSMUSG00000029059.9	292.3242286	1.795790213	1.03E-05	3.05E-05	Fam213b
ENSMUSG00000032353.9	1004.747269	1.454825922	1.03E-05	3.06E-05	Tmed3
ENSMUSG00000112229.1	82.42964365	-1.403281345	1.04E-05	3.09E-05	RP23-55A6.4
ENSMUSG00000066278.6	1264.162881	0.582886647	1.04E-05	3.09E-05	Vps37b
ENSMUSG00000074280.6	5674.760371	-0.980298104	1.04E-05	3.10E-05	RP23-371B13.4
ENSMUSG00000086785.1	10.05282402	-5.893016961	1.04E-05	3.10E-05	RP23-143O13.2
ENSMUSG00000021666.16	1956.668141	-0.717580095	1.05E-05	3.11E-05	Gfm2
ENSMUSG00000037487.7	13102.85659	-1.576606125	1.05E-05	3.12E-05	Ubr5
ENSMUSG00000113421.1	6.946203659	6.175901971	1.05E-05	3.12E-05	RP23-311P8.1
ENSMUSG00000022802.2	625.089084	-0.878328652	1.06E-05	3.15E-05	Lmln
ENSMUSG00000006270.7	17.75569856	2.425855752	1.06E-05	3.16E-05	Vax1
ENSMUSG00000074467.4	12.78884955	5.158917593	1.06E-05	3.16E-05	Gm10702
ENSMUSG00000096726.2	6317.903497	-0.909444278	1.07E-05	3.17E-05	RP24-266G11.3
ENSMUSG00000014313.15	4659.438259	1.3851419	1.07E-05	3.17E-05	Cox6c
ENSMUSG00000040627.14	21.66846886	-2.55711971	1.07E-05	3.18E-05	Aicda
ENSMUSG00000018995.12	458.1142374	-0.695205564	1.08E-05	3.19E-05	Nars2
ENSMUSG00000026768.10	29.70299697	-2.094379512	1.08E-05	3.20E-05	Itga8
ENSMUSG00000108616.1	13.24094939	5.213902731	1.08E-05	3.21E-05	RP23-207N5.2
ENSMUSG00000090098.7	460.6746153	-0.994799681	1.08E-05	3.21E-05	Alms1-ps2
ENSMUSG00000032528.5	37.18358098	-1.96033512	1.08E-05	3.22E-05	Vipr1
ENSMUSG00000025809.15	12873.69097	-0.833627019	1.08E-05	3.22E-05	Itgb1
ENSMUSG00000048310.8	391.7421742	0.907096237	1.09E-05	3.22E-05	Pskh1
ENSMUSG00000072789.4	5920.348016	-0.96127298	1.09E-05	3.23E-05	RP23-180N22.3
ENSMUSG00000002222.14	4369.730328	-1.131634346	1.09E-05	3.23E-05	Rmnd5a
ENSMUSG00000020919.11	826.2688793	1.044475989	1.09E-05	3.23E-05	Stat5b
ENSMUSG00000100706.6	18.72418669	4.336224411	1.09E-05	3.25E-05	RP23-61B8.2
ENSMUSG00000024052.17	1075.331237	1.013007834	1.09E-05	3.25E-05	Lpin2
ENSMUSG00000037759.6	14.21052635	-3.042315212	1.10E-05	3.26E-05	Ptger2
ENSMUSG00000024953.16	3007.532553	1.284322394	1.10E-05	3.27E-05	Prdx5
ENSMUSG00000034595.17	730.3266715	0.967366535	1.10E-05	3.27E-05	Ppp1r18
ENSMUSG00000100656.1	25.22539029	-2.606781222	1.10E-05	3.27E-05	RP24-316M20.4
ENSMUSG00000028582.14	1385.358325	-0.535741127	1.11E-05	3.28E-05	Cc2d1b
ENSMUSG00000019996.17	472.4373974	-1.382505549	1.11E-05	3.28E-05	Map7
ENSMUSG00000031125.2	1191.324963	1.214962067	1.11E-05	3.29E-05	RP23-135110.1
ENSMUSG00000021281.15	114.1872557	-1.263974797	1.12E-05	3.31E-05	Tnfrsf25
ENSMUSG00000010080.15	55.242617	1.371441031	1.12E-05	3.32E-05	Epn3
ENSMUSG00000094107.1	11.72034277	3.986749367	1.12E-05	3.33E-05	Vmn2r47
ENSMUSG000000096294.1	11.72034277	3.986749367	1.12E-05	3.33E-05	RP24-151K13.1
ENSMUSG00000022416.15	36.21201256	1.704847591	1.12E-05	3.33E-05	Cacna1i
ENSMUSG00000032067.6	627.1504372	0.683350164	1.13E-05	3.33E-05	Pts
ENSMUSG00000031783.10	1511.918565	-0.861156466	1.13E-05	3.34E-05	Polr2c
ENSMUSG00000021764.8	4416.751489	1.353869937	1.13E-05	3.35E-05	Ndufs4
ENSMUSG00000080205.2	93.72628945	-1.578297112	1.14E-05	3.36E-05	RP23-99G18.1
ENSMUSG00000028068.14	1029.596815	-1.389829179	1.14E-05	3.37E-05	Iqgap3
ENSMUSG00000105107.1	18.86383618	3.680349026	1.14E-05	3.37E-05	RP23-214I6.4
ENSMUSG00000082729.3	150.9879244	-0.845494404	1.14E-05	3.37E-05	RP23-49C8.2
ENSMUSG00000048387.8	18.9268707	-2.35223284	1.14E-05	3.38E-05	Osr1
ENSMUSG00000040046.14	19.90337987	-2.690745375	1.15E-05	3.39E-05	Tph1
ENSMUSG00000083602.1	11.93271836	-5.253905225	1.15E-05	3.40E-05	RP23-58M18.1
ENSMUSG00000091705.8	90.6732809	-1.293424327	1.15E-05	3.40E-05	H2-Q2

ENSMUSG00000029089.8	593.3596083	-0.607670859	1.15E-05	3.40E-05	Pacrgl
ENSMUSG00000086894.2	42.26722385	1.669013829	1.15E-05	3.41E-05	AC139636.2
ENSMUSG00000102782.1	15.73289748	-4.340614802	1.16E-05	3.42E-05	RP23-264E23.2
ENSMUSG00000032560.14	3620.473014	-1.550534135	1.16E-05	3.43E-05	Dnajc13
ENSMUSG00000003974.6	20.05584306	2.646441352	1.16E-05	3.44E-05	Grm3
ENSMUSG00000031637.13	24.63020237	-2.483175368	1.16E-05	3.44E-05	Lrp2bp
ENSMUSG00000032415.14	308.5727124	-0.845833814	1.17E-05	3.45E-05	Ube2cbp
ENSMUSG00000108070.1	6.945178222	6.165692254	1.17E-05	3.46E-05	RP23-477A19.2
ENSMUSG00000063802.5	1986.6937	0.945933401	1.17E-05	3.46E-05	Hspbp1
ENSMUSG00000028525.16	350.5266654	-0.872237158	1.17E-05	3.47E-05	Pde4b
ENSMUSG00000064602.1	53.92153793	-1.38539953	1.18E-05	3.48E-05	Snora41
ENSMUSG00000029622.16	1099.09225	-0.858553845	1.18E-05	3.48E-05	Arpc1b
ENSMUSG00000048701.13	3639.579941	-0.960338801	1.18E-05	3.49E-05	Ccdc6
ENSMUSG00000086420.1	159.1874285	-1.044813623	1.20E-05	3.55E-05	RP24-90K1.4
ENSMUSG00000074579.13	14.76838134	3.057129735	1.20E-05	3.55E-05	Lekr1
ENSMUSG00000055416.6	45.83668924	-1.422192868	1.21E-05	3.57E-05	RP23-281P5.2
ENSMUSG00000109727.1	54.19470239	1.470467476	1.21E-05	3.58E-05	RP24-225A21.3
ENSMUSG00000021760.5	603.4897061	1.159745069	1.21E-05	3.58E-05	Gpx8
ENSMUSG00000029381.16	1957.859625	-1.250720578	1.22E-05	3.59E-05	Shroom3
ENSMUSG00000046111.17	2320.510935	-1.108104154	1.22E-05	3.59E-05	Cep295
ENSMUSG00000046196.4	11.5656888	3.970228855	1.22E-05	3.60E-05	Ttc39d
ENSMUSG00000026181.13	1947.243201	-1.020650848	1.22E-05	3.60E-05	Ppm1f
ENSMUSG00000046372.4	95.48336411	1.075066197	1.22E-05	3.61E-05	RP23-9C7.1
ENSMUSG00000028568.16	4100.199271	0.503202874	1.22E-05	3.61E-05	Btf3l4
ENSMUSG00000095478.2	2105.542942	0.730967008	1.22E-05	3.61E-05	RP23-144A12.1
ENSMUSG00000086725.1	145.4720543	1.075382995	1.23E-05	3.62E-05	RP23-313I4.3
ENSMUSG00000030610.13	261.464764	-0.733156161	1.23E-05	3.63E-05	Det1
ENSMUSG00000026434.12	13451.57743	-0.769910065	1.23E-05	3.63E-05	Nucks1
ENSMUSG00000083283.3	715.3459794	-1.161726175	1.23E-05	3.64E-05	RP23-15J3.4
ENSMUSG00000106018.1	7.85398316	6.345858195	1.24E-05	3.66E-05	RP24-176M3.1
ENSMUSG00000040680.9	59.40326036	1.557186062	1.24E-05	3.67E-05	Kremen2
ENSMUSG00000052658.5	16.13701526	3.202210919	1.24E-05	3.67E-05	RP24-264F17.2
ENSMUSG00000042507.15	1383.241564	-1.662172842	1.25E-05	3.68E-05	Elmsan1
ENSMUSG00000031059.9	3331.094984	1.4492189	1.25E-05	3.69E-05	Ndufb11
ENSMUSG00000022760.17	467.8107652	1.18051514	1.25E-05	3.70E-05	Thap7
ENSMUSG00000079575.3	934.5658357	-1.938564626	1.25E-05	3.70E-05	Rbpsuh-rs3
ENSMUSG00000115841.1	218.2748793	1.071429038	1.26E-05	3.70E-05	RP23-88A20.7
ENSMUSG00000063894.15	963.2644404	-1.26917536	1.26E-05	3.72E-05	Zkscan8
ENSMUSG00000043964.14	379.2628682	0.730548646	1.26E-05	3.72E-05	Orai3
ENSMUSG00000015290.15	1162.51788	0.545338012	1.27E-05	3.73E-05	Ubl4a
ENSMUSG00000081487.1	34.31184486	3.044524675	1.27E-05	3.74E-05	RP23-33L19.4
ENSMUSG00000028273.15	1003.913254	-1.045781167	1.27E-05	3.75E-05	Pdlim5
ENSMUSG00000112393.1	22.03831535	2.240976722	1.28E-05	3.77E-05	RP24-270G2.4
ENSMUSG00000041319.13	991.4847602	-0.733556709	1.28E-05	3.77E-05	Thoc6
ENSMUSG00000103067.1	15.46405446	-3.247694658	1.28E-05	3.77E-05	RP24-181G14.2
ENSMUSG00000002769.8	16.84128856	3.684035859	1.29E-05	3.78E-05	Gnmt
ENSMUSG00000031377.11	24.00309314	-4.059385617	1.29E-05	3.78E-05	Bmx
ENSMUSG00000081208.1	541.5912985	-1.337667911	1.29E-05	3.78E-05	RP23-191E3.2
ENSMUSG00000107143.1	43.43691873	2.057788408	1.29E-05	3.79E-05	AC113029.6
ENSMUSG00000113160.1	7.425969313	6.259139792	1.29E-05	3.79E-05	RP23-360H5.2
ENSMUSG00000111246.1	10.67952368	5.810979792	1.29E-05	3.80E-05	RP24-153A6.1
ENSMUSG00000089282.1	9.364191738	6.593372462	1.30E-05	3.82E-05	Gm26024
ENSMUSG00000029461.17	2754.588621	1.442553511	1.31E-05	3.84E-05	Fam168a
ENSMUSG00000062515.3	11.24612529	-5.158749324	1.32E-05	3.87E-05	Fabp4
ENSMUSG00000082779.1	73.76471447	-1.546047243	1.32E-05	3.87E-05	RP23-360J20.2
ENSMUSG00000063439.7	511.0990443	1.495806133	1.32E-05	3.88E-05	B9d2
ENSMUSG0000005818.1	30.58039865	-2.030809234	1.32E-05	3.88E-05	Snord35a
ENSMUSG00000028007.13	315.3558168	-1.10669163	1.32E-05	3.88E-05	Snx7
ENSMUSG00000020444.19	3730.879139	1.21949548	1.32E-05	3.89E-05	Guk1
ENSMUSG0000011550.1	11.10368646	-4.088156343	1.33E-05	3.90E-05	RP23-299A24.6
ENSMUSG00000097619.8	51.80714537	-1.519556501	1.33E-05	3.90E-05	RP23-212I23.3
ENSMUSG00000015053.14	88.42487038	1.51195377	1.33E-05	3.92E-05	Gata2
ENSMUSG00000065538.1	6.807114074	6.141506191	1.33E-05	3.92E-05	Mir153
ENSMUSG00000097603.3	13.27361562	3.540715967	1.34E-05	3.94E-05	RP23-265P8.2
ENSMUSG00000085558.7	15.76327363	2.838939407	1.34E-05	3.94E-05	RP23-131A6.1
ENSMUSG00000025159.8	2181.263875	-0.541494926	1.34E-05	3.94E-05	Mms19
ENSMUSG00000108103.1	23.21900253	3.585010588	1.34E-05	3.94E-05	RP23-418F10.1
ENSMUSG00000040133.2	21.92982095	3.146943283	1.34E-05	3.94E-05	Gpr176
ENSMUSG00000021850.14	12.40251218	4.52095511	1.34E-05	3.95E-05	RP24-142A23.1
ENSMUSG00000018501.17	9420.803833	-0.457808497	1.35E-05	3.95E-05	Ncor1
ENSMUSG00000046623.8	15.56648102	3.772803602	1.35E-05	3.95E-05	Gjb4
ENSMUSG00000029201.14	2536.270973	-0.503181749	1.35E-05	3.96E-05	Ugdh
ENSMUSG00000067203.7	241.1848256	-0.876826245	1.35E-05	3.97E-05	H2-K2
ENSMUSG00000069844.12	1212.784137	-0.694085495	1.35E-05	3.97E-05	Sco1
ENSMUSG00000071256.3	376.7060655	0.745022634	1.36E-05	3.99E-05	Zfp213
ENSMUSG00000078238.4	304.8275008	1.181139641	1.36E-05	3.99E-05	RP23-383D12.6
ENSMUSG00000080737.1	33.52428582	-2.836076632	1.36E-05	4.00E-05	RP23-283M22.1
ENSMUSG00000056952.13	3019.894189	-0.491212791	1.37E-05	4.02E-05	Tatdn2
ENSMUSG00000039826.13	1684.639666	-0.734623818	1.37E-05	4.03E-05	Trub2
ENSMUSG00000084898.1	6.772512371	6.140120451	1.37E-05	4.03E-05	RP23-340N6.1
ENSMUSG00000000766.18	17.00109307	-3.019466809	1.37E-05	4.03E-05	Oprm1
ENSMUSG00000113902.1	1604.719185	4.37199532	1.38E-05	4.03E-05	RP24-262G23.6
ENSMUSG00000027456.8	46.4954214	1.653750386	1.38E-05	4.04E-05	Sdcbp2

ENSMUSG00000072663.12	16.08464184	2.883397583	1.38E-05	4.05E-05	Spef2
ENSMUSG00000035125.10	850.222531	-0.682905556	1.39E-05	4.07E-05	Gcfc2
ENSMUSG00000032504.15	3214.283111	-0.987497801	1.39E-05	4.07E-05	Pdcd6ip
ENSMUSG00000047363.4	6.586603556	6.096084034	1.39E-05	4.08E-05	Cstad
ENSMUSG00000000278.10	4147.1817	-0.708902847	1.39E-05	4.08E-05	Scpep1
ENSMUSG00000008540.11	462.2348732	1.094623529	1.39E-05	4.08E-05	Mgst1
ENSMUSG00000017288.15	2763.843281	0.523268944	1.40E-05	4.09E-05	Vps53
ENSMUSG00000002949.15	1962.447666	-0.574039897	1.40E-05	4.10E-05	Timm44
ENSMUSG000000025227.14	480.537363	-0.828212671	1.40E-05	4.10E-05	Tmem180
ENSMUSG00000006418.17	3005.963679	0.511116016	1.40E-05	4.11E-05	Rnf114
ENSMUSG00000033712.6	3521.803237	0.742308632	1.41E-05	4.12E-05	Ccar2
ENSMUSG000000024121.13	380.0499471	0.76549553	1.42E-05	4.15E-05	Atp6v0c
ENSMUSG000000084168.3	3097.66469	1.62392173	1.42E-05	4.17E-05	Atp5l2-ps
ENSMUSG000000040287.9	25.97601352	2.712652124	1.43E-05	4.18E-05	Stac3
ENSMUSG000000028016.9	958.8130042	-0.71275258	1.43E-05	4.18E-05	Ints12
ENSMUSG000000031434.15	1205.226109	-0.80557384	1.43E-05	4.18E-05	Morc4
ENSMUSG00000010277.7	10132.44992	-1.138242746	1.43E-05	4.19E-05	RP23-185A18.9
ENSMUSG000000071343.2	50.68421797	-1.544815263	1.44E-05	4.20E-05	RP23-388A14.1
ENSMUSG000000052371.5	12.87630246	3.779447857	1.44E-05	4.22E-05	Hoxd3os1
ENSMUSG000000007591.15	19.41132047	2.371973583	1.45E-05	4.23E-05	Tssk4
ENSMUSG00000033323.13	1508.737893	-0.969272576	1.45E-05	4.25E-05	Ctdp1
ENSMUSG000000083367.1	2893.580154	-0.948890116	1.46E-05	4.28E-05	RP23-254K17.1
ENSMUSG000000081244.3	1216.312242	0.670477824	1.46E-05	4.28E-05	RP23-65G6.5
ENSMUSG000000102243.1	23.20201436	3.45505539	1.47E-05	4.29E-05	RP24-260D21.1
ENSMUSG000000103569.1	25.60699863	-2.174285697	1.47E-05	4.30E-05	RP24-325N3.3
ENSMUSG000000050671.12	93.41611915	1.233244629	1.47E-05	4.30E-05	lsm2
ENSMUSG000000112976.1	154.0817404	-2.275716246	1.47E-05	4.30E-05	RP23-300N8.4
ENSMUSG000000024593.15	147.1997883	1.245799243	1.47E-05	4.30E-05	Megf10
ENSMUSG000000108892.1	292.4636697	-2.225477608	1.48E-05	4.31E-05	RP23-28E6.1
ENSMUSG000000078486.3	12.337199	5.107244841	1.48E-05	4.32E-05	Perm1
ENSMUSG000000097616.7	97.86357073	-1.446570259	1.48E-05	4.33E-05	RP23-44E17.1
ENSMUSG000000105422.1	39.84506047	-2.079604738	1.48E-05	4.34E-05	RP24-162F23.9
ENSMUSG000000096563.1	52.0818519	-1.765544421	1.49E-05	4.34E-05	Gm24095
ENSMUSG000000106666.1	421.923875	-1.119853659	1.49E-05	4.35E-05	RP23-430D14.1
ENSMUSG000000036572.16	2938.575634	0.923754441	1.49E-05	4.35E-05	Upf3b
ENSMUSG000000037341.14	282.6601021	-1.231068529	1.49E-05	4.36E-05	Slc9a7
ENSMUSG000000031631.15	816.897095	0.677321178	1.49E-05	4.36E-05	Cfap97
ENSMUSG0000000091050.1	73.93135972	1.425139622	1.50E-05	4.37E-05	RP23-204C16.2
ENSMUSG000000110173.1	361.2145537	-0.725071079	1.50E-05	4.37E-05	RP23-442K7.6
ENSMUSG000000020642.13	1067.861023	0.998639302	1.50E-05	4.38E-05	Rnf144a
ENSMUSG000000079469.10	581.4869526	-1.156403874	1.50E-05	4.38E-05	Pigb
ENSMUSG000000112252.1	658.5278715	-0.657985855	1.50E-05	4.38E-05	RP23-468J15.6
ENSMUSG000000097202.1	9.664777105	-5.837811661	1.50E-05	4.38E-05	RP23-3N21.2
ENSMUSG000000108801.1	36.59251428	-2.119504648	1.52E-05	4.43E-05	RP23-430B14.2
ENSMUSG000000029576.17	437.7849239	-1.411729791	1.52E-05	4.43E-05	Radil
ENSMUSG000000001986.16	704.7210135	1.046745251	1.52E-05	4.44E-05	Gria3
ENSMUSG000000107019.1	44.42586973	2.090841228	1.52E-05	4.45E-05	RP24-470E5.4
ENSMUSG000000020843.15	2413.389008	1.091412428	1.53E-05	4.45E-05	Timm22
ENSMUSG000000006288.8	2739.81424	0.666810526	1.53E-05	4.46E-05	Ttc5
ENSMUSG000000087622.1	11.54801624	4.397325836	1.53E-05	4.46E-05	RP23-50H23.1
ENSMUSG000000100865.1	1819.714835	-1.471395918	1.53E-05	4.46E-05	RP23-85E24.2
ENSMUSG000000029007.8	1308.377959	-0.516871285	1.53E-05	4.47E-05	Agtrap
ENSMUSG000000102931.1	12.89830954	-3.402148323	1.54E-05	4.48E-05	RP23-335C3.8
ENSMUSG000000071708.11	15657.35468	-0.459160642	1.54E-05	4.49E-05	Sms
ENSMUSG000000069622.4	5828.616348	-0.956984819	1.54E-05	4.50E-05	Gm10273
ENSMUSG000000031201.17	1669.342615	-0.54113845	1.55E-05	4.50E-05	Brcc3
ENSMUSG000000073779.7	58.74327456	-1.746145822	1.55E-05	4.51E-05	Lrp8os2
ENSMUSG000000082625.1	429.4506752	-1.931095647	1.55E-05	4.51E-05	RP23-370I1.1
ENSMUSG000000108381.1	1527.211338	0.870857805	1.55E-05	4.51E-05	RP23-200D13.1
ENSMUSG0000000069729.14	3124.293975	0.75339967	1.55E-05	4.52E-05	Arid1b
ENSMUSG000000046215.3	15.40513109	-3.257060805	1.55E-05	4.52E-05	Rprml
ENSMUSG000000026062.12	16.83866198	-2.461265162	1.55E-05	4.52E-05	Slc9a2
ENSMUSG000000087221.3	26.12666594	2.697723588	1.55E-05	4.52E-05	AC115033.1
ENSMUSG000000037960.11	397.9420538	-0.64469903	1.55E-05	4.52E-05	Card19
ENSMUSG000000034973.16	917.0671118	1.402709344	1.56E-05	4.53E-05	Dopey1
ENSMUSG000000024908.15	5650.575314	-0.893921958	1.56E-05	4.54E-05	Ppp6r3
ENSMUSG000000029313.18	933.4160485	-1.088175839	1.56E-05	4.54E-05	Aff1
ENSMUSG0000000038600.12	11.11452098	5.871248202	1.56E-05	4.55E-05	Atp6v0a4
ENSMUSG000000083207.1	47.19615537	-1.385954482	1.57E-05	4.56E-05	RP23-104I6.1
ENSMUSG000000020903.13	1067.661814	1.419170352	1.57E-05	4.56E-05	Stx8
ENSMUSG000000024454.15	3794.441271	0.572119345	1.57E-05	4.57E-05	Hdac3
ENSMUSG000000114210.1	10.06094539	5.716645221	1.57E-05	4.57E-05	RP23-198J15.1
ENSMUSG000000025878.16	1424.64869	-0.607769286	1.57E-05	4.58E-05	Uimc1
ENSMUSG000000112765.1	11.87127271	4.020250752	1.58E-05	4.58E-05	RP23-179D3.4
ENSMUSG0000000082762.1	13789.5194	-1.003859003	1.58E-05	4.59E-05	RP23-307M2.2
ENSMUSG000000042831.13	551.728991	1.035075621	1.58E-05	4.59E-05	Alkbh6
ENSMUSG000000053465.6	7.106375042	6.212056085	1.58E-05	4.59E-05	Hs6st3
ENSMUSG000000085255.1	15.48950877	5.447347824	1.58E-05	4.59E-05	Taco1os
ENSMUSG000000056718.2	20.31140638	2.356000558	1.58E-05	4.59E-05	RP23-307E15.3
ENSMUSG000000100714.6	12.286813	5.105203606	1.58E-05	4.60E-05	RP23-158L19.7
ENSMUSG000000022386.12	340.3412	0.742789553	1.59E-05	4.62E-05	Trmu
ENSMUSG000000112216.1	659.8172771	-0.658611104	1.59E-05	4.63E-05	RP23-468J15.3
ENSMUSG000000025340.14	889.0896718	0.858074447	1.60E-05	4.65E-05	Rabgef1

ENSMUSG00000026171.12	1385.44982	0.82496779	1.60E-05	4.65E-05	Rnf25
ENSMUSG00000027263.12	1357.174443	-1.14467164	1.62E-05	4.70E-05	Tubgcp4
ENSMUSG00000031835.16	5652.308689	-1.03203408	1.62E-05	4.71E-05	Mbtps1
ENSMUSG00000051029.8	16.30688844	3.0745255	1.62E-05	4.71E-05	Serpib1b
ENSMUSG00000072955.14	19.13498119	2.449548119	1.63E-05	4.72E-05	Tmsb15l
ENSMUSG00000032443.16	12.35478466	4.075393041	1.63E-05	4.73E-05	Zcwpw2
ENSMUSG00000051786.15	1594.251574	-1.255832764	1.63E-05	4.73E-05	Tubgcp6
ENSMUSG00000105134.1	10.4582535	-4.467857507	1.63E-05	4.73E-05	RP23-328P19.4
ENSMUSG00000038695.13	284.1881336	0.94877049	1.63E-05	4.74E-05	Josd2
ENSMUSG00000024055.14	221.1692511	1.082550734	1.64E-05	4.75E-05	Cyp4f13
ENSMUSG00000037994.14	15.11027215	-3.533140016	1.64E-05	4.75E-05	Slc9b2
ENSMUSG00000033902.12	887.3928499	1.591192377	1.66E-05	4.81E-05	Mapkbp1
ENSMUSG00000085371.1	232.0016523	-0.920290288	1.66E-05	4.81E-05	AC129599.1
ENSMUSG00000020620.14	548.6686343	1.183463537	1.68E-05	4.87E-05	Abca8b
ENSMUSG00000057411.8	626.0093542	1.006528264	1.68E-05	4.88E-05	Fam173a
ENSMUSG00000035310.15	976.0751356	-1.072025673	1.68E-05	4.88E-05	Lin54
ENSMUSG00000024298.14	1103.983304	-2.363846002	1.69E-05	4.89E-05	Zfp871
ENSMUSG00000079395.3	61.74700821	-1.276721968	1.69E-05	4.91E-05	RP23-452F17.1
ENSMUSG00000015672.4	1047.271914	0.837283743	1.69E-05	4.91E-05	Mrpl32
ENSMUSG00000108392.1	22.379415	-2.545614229	1.70E-05	4.93E-05	RP23-179K11.3
ENSMUSG00000030281.16	29.10874391	2.569733021	1.70E-05	4.94E-05	Il17rc
ENSMUSG00000047604.3	345.9550771	1.101139243	1.70E-05	4.94E-05	Frat2
ENSMUSG00000091636.1	7.71506363	6.331746843	1.72E-05	4.98E-05	Akain1
ENSMUSG00000022296.9	18.20233112	2.587053655	1.72E-05	4.98E-05	Baalc
ENSMUSG00000100204.1	1235.296984	-1.558870394	1.72E-05	4.99E-05	RP24-119I6.5
ENSMUSG00000027134.4	955.351884	-0.640217106	1.72E-05	4.99E-05	Lpcat4
ENSMUSG00000047821.16	11.83427002	4.447794656	1.72E-05	4.99E-05	Trim16
ENSMUSG00000021810.3	2432.353551	-0.612366736	1.73E-05	5.02E-05	Ecd
ENSMUSG00000020128.15	2900.830053	-1.090697121	1.74E-05	5.03E-05	Vps54
ENSMUSG00000108906.1	59.10775175	-1.463870813	1.75E-05	5.06E-05	RP23-229E19.7
ENSMUSG00000100975.2	12.60120065	3.465155273	1.75E-05	5.06E-05	RP24-159O13.1
ENSMUSG00000061232.15	3107.439162	-0.786712044	1.75E-05	5.07E-05	H2-K1
ENSMUSG00000060843.11	6.895518457	6.152742485	1.75E-05	5.08E-05	Ctnna3
ENSMUSG00000052295.4	17.61021315	2.641463704	1.76E-05	5.09E-05	RP23-181F22.1
ENSMUSG00000116868.1	10.98852891	-5.122682298	1.77E-05	5.11E-05	RP23-388K12.3
ENSMUSG00000097452.2	15.42604788	3.775423228	1.77E-05	5.12E-05	RP23-438M9.1
ENSMUSG00000106156.1	79.51800269	1.250303683	1.78E-05	5.14E-05	RP23-299O17.5
ENSMUSG00000090904.1	32.5609481	2.126582121	1.78E-05	5.15E-05	RP24-364K9.3
ENSMUSG00000078861.8	470.1640176	-0.802066442	1.78E-05	5.16E-05	Zfp931
ENSMUSG00000107770.1	361.7864761	-0.721428368	1.78E-05	5.16E-05	RP24-554L15.2
ENSMUSG00000056380.13	57.68060656	1.591509559	1.79E-05	5.17E-05	Gpr50
ENSMUSG00000041592.16	754.5110596	1.759736351	1.79E-05	5.17E-05	Sdk2
ENSMUSG00000024158.17	826.547382	0.679143192	1.79E-05	5.18E-05	Hagh
ENSMUSG00000031642.9	1043.40687	0.855770877	1.80E-05	5.19E-05	Sh3rf1
ENSMUSG00000059883.16	39.49130472	1.645694076	1.80E-05	5.20E-05	Irak4
ENSMUSG00000086750.1	6.712962898	6.118944365	1.80E-05	5.20E-05	RP23-37J21.8
ENSMUSG00000070870.6	6.762109944	6.128029779	1.80E-05	5.21E-05	Cryge
ENSMUSG00000108079.1	12.36511646	5.119907862	1.81E-05	5.22E-05	RP23-4F16.6
ENSMUSG00000032959.12	15806.41757	1.088523394	1.81E-05	5.23E-05	Pebp1
ENSMUSG00000029538.14	3175.792664	-1.050696775	1.82E-05	5.25E-05	Srsf9
ENSMUSG00000064999.1	14.03891644	4.703971229	1.82E-05	5.26E-05	Gm26035
ENSMUSG00000031153.16	1299.184405	1.050003671	1.82E-05	5.26E-05	Gripap1
ENSMUSG00000023764.18	891.6480891	1.127500246	1.82E-05	5.27E-05	Sfi1
ENSMUSG00000102571.1	15.54311726	3.14604601	1.83E-05	5.28E-05	RP23-26I10.6
ENSMUSG00000106855.1	6.412912268	6.058352471	1.84E-05	5.30E-05	RP23-301C7.2
ENSMUSG00000037103.8	2100.573039	0.495810499	1.84E-05	5.31E-05	Dcaf15
ENSMUSG00000063594.5	51.70092218	1.891441958	1.85E-05	5.35E-05	Gng8
ENSMUSG00000106832.1	13.75450082	3.891036936	1.86E-05	5.37E-05	RP24-103L16.3
ENSMUSG00000111743.1	20.47134453	2.453202326	1.86E-05	5.38E-05	RP24-361I17.1
ENSMUSG00000060591.9	758.7152211	-0.89456172	1.87E-05	5.41E-05	Ifitm2
ENSMUSG00000009112.4	4260.999344	-1.08391919	1.88E-05	5.42E-05	Bcl2l13
ENSMUSG00000049576.6	89.226243	-2.487969948	1.88E-05	5.43E-05	Zfa-ps
ENSMUSG00000081972.1	375.2617291	0.731173069	1.88E-05	5.43E-05	RP23-316A19.2
ENSMUSG00000006390.15	575.2623512	-0.642825294	1.89E-05	5.44E-05	Elov1
ENSMUSG00000034066.13	180.9470883	1.312543742	1.89E-05	5.45E-05	Farp2
ENSMUSG00000104195.1	40.08087828	1.595749385	1.90E-05	5.47E-05	RP24-497L12.1
ENSMUSG00000069581.12	57.59019052	-1.58261775	1.90E-05	5.48E-05	Tsppear
ENSMUSG00000003032.8	99.66075922	1.281145105	1.90E-05	5.48E-05	Kif4
ENSMUSG00000103249.1	6.605528484	-6.270120126	1.91E-05	5.50E-05	RP24-550N13.3
ENSMUSG00000093793.1	16.79695419	-2.954142253	1.91E-05	5.51E-05	Gm24091
ENSMUSG00000114851.1	11.76797392	4.005107045	1.91E-05	5.51E-05	RP23-119P9.2
ENSMUSG00000104507.1	11.44196995	5.898379286	1.91E-05	5.52E-05	RP23-411B11.3
ENSMUSG00000097869.1	12.55982277	6.052121232	1.91E-05	5.52E-05	C230021G24Rik
ENSMUSG00000018126.15	31.26538888	-1.792026686	1.92E-05	5.52E-05	Baiap2l2
ENSMUSG00000102713.1	7.555681909	6.288866641	1.94E-05	5.58E-05	RP23-407E2.31
ENSMUSG00000031533.4	1120.462525	-0.741447851	1.94E-05	5.59E-05	Mrps31
ENSMUSG00000038762.15	8061.312484	-0.675594666	1.95E-05	5.61E-05	Abcf1
ENSMUSG00000103966.1	6.363252503	6.043309894	1.95E-05	5.62E-05	RP24-340N18.1
ENSMUSG00000107909.1	53.37049247	-1.71066486	1.95E-05	5.62E-05	RP24-441E15.4
ENSMUSG00000031510.5	12.07395418	3.675410361	1.95E-05	5.62E-05	AC126800.1
ENSMUSG00000050896.12	163.076728	-1.235681647	1.95E-05	5.63E-05	Rtn4rl2
ENSMUSG00000031818.12	18533.13594	1.499104516	1.95E-05	5.65E-05	Cox4i1
ENSMUSG00000110540.1	16.05284886	4.147566789	1.96E-05	5.66E-05	RP24-94F12.6

ENSMUSG00000044894.14	5540.762046	1.745108676	1.96E-05	5.66E-05	Uqcrq
ENSMUSG00000113569.1	154.6509254	-1.753490414	1.98E-05	5.69E-05	RP23-64B3.2
ENSMUSG00000108264.1	7.423641496	6.259957922	1.98E-05	5.69E-05	RP23-320B19.3
ENSMUSG00000079507.10	378.8294906	-0.833115832	1.98E-05	5.71E-05	H2-Q1
ENSMUSG00000021709.14	2184.525547	1.129155231	1.99E-05	5.74E-05	Erbp2ip
ENSMUSG00000083200.1	347.4253931	-1.270718654	2.00E-05	5.75E-05	RP23-159H8.4
ENSMUSG00000079265.10	9.675406438	-5.833511744	2.00E-05	5.76E-05	RP24-252L3.1
ENSMUSG00000079005.3	6.174655025	-6.16950902	2.00E-05	5.76E-05	RP23-283M2.3
ENSMUSG00000028580.15	5376.38127	-1.03691951	2.00E-05	5.77E-05	Pum1
ENSMUSG00000081370.1	191.7807696	0.847581083	2.01E-05	5.78E-05	AC165143.1
ENSMUSG00000055866.9	182.8835	-1.638137367	2.01E-05	5.78E-05	Per2
ENSMUSG00000109598.1	7.72444062	6.333157879	2.01E-05	5.79E-05	RP23-226C6.3
ENSMUSG00000030224.10	17062.68958	-0.536643076	2.02E-05	5.80E-05	Strap
ENSMUSG00000106464.1	7.193477046	6.23040613	2.02E-05	5.81E-05	RP24-309H3.5
ENSMUSG00000078552.10	13.59238334	5.266605527	2.02E-05	5.81E-05	Dcdc2b
ENSMUSG00000030876.7	3808.566721	0.800035993	2.03E-05	5.82E-05	Mettl9
ENSMUSG00000059273.9	2510.816929	-1.329141979	2.04E-05	5.86E-05	Zc3h4
ENSMUSG00000040524.9	3613.862799	-1.863878167	2.05E-05	5.88E-05	Zfp609
ENSMUSG00000100632.1	17.13970811	2.463225049	2.05E-05	5.89E-05	RP23-45A13.4
ENSMUSG00000027907.4	480.0075985	1.16545847	2.05E-05	5.89E-05	S100a11
ENSMUSG00000085025.1	6.487284027	6.066917768	2.05E-05	5.90E-05	RP23-89M14.4
ENSMUSG00000112961.1	6.487284027	6.066917768	2.05E-05	5.90E-05	RP23-344H4.5
ENSMUSG00000047044.7	939.4293554	-0.656799642	2.07E-05	5.94E-05	D030056L22Rik
ENSMUSG00000052861.13	18.79668387	3.266896531	2.07E-05	5.94E-05	Dnah6
ENSMUSG00000099032.2	35.20529714	-1.966067866	2.07E-05	5.96E-05	Tcf24
ENSMUSG00000038412.8	2076.024496	0.99151684	2.08E-05	5.96E-05	Higd1a
ENSMUSG00000105564.1	73.26227193	1.274900694	2.08E-05	5.97E-05	RP24-79B1.4
ENSMUSG00000084145.3	427.2843413	-0.826941018	2.08E-05	5.98E-05	RP23-210M6.8
ENSMUSG00000040372.2	97.34666456	-2.548754375	2.09E-05	6.00E-05	Gpr63
ENSMUSG00000029312.12	565.3067018	0.775307625	2.09E-05	6.00E-05	Klhl8
ENSMUSG00000020098.7	203.9609025	1.358424008	2.09E-05	6.01E-05	Pcbd1
ENSMUSG00000086567.1	126.2003923	1.858247211	2.09E-05	6.01E-05	RP24-385A10.4
ENSMUSG00000021694.18	830.3791748	-0.536209791	2.10E-05	6.02E-05	Ercc8
ENSMUSG00000029632.7	7049.247901	1.376798606	2.10E-05	6.04E-05	Ndufa4
ENSMUSG00000021496.12	236.112658	1.35555584	2.11E-05	6.05E-05	Pcbd2
ENSMUSG00000047281.3	13.81407586	3.607644834	2.11E-05	6.05E-05	Sfn
ENSMUSG00000074746.2	4141.329985	-1.088307046	2.11E-05	6.06E-05	Pdzd8
ENSMUSG00000110308.1	12.06867042	5.977047454	2.12E-05	6.07E-05	RP24-116G1.2
ENSMUSG00000103823.1	8638.139032	-0.923601761	2.12E-05	6.08E-05	RP24-400J22.1
ENSMUSG00000031511.15	3082.542037	1.03505688	2.12E-05	6.09E-05	Arhgef7
ENSMUSG00000106351.1	58.51142636	1.212024807	2.12E-05	6.09E-05	RP24-390F5.2
ENSMUSG00000082415.1	64.31659767	-1.312417681	2.13E-05	6.11E-05	RP23-434L7.1
ENSMUSG00000031242.7	1004.816948	0.767059274	2.13E-05	6.11E-05	RP23-284F8.1
ENSMUSG00000084883.2	2807.303543	-0.70294388	2.13E-05	6.12E-05	Ccdc85c
ENSMUSG00000021065.16	1531.371655	0.994035011	2.13E-05	6.12E-05	Fut8
ENSMUSG00000102692.1	146.9105084	-2.038153839	2.14E-05	6.13E-05	Dchs2
ENSMUSG00000051251.3	15.53581779	2.839307119	2.14E-05	6.13E-05	Nhlh1
ENSMUSG00000063354.7	34.26674215	-1.754100848	2.14E-05	6.13E-05	Slc39a4
ENSMUSG00000078898.9	678.0553142	-1.630381268	2.14E-05	6.14E-05	RP23-317N11.1
ENSMUSG00000107600.1	21.3318959	2.517508097	2.14E-05	6.14E-05	RP24-174O2.3
ENSMUSG00000019715.14	2306.213564	0.494369495	2.16E-05	6.19E-05	Gle1
ENSMUSG00000095789.6	22.37497179	3.005958985	2.16E-05	6.19E-05	Nupr11
ENSMUSG00000037610.15	70.88917099	1.318722625	2.16E-05	6.19E-05	Kcnmb2
ENSMUSG00000074149.9	6.513021459	6.071791468	2.16E-05	6.20E-05	RP23-229N10.2
ENSMUSG00000078776.9	6.513021459	6.071791468	2.16E-05	6.20E-05	AC141883.1
ENSMUSG00000003423.15	1516.562673	1.182738534	2.17E-05	6.22E-05	Pih1d1
ENSMUSG00000024747.3	53.05146682	1.672027501	2.17E-05	6.22E-05	Aldh1a7
ENSMUSG00000032532.7	8.589308032	6.467294308	2.17E-05	6.22E-05	Cck
ENSMUSG00000021893.14	1885.561904	1.059898842	2.18E-05	6.23E-05	Capn7
ENSMUSG00000020432.12	1258.476899	0.641561436	2.18E-05	6.23E-05	Tcn2
ENSMUSG00000106513.1	7.58819157	6.307443671	2.18E-05	6.24E-05	Gm44348
ENSMUSG00000108615.1	364.9925358	-1.089916759	2.18E-05	6.25E-05	RP23-136A14.1
ENSMUSG00000038658.15	1982.709294	-1.113073645	2.19E-05	6.25E-05	Ric1
ENSMUSG00000078903.10	941.589237	-0.718260563	2.19E-05	6.26E-05	RP23-330D3.3
ENSMUSG00000039662.16	2200.471038	-0.847865823	2.19E-05	6.27E-05	lcmt
ENSMUSG00000111108.1	130.2300273	-0.94928081	2.20E-05	6.28E-05	RP24-324J2.1
ENSMUSG00000020329.12	1136.553636	-0.71048026	2.20E-05	6.28E-05	Polrmt
ENSMUSG00000034853.16	55.64823111	1.421183388	2.20E-05	6.29E-05	Acot11
ENSMUSG00000049299.14	2563.547598	1.145710562	2.21E-05	6.31E-05	Trappc1
ENSMUSG00000052911.9	1172.968766	0.973945912	2.21E-05	6.32E-05	Lamb2
ENSMUSG00000049231.6	64.67277735	2.455700066	2.23E-05	6.36E-05	RP23-214E3.10
ENSMUSG00000110630.1	15.307113724	2.941872545	2.23E-05	6.36E-05	RP24-178J22.1
ENSMUSG00000114708.1	7.308644298	6.253218891	2.23E-05	6.36E-05	RP23-119P9.3
ENSMUSG00000070778.5	805.7203939	-0.896430749	2.23E-05	6.37E-05	Rpl7a-ps8
ENSMUSG00000028850.2	510.0737746	-0.818967449	2.23E-05	6.37E-05	Gpatch3
ENSMUSG00000029307.7	6.569386185	-6.258084391	2.24E-05	6.40E-05	Dmp1
ENSMUSG00000099528.1	11.15972402	-4.139127461	2.24E-05	6.41E-05	RP23-337F21.1
ENSMUSG00000097595.2	8.751294513	6.494734645	2.25E-05	6.42E-05	RP24-69E5.3
ENSMUSG00000036661.14	215.8253844	-1.905997078	2.25E-05	6.42E-05	Dennd3
ENSMUSG00000073628.5	6.186343967	-6.171909183	2.25E-05	6.43E-05	AC147806.3
ENSMUSG00000079006.3	6.186343967	-6.171909183	2.25E-05	6.43E-05	RP23-283M2.1
ENSMUSG00000031603.14	19.06860006	2.751265057	2.25E-05	6.44E-05	Fgf20
ENSMUSG00000041079.12	428.1368682	0.885451407	2.26E-05	6.46E-05	Rwdd2b

ENSMUSG00000083627.1	521.0695965	-0.721969175	2.26E-05	6.46E-05	RP23-214E3.12
ENSMUSG00000024038.16	2775.837086	1.449880576	2.27E-05	6.47E-05	Ndufv3
ENSMUSG00000006121.15	832.9892352	-0.860062725	2.27E-05	6.47E-05	Gemin2
ENSMUSG000000031723.8	381.1825374	1.119564011	2.27E-05	6.48E-05	Txn14b
ENSMUSG000000060538.14	269.7624463	1.308905242	2.27E-05	6.48E-05	Tmem219
ENSMUSG00000114529.1	242.6508155	-1.052535214	2.27E-05	6.48E-05	RP23-78F5.2
ENSMUSG000000035954.10	1270.135932	1.026528756	2.27E-05	6.49E-05	Dock4
ENSMUSG00000072572.9	86.35590808	1.274636485	2.28E-05	6.50E-05	Slc39a2
ENSMUSG000000035944.17	98.25213253	1.189975142	2.28E-05	6.50E-05	Ttc38
ENSMUSG00000031508.14	4732.910466	-0.678319296	2.29E-05	6.52E-05	Ankrd10
ENSMUSG000000055401.14	348.332262	0.871663071	2.29E-05	6.53E-05	Fbxo6
ENSMUSG000000082369.1	52.62632222	-2.735567689	2.29E-05	6.53E-05	RP23-355P22.1
ENSMUSG00000032558.19	672.1459992	-1.329314282	2.29E-05	6.54E-05	Nphp3
ENSMUSG00000104974.1	12.75628444	-3.484224769	2.30E-05	6.55E-05	RP23-181F22.3
ENSMUSG000000044617.8	1415.018302	-1.26407232	2.30E-05	6.56E-05	Zbtb39
ENSMUSG000000024663.17	168.9943217	0.998295121	2.30E-05	6.56E-05	Rab31l1
ENSMUSG00000067719.5	6005.376835	1.555714789	2.30E-05	6.56E-05	RP23-116G17.4
ENSMUSG00000116164.1	15.79633387	3.012990119	2.31E-05	6.58E-05	RP23-432N1.10
ENSMUSG000000097461.1	52.07613859	1.573761099	2.31E-05	6.59E-05	Gm26735
ENSMUSG00000102516.1	10.84430857	3.860197623	2.31E-05	6.59E-05	RP24-142E6.4
ENSMUSG00000096883.2	101.0834686	-1.339225602	2.33E-05	6.63E-05	Shisa8
ENSMUSG00000079845.8	94.34360486	1.50757294	2.33E-05	6.64E-05	Xlr4a
ENSMUSG00000104411.1	6.583763021	6.090858196	2.34E-05	6.65E-05	RP23-68L13.1
ENSMUSG00000009731.4	244.7897145	-0.82577969	2.34E-05	6.66E-05	Kcnd1
ENSMUSG00000113361.1	21.70422479	2.383803625	2.35E-05	6.69E-05	RP23-60K23.7
ENSMUSG000000080823.1	558.6662277	1.716314006	2.35E-05	6.70E-05	Atp5l-ps2
ENSMUSG000000080928.1	1136.773705	-0.867306951	2.35E-05	6.70E-05	Hmgb1-ps6
ENSMUSG00000104578.1	58.37517731	1.207058185	2.35E-05	6.70E-05	RP23-408K8.3
ENSMUSG00000097799.1	12.67996572	-3.272441872	2.36E-05	6.72E-05	Gm26899
ENSMUSG000000030470.15	6.301887931	6.025926447	2.37E-05	6.73E-05	Csrp3
ENSMUSG000000020258.16	44.12020923	-1.91065534	2.37E-05	6.76E-05	Glyctk
ENSMUSG00000021055.14	43.64422322	-1.522055721	2.39E-05	6.79E-05	Esr2
ENSMUSG00000035868.8	160.383869	1.478421848	2.39E-05	6.79E-05	Zfp983
ENSMUSG00000114939.1	26.28765555	3.191306962	2.39E-05	6.79E-05	RP23-15K11.1
ENSMUSG00000113362.1	19.58885439	2.463873723	2.39E-05	6.80E-05	RP24-159L15.2
ENSMUSG00000018322.10	1635.050035	-0.509293545	2.41E-05	6.84E-05	Tomm34
ENSMUSG00000031546.6	1766.257332	-0.651726963	2.42E-05	6.88E-05	Gins4
ENSMUSG000000097294.1	11.86738009	5.043378584	2.42E-05	6.89E-05	Gm26888
ENSMUSG00000034165.16	2403.694899	-0.667074129	2.43E-05	6.92E-05	Ccnd3
ENSMUSG00000026921.18	343.6132277	-1.432716316	2.44E-05	6.94E-05	Egfl7
ENSMUSG00000037827.5	597.3033074	-0.832514273	2.45E-05	6.96E-05	RP24-97D9.5
ENSMUSG000000029832.16	120.0443995	-1.144608871	2.46E-05	6.99E-05	Nfe2l3
ENSMUSG00000046329.14	1424.918161	1.2973035	2.46E-05	6.99E-05	Slc25a23
ENSMUSG00000019868.16	1906.439076	0.667094313	2.47E-05	7.01E-05	Vta1
ENSMUSG00000038582.15	1138.105578	-0.587331763	2.48E-05	7.04E-05	Pptc7
ENSMUSG00000062859.14	41.07215007	1.54369939	2.48E-05	7.05E-05	Top11
ENSMUSG00000114323.1	5.932955583	-6.114307186	2.48E-05	7.05E-05	RP23-298D14.4
ENSMUSG00000086716.1	14.29977967	3.018475082	2.48E-05	7.06E-05	RP23-309H19.5
ENSMUSG00000027569.15	910.7659334	0.665365402	2.49E-05	7.06E-05	Mrgbp
ENSMUSG00000024085.13	2316.185299	-1.402288291	2.49E-05	7.06E-05	Man2a1
ENSMUSG00000040729.7	412.659187	-1.266144556	2.49E-05	7.07E-05	Cep126
ENSMUSG00000115381.1	19.94846889	2.321219017	2.51E-05	7.13E-05	RP24-406I1.2
ENSMUSG00000112237.1	54.43344029	1.345877906	2.52E-05	7.16E-05	RP23-182J19.2
ENSMUSG00000113152.1	11.59538399	-3.839155939	2.53E-05	7.18E-05	RP24-468P7.1
ENSMUSG00000085397.1	9.641518867	5.660552527	2.53E-05	7.18E-05	RP23-320N1.1
ENSMUSG00000039224.1	87.33837862	-2.280661203	2.54E-05	7.20E-05	D1Pas1
ENSMUSG00000109673.1	537.1602623	1.533907048	2.55E-05	7.24E-05	RP24-503E20.3
ENSMUSG00000018474.17	1874.856453	1.210478822	2.57E-05	7.28E-05	Chd3
ENSMUSG00000020654.15	470.8762409	-1.154828266	2.57E-05	7.30E-05	Adcy3
ENSMUSG000000048755.9	1017.637964	0.711935948	2.57E-05	7.30E-05	Mcat
ENSMUSG00000111434.1	10.18480351	6.71448485	2.58E-05	7.33E-05	RP24-325N9.5
ENSMUSG00000097601.2	21.74907058	2.47427883	2.59E-05	7.35E-05	RP24-573N21.3
ENSMUSG00000113487.1	13.15526305	5.195605901	2.59E-05	7.35E-05	RP23-138L1.3
ENSMUSG000000051043.16	518.4428666	0.888497238	2.59E-05	7.36E-05	Gprc5c
ENSMUSG00000034292.13	861.5476985	-0.748733458	2.60E-05	7.36E-05	Traf3ip1
ENSMUSG00000097515.2	11.43357188	4.987539535	2.60E-05	7.36E-05	RP23-298M23.5
ENSMUSG00000022812.14	4911.732994	1.035217113	2.60E-05	7.37E-05	Gsk3b
ENSMUSG00000104834.1	79.30912382	1.259352636	2.60E-05	7.38E-05	RP24-79B1.2
ENSMUSG00000024248.13	6964.629182	1.326129029	2.61E-05	7.38E-05	Cox7a2l
ENSMUSG00000080836.1	500.6156049	1.257278255	2.61E-05	7.40E-05	AC158114.4
ENSMUSG00000031701.6	7917.903649	-0.486388757	2.64E-05	7.47E-05	Dnaja2
ENSMUSG00000039253.7	692.5370104	-0.646288684	2.64E-05	7.47E-05	Fn3krp
ENSMUSG00000026754.16	702.8270288	1.262924011	2.65E-05	7.51E-05	Golga1
ENSMUSG00000002546.16	1835.403857	1.024310938	2.66E-05	7.53E-05	Golga2
ENSMUSG00000038305.15	405.2490237	0.906624802	2.66E-05	7.54E-05	Spats2l
ENSMUSG00000048277.15	1753.111898	-0.662480344	2.67E-05	7.55E-05	Syngn2
ENSMUSG00000001998.15	806.1912519	-1.446482067	2.67E-05	7.57E-05	Ap4e1
ENSMUSG00000029598.12	1591.448345	-0.824041669	2.68E-05	7.58E-05	Plbd2
ENSMUSG00000048655.17	10.74432414	4.904435922	2.68E-05	7.58E-05	Ccdc169
ENSMUSG00000045962.16	10276.45452	-1.250782673	2.68E-05	7.58E-05	Wnk1
ENSMUSG00000075217.1	12.5865612	3.204549363	2.69E-05	7.61E-05	RP23-429P18.4
ENSMUSG00000030763.7	2034.825071	0.965331423	2.69E-05	7.63E-05	Lcmt1
ENSMUSG00000053536.6	3097.841156	0.475562914	2.70E-05	7.64E-05	Cstf2t

ENSMUSG00000039058.11	55.54823546	1.793497317	2.70E-05	7.64E-05	Ak5
ENSMUSG00000048486.6	686.6524732	0.545581071	2.70E-05	7.65E-05	Fitm2
ENSMUSG000000083288.1	49.94258884	-1.542322265	2.70E-05	7.65E-05	Csnk2a1-ps
ENSMUSG00000006395.16	141.0441291	1.404165856	2.70E-05	7.65E-05	Hyi
ENSMUSG000000033416.15	707.1365839	0.757961113	2.71E-05	7.66E-05	Gucd1
ENSMUSG00000022315.3	6.404047997	6.060975432	2.72E-05	7.68E-05	Slc30a8
ENSMUSG000000095371.1	11.60246691	3.951231931	2.72E-05	7.68E-05	RP24-246L19.1
ENSMUSG00000097702.1	6.782679022	6.128555164	2.72E-05	7.69E-05	RP24-414A22.8
ENSMUSG000000037005.16	6.279503754	6.032194134	2.72E-05	7.69E-05	Xpnpep2
ENSMUSG00000080058.2	18.05804823	2.910889583	2.73E-05	7.72E-05	RP23-410L16.3
ENSMUSG000000114897.1	5.988122746	-6.125639478	2.73E-05	7.73E-05	RP23-10F5.1
ENSMUSG00000005233.16	1934.902058	-0.794049104	2.74E-05	7.75E-05	Spc25
ENSMUSG000000115373.1	13.73082466	5.260571776	2.74E-05	7.75E-05	RP23-248E1.5
ENSMUSG000000055745.4	23.16079034	2.258934797	2.74E-05	7.76E-05	Rtl6
ENSMUSG000000061833.6	5204.550881	-0.926707492	2.75E-05	7.76E-05	RP23-147P2.4
ENSMUSG000000109529.1	8.784081118	6.500541776	2.75E-05	7.76E-05	RP23-52J10.4
ENSMUSG000000056476.13	655.618749	1.256055898	2.76E-05	7.79E-05	Med12l
ENSMUSG00000079428.8	126.6113177	1.258613843	2.76E-05	7.79E-05	Tceal7
ENSMUSG000000031755.6	588.3022824	1.035495665	2.76E-05	7.80E-05	Bbs2
ENSMUSG000000023087.15	1418.942015	-0.579474884	2.78E-05	7.85E-05	Noct
ENSMUSG000000055172.10	23.58130228	-1.908400979	2.78E-05	7.85E-05	C1ra
ENSMUSG000000017631.18	2916.267751	1.321369544	2.79E-05	7.87E-05	Abr
ENSMUSG000000048939.13	11.55294777	5.001250768	2.79E-05	7.88E-05	Atp13a5
ENSMUSG000000094832.1	6.477907037	6.065275209	2.80E-05	7.90E-05	RP23-211E12.1
ENSMUSG000000027955.16	213.6511797	-0.944559797	2.80E-05	7.91E-05	Fam198b
ENSMUSG000000025484.9	528.6412661	0.978823467	2.81E-05	7.93E-05	Bet1l
ENSMUSG000000032511.17	274.9460688	-1.302765409	2.81E-05	7.93E-05	Scn5a
ENSMUSG000000055762.16	8111.088487	-1.082348623	2.81E-05	7.93E-05	Eef1d
ENSMUSG000000026023.16	7.451194026	6.262054996	2.81E-05	7.93E-05	Cdk15
ENSMUSG000000027762.6	20.21098869	-2.023557933	2.83E-05	8.00E-05	Sucnr1
ENSMUSG000000092325.2	434.3285825	1.01952707	2.84E-05	8.02E-05	RP24-216B4.2
ENSMUSG000000031932.14	9.206024714	5.585805429	2.86E-05	8.06E-05	Gpr83
ENSMUSG000000038732.15	90.89216221	-0.981123604	2.86E-05	8.06E-05	Mboat1
ENSMUSG000000052525.14	12.40049581	4.506125617	2.86E-05	8.07E-05	Spdya
ENSMUSG0000000081137.3	935.0971488	1.095911742	2.88E-05	8.11E-05	RP23-37L2.3
ENSMUSG000000022483.17	822.8662733	1.412859142	2.88E-05	8.11E-05	Col2a1
ENSMUSG000000079610.9	245.1331292	0.741629531	2.88E-05	8.13E-05	Ankrd39
ENSMUSG000000058183.14	99.65213794	0.968477689	2.89E-05	8.16E-05	Mmel1
ENSMUSG000000025196.4	12.69239081	4.106826295	2.90E-05	8.16E-05	Cpn1
ENSMUSG000000030800.10	9.687976926	-4.340689196	2.90E-05	8.17E-05	Prss8
ENSMUSG000000042228.14	156.664393	-0.932218752	2.90E-05	8.18E-05	Lyn
ENSMUSG000000082197.1	176.4817318	-1.011543815	2.91E-05	8.19E-05	RP23-257P3.1
ENSMUSG000000074578.13	1981.505095	-1.053996434	2.91E-05	8.20E-05	Zfas1
ENSMUSG000000021180.9	486.0960386	-0.816590296	2.91E-05	8.21E-05	Rps6ka5
ENSMUSG000000109416.1	22.75071843	2.554974627	2.93E-05	8.25E-05	RP23-429C4.2
ENSMUSG000000050271.12	1140.050845	-1.469664506	2.93E-05	8.26E-05	Prag1
ENSMUSG000000053754.14	7627.687365	-0.830400291	2.93E-05	8.26E-05	Chd8
ENSMUSG000000022517.17	2361.858423	1.104444794	2.95E-05	8.31E-05	Mgrn1
ENSMUSG000000005583.16	174.3891625	1.132436035	2.96E-05	8.33E-05	Mef2c
ENSMUSG000000094672.1	6.379576359	-6.216217365	2.96E-05	8.34E-05	Vmn2r25
ENSMUSG000000111960.1	10.35705541	-5.059399508	2.97E-05	8.37E-05	RP23-7A5.1
ENSMUSG000000022574.7	70.86155764	-1.507365956	2.97E-05	8.37E-05	Naprt
ENSMUSG000000028184.12	6649.873469	-1.478767039	2.98E-05	8.38E-05	Adgr12
ENSMUSG00000001493.9	11.41666699	4.966954079	2.98E-05	8.39E-05	Meox1
ENSMUSG000000113019.1	107.0359472	-1.468014435	2.98E-05	8.39E-05	RP23-95L9.3
ENSMUSG000000107092.1	10094.89031	-0.707691243	2.98E-05	8.39E-05	RP23-57A17.2
ENSMUSG000000020801.8	713.4080115	1.087452023	2.99E-05	8.40E-05	Med31
ENSMUSG000000049093.9	6.591259191	6.096187687	3.00E-05	8.43E-05	Il23r
ENSMUSG000000071014.10	2406.614147	1.435839726	3.00E-05	8.44E-05	Ndufb6
ENSMUSG000000103377.1	15.56932917	4.841909885	3.01E-05	8.45E-05	RP23-317L18.4
ENSMUSG000000086228.2	52.66056898	3.491988969	3.02E-05	8.50E-05	Ubp1l
ENSMUSG000000113047.1	253.584727	-1.588732233	3.02E-05	8.50E-05	RP23-95L9.7
ENSMUSG000000033253.18	1454.090456	-1.681383392	3.03E-05	8.51E-05	Szt2
ENSMUSG000000083111.1	233.3832701	-1.169954948	3.03E-05	8.51E-05	RP23-360A2.2
ENSMUSG000000040811.15	1207.588521	0.780088141	3.03E-05	8.52E-05	Eml2
ENSMUSG000000108022.1	6.671890461	6.120615484	3.03E-05	8.52E-05	RP23-78P7.2
ENSMUSG000000092458.1	98.23936309	1.035901007	3.04E-05	8.54E-05	RP23-452G2.1
ENSMUSG000000048796.7	327.9549981	1.092218866	3.04E-05	8.54E-05	Cyb561d1
ENSMUSG000000113831.1	231.994996	1.020252217	3.04E-05	8.54E-05	RP24-144G20.2
ENSMUSG000000022946.10	699.3499455	1.598508533	3.04E-05	8.55E-05	Dopey2
ENSMUSG000000034354.17	4165.548866	0.991024386	3.04E-05	8.55E-05	Mtmr3
ENSMUSG000000040146.9	64.42335148	-1.745331819	3.06E-05	8.59E-05	Rgl3
ENSMUSG000000086807.8	12.76060729	-2.882459086	3.06E-05	8.59E-05	Platr21
ENSMUSG000000111547.1	24.56569459	2.22515169	3.07E-05	8.62E-05	RP23-99O13.6
ENSMUSG000000027221.5	1236.953438	-0.806789738	3.07E-05	8.63E-05	Chst1
ENSMUSG000000113854.1	502.1260762	0.725623875	3.08E-05	8.64E-05	RP23-290N23.6
ENSMUSG000000028494.12	318.7779874	0.717297032	3.08E-05	8.64E-05	Plin2
ENSMUSG000000022635.9	2442.912642	1.323217246	3.09E-05	8.67E-05	Zcrb1
ENSMUSG000000101621.2	6.090754404	5.97892207	3.09E-05	8.67E-05	RP23-245C15.1
ENSMUSG000000078519.3	7.618137638	6.309507282	3.10E-05	8.70E-05	RP23-22M2.1
ENSMUSG000000090790.1	60.35888702	-1.591328929	3.10E-05	8.70E-05	Gm17377
ENSMUSG000000085564.1	13.35085722	-2.784466412	3.11E-05	8.72E-05	RP23-370G8.1
ENSMUSG000000078862.10	871.2152844	-1.048935639	3.11E-05	8.72E-05	RP24-87L14.1

ENSMUSG00000044149.6	1342.253337	-0.932972031	3.12E-05	8.74E-05	Nkrf
ENSMUSG00000104651.1	19.64716828	-2.488323692	3.12E-05	8.77E-05	RP23-56M18.8
ENSMUSG00000096934.1	6.277175937	6.031784673	3.13E-05	8.78E-05	Gm26658
ENSMUSG00000005469.10	3519.390871	0.559791919	3.14E-05	8.79E-05	Prkaca
ENSMUSG000000098923.1	458.3249501	0.641673888	3.14E-05	8.80E-05	Tmem185b
ENSMUSG00000015697.14	4430.95958	-1.251327507	3.14E-05	8.80E-05	Setdb1
ENSMUSG00000045316.4	348.5232537	1.236133268	3.14E-05	8.81E-05	Fahd1
ENSMUSG00000002028.13	4631.954132	-0.8285311	3.16E-05	8.85E-05	Kmt2a
ENSMUSG00000047989.11	1267.299832	0.511256091	3.17E-05	8.87E-05	Ino80c
ENSMUSG00000016252.7	4107.40575	1.895001887	3.17E-05	8.88E-05	Atp5e
ENSMUSG00000105284.1	9.069759799	5.561704975	3.17E-05	8.88E-05	RP23-423J10.6
ENSMUSG00000005057.13	605.3426959	1.038573651	3.17E-05	8.88E-05	Sh2b2
ENSMUSG00000039396.11	300.5172691	-0.857217723	3.17E-05	8.88E-05	Neil3
ENSMUSG000000067194.6	19032.99039	-0.804228184	3.17E-05	8.88E-05	Eif1ax
ENSMUSG000000085006.7	249.3976	-1.936897266	3.18E-05	8.90E-05	AC127252.5
ENSMUSG000000028851.6	13017.79321	-0.805093823	3.18E-05	8.90E-05	Nudc
ENSMUSG000000094417.1	66.45880258	-1.446914386	3.18E-05	8.91E-05	RP23-395N7.4
ENSMUSG00000025949.16	2426.81595	-0.981355121	3.18E-05	8.91E-05	Pikfyve
ENSMUSG000000058665.8	94.52756299	-1.213272164	3.19E-05	8.93E-05	En1
ENSMUSG000000019303.14	728.9464937	-0.924202421	3.19E-05	8.93E-05	Psmc3ip
ENSMUSG00000025869.11	2052.765938	-1.123273149	3.20E-05	8.95E-05	Nop16
ENSMUSG000000082381.1	182.3060689	-2.031672313	3.20E-05	8.96E-05	RP23-204N19.1
ENSMUSG000000010651.4	349.7426412	1.067630656	3.20E-05	8.97E-05	Acaa1b
ENSMUSG000000058486.11	747.5282208	0.524487647	3.21E-05	8.98E-05	Wdr91
ENSMUSG000000023411.12	545.4429482	-0.59922565	3.21E-05	8.98E-05	Nfatc4
ENSMUSG000000036932.14	2451.445132	-0.531440348	3.23E-05	9.03E-05	Aifm1
ENSMUSG000000049303.10	33.22499963	1.919567761	3.23E-05	9.03E-05	Syt12
ENSMUSG00000103529.1	68.76456306	2.607092557	3.25E-05	9.09E-05	RP23-136I1.2
ENSMUSG000000099696.6	5.907686126	5.935461607	3.25E-05	9.09E-05	RP24-247B20.1
ENSMUSG000000018199.9	4449.068393	0.640190867	3.26E-05	9.12E-05	Trove2
ENSMUSG000000030727.12	512.1349498	-0.635146432	3.26E-05	9.12E-05	Rabep2
ENSMUSG000000096917.2	108.1326454	-1.075641447	3.26E-05	9.12E-05	RP24-445L16.3
ENSMUSG000000085066.2	26.0459173	-2.133392043	3.26E-05	9.12E-05	RP23-15J3.7
ENSMUSG000000027630.13	2064.938345	-0.907310459	3.26E-05	9.12E-05	Tbl1xr1
ENSMUSG000000082343.1	14.60642551	3.219108533	3.27E-05	9.13E-05	RP23-67E6.4
ENSMUSG000000034235.17	1120.540502	-1.458119365	3.27E-05	9.14E-05	Usp54
ENSMUSG000000036769.14	649.5448098	-0.935378966	3.27E-05	9.14E-05	Wdr44
ENSMUSG000000084067.3	2201.625007	-0.489771859	3.27E-05	9.15E-05	RP23-321D1.4
ENSMUSG000000084220.1	124.4188692	-0.974472306	3.27E-05	9.15E-05	RP23-409B1.1
ENSMUSG000000042797.9	272.0770787	0.691968047	3.28E-05	9.16E-05	Aqp11
ENSMUSG000000020053.18	12.55838055	4.507897719	3.28E-05	9.16E-05	Igf1
ENSMUSG000000022553.16	2454.011534	0.888315943	3.28E-05	9.17E-05	Maf1
ENSMUSG000000097610.2	12.27961789	3.713167974	3.29E-05	9.18E-05	RP23-275E4.1
ENSMUSG000000021714.15	578.6833069	-0.718662874	3.30E-05	9.22E-05	Cenpk
ENSMUSG000000000253.13	304.314325	0.889636006	3.30E-05	9.22E-05	Gmpr
ENSMUSG000000097637.1	9.635340942	5.650952367	3.30E-05	9.23E-05	RP23-115O21.7
ENSMUSG00000017716.15	4000.664915	-1.236303608	3.30E-05	9.23E-05	Birc5
ENSMUSG000000033439.12	641.1936181	-0.843017203	3.32E-05	9.27E-05	Trmt13
ENSMUSG000000030469.10	843.9852965	-0.747780888	3.32E-05	9.27E-05	Zfp719
ENSMUSG000000085156.7	665.8180399	-0.873016057	3.32E-05	9.27E-05	RP23-69P8.2
ENSMUSG000000075268.2	3730.66947	0.741940637	3.34E-05	9.32E-05	RP23-231N20.2
ENSMUSG00000114551.1	7456.00696	-0.944624101	3.34E-05	9.32E-05	RP24-84E11.1
ENSMUSG000000070044.15	89.56852099	-1.544935894	3.35E-05	9.35E-05	Fam149a
ENSMUSG000000033429.10	346.3176108	1.090737711	3.35E-05	9.36E-05	Mcee
ENSMUSG000000000037.16	493.4112413	1.384282384	3.38E-05	9.42E-05	Scml2
ENSMUSG000000051166.10	2369.447393	0.838087526	3.39E-05	9.46E-05	Eml5
ENSMUSG000000015133.17	147.9573793	1.058429373	3.40E-05	9.50E-05	Lrrk1
ENSMUSG000000032726.12	19.35826447	-2.604893269	3.41E-05	9.50E-05	Bmp8a
ENSMUSG000000018169.12	116.6993287	-1.173184216	3.41E-05	9.51E-05	Mfn9
ENSMUSG00000115801.1	56.76965024	-1.616125008	3.42E-05	9.54E-05	RP23-48M16.13
ENSMUSG000000091142.1	10.67306881	5.812482425	3.43E-05	9.57E-05	RP23-141L18.4
ENSMUSG000000024007.14	2169.159855	-0.894671949	3.45E-05	9.62E-05	Ppil1
ENSMUSG000000039501.14	990.2610699	-1.486922528	3.46E-05	9.63E-05	Znfx1
ENSMUSG000000083640.1	71.46946529	-1.268482658	3.46E-05	9.64E-05	RP23-286G19.4
ENSMUSG000000032128.15	34.85370924	-2.453291372	3.48E-05	9.71E-05	Robo3
ENSMUSG000000034422.14	39.99912214	-2.136256442	3.48E-05	9.71E-05	Parp14
ENSMUSG000000055216.3	14.62253035	2.728918813	3.49E-05	9.72E-05	9430025C20Rik
ENSMUSG000000027761.4	6.223122075	-6.179707013	3.49E-05	9.73E-05	Aadac
ENSMUSG000000072460.5	2738.064194	1.423970821	3.50E-05	9.75E-05	Atp5l-ps1
ENSMUSG000000073478.6	47.7561575	1.558907327	3.50E-05	9.75E-05	AC115896.3
ENSMUSG000000085603.3	41.83011531	1.686615496	3.50E-05	9.75E-05	RP23-43M4.1
ENSMUSG000000037253.8	2793.521349	-0.74804583	3.51E-05	9.76E-05	Mex3c
ENSMUSG00000103260.1	268.7357386	-1.067803899	3.51E-05	9.77E-05	RP23-292F19.4
ENSMUSG000000097032.2	24.56671332	2.126335617	3.51E-05	9.78E-05	RP24-372J15.1
ENSMUSG000000026500.6	509.1014162	0.92401866	3.51E-05	9.79E-05	Cox20
ENSMUSG000000014867.9	7767.175699	-0.443261353	3.52E-05	9.80E-05	Surf4
ENSMUSG000000034543.14	8110.491711	-1.077316713	3.53E-05	9.82E-05	Morc2a
ENSMUSG00000106492.1	12.85933947	5.152242683	3.53E-05	9.84E-05	RP23-409I5.2
ENSMUSG000000031781.14	4051.76787	-0.767111109	3.55E-05	9.88E-05	Ciapiin1
ENSMUSG00000019935.16	10.98335926	4.937534109	3.55E-05	9.88E-05	Slc17a8
ENSMUSG00000112850.1	31.27718407	-1.843622416	3.57E-05	9.92E-05	RP23-405K2.6
ENSMUSG000000034055.16	811.8940174	-1.084546323	3.58E-05	9.96E-05	Phka1
ENSMUSG00000103251.1	17.3960368	5.029330322	3.58E-05	9.96E-05	RP23-293I7.7

ENSMUSG00000030029.14	839.8158044	1.087525022	3.59E-05	9.98E-05	Lrig1
ENSMUSG00000054027.8	1149.61578	1.074713546	3.59E-05	9.98E-05	Nt5dc3
ENSMUSG00000023118.15	5903.025517	-0.760527667	3.59E-05	1.00E-04	Sympk
ENSMUSG00000029234.13	3131.642435	-0.503258064	3.60E-05	0.000100104	Tmem165
ENSMUSG00000103062.1	10.88491376	4.903862213	3.61E-05	0.000100395	RP23-380A10.5
ENSMUSG00000030134.11	30.70723371	1.931364821	3.61E-05	0.000100502	Rasgef1a
ENSMUSG00000102496.1	135.2501909	-2.441023968	3.62E-05	0.000100711	RP23-461O23.2
ENSMUSG00000111348.1	13.49657976	3.850126065	3.63E-05	0.000100798	RP24-189I2.4
ENSMUSG00000032468.11	2252.943321	0.458859623	3.63E-05	0.000100906	Armc8
ENSMUSG00000020630.9	567.4149451	-0.573698337	3.63E-05	0.000100943	Rnaseh1
ENSMUSG00000045968.7	28.06032066	2.25041151	3.64E-05	0.000101283	Teddm2
ENSMUSG00000022401.12	1023.241179	-0.973151411	3.65E-05	0.000101314	Xpnpep3
ENSMUSG00000049686.14	262.2084007	0.985897883	3.65E-05	0.000101557	Orai1
ENSMUSG00000099891.1	3396.423615	-0.928725993	3.68E-05	0.000102118	RP23-451E8.1
ENSMUSG00000111619.1	5.618480753	-6.034322577	3.68E-05	0.000102266	RP23-319C8.5
ENSMUSG00000027665.13	2936.305684	0.464381867	3.69E-05	0.000102378	Pik3ca
ENSMUSG00000028064.17	386.1166535	1.136407746	3.69E-05	0.000102378	Sema4a
ENSMUSG00000108246.1	9.304642265	6.583499401	3.70E-05	0.000102717	RP24-494L9.2
ENSMUSG00000032204.13	9.278075053	5.607640067	3.71E-05	0.000102979	Aqp9
ENSMUSG00000050295.4	31.41432898	1.775693988	3.73E-05	0.000103035	Foxc1
ENSMUSG00000022404.8	2244.684642	0.509899772	3.73E-05	0.000103678	Slc25a17
ENSMUSG00000021943.7	50.0302309	1.703635639	3.74E-05	0.000103737	Gdf10
ENSMUSG00000029596.13	139.0408401	1.639003794	3.74E-05	0.000103852	Sdsl
ENSMUSG00000001415.10	4616.678667	-0.678862529	3.74E-05	0.00010391	Smg5
ENSMUSG00000066798.3	1234.202568	0.557542658	3.75E-05	0.000104011	Zbtb6
ENSMUSG00000063129.1	34.16143893	-2.028855574	3.75E-05	0.000104023	Aldoat2
ENSMUSG00000047417.17	2021.359568	-1.00507932	3.75E-05	0.000104138	Rexo1
ENSMUSG00000046861.9	794.2758482	1.012948847	3.77E-05	0.000104603	Hectd3
ENSMUSG00000057789.13	855.0388308	-0.712325828	3.77E-05	0.000104624	Bak1
ENSMUSG00000010025.19	1668.314051	0.92446817	3.77E-05	0.000104629	Aldh3a2
ENSMUSG00000020021.4	409.2616417	-1.592434383	3.79E-05	0.000105145	Fgd6
ENSMUSG00000028862.6	943.8822061	1.379250561	3.80E-05	0.000105429	Map3k6
ENSMUSG00000110686.1	10223.92153	-0.935275071	3.81E-05	0.000105558	RP23-410B24.5
ENSMUSG00000106772.1	14.58077141	3.962271987	3.81E-05	0.000105628	RP23-157G2.1
ENSMUSG00000079108.6	5549.46445	0.654329467	3.82E-05	0.000105876	Srp54c
ENSMUSG00000029634.15	1450.274206	-0.715288945	3.82E-05	0.000105912	Rnf6
ENSMUSG00000004128.9	1079.753063	-0.555599698	3.83E-05	0.000106025	Pnrc1
ENSMUSG000000071632.10	505.0513106	1.301072544	3.83E-05	0.000106056	RP23-357J7.6
ENSMUSG00000111065.1	20.44956462	-2.535357868	3.83E-05	0.000106158	RP23-106F10.2
ENSMUSG00000075528.13	74.33648422	-1.167203812	3.84E-05	0.000106304	Aarsd1
ENSMUSG00000021749.6	13.60769713	4.639711887	3.85E-05	0.000106537	Oit1
ENSMUSG00000110862.1	11.30075364	3.581118469	3.85E-05	0.000106775	RP23-442M18.4
ENSMUSG00000046818.7	186.4677607	-0.871557518	3.85E-05	0.000106783	Ddit4l
ENSMUSG00000113354.1	5.64356992	-6.039797847	3.86E-05	0.000106841	RP24-348G4.2
ENSMUSG00000021917.16	2973.728555	1.134239325	3.86E-05	0.000106957	Spcs1
ENSMUSG00000078210.3	5.398592932	-5.978694947	3.87E-05	0.000107095	RP23-102L14.1
ENSMUSG00000085498.1	22.09127946	2.397848621	3.88E-05	0.000107466	RP23-160G19.7
ENSMUSG00000069310.4	29.06803327	-2.264986942	3.90E-05	0.000107885	Hist1h3c
ENSMUSG00000038023.12	2116.235878	-0.773001697	3.90E-05	0.000108	Atp6v0a2
ENSMUSG00000025059.16	732.3782907	-0.98197575	3.91E-05	0.000108181	Gk
ENSMUSG00000082534.1	39.12590762	-1.967616581	3.91E-05	0.000108327	RP23-89M14.1
ENSMUSG00000097398.2	8.119988838	-5.582307179	3.92E-05	0.000108376	Platr5
ENSMUSG00000093833.1	11.16061732	4.957419882	3.92E-05	0.000108451	RP23-3N5.1
ENSMUSG00000097684.1	19.18983596	2.274063537	3.92E-05	0.000108583	RP23-59P17.1
ENSMUSG00000084411.2	17.41577698	2.845743401	3.93E-05	0.00010874	RP23-255E6.2
ENSMUSG00000082861.3	1718.388821	-0.90298127	3.94E-05	0.000108951	RP23-45H23.1
ENSMUSG00000108123.1	9.809355688	6.660936782	3.94E-05	0.000109021	RP24-229C13.1
ENSMUSG00000073405.6	80.47154866	-1.270354689	3.94E-05	0.00010908	RP23-108F2.8
ENSMUSG00000041297.8	2757.598505	-1.193383102	3.95E-05	0.000109211	Cdk13
ENSMUSG00000030087.11	78.06549237	-1.152882675	3.96E-05	0.000109405	Kif15
ENSMUSG00000037260.8	732.7832922	0.983351117	3.96E-05	0.000109633	Hgsnat
ENSMUSG00000115837.1	38.645213	1.607704033	3.98E-05	0.000109941	RP24-173G12.1
ENSMUSG00000060519.11	1242.106973	-0.560336791	3.99E-05	0.000110321	Tor3a
ENSMUSG00000091183.5	227.777137	-0.894516112	3.99E-05	0.000110406	RP23-216C6.2
ENSMUSG00000034789.8	2110.994636	0.786917356	4.00E-05	0.000110565	Rab24
ENSMUSG00000033634.7	78.94706809	-1.363940443	4.01E-05	0.000110844	Cml2
ENSMUSG00000088819.1	7.278251232	6.247111932	4.01E-05	0.000110889	Gm22388
ENSMUSG00000112295.1	17.35456239	4.579769528	4.01E-05	0.000110903	RP24-255E19.4
ENSMUSG00000020235.16	2710.545704	0.459773852	4.02E-05	0.000110967	Fzr1
ENSMUSG00000096351.2	11.73485638	3.974221394	4.02E-05	0.000111061	Samd11
ENSMUSG00000102526.1	20.78286554	2.315029805	4.02E-05	0.000111075	RP24-150H14.3
ENSMUSG00000037089.10	1625.283106	0.943307187	4.02E-05	0.000111171	Slc35b2
ENSMUSG00000113293.1	5.745699644	5.895840022	4.03E-05	0.000111385	RP23-151N21.3
ENSMUSG00000115028.1	488.0997448	1.812968396	4.03E-05	0.000111415	RP24-279H4.2
ENSMUSG00000030560.17	69.50001103	-1.359293823	4.05E-05	0.000111892	Ctsc
ENSMUSG00000026468.14	5.99297303	5.964565017	4.05E-05	0.000111951	Lhx4
ENSMUSG00000067017.5	5152.06223	-0.781479577	4.06E-05	0.000111995	Gm3608
ENSMUSG00000032077.5	823.8080053	-0.892634554	4.06E-05	0.000112057	Bud13
ENSMUSG00000113070.1	24.20897527	2.394036867	4.08E-05	0.000112581	RP24-494I18.6
ENSMUSG00000029407.10	4276.089142	-0.854188337	4.10E-05	0.00011302	Uso1
ENSMUSG00000114398.1	132.3850362	-0.852151651	4.10E-05	0.00011302	RP24-446P12.1
ENSMUSG00000049115.15	16.49171787	-2.442716776	4.10E-05	0.000113257	Agtr1a
ENSMUSG00000020059.9	13.97034427	-2.724849525	4.11E-05	0.000113342	Sycp3

ENSMUSG00000052299.9	3351.607882	-1.040914989	4.11E-05	0.000113473	Ltn1
ENSMUSG00000031982.5	494.0978914	-0.797674164	4.12E-05	0.000113771	Arv1
ENSMUSG00000033396.13	1438.217696	-1.275929762	4.12E-05	0.000113771	Spg11
ENSMUSG00000082838.1	78.73854459	1.337190079	4.13E-05	0.000113966	RP23-209F17.1
ENSMUSG00000024277.14	5320.265835	0.995615501	4.13E-05	0.000113975	Mapre2
ENSMUSG00000021967.4	899.0585098	1.037238588	4.14E-05	0.000114076	Mrpl57
ENSMUSG00000063684.9	1340.360509	0.504768103	4.14E-05	0.000114234	RP23-405K7.2
ENSMUSG00000097274.2	14.89810795	3.731550454	4.16E-05	0.000114809	RP23-255F14.5
ENSMUSG000000081185.1	705.5133163	0.79090124	4.18E-05	0.000115263	AC102313.1
ENSMUSG00000113459.1	12.99407982	4.141644127	4.19E-05	0.000115523	RP24-70J8.3
ENSMUSG00000039313.14	242.8337009	-1.116929076	4.21E-05	0.000116119	RP23-407B23.1
ENSMUSG00000033910.13	23.67032173	2.29093796	4.21E-05	0.000116125	Gucy1a3
ENSMUSG00000031425.15	373.5353301	0.858022578	4.23E-05	0.000116685	Plp1
ENSMUSG00000022665.15	76.28604728	1.205938174	4.24E-05	0.000116885	Ccdc80
ENSMUSG00000045467.13	17.40949283	2.406558414	4.27E-05	0.000117592	Ttl13
ENSMUSG00000072407.4	620.7821708	-1.034290959	4.27E-05	0.000117592	RP23-184A3.2
ENSMUSG00000102206.5	34.413932	2.408061411	4.27E-05	0.000117722	Pcdha11
ENSMUSG00000027384.6	477.3771901	1.165344219	4.28E-05	0.000117877	Ndufaf5
ENSMUSG00000049482.16	1326.029411	-0.558602591	4.29E-05	0.000118088	Ctu2
ENSMUSG00000074165.10	1106.418854	0.747217732	4.32E-05	0.000118979	Zfp788
ENSMUSG00000091400.1	40.52861556	1.594896223	4.32E-05	0.000119015	RP23-304L22.4
ENSMUSG00000045302.13	2582.043798	-0.464440659	4.33E-05	0.000119189	Preb
ENSMUSG000000042520.16	6261.575693	-1.232959	4.36E-05	0.000119879	Ubap2l
ENSMUSG00000078995.10	71.55427823	-1.136451381	4.37E-05	0.000120162	Zfp456
ENSMUSG00000024927.7	642.8159941	0.715090583	4.38E-05	0.000120414	Rela
ENSMUSG00000102875.1	31.57415412	-1.93312022	4.39E-05	0.000120797	RP23-358I10.4
ENSMUSG00000113963.1	88.23722007	-2.336371556	4.39E-05	0.000120835	RP23-155L11.7
ENSMUSG00000110010.1	66.60835704	1.162678704	4.40E-05	0.000121153	RP23-28A7.7
ENSMUSG00000028410.13	14913.32588	0.45456935	4.41E-05	0.000121188	Dnaja1
ENSMUSG00000110446.1	834.5182378	0.680323654	4.41E-05	0.00012132	RP23-478A9.5
ENSMUSG000000025204.10	2891.619786	1.202743341	4.41E-05	0.000121333	Ndufb8
ENSMUSG00000019992.8	436.4001665	-0.64346542	4.42E-05	0.00012167	Mtfr2
ENSMUSG00000089993.1	7018.378046	-0.682384778	4.43E-05	0.000121787	AC163993.1
ENSMUSG00000083846.1	12.64687727	-4.021258514	4.44E-05	0.000122104	RP23-173J23.2
ENSMUSG00000109865.1	3593.399784	-0.590350149	4.45E-05	0.000122338	Hspa14
ENSMUSG00000078444.3	18.3699952	3.078697965	4.46E-05	0.000122606	RP24-219F17.3
ENSMUSG00000031617.16	1783.288781	-0.783905736	4.47E-05	0.000122787	Tmem184c
ENSMUSG000000036285.10	1324.665452	-0.49002971	4.50E-05	0.000123604	Noa1
ENSMUSG00000026725.17	12.42264956	5.112858245	4.51E-05	0.000123863	Tnn
ENSMUSG00000034656.17	707.0163858	1.343021625	4.52E-05	0.000124088	Cacna1a
ENSMUSG00000030887.4	11.24046102	3.921308967	4.52E-05	0.000124314	Pdzd9
ENSMUSG00000020088.10	5665.959922	0.67844535	4.53E-05	0.000124385	Sar1a
ENSMUSG00000051747.14	95.89986906	-1.509276639	4.54E-05	0.000124771	Ttn
ENSMUSG00000021590.7	6.076721779	5.976607587	4.56E-05	0.000125225	Spata9
ENSMUSG00000098470.1	14.3446962	-2.497927591	4.57E-05	0.000125411	C1rb
ENSMUSG00000074092.5	654.0047801	1.496399364	4.57E-05	0.000125478	AC110559.1
ENSMUSG00000090075.1	17.55650427	2.610894069	4.57E-05	0.000125478	AC149085.6
ENSMUSG00000097503.2	30.29280372	1.749865823	4.59E-05	0.000125922	RP23-280I2.1
ENSMUSG000000099170.1	7.910349434	6.367139709	4.59E-05	0.000125945	RP23-264N13.2
ENSMUSG00000083044.1	96.04313599	-1.329688741	4.59E-05	0.00012597	RP23-471O23.2
ENSMUSG00000031963.8	141.4994449	1.199111795	4.60E-05	0.000126262	Bmper
ENSMUSG00000101862.1	461.251411	-0.594774126	4.60E-05	0.000126315	RP24-87H1.12
ENSMUSG000000095113.1	10.89781205	3.853398545	4.61E-05	0.000126608	RP24-264F22.2
ENSMUSG00000044786.6	92.73071911	-1.57726581	4.64E-05	0.000127225	Zfp36
ENSMUSG00000020390.12	4790.233147	0.611337681	4.65E-05	0.00012771	Ube2b
ENSMUSG00000025870.10	545.519033	1.530975776	4.66E-05	0.000127973	Arl10
ENSMUSG00000085436.1	191.1511926	1.034047984	4.67E-05	0.000128114	Zfp335os
ENSMUSG00000108231.1	2763.456158	1.424496307	4.67E-05	0.000128135	RP23-263B18.5
ENSMUSG00000020738.16	12963.7533	-0.818853748	4.67E-05	0.000128189	Sumo2
ENSMUSG00000022948.15	485.5316541	-0.74599602	4.69E-05	0.000128485	Setd4
ENSMUSG00000028148.11	10.2944027	-5.051849579	4.69E-05	0.000128529	Them5
ENSMUSG00000071757.10	284.9428493	0.889123	4.70E-05	0.000128829	Zhx2
ENSMUSG00000105742.1	42.95770832	-2.855012304	4.71E-05	0.000129035	RP24-347B12.1
ENSMUSG00000107089.1	9.713072352	5.676573163	4.71E-05	0.000129059	RP23-352D5.1
ENSMUSG00000110027.1	5.808290579	-6.081932547	4.71E-05	0.000129059	RP24-163K4.1
ENSMUSG00000040720.15	3242.735795	-0.836426119	4.72E-05	0.000129418	RP23-242O9.1
ENSMUSG00000066613.14	1651.675669	0.594315949	4.73E-05	0.000129499	Zfp932
ENSMUSG00000086414.2	916.1183598	-0.764202456	4.76E-05	0.00013032	AC121823.2
ENSMUSG00000060131.11	9.953127417	-4.999900065	4.76E-05	0.000130389	Atp8b4
ENSMUSG00000027803.14	1274.61826	-0.722338304	4.77E-05	0.000130642	Wwtr1
ENSMUSG00000110471.1	9.750653894	-3.936300495	4.77E-05	0.00013073	RP23-212H13.6
ENSMUSG00000038650.15	1378.322443	-0.811578977	4.77E-05	0.00013073	Rnh1
ENSMUSG00000031924.4	7979.405203	-0.430037201	4.77E-05	0.000130741	Cyb5b
ENSMUSG00000055805.15	137.1073005	1.465669974	4.77E-05	0.000130741	Fmnl1
ENSMUSG000000097230.1	405.1767048	0.80623824	4.79E-05	0.000131121	Gm26853
ENSMUSG00000043948.2	6.486494366	6.080491481	4.80E-05	0.000131339	Olfir691
ENSMUSG00000030689.15	1985.042419	-0.493177228	4.82E-05	0.000131886	Ino80e
ENSMUSG00000095294.2	17.91655959	5.063435245	4.82E-05	0.00013192	RP23-152N9.3
ENSMUSG00000024899.6	32.86123582	2.053478627	4.83E-05	0.000132331	Papss2
ENSMUSG00000038481.13	616.2936741	0.966402934	4.84E-05	0.000132402	Cdk19
ENSMUSG00000021368.15	614.8046248	0.604093785	4.84E-05	0.000132407	Tbc1d7
ENSMUSG00000079084.10	394.5014652	1.28714495	4.85E-05	0.000132629	Ccdc82
ENSMUSG00000060260.13	214.9433689	0.908881708	4.85E-05	0.00013274	Pwwp2b

ENSMUSG00000023990.18	81.02148668	1.411545161	4.86E-05	0.000133003	Tfeb
ENSMUSG00000029922.15	9066.270257	0.418195486	4.87E-05	0.000133109	Mkrr1
ENSMUSG000000062761.7	3192.404078	0.619540321	4.87E-05	0.000133109	Zfp512
ENSMUSG000000026632.17	163.1748468	0.809508257	4.87E-05	0.000133182	Tatdn3
ENSMUSG000000113647.1	9.048165283	5.555110881	4.87E-05	0.000133274	RP23-97B15.4
ENSMUSG000000063458.13	11.48453403	4.991757624	4.88E-05	0.000133464	Lrmda
ENSMUSG00000029084.5	68.7991233	-1.158201252	4.90E-05	0.00013391	Cd38
ENSMUSG00000028573.18	540.5227987	0.719196559	4.91E-05	0.000134112	Fggy
ENSMUSG000000027487.11	463.0930098	-0.693671241	4.91E-05	0.000134221	Cdk5rap1
ENSMUSG00000022375.6	28.47838592	2.485407466	4.92E-05	0.000134417	Lrrc6
ENSMUSG00000042010.16	200.4411438	-0.899388171	4.92E-05	0.000134519	Acacb
ENSMUSG00000001661.5	5.7854697	5.904021998	4.93E-05	0.000134651	Hoxc6
ENSMUSG00000073367.4	8.553341568	5.476556482	4.95E-05	0.000135242	Gm10493
ENSMUSG000000041765.6	771.189011	-0.545951995	4.96E-05	0.000135482	Ubac2
ENSMUSG000000025968.16	4823.549548	-0.552213752	4.96E-05	0.000135598	Ndufs1
ENSMUSG000000081684.4	17971.99614	-0.96257397	4.98E-05	0.000135904	Rps2-ps13
ENSMUSG000000026736.1	6.498199173	6.082738188	4.98E-05	0.000135925	4930426L09Rik
ENSMUSG000000082032.1	909.0881843	0.589236715	4.98E-05	0.000136076	RP23-155J3.4
ENSMUSG000000049643.15	1042.624019	-0.528462171	4.98E-05	0.0001361	RP23-311C19.1
ENSMUSG000000011837.4	948.5665451	0.853577129	5.00E-05	0.0001365	Snappc2
ENSMUSG000000087466.3	10.77646993	4.291936284	5.00E-05	0.000136598	RP23-363K7.1
ENSMUSG000000066324.2	8977.127296	-0.758472463	5.01E-05	0.000136828	Impad1
ENSMUSG000000040414.7	604.1814636	0.601849937	5.02E-05	0.000137082	Slc25a28
ENSMUSG000000029686.15	6226.941394	-0.818381718	5.03E-05	0.000137281	Cul1
ENSMUSG000000024043.13	1200.362383	-0.979800841	5.04E-05	0.000137561	Arhgap28
ENSMUSG000000064280.14	10.03209047	5.720946088	5.04E-05	0.000137561	Ccdc146
ENSMUSG000000020562.7	22.33556611	2.358538805	5.04E-05	0.000137565	Efcab10
ENSMUSG000000033684.14	1165.003158	0.677336555	5.04E-05	0.000137587	Qsox1
ENSMUSG000000024695.15	4010.85129	-0.453330001	5.06E-05	0.00013812	Zfp91
ENSMUSG000000097403.2	31.47326946	1.806983641	5.07E-05	0.000138226	RP24-401K1.3
ENSMUSG0000000037784.14	1097.081951	-1.088120784	5.07E-05	0.000138293	Dzip1l
ENSMUSG000000041625.15	95.84567067	-1.081643998	5.07E-05	0.000138336	Ggact
ENSMUSG000000087370.3	1247.393672	1.533790309	5.10E-05	0.000139004	Tmem170b
ENSMUSG000000087687.3	470.4435436	1.566944687	5.10E-05	0.000139023	Pet100
ENSMUSG000000054312.6	1760.484027	1.321100762	5.10E-05	0.000139155	Mrps21
ENSMUSG000000115196.1	62.6336592	1.760082339	5.13E-05	0.000139943	RP23-10G6.1
ENSMUSG000000029047.13	394.2877529	-0.692647257	5.17E-05	0.000140887	Pex10
ENSMUSG000000071176.10	423.3277318	-1.337099589	5.18E-05	0.000141063	Arhgef10
ENSMUSG000000042207.17	9785.083936	-1.01312671	5.18E-05	0.000141272	Kdm5b
ENSMUSG000000045435.9	763.3467991	0.886207604	5.19E-05	0.000141533	Tmem60
ENSMUSG000000066554.6	2017.909944	-1.112024001	5.21E-05	0.000141873	AC158301.1
ENSMUSG000000055373.8	823.9639922	-0.793112197	5.22E-05	0.000142164	Fut9
ENSMUSG000000097086.1	109.9205052	-1.160073253	5.24E-05	0.000142671	RP23-193J20.5
ENSMUSG000000067879.3	5.660925458	5.871383082	5.26E-05	0.000143158	AC103620.3
ENSMUSG000000109401.1	11.22198189	4.966362843	5.26E-05	0.000143303	WI1-1755E18.1
ENSMUSG000000025007.13	3112.375317	-1.096197894	5.28E-05	0.000143801	Aldh18a1
ENSMUSG000000061897.5	1273.528651	-0.827975003	5.30E-05	0.000144256	RP23-285J17.1
ENSMUSG000000081522.1	7.800525179	-5.522462779	5.31E-05	0.000144574	RP23-383I4.4
ENSMUSG0000000033948.3	1130.242152	1.032595404	5.33E-05	0.000145014	Zswim5
ENSMUSG000000027374.12	2163.914742	-0.547307195	5.36E-05	0.000145786	Mrps5
ENSMUSG000000114842.1	19.70146406	2.217040088	5.36E-05	0.000145786	RP23-383F20.7
ENSMUSG000000098987.1	913.773484	-0.76124471	5.37E-05	0.000146101	RP23-142E18.5
ENSMUSG000000109015.1	55.7830851	1.266740282	5.38E-05	0.000146349	RP24-128P19.3
ENSMUSG000000047592.17	10.32340104	-3.686977035	5.38E-05	0.000146465	Nxpe5
ENSMUSG000000067147.7	16827.73554	-0.9067522	5.40E-05	0.000146849	Rpl7a-ps11
ENSMUSG000000045915.15	5.721777311	5.884772225	5.41E-05	0.000147205	Ccdc42
ENSMUSG000000032911.6	10.09700703	-4.433003478	5.41E-05	0.000147239	Cspg4
ENSMUSG000000099927.1	16827.40325	-0.906638444	5.42E-05	0.000147347	RP23-58N8.1
ENSMUSG000000086118.1	15.54986705	2.5444007	5.43E-05	0.000147745	RP23-188D9.1
ENSMUSG000000024622.7	1897.244437	-1.022273565	5.44E-05	0.000148007	Hmgxb3
ENSMUSG000000104432.1	11.21354274	3.035497292	5.46E-05	0.000148494	RP23-16D16.13
ENSMUSG000000049858.8	226.0883399	0.870611844	5.47E-05	0.000148663	Suox
ENSMUSG000000106692.1	6.824776896	6.137768883	5.48E-05	0.000149027	RP23-336F4.4
ENSMUSG000000037904.14	190.4233946	-1.012278317	5.48E-05	0.000149062	Ankrd9
ENSMUSG000000039616.9	30.21574467	1.970327047	5.50E-05	0.000149374	Mocos
ENSMUSG00000004066.16	426.6599899	-1.635071426	5.51E-05	0.000149834	Blvrb
ENSMUSG000000074698.10	9669.80465	-0.484143454	5.53E-05	0.000150255	Csnk2a1
ENSMUSG000000021290.6	3189.621675	1.565336404	5.54E-05	0.000150422	RP23-123N23.5
ENSMUSG000000104344.1	71.00697814	-2.727566548	5.54E-05	0.000150422	RP23-444I6.3
ENSMUSG000000065738.1	24.97753541	-2.829883697	5.54E-05	0.000150629	Gm24494
ENSMUSG000000083892.3	1048.105233	-0.59536618	5.57E-05	0.000151395	RP23-295K1.2
ENSMUSG000000081612.1	6.387964498	6.040274298	5.61E-05	0.000152361	Xlr5e-ps
ENSMUSG000000082705.1	4854.283786	-0.907536821	5.62E-05	0.000152652	AC122915.2
ENSMUSG000000024376.6	885.9792271	1.101272619	5.62E-05	0.00015273	Epb4114a
ENSMUSG0000000060600.15	696.6387371	0.824699925	5.63E-05	0.000153001	Eno3
ENSMUSG000000031904.5	3759.278267	-0.96807926	5.64E-05	0.000153133	Slc7a6
ENSMUSG000000011960.12	3752.71706	-0.587914448	5.65E-05	0.000153306	Ccnt1
ENSMUSG000000095325.2	404.61452	-0.744358855	5.69E-05	0.000154536	Zfp870
ENSMUSG000000115975.1	12.91235688	4.115976479	5.70E-05	0.000154609	RP23-140F20.5
ENSMUSG000000037896.17	1574.195356	-1.170060437	5.71E-05	0.000154965	Rcor1
ENSMUSG000000064851.1	7.427271693	6.256864889	5.72E-05	0.000155284	Gm24525
ENSMUSG000000102824.1	1748.606223	1.253499457	5.73E-05	0.000155464	RP23-411B11.2
ENSMUSG000000038717.8	5057.716696	1.529465107	5.74E-05	0.000155702	Atp5l

ENSMUSG00000074884.12	5591.463636	1.084026091	5.75E-05	0.000156095	Serf2
ENSMUSG00000020395.13	5.633372928	5.872059562	5.76E-05	0.000156241	Itk
ENSMUSG00000105526.1	5.649220651	5.868876971	5.78E-05	0.000156742	RP24-220P21.4
ENSMUSG00000066036.14	11170.11807	-1.550207109	5.80E-05	0.000157224	Ubr4
ENSMUSG000000089735.1	72.64312482	-1.261563291	5.81E-05	0.00015763	RP23-16117.2
ENSMUSG00000032437.10	9327.135684	-0.764240914	5.82E-05	0.000157896	Stt3b
ENSMUSG00000006720.16	628.8604638	-0.715025272	5.83E-05	0.000157995	Zfp184
ENSMUSG00000030556.13	560.238925	0.622729173	5.86E-05	0.000158787	Lrrc28
ENSMUSG000000116650.1	88.73214375	-1.796338569	5.86E-05	0.000158989	RP23-332L23.3
ENSMUSG00000097134.2	25.59509598	2.82526413	5.90E-05	0.000159864	RP23-9F3.1
ENSMUSG00000024677.13	13.44851198	-2.531569896	5.94E-05	0.000160906	Ms4a6b
ENSMUSG00000112614.1	845.2133711	-0.690496425	5.95E-05	0.000161179	RP23-468J15.5
ENSMUSG00000105041.1	9.231572886	6.572192786	5.95E-05	0.000161254	RP23-10F17.3
ENSMUSG00000032369.13	521.462552	-0.588879241	5.96E-05	0.000161551	Plscr1
ENSMUSG00000077711.1	17.96602959	-2.475274094	5.96E-05	0.000161551	AF357399
ENSMUSG00000027673.12	3648.395574	1.397054101	5.97E-05	0.000161708	Ndufb5
ENSMUSG00000029387.10	1911.324749	-0.681565193	5.97E-05	0.000161708	Gtf2h3
ENSMUSG00000112222.1	193.3077365	-1.313702994	5.99E-05	0.000162194	RP24-92J3.4
ENSMUSG00000037001.10	622.5400103	-0.83647928	5.99E-05	0.000162194	Zfp39
ENSMUSG00000060803.5	1008.0724	1.131887945	6.01E-05	0.000162718	Gstp1
ENSMUSG00000028133.17	234.3157166	0.829886977	6.06E-05	0.000164152	Rwdd3
ENSMUSG00000045777.14	11.71145039	4.004944262	6.06E-05	0.000164152	Ifitm10
ENSMUSG00000053617.11	740.841324	1.33288484	6.06E-05	0.000164155	Sh3pxd2a
ENSMUSG00000019942.13	3936.64097	-0.816530247	6.07E-05	0.000164213	Cdk1
ENSMUSG00000030032.12	359.2891688	0.958089977	6.09E-05	0.000164962	Wdr54
ENSMUSG00000106411.1	7.413239069	6.254626623	6.10E-05	0.000165101	RP23-342M4.6
ENSMUSG000000028223.8	1046.886931	1.099478216	6.14E-05	0.000166218	Decr1
ENSMUSG00000079484.12	24.91430995	2.171078174	6.14E-05	0.00016624	Phyhd1
ENSMUSG00000085541.1	10.08429262	4.789860821	6.16E-05	0.000166642	RP23-401G21.1
ENSMUSG00000024182.16	2207.720842	-0.68871068	6.19E-05	0.000167389	Axin1
ENSMUSG000000029600.10	446.6435025	-0.610912722	6.19E-05	0.000167406	Rita1
ENSMUSG00000055839.5	3915.993574	1.344706272	6.19E-05	0.000167419	Elob
ENSMUSG00000025724.12	4130.137157	0.891337688	6.19E-05	0.000167513	Sec11a
ENSMUSG000000096370.8	72.71393415	1.26359396	6.20E-05	0.000167673	RP24-245M20.2
ENSMUSG00000085069.2	9.778793353	5.684683512	6.20E-05	0.000167699	RP23-360O1.1
ENSMUSG00000098043.1	857.4846876	0.653639162	6.20E-05	0.000167751	RP23-50H13.5
ENSMUSG00000027439.9	1743.86724	-0.633618696	6.21E-05	0.000167756	Gzf1
ENSMUSG00000115316.1	10.06068431	5.727672976	6.21E-05	0.000167814	RP23-105B9.2
ENSMUSG00000102270.1	196.7171854	-1.652075877	6.22E-05	0.000168176	RP23-466K3.1
ENSMUSG00000017737.2	11.95577685	3.656058231	6.24E-05	0.000168585	Mmp9
ENSMUSG00000069855.9	36.80384212	2.006060034	6.24E-05	0.000168593	Slc47a2
ENSMUSG000000039220.16	3066.069469	-0.934583044	6.25E-05	0.000168907	Ppp1r10
ENSMUSG00000030220.13	16.90431975	2.962881922	6.26E-05	0.000169064	Arhgdib
ENSMUSG00000050625.4	5.51983537	-6.012557754	6.26E-05	0.000169236	Ccdc121
ENSMUSG00000112135.1	844.0233315	-0.688354904	6.27E-05	0.000169292	RP23-468J15.4
ENSMUSG00000023994.13	1396.843782	-1.200575511	6.28E-05	0.00016966	Nfya
ENSMUSG00000102937.1	5.424054499	5.813292297	6.29E-05	0.000169795	RP23-445B17.1
ENSMUSG00000044556.3	11.34157234	4.356676321	6.30E-05	0.000170033	Tex38
ENSMUSG00000041789.7	11.12719936	4.328724556	6.30E-05	0.000170214	RP23-81P21.1
ENSMUSG00000097308.1	5.687688327	5.888723814	6.31E-05	0.000170384	RP24-137M22.4
ENSMUSG00000030583.16	1241.534259	-1.400213449	6.31E-05	0.000170425	Sipa1l3
ENSMUSG000000082070.1	611.1470478	-0.709546767	6.31E-05	0.000170425	RP23-170L24.3
ENSMUSG000000094973.2	688.7955495	-0.706061774	6.33E-05	0.000170804	RP24-399H1.2
ENSMUSG00000050812.18	5369.843157	-0.934543629	6.36E-05	0.000171769	RP23-211P15.1
ENSMUSG00000109314.1	10.60798341	-5.076591697	6.37E-05	0.000171903	RP23-360N1.4
ENSMUSG00000111491.1	5.495527032	-6.00059559	6.37E-05	0.000171903	RP23-360L22.2
ENSMUSG00000071341.4	12.86019402	2.672649681	6.37E-05	0.000171931	Egr4
ENSMUSG00000082404.1	5.351497838	5.796820426	6.37E-05	0.000171931	RP23-198C2.10
ENSMUSG00000109460.1	50.60898365	2.628986454	6.38E-05	0.000172165	RP23-239H14.1
ENSMUSG000000019907.10	4138.367053	-0.437672624	6.38E-05	0.000172208	Ppp1r12a
ENSMUSG00000052040.10	1616.16431	-0.738893882	6.39E-05	0.000172372	Klf13
ENSMUSG00000113566.1	50.40642291	-1.587336918	6.42E-05	0.000172996	RP24-231B8.6
ENSMUSG00000025577.7	3604.511199	-0.819656169	6.42E-05	0.000173091	Cbx2
ENSMUSG00000029148.15	3300.092211	0.429000333	6.42E-05	0.000173121	Nrbp1
ENSMUSG00000071528.3	2096.55859	1.468166912	6.42E-05	0.000173121	Usmg5
ENSMUSG00000024644.16	3447.689055	0.723029475	6.43E-05	0.00017331	Cndp2
ENSMUSG00000022687.12	412.0363599	1.144785843	6.50E-05	0.000175172	Boc
ENSMUSG00000085828.1	9.032616765	5.559371635	6.54E-05	0.000176286	RP23-821I3.4
ENSMUSG00000074449.3	18.53695299	5.113904964	6.57E-05	0.000177166	AC152164.2
ENSMUSG00000081342.1	85.31806488	1.572523928	6.60E-05	0.000177771	RP23-304H7.1
ENSMUSG00000099655.2	16.54585837	2.923905463	6.63E-05	0.000178583	RP23-62I23.3
ENSMUSG00000098506.2	586.9048771	-0.715650704	6.66E-05	0.000179375	Phf20-ps
ENSMUSG00000071497.3	5212.456681	-0.834319675	6.68E-05	0.000180029	Nutf2-ps1
ENSMUSG00000000838.17	3899.005518	-0.780005894	6.73E-05	0.000181299	Fmr1
ENSMUSG000000054611.16	3639.845789	-0.722313166	6.73E-05	0.00018133	Kdm2a
ENSMUSG00000087352.1	15.91556805	2.842796467	6.73E-05	0.000181355	RP23-63D8.6
ENSMUSG00000010461.15	119.3637407	0.953534238	6.75E-05	0.000181838	Eya4
ENSMUSG00000035572.16	1912.458711	-0.923848342	6.81E-05	0.000183298	Dcaf10
ENSMUSG00000083438.1	24.25206241	-1.906048483	6.83E-05	0.000183793	RP23-162P18.6
ENSMUSG00000106732.1	9.340719743	5.597928556	6.84E-05	0.000184249	RP23-157G2.2
ENSMUSG00000024190.6	1388.004076	-0.604520243	6.86E-05	0.00018474	Dusp1
ENSMUSG00000091040.1	51.75154827	1.765064544	6.87E-05	0.000185005	RP23-182F9.2
ENSMUSG00000023883.13	4420.084785	-0.587918576	6.88E-05	0.000185135	Phf10

ENSMUSG00000095385.3	5.585528262	5.84932744	6.88E-05	0.000185246	RP23-453B4.1
ENSMUSG00000037916.13	4865.802771	0.86389614	6.89E-05	0.000185401	Ndufv1
ENSMUSG000000031109.16	489.6412056	0.62338976	6.91E-05	0.000185826	Enox2
ENSMUSG00000026525.9	96.9314474	1.087501302	6.91E-05	0.000185864	Opn3
ENSMUSG000000041782.14	32.54492136	-1.577132218	6.92E-05	0.000186116	Lad1
ENSMUSG00000047246.7	73.19761235	1.062061128	6.94E-05	0.000186541	Hist1h2be
ENSMUSG00000038416.15	2983.595347	0.4270372	6.94E-05	0.000186542	Cdc16
ENSMUSG00000079710.10	149.0317879	0.965850412	6.94E-05	0.000186543	RP23-464D14.6
ENSMUSG000000081118.1	34.30907888	-1.660700194	6.94E-05	0.00018666	RP23-171N20.1
ENSMUSG00000104131.5	5.903030491	5.935568139	6.95E-05	0.000186765	RP24-223L5.2
ENSMUSG00000020814.13	587.9787168	-0.735078095	6.97E-05	0.000187344	Mxra7
ENSMUSG000000098019.1	17.99581007	-2.402159943	6.97E-05	0.000187388	RP23-254F23.1
ENSMUSG00000037519.17	2597.25689	-1.129148386	7.00E-05	0.000188084	Ppfia1
ENSMUSG00000004102.10	1158.975304	0.888887457	7.00E-05	0.000188084	Klhl42
ENSMUSG00000013846.10	254.6775606	1.591020762	7.01E-05	0.000188359	St3gal1
ENSMUSG00000100599.2	79.84259899	1.604122031	7.02E-05	0.000188511	RP23-34E23.1
ENSMUSG00000018293.4	20425.24896	-0.961636651	7.02E-05	0.00018855	Pfn1
ENSMUSG00000114396.1	5.59541797	5.857922391	7.03E-05	0.000188824	RP23-132D23.3
ENSMUSG00000105290.1	5.414677509	5.810754139	7.03E-05	0.000188906	RP23-354G14.4
ENSMUSG000000010911.12	522.9636837	1.134798415	7.07E-05	0.000189841	Apip
ENSMUSG00000107181.1	12.36336616	-4.321535487	7.08E-05	0.000190006	RP23-367H8.3
ENSMUSG00000109609.1	453.2082774	-2.077627552	7.10E-05	0.000190758	RP23-397L11.5
ENSMUSG000000041144.10	166.3995685	1.514538954	7.11E-05	0.00019079	Dnah7
ENSMUSG000000085946.1	36.93174558	2.570418449	7.14E-05	0.000191766	RP23-214I20.5
ENSMUSG00000043633.6	23.73788592	1.763340532	7.14E-05	0.000191804	Fam221b
ENSMUSG000000056258.9	282.5023404	-0.830904298	7.15E-05	0.000191909	Kcnq3
ENSMUSG00000113405.1	20.39598839	2.117036537	7.15E-05	0.000191909	RP23-7C22.6
ENSMUSG000000064540.1	24.77301791	-1.864039133	7.15E-05	0.000191961	Snord42a
ENSMUSG000000051730.15	615.1488766	-0.996461625	7.16E-05	0.000192112	Mettl5
ENSMUSG00000113637.1	761.6960767	-1.141927154	7.17E-05	0.000192353	RP23-216C6.6
ENSMUSG000000007653.12	368.698464	1.952996223	7.17E-05	0.000192356	Gabrb2
ENSMUSG000000053395.15	200.5941235	-1.007491678	7.19E-05	0.000192823	Cacng8
ENSMUSG000000082134.1	155.4933888	-1.241948867	7.19E-05	0.000192941	RP23-387D16.1
ENSMUSG000000053560.4	947.7621885	-0.924136134	7.22E-05	0.000193552	Ier2
ENSMUSG000000025144.17	654.7513274	1.062909054	7.24E-05	0.000194148	Stra13
ENSMUSG000000066721.3	95.87084015	1.349360696	7.26E-05	0.000194574	Zfp575
ENSMUSG000000038398.8	1361.77654	0.578751567	7.26E-05	0.000194788	Upf3a
ENSMUSG000000066306.13	4963.016828	-1.189533313	7.28E-05	0.000195069	Numa1
ENSMUSG000000049287.5	556.2622097	0.573219523	7.28E-05	0.000195156	Iba57
ENSMUSG00000018500.2	56.24069236	-1.663505803	7.28E-05	0.000195177	Adora2b
ENSMUSG000000006411.12	30.34183809	-1.697406136	7.30E-05	0.000195643	Pvrl4
ENSMUSG00000104983.1	7.617270446	-5.487726187	7.30E-05	0.000195736	RP24-363K20.7
ENSMUSG00000044452.10	1518.679437	-1.185139409	7.32E-05	0.000196156	Zfp507
ENSMUSG000000020516.15	3749.501017	-0.794769615	7.32E-05	0.000196177	Rps6kb1
ENSMUSG000000025195.9	668.8509227	-1.08258475	7.33E-05	0.000196238	Dnmbp
ENSMUSG000000044006.8	65.69544399	1.131084821	7.32E-05	0.000196238	Cilp2
ENSMUSG00000006705.12	851.0601403	0.579815807	7.36E-05	0.000197021	Pknox1
ENSMUSG00000112020.1	5.35098512	5.790010298	7.37E-05	0.000197306	RP23-217H9.3
ENSMUSG000000048732.5	627.1584016	-1.733090692	7.41E-05	0.00019854	Klhl11
ENSMUSG00000039891.6	38.12944549	2.162576757	7.42E-05	0.000198725	Txlnb
ENSMUSG00000016257.15	2419.08125	-0.609149653	7.43E-05	0.000198833	Preliid3b
ENSMUSG000000081968.1	32.09652283	2.764461869	7.46E-05	0.000199659	Rpl23a-ps2
ENSMUSG000000048458.8	16.95597093	2.359503013	7.48E-05	0.000200135	Fam212b
ENSMUSG00000032475.15	973.4282402	0.532090024	7.49E-05	0.000200546	Nck1
ENSMUSG00000020226.9	15.48628483	-2.952229402	7.52E-05	0.00020137	Slc5a4b
ENSMUSG000000057000.12	42.26158341	-1.996143428	7.52E-05	0.00020137	Nxf3
ENSMUSG000000027720.7	350.3583356	1.504429998	7.53E-05	0.000201386	Il2
ENSMUSG00000030663.12	4984.150701	0.591186251	7.53E-05	0.000201386	AC160535.1
ENSMUSG00000018931.3	1882.483782	0.906748322	7.56E-05	0.000202276	Natd1
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ENSMUSG000000089716.7	8.985544215	-4.849530787	7.56E-05	0.000202324	AC164544.5
ENSMUSG00000000934.9	459.8609066	0.805747242	7.57E-05	0.000202392	Top1mt
ENSMUSG000000063856.7	3530.95372	1.135013957	7.57E-05	0.000202392	Gpx1
ENSMUSG00000112419.1	667.8958324	-0.776514437	7.57E-05	0.000202528	RP24-211K19.7
ENSMUSG00000040061.17	10.59597978	-3.723634102	7.58E-05	0.000202655	Plcb2
ENSMUSG00000044807.13	2773.788278	0.770868581	7.58E-05	0.000202655	Zfp354c
ENSMUSG000000031077.7	275.72942	-0.664491525	7.62E-05	0.00020358	Fadd
ENSMUSG00000112814.1	667.7294004	-0.775942822	7.62E-05	0.000203642	RP24-211K19.8
ENSMUSG00000116288.1	6.673982503	6.102436977	7.62E-05	0.000203642	RP23-192B21.7
ENSMUSG000000099496.1	5.755076634	5.898631748	7.64E-05	0.000204308	RP24-248P15.10
ENSMUSG000000048668.16	2634.506141	-0.519935384	7.66E-05	0.000204677	Rhno1
ENSMUSG00000026439.14	1766.278704	-1.010827547	7.66E-05	0.000204784	Rbbp5
ENSMUSG00000113793.1	478.057707	0.800909464	7.69E-05	0.000205475	RP24-470M12.4
ENSMUSG000000041268.17	2232.556159	1.051048042	7.69E-05	0.000205503	Dmxl2
ENSMUSG000000084384.3	2406.676329	1.350172599	7.69E-05	0.000205529	RP23-465K20.3
ENSMUSG00000034687.8	974.4152255	-1.341509665	7.71E-05	0.000206026	Fras1
ENSMUSG00000105488.1	5.090818214	-5.892171292	7.72E-05	0.000206112	Gm44396
ENSMUSG000000097063.3	9.539081858	5.647467676	7.73E-05	0.000206511	Pantr2
ENSMUSG000000023156.4	1359.901396	-0.58185186	7.75E-05	0.000206919	Rpp14
ENSMUSG00000025137.15	2805.14167	-0.573401272	7.76E-05	0.000207294	Pcyt2
ENSMUSG000000035109.14	148.9937044	1.351384117	7.78E-05	0.000207607	Shc4
ENSMUSG00000114936.1	8.072037759	5.391571366	7.78E-05	0.000207766	RP24-132N9.2
ENSMUSG00000099779.1	578.3423747	0.634731369	7.79E-05	0.000208003	RP23-230A14.1

ENSMUSG00000074444.4	10.0025505	5.700759664	7.83E-05	0.000208892	AC166039.1
ENSMUSG00000040841.5	198.0339151	-0.758217928	7.83E-05	0.000209013	Six5
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ENSMUSG00000058488.7	5.400132166	5.80145148	7.95E-05	0.000212145	Kl
ENSMUSG00000026894.4	6.756428872	6.122573994	7.95E-05	0.000212166	Morn5
ENSMUSG00000024436.16	1715.742135	-1.117937513	7.95E-05	0.000212183	Mrps18b
ENSMUSG00000063689.4	11.07853692	4.3472379	7.97E-05	0.000212498	Hist2h2ab
ENSMUSG000000105706.1	49.8999788	-2.068952719	7.97E-05	0.000212498	RP24-363D4.1
ENSMUSG00000041911.3	18.05443203	2.362833097	7.97E-05	0.000212522	Dlx1
ENSMUSG00000082768.1	5.55041384	5.841485743	7.98E-05	0.000212854	RP23-100E9.3
ENSMUSG00000081037.3	12.28784875	-3.978510313	8.00E-05	0.000213292	RP23-353B17.1
ENSMUSG00000060639.5	86.24213189	1.502189177	8.01E-05	0.000213505	Hist1h4i
ENSMUSG00000045411.16	3796.606863	0.469595388	8.02E-05	0.000213854	AC152939.2
ENSMUSG00000057506.4	1277.278781	1.376489631	8.05E-05	0.000214484	Bloc1s2
ENSMUSG00000026135.17	1259.587464	-1.419327934	8.05E-05	0.000214571	Zfp142
ENSMUSG00000047423.9	818.4897308	0.607612118	8.07E-05	0.000215017	RP23-140G16.1
ENSMUSG00000037234.17	2128.886014	0.907156978	8.10E-05	0.000215702	Hook3
ENSMUSG00000115783.1	4032.847292	3.324791677	8.11E-05	0.000216202	Bc1
ENSMUSG00000027339.15	964.212046	-0.877792579	8.15E-05	0.000216997	Rassf2
ENSMUSG00000043687.15	26.80564733	2.651467434	8.17E-05	0.000217649	AC103360.3
ENSMUSG00000022601.11	1300.011385	-0.772446436	8.18E-05	0.000217866	Zbtb11
ENSMUSG00000039155.15	5.278428459	5.773210885	8.20E-05	0.000218302	Cdh26
ENSMUSG00000113529.1	39.59312017	1.867632872	8.23E-05	0.000219079	RP23-46D6.7
ENSMUSG00000001583.13	12.26529511	-3.21970081	8.30E-05	0.000220873	Tnk1
ENSMUSG00000007888.15	49.99316336	-1.267760505	8.31E-05	0.000221174	Crif1
ENSMUSG00000028661.8	346.1351931	-1.291273221	8.35E-05	0.000222282	Epha8
ENSMUSG00000020994.5	7342.589921	-0.804012093	8.36E-05	0.000222468	Pnn
ENSMUSG00000085401.2	346.8957484	-0.804954685	8.36E-05	0.000222557	Slc39a1-ps
ENSMUSG00000070697.4	2971.546423	-0.630812114	8.36E-05	0.000222621	Utp3
ENSMUSG00000108689.1	6.005730972	-6.134576579	8.38E-05	0.00022307	RP24-333B11.5
ENSMUSG00000081884.1	113.417092	-1.511909766	8.39E-05	0.000223247	RP23-322G9.2
ENSMUSG00000020491.15	687.3339973	0.992171655	8.40E-05	0.00022361	RP23-419P16.9
ENSMUSG00000113710.1	10.89640105	3.545248003	8.41E-05	0.000223614	RP23-153J5.2
ENSMUSG00000079941.1	3218.829918	1.374853061	8.43E-05	0.000224184	RP23-298F22.4
ENSMUSG00000097817.2	16.16015871	2.893233164	8.44E-05	0.000224373	RP23-56C20.4
ENSMUSG00000063200.4	3119.56577	-0.679287091	8.46E-05	0.000224958	Nol1
ENSMUSG00000094475.7	871.4983044	-0.610949027	8.50E-05	0.000226043	RP23-294G7.1
ENSMUSG00000061533.16	417.1987385	-1.092980161	8.53E-05	0.000226741	Cep128
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ENSMUSG00000108311.1	7.883816993	5.354956549	8.67E-05	0.000230525	RP23-32A8.8
ENSMUSG00000039191.12	2345.531712	-0.63424079	8.70E-05	0.000231356	Rbpj
ENSMUSG00000111343.1	10.44072338	3.782657583	8.72E-05	0.000231824	RP23-180C14.3
ENSMUSG00000055413.12	21.00857843	-2.07067977	8.72E-05	0.000231831	H2-Q5
ENSMUSG00000025647.16	760.5881558	0.548653794	8.73E-05	0.000231843	Shisa5
ENSMUSG00000074211.4	516.8618303	1.110109656	8.76E-05	0.000232682	Sdhaf1
ENSMUSG00000028911.16	2964.827273	-0.708539272	8.76E-05	0.000232796	Srsf4
ENSMUSG00000085134.1	27.78744849	-1.819921429	8.77E-05	0.000232961	RP23-344E9.3
ENSMUSG00000087150.7	49.83565031	1.580827136	8.79E-05	0.000233393	RP23-205D10.4
ENSMUSG00000107165.1	15.68981367	-2.660880661	8.79E-05	0.000233453	RP24-245O20.1
ENSMUSG00000108883.1	11.51876906	3.584764516	8.79E-05	0.000233471	RP23-78N8.4
ENSMUSG00000038296.14	52.43378585	1.386658685	8.80E-05	0.000233766	Gaint18
ENSMUSG00000024516.12	1149.506649	0.963076915	8.83E-05	0.000234436	Sec11c
ENSMUSG00000106391.1	16.2001552	2.386684486	8.83E-05	0.000234442	RP23-325M7.4
ENSMUSG00000030738.11	19004.43584	-0.394403548	8.84E-05	0.000234673	Eif3c
ENSMUSG00000025064.14	15.52070698	3.579279861	8.84E-05	0.000234757	Col17a1
ENSMUSG00000100009.6	10.84926272	-3.720048344	8.87E-05	0.000235267	RP24-62C22.1
ENSMUSG00000038115.16	9.475359868	4.102437548	8.87E-05	0.000235384	Ano2
ENSMUSG00000094932.7	872.293994	-0.608779574	8.88E-05	0.000235612	RP23-355G16.9
ENSMUSG00000102644.5	389.4023284	-0.623847238	8.91E-05	0.000236276	Thap6
ENSMUSG00000044022.5	72.405935	2.361368773	8.91E-05	0.000236346	Pcdhb21
ENSMUSG00000046020.13	1819.577337	-1.108063588	8.95E-05	0.000237346	Pofut1
ENSMUSG00000048636.7	100.020879	-0.957471224	8.95E-05	0.00023742	RP24-193H8.2
ENSMUSG00000046168.9	32.5627192	2.427432704	8.97E-05	0.000237837	Kcnrg
ENSMUSG00000046743.6	515.1667653	1.913150621	8.97E-05	0.000237909	Fat4
ENSMUSG00000030386.18	1361.509382	0.879592857	8.99E-05	0.000238272	Zfp606
ENSMUSG00000050505.7	266.6972963	-0.950483988	8.99E-05	0.00023843	Pcdh20
ENSMUSG00000052214.9	1837.065029	0.614964489	8.99E-05	0.000238436	Opa3
ENSMUSG00000021244.15	4128.242943	-0.667395798	9.00E-05	0.000238638	Ylpm1
ENSMUSG00000110795.1	5.153884217	5.737464553	9.01E-05	0.00023887	CAAA01216754.2
ENSMUSG00000105076.1	8.364608083	5.438984672	9.01E-05	0.000238902	RP24-324L19.4
ENSMUSG00000070471.3	8.937889441	5.552573775	9.02E-05	0.000238907	Erich6
ENSMUSG00000114040.1	15.80591279	3.829794475	9.05E-05	0.000239763	RP23-45K23.5
ENSMUSG00000113508.1	95.40019824	-1.351604731	9.05E-05	0.000239784	RP23-147I5.1
ENSMUSG00000030417.15	1384.868934	1.451206934	9.06E-05	0.000240047	Pdcd5
ENSMUSG00000091623.1	48.05732841	-1.690391077	9.07E-05	0.000240185	RP23-57P23.2
ENSMUSG00000086109.2	5.363715364	5.805578874	9.08E-05	0.000240407	RP23-256D19.2
ENSMUSG0000006369.14	2125.811207	-0.49631263	9.09E-05	0.000240846	Fbln1
ENSMUSG00000116908.1	44.8944866	-1.805209226	9.10E-05	0.000240974	RP24-340J3.3
ENSMUSG00000030766.15	976.724084	-0.901459847	9.11E-05	0.000241293	Arhgap17
ENSMUSG00000040651.9	1658.927977	-1.155015729	9.13E-05	0.00024184	Fam208a

ENSMUSG00000035383.7	8.00398894	5.379393713	9.15E-05	0.000242128	Pmch
ENSMUSG00000066571.13	1744.175384	-1.281800793	9.16E-05	0.000242597	RP23-349I9.6
ENSMUSG00000029334.14	139.4237675	-0.965308155	9.18E-05	0.000242924	Prkg2
ENSMUSG00000050856.16	2255.435808	1.599971973	9.20E-05	0.000243576	Atp5k
ENSMUSG000000064871.1	32.88870501	-1.807372969	9.23E-05	0.000244331	Snord58b
ENSMUSG00000081669.1	1214.114106	-1.067851358	9.24E-05	0.000244574	Npm3-ps1
ENSMUSG00000029916.11	584.9142602	-0.65843076	9.24E-05	0.000244593	Agk
ENSMUSG00000018428.15	4603.331507	-0.804001092	9.26E-05	0.00024498	Akap1
ENSMUSG00000015452.14	40.53747844	1.573517301	9.29E-05	0.000245626	Ager
ENSMUSG00000039556.16	34.19785612	1.715701559	9.30E-05	0.000246064	Ppp1r3f
ENSMUSG00000106419.1	40.33489748	-1.557673975	9.31E-05	0.000246173	RP23-287M3.1
ENSMUSG00000116704.1	2614.103681	-0.840774487	9.32E-05	0.000246402	RP23-430N15.7
ENSMUSG00000114321.1	2503.095931	1.275252844	9.32E-05	0.000246455	RP23-204N13.5
ENSMUSG00000097762.1	7.562103283	-5.478678768	9.40E-05	0.000248443	RP24-185O19.9
ENSMUSG00000096983.1	42.82998712	1.54696079	9.42E-05	0.000249078	2010015M23Rik
ENSMUSG0000002080.3	7.73727449	-5.507350114	9.43E-05	0.000249316	AC137152.1
ENSMUSG00000038957.13	2181.019156	-0.46911957	9.44E-05	0.000249424	Edc3
ENSMUSG00000042111.9	1363.479469	0.864210437	9.52E-05	0.000251695	Ccdc115
ENSMUSG00000063628.2	97.36103262	1.603108065	9.53E-05	0.000251914	RP23-314H11.1
ENSMUSG00000020832.14	1181.118215	-0.464381311	9.55E-05	0.00025226	Eral1
ENSMUSG00000107709.1	13.11552079	-2.965101546	9.55E-05	0.000252421	RP23-20L3.2
ENSMUSG00000026999.14	1514.538973	-0.835494369	9.56E-05	0.000252451	Nup35
ENSMUSG00000019826.11	519.8742352	0.676907868	9.56E-05	0.00025253	Zbtb24
ENSMUSG00000017969.13	525.5520425	-1.096135562	9.59E-05	0.000253439	Ptgis
ENSMUSG00000026602.9	10.10841302	-3.367531738	9.63E-05	0.000254277	Nphs2
ENSMUSG00000082418.1	113.268697	-0.902535269	9.63E-05	0.000254452	RP23-167A12.3
ENSMUSG00000015092.9	2896.508443	1.235118376	9.65E-05	0.000254804	Edf1
ENSMUSG00000035367.9	1069.707942	-0.722217508	9.68E-05	0.0002555	Rmi1
ENSMUSG00000039632.13	79.23732776	1.09304632	9.68E-05	0.00025555	Ccdc151
ENSMUSG00000107414.1	12.58978441	7.023869594	9.68E-05	0.00025555	RP24-229C13.3
ENSMUSG00000114254.1	396.715718	1.362818776	9.73E-05	0.000256806	RP23-88A13.5
ENSMUSG00000026159.13	3953.204996	-0.872336317	9.75E-05	0.000257223	Agfg1
ENSMUSG00000024781.15	1154.272054	-0.671699152	9.75E-05	0.000257447	Lipa
ENSMUSG00000112545.1	18.0004407	2.765328872	9.77E-05	0.000257701	RP24-98A23.5
ENSMUSG00000006673.14	4151.898865	-0.725350045	9.77E-05	0.000257756	Qrich1
ENSMUSG00000024505.15	342.066242	-0.70837976	9.79E-05	0.00025824	Dtwd2
ENSMUSG00000040586.8	2064.393726	0.499895918	9.79E-05	0.000258272	Ofd1
ENSMUSG000000060314.13	919.821064	0.71755286	9.79E-05	0.000258272	Zfp941
ENSMUSG00000105981.1	10.27877503	3.793202513	9.80E-05	0.000258455	RP24-372J15.5
ENSMUSG00000028797.20	3760.824471	0.737616472	9.80E-05	0.000258542	Tmem234
ENSMUSG00000112060.1	5.486721451	5.821882185	9.82E-05	0.000258902	RP23-245C15.4
ENSMUSG000000028869.13	4252.125256	-0.67962667	9.82E-05	0.000259044	Gnl2
ENSMUSG00000064542.1	8.340467625	-4.684083395	9.83E-05	0.000259059	Gm22980
ENSMUSG00000112550.1	2345.484291	-0.679458124	9.85E-05	0.000259758	RP23-440I21.3
ENSMUSG000000066149.11	1894.361916	0.675308207	9.86E-05	0.000259861	Cdc26
ENSMUSG00000057058.16	15.84342858	4.394313005	9.86E-05	0.000259992	Skap1
ENSMUSG00000097049.1	5.055590125	5.714141021	9.88E-05	0.000260455	6530411M01Rik
ENSMUSG00000097209.2	5.055590125	5.714141021	9.88E-05	0.000260455	RP23-64J7.5
ENSMUSG00000078869.2	139.7963729	-1.578674214	9.91E-05	0.00026104	RP23-67E6.1
ENSMUSG00000021340.13	22.39727145	2.428277628	9.92E-05	0.000261429	Gpld1
ENSMUSG00000111759.1	447.4614776	-0.579168288	9.93E-05	0.000261667	RP23-463P4.2
ENSMUSG00000082051.1	61.71566792	-1.203483182	9.95E-05	0.000262237	AC102248.2
ENSMUSG00000111511.1	10.74171403	4.286722707	9.97E-05	0.000262518	RP24-362F17.3
ENSMUSG00000082588.1	225.6037632	-1.591664877	9.97E-05	0.000262702	AC115860.1
ENSMUSG00000000555.8	844.5296927	-0.779551901	9.99E-05	0.000263228	Itga5
ENSMUSG000000024112.16	1011.384673	1.664997248	1.00E-04	0.000263238	Cacna1h
ENSMUSG000000020474.11	494.686707	-0.979628202	0.00010036	0.000264259	Polm
ENSMUSG00000023008.18	792.0845682	-0.659759333	0.000100496	0.000264591	Fmnl3
ENSMUSG00000115536.1	66.0652701	-1.271858768	0.000100731	0.000265182	RP23-455F6.7
ENSMUSG000000034616.16	171.593799	1.904598438	0.00010076	0.000265233	Ssh3
ENSMUSG00000013076.17	1897.784587	0.471484195	0.000100778	0.000265256	Amotl1
ENSMUSG00000029263.15	573.4590108	-1.237213514	0.000100896	0.000265541	Pigg
ENSMUSG00000032417.10	190.4080583	1.044617949	0.00010099	0.000265763	Rwdd2a
ENSMUSG00000070883.3	162.1742127	1.262330571	0.000101008	0.000265783	Ccdc173
ENSMUSG00000032875.8	1143.230555	-1.342959327	0.000101699	0.000267575	Arhgef17
ENSMUSG00000022023.6	800.6712535	0.791915041	0.000101763	0.000267719	Wbp4
ENSMUSG00000041616.9	10.58514007	4.849440137	0.000101901	0.000268055	Nppa
ENSMUSG000000040829.14	17.97130715	2.556235609	0.000101916	0.000268068	Zmynd15
ENSMUSG00000000581.8	5051.193219	1.034926859	0.000101961	0.000268163	C1d
ENSMUSG00000113712.1	5.963964034	-6.125509102	0.000102198	0.000268758	RP24-246B16.2
ENSMUSG000000033214.10	779.6812799	0.559617127	0.000102645	0.000269909	Slitrk5
ENSMUSG00000084830.2	4596.794826	1.409657569	0.000103219	0.000271392	RP23-333P16.4
ENSMUSG00000039221.10	3533.461328	-1.1596475	0.000103271	0.000271503	Rpl221
ENSMUSG00000027933.11	3551.696371	-0.552162837	0.000103706	0.000272619	Ints3
ENSMUSG00000114709.1	7.745752844	5.333707601	0.000103889	0.000273075	RP24-573N21.4
ENSMUSG00000034430.16	732.4664325	0.789055581	0.000103925	0.000273116	Zxdc
ENSMUSG00000066042.4	502.0305471	-0.589500797	0.000103916	0.000273116	Med18
ENSMUSG000000029752.12	6402.914404	0.555580126	0.000104336	0.000274169	Asns
ENSMUSG000000059602.14	53.98061671	2.665278368	0.000104393	0.000274294	Syn3
ENSMUSG00000023791.16	1400.490884	1.130280635	0.000104582	0.000274765	Pigx
ENSMUSG00000105594.1	14.87081838	3.088966727	0.000105595	0.000277399	RP23-372N19.2
ENSMUSG00000082536.1	90714.69743	-0.621094279	0.000105705	0.00027766	RP23-151M8.1
ENSMUSG00000036751.7	7800.980608	1.395809041	0.00010599	0.000278381	Cox6b1

ENSMUSG00000085584.3	25.16665701	3.311561805	0.000106004	0.000278391	Rgag1
ENSMUSG00000029063.16	2768.445029	-0.721090145	0.000106209	0.000278903	Nadk
ENSMUSG00000003604.14	398.7814071	-0.756914646	0.000106639	0.000280005	Aven
ENSMUSG000000073027.10	4.842418659	-5.823379803	0.000106669	0.000280058	Dmrtc1b
ENSMUSG00000005105.5	46.68643873	1.446528837	0.000106708	0.000280132	Grrp1
ENSMUSG00000063358.17	9985.840274	-0.508662618	0.000106989	0.000280844	Mapk1
ENSMUSG00000061702.10	39.1691174	-1.84826228	0.000107209	0.000281393	Tmem91
ENSMUSG00000025193.14	176.2794537	0.840515357	0.000107388	0.000281837	Cutc
ENSMUSG000000040174.14	218.6307639	0.780934329	0.000107598	0.000282334	Alkbh3
ENSMUSG00000096999.1	64.86655833	1.737850464	0.000107598	0.000282334	RP23-294B14.3
ENSMUSG00000028403.15	2162.688954	-1.166301124	0.000107675	0.000282507	Zdhhc21
ENSMUSG00000026227.11	84.29763819	0.932917375	0.000107902	0.000283078	AC102506.1
ENSMUSG00000002748.7	6945.42747	-0.819499287	0.000108016	0.000283348	Baz1b
ENSMUSG00000032855.6	1052.119894	1.253236811	0.000108059	0.000283434	Pkd1
ENSMUSG00000015766.14	455.5583514	-1.147639769	0.000108146	0.000283635	Eps8
ENSMUSG00000036282.15	2714.744166	-0.512125069	0.000108174	0.000283681	Naa30
ENSMUSG00000039899.5	63.40421517	-1.116242894	0.000108268	0.0002839	Fgl2
ENSMUSG00000097422.1	14.75003376	2.91424205	0.000108482	0.000284434	Gm26521
ENSMUSG00000024507.6	2584.543153	0.457423118	0.000108527	0.000284523	Hsd17b4
ENSMUSG00000038387.9	235.2970742	-0.962107513	0.000108651	0.000284821	Rras
ENSMUSG00000048949.8	2329.099695	-0.747859157	0.000108755	0.000285069	RP23-181M13.5
ENSMUSG00000038206.13	668.8130863	-0.573156183	0.000109068	0.000285861	Fbxo8
ENSMUSG00000056069.10	167.1112869	0.820708915	0.000109206	0.000286194	Fam105a
ENSMUSG000000509187.12	10.79033784	4.908816689	0.000109378	0.000286618	Fam19a1
ENSMUSG00000091957.3	20785.01652	-0.929748389	0.000109446	0.000286769	Rps2-ps10
ENSMUSG00000002833.11	4388.163023	-0.411339916	0.000109568	0.000287043	Hdgfrp2
ENSMUSG000000044994.12	339.7811869	0.671787419	0.000109572	0.000287043	Ccdc130
ENSMUSG00000042737.9	572.5158177	1.434793895	0.000109809	0.000287636	Dpm3
ENSMUSG00000108435.1	29.49527118	1.804301949	0.000109869	0.000287766	RP23-60P18.10
ENSMUSG00000107195.1	6.726718579	6.134468462	0.000110479	0.000289337	RP23-477N9.6
ENSMUSG00000112515.1	1424.485923	-0.669425681	0.000110493	0.000289345	RP23-139H6.1
ENSMUSG00000025702.15	3155.301657	1.123202628	0.000110916	0.000290424	08. Mrz
ENSMUSG00000072109.11	5.335795202	-5.957754237	0.000111084	0.000290835	AC167036.4
ENSMUSG00000107571.1	5.301325355	5.772889601	0.000111476	0.000291835	RP23-411N5.3
ENSMUSG000000060733.13	1897.966899	-0.762531814	0.000112081	0.00029339	lpmk
ENSMUSG00000072934.10	10.18788852	-3.38415491	0.000112156	0.000293559	Trpc5os
ENSMUSG00000036938.17	5.686150171	5.873026552	0.00011221	0.000293656	Try5
ENSMUSG00000097806.3	22.48579233	2.205053712	0.000112215	0.000293656	RP23-59P17.2
ENSMUSG00000022033.9	1022.347709	-0.867529408	0.000112519	0.000294423	Pbk
ENSMUSG00000028644.16	10.1974346	4.204949774	0.000112582	0.000294561	Ermap
ENSMUSG00000103133.1	63.67779848	-1.27874937	0.000112857	0.00029525	RP24-282D16.9
ENSMUSG00000113690.1	259.3634902	0.873415935	0.000113086	0.000295822	RP23-403O8.1
ENSMUSG00000104253.1	32.17890524	1.833629389	0.000113309	0.000296378	RP24-98O21.4
ENSMUSG00000104503.1	17.39061884	-2.892505892	0.000113812	0.000297663	RP23-447L15.3
ENSMUSG00000057596.13	4.749542934	-5.791472987	0.000113932	0.00029795	Trim30d
ENSMUSG000000031565.18	4254.813579	-1.097278946	0.000114242	0.000298732	Fgfr1
ENSMUSG00000030105.8	5734.648398	0.409469695	0.000114331	0.000298907	Arl8b
ENSMUSG00000113679.1	5.114114161	5.728663239	0.000114325	0.000298907	RP24-159L15.3
ENSMUSG00000004095.4	131.0118407	-0.903774427	0.000114442	0.000299168	Chrm4
ENSMUSG00000040936.15	193.3783081	-0.747335298	0.000114676	0.000299752	Ulk4
ENSMUSG00000081453.1	16285.69552	-0.604691476	0.000114913	0.000300342	RP24-201L14.1
ENSMUSG00000110790.1	9.216135381	4.671225261	0.000115101	0.000300803	RP23-110E20.5
ENSMUSG000000014294.4	3266.892037	1.732588645	0.000115193	0.000301017	Ndufa2
ENSMUSG00000026100.6	5.652573905	5.879822945	0.000115211	0.000301033	Mstn
ENSMUSG00000107263.1	4.744554105	-5.790244452	0.000115317	0.000301282	RP23-265119.2
ENSMUSG00000084904.1	121.4186735	1.441220185	0.000115684	0.000302212	RP23-272D10.4
ENSMUSG000000028718.16	675.4103335	-1.198515147	0.000115797	0.000302479	Stil
ENSMUSG00000023186.14	520.4230062	-0.867632416	0.000116103	0.000303249	Vwa5a
ENSMUSG00000065979.12	303.0616128	0.744269687	0.000116124	0.000303274	Cpped1
ENSMUSG000000028514.15	3640.534306	-1.43951491	0.000116857	0.000305158	Usp24
ENSMUSG00000024855.9	1511.368846	1.17589208	0.000116896	0.000305232	Pacs1
ENSMUSG00000026127.13	3166.180433	-0.593951249	0.000117021	0.00030553	Imp4
ENSMUSG00000040822.7	1083.687551	0.642948698	0.000117171	0.000305891	RP23-94B13.9
ENSMUSG000000099979.1	92.23950833	-2.231125021	0.000117621	0.000307038	RP23-472J11.2
ENSMUSG00000083669.5	6395.726457	-1.060410476	0.000117811	0.000307503	AC149283.3
ENSMUSG00000046785.8	2915.746436	1.180427125	0.000118032	0.000308051	Epm2aip1
ENSMUSG00000047515.8	72.57684009	1.560844331	0.000118559	0.000309396	RP23-296J10.4
ENSMUSG000000030782.16	138.1912027	0.871984583	0.000119027	0.000310587	Tgfb1i1
ENSMUSG00000064373.12	1008.86121	-0.644243391	0.000119379	0.000311477	Sepp1
ENSMUSG00000077345.1	4.756243046	-5.793231696	0.000119416	0.000311543	Snord70
ENSMUSG00000030303.15	14.95422817	2.234983847	0.000119481	0.000311682	Far2
ENSMUSG00000046096.7	1851.119525	-0.8816856	0.000119519	0.000311751	RP23-17C12.7
ENSMUSG00000052144.8	9396.717674	-0.507883713	0.000119997	0.000312969	Ppp4r2
ENSMUSG00000029918.9	1549.133836	1.225921529	0.000120164	0.000313374	Mrps33
ENSMUSG000000084781.1	4.893603643	5.667841037	0.000120212	0.000313469	RP23-316M14.9
ENSMUSG00000000686.11	120.6202687	1.512786978	0.000120365	0.000313837	Abhd15
ENSMUSG00000029032.12	56.4102935	-1.39481201	0.000120695	0.000314669	Arhgef16
ENSMUSG000000094443.2	17.60918894	-2.276406516	0.000120819	0.000314961	Sgol2b
ENSMUSG00000110212.1	8.904389162	-4.81137082	0.000120847	0.000315006	RP24-160I20.5
ENSMUSG00000022683.13	6.761732851	-5.312046621	0.000120953	0.000315252	Pla2g10
ENSMUSG00000102254.1	52.58135752	-1.343114474	0.00012108	0.000315551	RP24-75E15.4
ENSMUSG00000109576.1	25.84376703	2.518657419	0.00012122	0.000315886	RP23-416P14.1
ENSMUSG00000034908.16	2338.053177	0.83473054	0.000121345	0.000316183	Sid2

ENSMUSG00000111662.1	72.07013949	-1.400808802	0.000121458	0.000316447	RP23-158E1.3
ENSMUSG00000029352.14	24.70254738	2.221686398	0.000122064	0.000317965	Crybb3
ENSMUSG000000097381.2	11.07236616	3.530500661	0.000122061	0.000317965	RP23-447P16.3
ENSMUSG00000100017.2	48.46093774	1.958691418	0.000122123	0.000318105	RP23-170I24.2
ENSMUSG00000100396.1	7.365055079	5.253860774	0.000122218	0.000318304	RP23-423G13.11
ENSMUSG00000036948.17	1339.149179	0.68265652	0.000122342	0.000318597	AC159257.5
ENSMUSG00000108860.1	533.3417268	-0.799643028	0.000122538	0.000319078	RP24-74L7.6
ENSMUSG00000087513.1	11.50461091	3.615593331	0.000122696	0.000319456	RP23-395N7.3
ENSMUSG00000108367.2	10.99356081	3.015683424	0.000122813	0.000319731	RP24-158L15.3
ENSMUSG00000112781.1	561.5448372	-0.669719571	0.000122862	0.000319828	RP24-211K19.5
ENSMUSG00000037216.5	203.6589798	-0.928990867	0.000123479	0.000321404	Lipt1
ENSMUSG00000045625.5	5.314568318	5.79362207	0.000123648	0.000321814	Pigz
ENSMUSG00000034391.11	34.93303062	-2.474389226	0.00012373	0.000321996	Fbxo15
ENSMUSG00000114436.1	7.412387026	5.267549293	0.000123752	0.000322022	RP24-80P9.3
ENSMUSG00000018733.10	888.2216958	-0.650145318	0.000123907	0.000322395	Pex12
ENSMUSG00000000881.12	1843.258326	0.55701836	0.00012399	0.000322549	Dlg3
ENSMUSG00000101502.1	5844.713369	-0.912012374	0.00012398	0.000322549	Rpl7a-ps10
ENSMUSG00000098157.1	29.55966572	-1.649180836	0.00012402	0.000322596	RP23-30H7.1
ENSMUSG00000018849.6	3086.564074	-0.822141827	0.000124783	0.00032455	Wwc1
ENSMUSG00000025316.16	875.9055565	-0.536934818	0.000124946	0.000324942	Banp
ENSMUSG00000086034.1	7.86271933	5.349994389	0.000125002	0.000325058	RP23-436I3.5
ENSMUSG00000102494.1	5.338767594	5.78205176	0.00012509	0.000325255	RP23-416H10.8
ENSMUSG000000034151.13	10.24357596	3.411234965	0.000125172	0.000325436	Zbbx
ENSMUSG00000042364.11	1447.189279	-0.704873008	0.000125404	0.00032601	Snx18
ENSMUSG00000025589.6	1651.739758	-0.629650968	0.000126295	0.000328258	Cwf19I2
ENSMUSG00000037991.9	360.1972023	-0.765355799	0.000126305	0.000328258	Rmi2
ENSMUSG00000107428.1	15.00516366	2.472625601	0.000126295	0.000328258	RP24-171J16.3
ENSMUSG00000115451.1	5.292973803	5.782427657	0.000126461	0.000328632	RP24-260F19.3
ENSMUSG00000062248.5	1352.312757	-1.031532551	0.000126675	0.000329156	Cks2
ENSMUSG00000058831.13	5.547573304	5.836862737	0.00012693	0.000329789	Opn1sw
ENSMUSG00000002269.17	4082.638404	0.629592692	0.000127021	0.000329994	Kif21a
ENSMUSG00000042333.16	11.11960069	3.557561967	0.000127442	0.000331055	Tnfrsf14
ENSMUSG00000003469.9	40.31092419	-1.656865669	0.000127494	0.000331158	Phyhip
ENSMUSG00000028423.15	4695.350209	-0.578925694	0.000128283	0.000333176	Nfx1
ENSMUSG00000096265.2	14.92657667	4.792252157	0.000128374	0.00033338	RP24-366L10.2
ENSMUSG00000028266.17	1500.364997	0.992670232	0.000128405	0.000333429	Lmo4
ENSMUSG00000040721.9	986.1574153	-0.843450452	0.000128551	0.000333765	Zfx2
ENSMUSG00000108778.1	5.327062787	5.77925126	0.000128559	0.000333765	RP24-136L4.5
ENSMUSG00000028028.11	80.15937205	1.481742236	0.000128873	0.000334549	Alpk1
ENSMUSG00000030659.14	740.9032874	0.621591291	0.000128935	0.000334678	Nucb2
ENSMUSG00000114426.1	14.99613239	-2.769293494	0.000129039	0.000334917	RP24-358L4.4
ENSMUSG00000100199.1	39.10275133	1.521079353	0.000129276	0.0003355	RP23-223M20.2
ENSMUSG00000017607.9	12.15787097	3.139943487	0.000129303	0.000335537	Tns4
ENSMUSG00000002228.7	33.03893694	1.588038421	0.000129583	0.000336232	Ppm1j
ENSMUSG00000049791.4	469.7006165	-1.020790492	0.000129607	0.000336264	Fzd4
ENSMUSG00000038013.14	1598.550137	-0.636086743	0.000129679	0.000336418	Wipf2
ENSMUSG00000020027.18	2076.721951	0.547959545	0.000130057	0.000337367	Socs2
ENSMUSG00000025571.13	6569.72366	0.510652022	0.000130128	0.000337518	Tnrc6c
ENSMUSG00000040374.13	1545.198665	0.725110464	0.000130655	0.000338852	Pex2
ENSMUSG00000081369.1	9.765204317	-3.259630854	0.000130976	0.000339653	RP23-273K21.1
ENSMUSG00000073411.11	742.2351351	-0.601390795	0.000130993	0.000339665	H2-D1
ENSMUSG00000082542.2	62.15285851	-1.261051833	0.000131492	0.000340927	RP23-446D4.3
ENSMUSG000000083704.1	6.745005508	-5.309126952	0.000131737	0.000341528	RP24-93B5.5
ENSMUSG00000036087.18	2082.348434	-0.772486259	0.000132215	0.000342734	Slain2
ENSMUSG00000106361.1	9.80892054	-3.310617033	0.000132633	0.000343786	RP24-277E17.1
ENSMUSG00000055912.8	224.5332981	-0.79042883	0.000132733	0.000344013	Tmem150a
ENSMUSG000000068466.5	1538.615638	-0.808890564	0.000132776	0.000344092	Gm5518
ENSMUSG00000106047.1	5.744674207	5.887195893	0.000132799	0.000344117	RP23-354G14.2
ENSMUSG00000033805.12	30.45908198	1.714364724	0.000133144	0.000344979	Ephx4
ENSMUSG00000060808.4	17.8392594	2.344045233	0.000133348	0.000345473	B9d1os
ENSMUSG00000046449.15	1244.700986	0.730141083	0.000133463	0.000345741	RP23-35L3.1
ENSMUSG00000058952.12	11.39960443	3.590583018	0.000133548	0.000345927	Cfi
ENSMUSG00000027365.14	3619.37098	-1.288002901	0.000133603	0.000346035	Trpm7
ENSMUSG00000102365.1	9.444664257	4.701757096	0.000133646	0.000346116	RP23-114L12.1
ENSMUSG00000029500.16	2905.103407	-0.485319169	0.000133685	0.000346183	Pgam5
ENSMUSG00000043411.15	6989.370985	-1.101692132	0.000133705	0.000346202	Usp48
ENSMUSG00000046088.8	4.86423028	-5.828850903	0.000133738	0.000346254	Gm9805
ENSMUSG000000024737.2	8.708597287	4.592449479	0.000133892	0.00034662	Slc15a3
ENSMUSG00000031075.18	48.2612332	1.463652431	0.000134074	0.000347058	Ano1
ENSMUSG00000002031.12	2296.469435	0.64306843	0.000134549	0.000348254	Ift46
ENSMUSG000000094870.8	1778.557794	-0.769319851	0.000134569	0.000348273	Zfp131
ENSMUSG00000085457.3	24.13552762	1.903865168	0.000134661	0.000348478	RP23-262J21.8
ENSMUSG00000006079.14	1785.127375	-0.586367907	0.000134687	0.000348512	Mrps9
ENSMUSG00000034252.14	3931.26423	-0.709818	0.000134841	0.000348879	Senp6
ENSMUSG000000027173.7	283.7908482	-0.821661522	0.000134906	0.000349014	Depdc7
ENSMUSG00000077338.1	15.73068645	3.362010545	0.000135156	0.000349626	Gm23294
ENSMUSG00000039563.6	17.29120128	2.985959058	0.000135233	0.000349794	AC131803.2
ENSMUSG00000028654.13	1746.89023	0.653331438	0.000135345	0.000350049	Mycl
ENSMUSG000000022941.8	19.98112925	1.98180543	0.000135731	0.000351014	Ripply3
ENSMUSG00000097406.1	8.354702509	5.433137427	0.000136364	0.000352617	RP23-380O16.4
ENSMUSG00000032418.15	2026.540716	-0.446601249	0.000136741	0.00035356	Me1
ENSMUSG00000040048.14	2574.002846	1.337401809	0.000136991	0.000354171	Ndufb10
ENSMUSG00000074178.2	11.08926027	4.332377394	0.000138047	0.000356868	Gm10638

ENSMUSG00000028252.20	1380.439149	-0.486942978	0.000138083	0.000356928	Ccnc
ENSMUSG00000053950.10	1865.306418	-0.74144982	0.000138239	0.000357295	Adnp2
ENSMUSG000000085744.1	5.291158704	5.78773996	0.000138545	0.000358053	RP23-419P16.8
ENSMUSG000000089634.1	14.62240986	3.06088651	0.000138832	0.000358762	Nat8b-ps
ENSMUSG000000081718.1	139.2420175	-1.470077327	0.000138865	0.000358812	RP23-224A7.1
ENSMUSG00000040040.16	527.2086404	0.954276752	0.000138959	0.00035902	lft88
ENSMUSG00000079242.2	37.92645856	1.413779365	0.000139165	0.00035952	C730034F03Rik
ENSMUSG00000022270.16	905.0584378	0.74692777	0.000139212	0.000359607	Retreg1
ENSMUSG000000021411.16	192.4869951	-0.765242239	0.000139335	0.00035989	Pxdc1
ENSMUSG00000051234.6	3916.010684	0.915417762	0.000139395	0.000360012	Rnf7
ENSMUSG000000084347.3	604.4859091	-0.866611419	0.000139454	0.000360129	Akt2-ps
ENSMUSG00000033964.12	1877.746247	1.026035358	0.000140692	0.000363292	Zbtb41
ENSMUSG00000110136.1	4.942775326	-5.848614855	0.000140845	0.000363653	RP23-114A6.7
ENSMUSG000000041133.11	12500.21934	-0.625808252	0.000141094	0.000364261	Smc1a
ENSMUSG000000025134.2	6480.326893	-0.85927406	0.000141136	0.000364336	Alyref
ENSMUSG000000042082.7	133.282751	1.250406904	0.00014149	0.000365208	Arsb
ENSMUSG00000071553.10	52.12251073	1.320727572	0.000141501	0.000365208	Cpa2
ENSMUSG000000021484.8	4505.357369	-0.404830339	0.000141535	0.000365261	Lman2
ENSMUSG00000017176.17	92.60429757	1.361546725	0.000141656	0.00036554	Nt5c3b
ENSMUSG000000024759.13	1195.657107	-1.084082117	0.000141693	0.0003656	Atf3
ENSMUSG00000059816.5	5.153371498	5.731627511	0.000142001	0.00036636	Fam159a
ENSMUSG00000052271.7	14.68567342	-2.529497901	0.000142311	0.000367124	Bhlha15
ENSMUSG000000027890.17	163.6058172	1.263126426	0.00014233	0.00036714	Gstm4
ENSMUSG000000031753.16	3204.762288	0.401795086	0.000142378	0.000367229	Cog4
ENSMUSG000000090126.1	107.3521007	-1.016309851	0.000142542	0.000367615	RP23-262P15.3
ENSMUSG00000006356.10	1854.991215	0.699090428	0.000142806	0.000368261	Crip2
ENSMUSG000000050890.15	1388.755374	0.591297466	0.00014286	0.000368366	Pdik1l
ENSMUSG00000048865.16	9.114267594	-4.874931561	0.000143379	0.000369669	Arhgap30
ENSMUSG00000106063.1	9.40990968	3.653096017	0.000143616	0.000370246	RP23-333I5.4
ENSMUSG00000050854.9	14.88801469	-2.494873669	0.000143647	0.000370292	Tmem125
ENSMUSG000000056018.14	9.304999572	4.053857199	0.000143793	0.000370632	Ccdc7b
ENSMUSG00000097219.1	11.05777498	-3.419659241	0.000144015	0.000371169	Gm26551
ENSMUSG00000032305.15	706.8809009	0.762059966	0.000144941	0.00037352	Fam219b
ENSMUSG000000024350.5	1365.929597	0.820419363	0.000144979	0.000373583	Dnajc18
ENSMUSG000000037990.18	55.84949884	1.603066632	0.000145225	0.000374181	Sh3rf3
ENSMUSG00000039246.8	149.8106343	0.873751028	0.000145241	0.000374186	Lyplal1
ENSMUSG000000028672.13	1111.544273	0.76179372	0.000145337	0.000374394	Hmgcl
ENSMUSG000000031174.17	1020.047425	0.702102539	0.000145349	0.000374394	Rpgr
ENSMUSG00000056313.5	21.37165626	2.629143661	0.000145455	0.000374632	RP23-310J6.1
ENSMUSG000000068487.6	127.9529329	1.687866218	0.000145861	0.000375641	RP23-50H13.2
ENSMUSG000000027356.8	18.22679533	-2.608268013	0.000145885	0.000375669	Fermt1
ENSMUSG000000078815.8	154.9790166	-1.133996986	0.000146043	0.00037604	Cacng6
ENSMUSG00000087519.8	16.01023008	2.248545324	0.000146263	0.000376571	RP23-337M17.4
ENSMUSG000000084260.1	1324.948796	-0.683128536	0.000146308	0.000376651	RP23-99G21.5
ENSMUSG000000025580.15	7544.813318	-0.727460481	0.000146326	0.000376661	Eif4a3
ENSMUSG000000041552.7	241.9307503	-0.872166557	0.000146444	0.000376931	Ptchd1
ENSMUSG00000064063.6	161.9714084	-0.883900212	0.000146788	0.00037778	RP23-259C9.2
ENSMUSG000000028907.7	2248.827511	-0.816943798	0.000146828	0.000377848	Utp11
ENSMUSG000000028793.15	1477.385535	0.497806954	0.000147426	0.000379351	Rnf19b
ENSMUSG00000092586.8	14.18091545	3.204832808	0.000147748	0.000380144	Ly6g6c
ENSMUSG00000044676.10	797.9892192	0.732564207	0.000147965	0.000380665	Zfp612
ENSMUSG000000029575.17	524.9479071	0.88046409	0.000148173	0.000381165	Mmab
ENSMUSG000000039087.17	411.6587912	-1.533162325	0.000148578	0.000382171	Rreb1
ENSMUSG00000054457.5	10.27565007	4.192513993	0.000148972	0.000383146	RP23-474J7.2
ENSMUSG00000042605.16	2804.491746	-0.634585091	0.000149025	0.000383247	Atxn2
ENSMUSG00000103183.1	108.9357022	1.366269903	0.000149164	0.000383568	RP23-118E21.11
ENSMUSG00000002519.1	27.6616737	-2.22033468	0.000149185	0.000383586	Snord32a
ENSMUSG00000025437.15	2954.009335	0.859921553	0.000149331	0.000383926	Usp33
ENSMUSG00000056429.4	4559.62545	0.48779289	0.000149435	0.000384156	Tgolin1
ENSMUSG000000023391.8	20.19052487	2.173892815	0.000149525	0.000384351	Dlx2
ENSMUSG00000027860.15	761.0426569	-0.753268129	0.000150082	0.000385748	Vangl1
ENSMUSG00000048410.16	973.9035261	-1.145604238	0.00015012	0.000385808	Zfp407
ENSMUSG00000038827.11	793.9466872	-1.004768027	0.000150186	0.000385942	Fam206a
ENSMUSG00000028894.18	947.7174814	-1.13446225	0.000150272	0.000386125	Inpp5b
ENSMUSG00000050382.14	559.9140318	-0.899782387	0.000150468	0.000386594	Kif7
ENSMUSG00000109181.1	163.4222739	1.064031784	0.000150542	0.000386748	RP23-476P11.1
ENSMUSG000000027109.16	2880.472365	-0.924863827	0.000150582	0.000386813	Sp3
ENSMUSG00000105633.1	37.85923753	1.416647749	0.00015071	0.000387104	RP23-462C22.1
ENSMUSG00000020272.8	620.0573753	-1.361818915	0.000150792	0.000387279	Stk10
ENSMUSG00000102780.1	81.01427927	-1.092114965	0.000151333	0.000388633	RP24-481E4.1
ENSMUSG00000104713.4	10.68489181	4.284100667	0.000151666	0.000389451	Gbp6
ENSMUSG00000102803.1	12.11959684	4.036553082	0.000151686	0.000389465	RP23-340C13.9
ENSMUSG00000047098.18	773.6384083	-0.849834667	0.00015204	0.000390339	Rnf31
ENSMUSG00000037470.14	6305.939558	-0.864094481	0.000152251	0.000390842	Uggt1
ENSMUSG00000107917.1	12.88121093	5.153888468	0.000152286	0.000390896	RP23-178I17.4
ENSMUSG00000025555.14	676.377452	1.158421764	0.000152493	0.000391389	Farp1
ENSMUSG00000082286.10	438.2923251	0.968601542	0.000152525	0.000391435	Pisd-ps1
ENSMUSG00000103206.1	286.7877292	0.758820267	0.000152638	0.000391688	RP23-245M20.4
ENSMUSG000000030890.16	2311.836136	0.47335519	0.000153015	0.000392619	Ilk
ENSMUSG00000059734.6	2015.931701	1.208967421	0.00015311	0.000392826	Ndufs8
ENSMUSG00000010045.2	1398.929962	0.509458739	0.000154092	0.000395308	Tmem115
ENSMUSG00000010047.12	1706.198259	-0.468399774	0.000154735	0.00039691	Hyal2
ENSMUSG00000047485.6	10.19580306	-3.552021821	0.000155372	0.000398516	Klhl34

ENSMUSG00000038909.16	4031.778648	-0.868983017	0.000155495	0.000398795	Kat7
ENSMUSG00000048330.14	1180.665638	0.848575095	0.000155605	0.000399039	Ric3
ENSMUSG000000083327.1	23773.87875	-0.450519002	0.000155678	0.000399189	Vcp-rs
ENSMUSG00000070000.13	839.8183196	0.938445836	0.000155901	0.000399722	Fcho1
ENSMUSG000000025645.8	219.6172977	0.775672188	0.000156033	0.000400023	Ccdc51
ENSMUSG00000071180.5	1509.869533	-0.532937714	0.000156216	0.000400455	Smim15
ENSMUSG00000102397.1	6.954278269	6.180218493	0.000156247	0.000400496	RP24-125L17.1
ENSMUSG00000002320.15	1105.718213	-0.6986202	0.000156348	0.000400719	Tm9sf1
ENSMUSG000000103477.1	9.222641185	4.069282108	0.000156891	0.000402072	RP23-370F14.3
ENSMUSG00000097520.2	30.09772952	2.707578007	0.000157485	0.000403555	RP23-194O23.1
ENSMUSG00000029762.6	27.16016197	-1.816441496	0.000157614	0.000403848	Akr1b8
ENSMUSG00000097537.2	84.28697615	0.959437643	0.000157752	0.000404082	RP23-230D17.7
ENSMUSG00000087286.1	359.5568515	-1.043604052	0.000157807	0.000404267	RP23-51A12.1
ENSMUSG00000027412.12	149.5634369	-1.12689357	0.000158216	0.000405276	Lpin3
ENSMUSG00000024446.13	630.6918072	1.05925778	0.000158601	0.000406226	Rpp21
ENSMUSG000000097288.1	9.634624446	4.754588108	0.000158792	0.000406677	RP23-167D4.3
ENSMUSG00000090472.8	17.17082954	2.255560939	0.000158869	0.000406834	RP24-312N10.3
ENSMUSG000000050732.9	398.4897918	1.382388445	0.000159397	0.000408149	Vamp8
ENSMUSG00000029714.11	2029.329669	-0.942750153	0.000159477	0.000408316	Gigyf1
ENSMUSG00000068601.2	27.45567009	2.266442759	0.000159509	0.000408358	RP23-117P3.3
ENSMUSG00000031189.12	60.77994857	2.42764501	0.000160126	0.000409901	Aff2
ENSMUSG00000116797.1	15.09551513	4.788741047	0.000160255	0.000410192	RP24-340J3.2
ENSMUSG00000113809.1	9.573187757	4.722932843	0.000160602	0.000410677	RP23-47P3.4
ENSMUSG00000030264.14	2779.701376	-0.459794686	0.000160827	0.000411579	Thumpd3
ENSMUSG00000031808.7	598.5639695	0.808630069	0.000161061	0.000412137	Slc27a1
ENSMUSG00000001751.9	241.037065	0.828139063	0.000161133	0.000412284	Naglu
ENSMUSG00000010358.13	25.01760711	2.213216542	0.000161175	0.000412351	Ifi35
ENSMUSG00000039095.8	143.7294406	-0.779237838	0.000161189	0.000412351	En2
ENSMUSG00000095078.2	180.7476026	-0.850759757	0.000161621	0.000413378	RP23-181F22.5
ENSMUSG00000114041.2	24.62221861	2.002385177	0.000161613	0.000413378	RP23-340P19.5
ENSMUSG00000025464.15	488.6835873	-0.622739961	0.000161774	0.00041373	Paox
ENSMUSG00000033938.5	3134.282165	1.555593393	0.000162227	0.000414849	Ndufb7
ENSMUSG00000067144.6	18.04317375	-2.345531825	0.000162362	0.000415154	Slc22a7
ENSMUSG00000058076.12	3589.379169	0.560267661	0.000162924	0.000416553	Sdhc
ENSMUSG00000046993.6	223.6728089	-0.933209603	0.000163368	0.000417648	RP23-419J18.2
ENSMUSG00000106549.1	15.88399108	-2.246977282	0.000163546	0.000418065	RP23-332O18.2
ENSMUSG00000038611.17	3860.719065	-1.18953157	0.000164042	0.000419295	Phrf1
ENSMUSG00000009863.14	6551.122364	0.991912195	0.000164207	0.000419636	Sdhb
ENSMUSG00000029108.14	841.0056724	0.977964909	0.000164201	0.000419636	Pcdh7
ENSMUSG00000028044.6	3542.714301	-1.078505632	0.000164994	0.000421608	Cks1b
ENSMUSG00000103755.1	10.83048651	2.764010978	0.000165193	0.000422078	RP24-324I23.4
ENSMUSG00000116223.1	39.28940143	1.876578746	0.000165272	0.000422224	RP23-278C10.9
ENSMUSG00000112027.1	801.6357491	-0.764819914	0.000165578	0.000422982	RP24-211K19.6
ENSMUSG00000068141.5	4788.608848	-0.93831438	0.000165852	0.000423641	RP23-174D11.2
ENSMUSG00000064158.6	8.128166183	-4.689495203	0.000165996	0.00042397	Izumo1
ENSMUSG00000006735.8	3802.998813	-0.645183542	0.000166273	0.000424574	Vkorc111
ENSMUSG00000097385.1	55.80036325	1.861964436	0.000166259	0.000424574	RP23-175C13.3
ENSMUSG00000099758.1	11.05968886	3.916187828	0.000166279	0.000424574	RP24-89G21.3
ENSMUSG00000112919.1	801.4693172	-0.764342622	0.000166462	0.000425001	RP24-211K19.3
ENSMUSG00000026960.6	2249.410697	-0.456075661	0.000166688	0.000425539	Arl6ip6
ENSMUSG00000081768.2	111.0752328	-1.012802393	0.000166996	0.000426284	RP23-475N16.2
ENSMUSG00000097217.2	57.05040465	1.372121096	0.000167079	0.000426456	RP24-236O3.3
ENSMUSG00000031485.15	1554.493873	-0.715905647	0.000167793	0.00042824	Prosc
ENSMUSG00000033319.5	2439.988691	-0.856641666	0.000168347	0.000429571	Fem1c
ENSMUSG00000050213.6	998.2563065	-0.565280367	0.000168338	0.000429571	Snip1
ENSMUSG00000022332.8	3194.448939	0.639130086	0.000168499	0.00042992	Khdrbs3
ENSMUSG00000001604.14	98.55793345	-0.964512756	0.000169566	0.000432602	Tcea3
ENSMUSG00000107515.1	4.646842976	5.59002577	0.000169732	0.000432985	RP24-325F2.1
ENSMUSG00000053559.13	47.12521597	-1.388226787	0.000170262	0.000434295	Smagp
ENSMUSG00000043241.14	2282.736076	-0.490985695	0.000170229	0.000434326	Upf2
ENSMUSG00000062758.6	11672.30393	-0.851765368	0.00017045	0.000434693	RP23-368F23.3
ENSMUSG00000001864.13	1596.045119	-0.618880158	0.00017049	0.000434734	Aif1l
ENSMUSG00000049624.14	382.5666038	0.783127335	0.000170498	0.000434734	Slc17a5
ENSMUSG000000040521.11	1378.487126	-0.881894796	0.000171541	0.000437353	Tsfm
ENSMUSG00000071266.13	1145.546555	-0.924730793	0.000171846	0.000438091	Zfp946
ENSMUSG00000111151.1	319.3666127	-1.153565952	0.000171948	0.000438309	RP23-403D16.3
ENSMUSG00000022466.6	1923.380407	-0.466582205	0.000172303	0.000439173	Rpap3
ENSMUSG00000079492.2	270.6589548	-0.794036288	0.000172589	0.000439859	RP23-108F2.19
ENSMUSG00000112448.1	9.058357537	4.641831693	0.000173058	0.000441014	RP23-337K17.1
ENSMUSG00000085917.1	737.433113	-1.093397683	0.000173396	0.000441834	AC151999.4
ENSMUSG000000081307.1	5.17910893	5.738379739	0.000173736	0.00044266	RP23-276I21.2
ENSMUSG00000105977.1	303.2973497	-1.047189495	0.000173768	0.0004427	RP23-137P16.1
ENSMUSG00000105199.1	8.760465244	-4.183061845	0.000174295	0.000444001	RP23-38L11.1
ENSMUSG00000095677.2	6169.920877	0.724573213	0.000174598	0.000444731	Dynl1f
ENSMUSG000000048376.6	4309.570241	-0.63503442	0.000174824	0.000445264	F2r
ENSMUSG00000033554.17	786.8968342	-0.640188605	0.000175	0.000445671	Dph5
ENSMUSG00000002279.18	524.1195125	-0.620874638	0.000175103	0.000445893	Lmf1
ENSMUSG00000030324.8	32.2179396	2.615406718	0.000175493	0.000446803	Rho
ENSMUSG00000052248.16	8.355681431	4.512849159	0.00017548	0.000446803	Zeb2os
ENSMUSG00000002831.13	7.686428798	-4.55841153	0.000175855	0.000447682	Plin4
ENSMUSG00000039202.12	2255.908362	0.985872332	0.000176357	0.000448881	Abhd2
ENSMUSG00000106718.1	12.9212827	2.526228342	0.000176359	0.000448881	RP24-292O13.1
ENSMUSG00000091898.8	25.21836386	2.322281715	0.000177011	0.000450498	Tnnc1

ENSMUSG00000093985.7	780.3537219	0.600108664	0.000177334	0.000451279	RP23-304L22.3
ENSMUSG00000083104.1	43.19166583	-1.34037155	0.000177958	0.000452825	RP23-230F2.6
ENSMUSG00000019849.11	3365.154652	-0.804496479	0.000177977	0.000452829	Prep
ENSMUSG00000051617.3	5.057917942	5.714195678	0.000178386	0.000453829	Krt9
ENSMUSG00000003208.8	389.3546213	-0.722476376	0.000178513	0.000454037	Ccdc94
ENSMUSG00000054280.14	2036.186947	-1.300500623	0.000178518	0.000454037	Prr14l
ENSMUSG00000064337.1	9172.529621	1.16427027	0.000178508	0.000454037	mt-Rnr1
ENSMUSG00000096065.1	6.908209476	-5.344572577	0.00017895	0.00045505	RP23-282C23.2
ENSMUSG00000096354.1	6.908209476	-5.344572577	0.00017895	0.00045505	RP23-162H3.3
ENSMUSG00000065637.1	17.2942365	-2.671860497	0.000179273	0.000455831	Gm26397
ENSMUSG00000028470.10	655.1152585	1.429876879	0.000179554	0.000456502	Hint2
ENSMUSG00000110532.1	1342.052967	1.305998671	0.000179828	0.000457154	RP23-478A9.6
ENSMUSG00000064360.1	13917.21635	0.715258266	0.000179987	0.000457517	mt-Nd3
ENSMUSG00000070372.11	4862.676496	-0.575362099	0.000181276	0.000460749	Capza1
ENSMUSG00000033769.16	1296.31095	1.025763964	0.000181626	0.000461596	Exoc6b
ENSMUSG00000071294.2	592.445581	-0.741321328	0.00018167	0.000461665	RP24-94N16.1
ENSMUSG00000038593.18	698.5345679	1.044388833	0.000181759	0.000461849	Tctn1
ENSMUSG00000074981.13	6.588141712	6.103718617	0.000181858	0.000462057	Dcdc5
ENSMUSG00000101939.1	13953.97133	0.716234189	0.000182074	0.000462562	RP23-8J15.5
ENSMUSG00000095551.1	9.195119305	4.667947254	0.000182231	0.000462917	RP24-553G19.1
ENSMUSG00000045094.7	9.074667075	5.576695365	0.000182531	0.000463636	Arhgef37
ENSMUSG00000079334.8	224.6926529	0.725949237	0.000182581	0.000463721	Nat6
ENSMUSG00000113504.1	231.2230877	0.784307568	0.000183165	0.000465161	RP24-231B8.7
ENSMUSG00000067212.8	299.3825379	-0.82077566	0.000184028	0.000467309	H2-T23
ENSMUSG00000105834.1	9.638636204	3.667491176	0.000184287	0.000467924	RP23-210I6.1
ENSMUSG00000028961.15	9122.632157	-0.417520022	0.000184515	0.000468458	Pgd
ENSMUSG00000082587.1	10.77954252	-2.786828448	0.000184761	0.000469039	RP23-248G11.1
ENSMUSG00000084170.1	380.4820083	-0.59233165	0.000185215	0.000470149	RP23-81P12.6
ENSMUSG00000060336.6	350.0819884	-0.996272995	0.000185446	0.000470691	Zfp937
ENSMUSG00000083087.1	4326.397138	-0.897679264	0.000185549	0.000470907	RP24-371A24.1
ENSMUSG00000110887.1	1019.799748	-0.499451828	0.000185662	0.000471151	RP23-350M23.5
ENSMUSG00000025586.17	448.8859042	0.723183705	0.000185857	0.000471602	Cpeb1
ENSMUSG00000069733.11	20.76880801	2.801083503	0.000185953	0.000471802	Ube2u
ENSMUSG00000029072.3	10.5702831	3.178042834	0.000186046	0.000471993	Tas1r3
ENSMUSG00000020744.13	817.4272302	-0.542781372	0.000186607	0.000472009	Slc25a19
ENSMUSG00000092607.9	695.5066297	0.844373544	0.000186758	0.000473711	Scnm1
ENSMUSG00000041096.13	2066.736744	0.737580459	0.000186863	0.00047385	Tspyl2
ENSMUSG00000004032.10	71.58077486	1.306997123	0.000186941	0.000474087	Gstm5
ENSMUSG00000031613.9	23.1876911	1.826519346	0.000187159	0.000474595	Hpgd
ENSMUSG00000002804.4	378.3507086	1.157226476	0.000187398	0.000475114	Nudt14
ENSMUSG00000047409.13	749.7844234	0.493579587	0.000187398	0.000475114	Ctdspl
ENSMUSG00000090534.1	13.30023251	2.869737151	0.000187428	0.000475146	RP24-273J13.1
ENSMUSG00000106963.1	40.17675827	-1.465801646	0.00018759	0.000475511	RP23-412C8.2
ENSMUSG00000059409.8	3947.579704	-0.467205067	0.000189353	0.000479936	Ppp2r5d
ENSMUSG00000022197.16	89.35376915	1.611504226	0.000189798	0.00048102	Pdzd2
ENSMUSG00000037315.15	1144.74093	-1.090087706	0.000190052	0.000481619	Jade3
ENSMUSG00000037347.7	146.9755295	0.80310686	0.000190118	0.000481742	Chst7
ENSMUSG00000076432.13	16790.56798	0.487304594	0.000190497	0.000482656	Ywhaq
ENSMUSG00000030016.14	5711.636495	-0.782530641	0.000190595	0.00048286	Zflm
ENSMUSG00000030538.15	602.1369094	1.061643691	0.000190912	0.000483617	Cib1
ENSMUSG00000036040.14	8.800039855	4.584749079	0.000190973	0.000483728	Adamts12
ENSMUSG00000027524.9	29.66187204	1.636880258	0.000191493	0.000484998	Edn3
ENSMUSG00000041161.8	395.9709358	-0.580816643	0.000191511	0.000485	Otud3
ENSMUSG00000032178.14	7699.607904	-0.846541515	0.000191646	0.000485297	Ilf3
ENSMUSG00000059406.8	7.208236951	5.227078344	0.000191803	0.000485648	Tmprss9
ENSMUSG00000107216.1	13.22057992	-2.541153374	0.000192075	0.000486291	RP23-353L10.2
ENSMUSG00000050192.8	1521.270655	-0.817003543	0.00019322	0.000489146	Eif5a2
ENSMUSG00000071054.12	6592.917001	-0.613185507	0.000193262	0.000489206	Safb
ENSMUSG00000026248.9	1327.216764	-0.738057772	0.000193404	0.00048952	Mrpl44
ENSMUSG00000109931.1	5.671840604	5.888042284	0.000193443	0.000489573	RP23-464B2.3
ENSMUSG00000101784.1	210.3249249	-1.093648254	0.000193787	0.000490399	RP23-149C6.2
ENSMUSG00000087575.7	5.228255976	5.75087821	0.000194117	0.000491187	RP23-391E6.1
ENSMUSG00000037058.14	7906.120663	0.655577295	0.000194205	0.000491365	Paip2
ENSMUSG00000049723.14	7.563725535	-4.582095128	0.000194422	0.000491869	Mmp12
ENSMUSG00000085143.1	11.186142	3.875139585	0.000194651	0.000492401	RP23-265A5.4
ENSMUSG00000030203.17	1886.257266	-0.663806928	0.00019467	0.000492404	Dusp16
ENSMUSG00000094338.1	32.03534076	1.675815405	0.000194735	0.000492524	Hist1h2bl
ENSMUSG00000024114.14	19.03637793	-1.990993643	0.000194765	0.000492554	Prss41
ENSMUSG00000038046.4	836.6876904	-0.641141363	0.000195009	0.000493126	Mrm3
ENSMUSG00000027224.14	8.073128175	-4.695412174	0.000195185	0.000493524	Duoxa1
ENSMUSG00000030990.18	470.7865468	-0.685244993	0.000196536	0.000496894	Pgap2
ENSMUSG00000110627.1	108.016767	-1.132616772	0.000196737	0.000497355	RP24-257F22.4
ENSMUSG00000020429.7	6.510416699	6.085632906	0.000196778	0.000497414	Igfbp1
ENSMUSG00000101832.1	4.623433361	5.583721534	0.000196926	0.000497741	RP24-74G12.3
ENSMUSG00000066839.12	1326.07149	-0.593193212	0.000197011	0.000497911	Ecsit
ENSMUSG00000032487.8	66.6516328	1.359184433	0.000197059	0.000497984	Ptgs2
ENSMUSG00000107219.1	4.993712834	5.686336539	0.000197199	0.000498294	RP23-42M8.10
ENSMUSG00000021876.15	48.1141658	1.374414309	0.000197276	0.00049844	Rnase4
ENSMUSG00000074227.12	1928.582473	0.818699495	0.000197588	0.000499183	Spint2
ENSMUSG0000018727.19	41.3821837	-1.359119571	0.000197813	0.000499706	Cpsf4l
ENSMUSG00000108594.1	8.606328326	3.50624782	0.000198401	0.000501144	RP23-64D23.6
ENSMUSG00000108916.1	27.3825948	-1.596296883	0.000198839	0.000502204	RP24-334J11.3
ENSMUSG00000095993.1	6.676487693	-5.296376366	0.000198887	0.000502278	Gm21060

ENSMUSG00000109160.1	4.571958498	5.570620931	0.000198961	0.000502418	RP23-245C15.2
ENSMUSG00000112039.1	8.771493618	4.596648556	0.000199197	0.000502969	RP23-116G15.4
ENSMUSG000000027968.11	4881.373201	-0.834369799	0.000199285	0.00050312	Larp7
ENSMUSG000000034075.10	3263.316597	-1.062171351	0.000199294	0.00050312	Zdhhc5
ENSMUSG000000038205.12	855.2160045	0.491780998	0.000200208	0.00050538	Prkab2
ENSMUSG000000061898.10	514.9365252	0.850077739	0.000200315	0.000505605	Rbak
ENSMUSG00000105352.4	4.743321969	5.622924016	0.000200383	0.000505728	RP23-195B3.5
ENSMUSG00000114133.1	4819.09585	0.441768906	0.000200541	0.00050608	RP24-202N2.3
ENSMUSG000000073565.4	12.59114185	4.536890771	0.000201023	0.000507249	Prr16
ENSMUSG00000024169.15	690.5196721	0.894777977	0.000201473	0.000508339	lft140
ENSMUSG00000001143.13	1912.890033	0.538125755	0.000201583	0.000508568	Lman2l
ENSMUSG00000112336.1	47.34081466	1.855060331	0.00020181	0.000509095	RP23-235H10.4
ENSMUSG00000097223.2	9.282118541	4.064081979	0.000202145	0.000509892	RP24-409K22.3
ENSMUSG000000081231.1	33.87712182	-1.562381582	0.000202176	0.000509922	Tcp1-ps1
ENSMUSG000000081996.1	65.43029813	-1.071978609	0.000202239	0.000510036	RP23-235P16.4
ENSMUSG000000061039.5	9.725342632	3.334773514	0.000202516	0.000510687	Olf920
ENSMUSG00000000579.14	7069.082924	0.710319286	0.000203306	0.00051263	Dynl11c
ENSMUSG000000040282.13	827.2730191	-0.521361106	0.000203409	0.000512842	RP23-297K24.1
ENSMUSG00000113991.1	180.2432002	0.885595176	0.000203485	0.000512986	RP23-290N23.7
ENSMUSG00000112449.1	5758.683863	0.580429552	0.000203541	0.00051308	Srp54b
ENSMUSG00000067702.5	8.621215692	-4.099161184	0.000203597	0.000513174	Tuba3a
ENSMUSG00000027940.18	10394.02632	-0.591019603	0.000203791	0.000513615	Tpm3
ENSMUSG000000090093.8	805.0347686	-1.181848311	0.000203929	0.000513917	RP23-330D3.6
ENSMUSG000000032867.8	4100.315982	-0.548825692	0.000205434	0.000517662	Fbxw8
ENSMUSG000000085204.1	23.36832367	2.878733252	0.0002055	0.00051778	RP24-114K21.4
ENSMUSG00000116729.1	9.316637665	-3.143160899	0.000205533	0.000517813	RP23-220N17.4
ENSMUSG000000021610.8	2787.549826	0.533812696	0.000206409	0.000519974	Ciptm1l
ENSMUSG000000034216.12	1239.289549	0.514496777	0.000206557	0.000520297	Vps18
ENSMUSG000000021144.14	3667.168301	-0.642638739	0.000206576	0.000520298	Mta1
ENSMUSG000000025377.14	841.5596063	-0.465256215	0.00020676	0.000520714	Enthd2
ENSMUSG00000000711.3	2438.251861	0.926270487	0.000207096	0.000521463	Rab5b
ENSMUSG00000053117.10	7.505185967	5.297091539	0.000207092	0.000521463	E330013P04Rik
ENSMUSG000000082651.1	9.415071637	3.636579921	0.000207238	0.000521772	RP23-433P19.6
ENSMUSG000000028414.17	1258.431366	0.762913354	0.000207728	0.000522958	Fktn
ENSMUSG000000007739.10	27687.1991	-0.803304501	0.000207972	0.000523524	Cct4
ENSMUSG000000040111.16	352.8438321	-0.753288511	0.000208006	0.000523561	Gramd1b
ENSMUSG00000105556.1	27.45359335	-2.880592417	0.000208568	0.000524928	RP23-111M12.2
ENSMUSG000000029371.7	23.10210094	-1.816801084	0.000208687	0.000525179	Cxcl5
ENSMUSG00000031256.11	6887.365432	-0.888155973	0.000208966	0.00052583	Cstf2
ENSMUSG000000074868.2	190.959548	0.751489759	0.000209589	0.000527349	RP23-191N15.3
ENSMUSG00000107427.1	4.710022646	5.606449607	0.000210338	0.000529187	RP23-25K2.2
ENSMUSG000000028455.15	3654.020991	-0.901242956	0.000210952	0.000530681	Stoml2
ENSMUSG000000034112.9	14.98441106	2.127034938	0.000211465	0.000531923	Atp2c2
ENSMUSG000000030342.8	1434.20993	-0.549800512	0.000211966	0.000533135	Cd9
ENSMUSG000000097592.2	11.19849108	3.045195833	0.000212159	0.000533571	RP23-441D9.10
ENSMUSG000000039069.19	717.1835898	0.516691414	0.00021336	0.000536542	Mtg2
ENSMUSG00000046201.9	2892.490821	-0.892895187	0.000213487	0.000536812	Scaf8
ENSMUSG00000104239.1	4.606488875	-5.746066824	0.000213536	0.000536884	RP23-114N13.2
ENSMUSG000000001249.14	9.229368384	-3.215881866	0.000213557	0.000536889	Hpn
ENSMUSG00000099980.1	6021.318328	-0.856572781	0.000213871	0.000537629	RP23-58N8.4
ENSMUSG000000031179.14	6.709859101	-5.300223229	0.000214065	0.000538066	RP23-418L18.2
ENSMUSG000000028530.14	2178.665061	0.934885541	0.000214134	0.000538189	Jak1
ENSMUSG0000000086238.1	4.548036165	5.556142314	0.000214293	0.000538539	RP23-337P24.1
ENSMUSG00000052557.11	1025.347041	0.503676588	0.000214594	0.000539247	Gan
ENSMUSG000000030739.18	170.2779424	-0.961240897	0.000215246	0.000540836	Myh14
ENSMUSG000000098383.1	5.69734226	5.873318782	0.000215945	0.000542542	RP23-399K8.5
ENSMUSG000000023484.14	182.7177273	1.003230605	0.000215991	0.000542607	Prph
ENSMUSG00000105011.1	5.263370398	5.760175376	0.000216785	0.000544552	RP23-105B8.2
ENSMUSG000000027746.13	2395.567281	0.655728033	0.000216906	0.000544789	Ufm1
ENSMUSG000000035890.9	1915.108612	-0.4777966	0.00021692	0.000544789	Rnf126
ENSMUSG00000039232.12	25.89763591	1.878320975	0.000217263	0.000545602	Stx11
ENSMUSG00000100891.1	4.805988921	5.632124851	0.000217567	0.000546265	RP23-392G15.1
ENSMUSG00000111583.1	4.805988921	5.632124851	0.000217567	0.000546265	RP23-269O24.5
ENSMUSG000000097240.1	5.518205675	5.840850543	0.000218014	0.000547336	RP23-413P10.2
ENSMUSG00000056342.16	10414.02005	-0.692210798	0.000218055	0.000547388	Usp34
ENSMUSG00000028691.12	21542.51212	-1.079202013	0.000218125	0.000547514	Prdx1
ENSMUSG00000055368.14	26.52763308	-1.606812245	0.000218297	0.00054787	Slc6a2
ENSMUSG00000104017.1	7.336477111	5.245602957	0.000218307	0.00054787	RP23-317L18.3
ENSMUSG00000078612.9	7.407681536	5.267891068	0.000218411	0.000548081	RP23-431F3.1
ENSMUSG00000024087.3	21.02153993	3.1929579	0.000218457	0.000548145	Cyp11b1
ENSMUSG000000097842.2	54.12736214	1.385020728	0.000218745	0.000548817	RP23-201L15.5
ENSMUSG000000013921.15	3161.794727	1.079406344	0.000218884	0.000549115	Clip3
ENSMUSG00000003283.14	42.9530169	1.375553247	0.000219179	0.000549805	Hck
ENSMUSG00000114433.1	4.46144688	5.532937333	0.000219339	0.000550155	RP24-441F24.2
ENSMUSG000000074452.13	39.58294533	1.482299886	0.000219537	0.000550602	Pate2
ENSMUSG00000027788.6	4.473151687	5.536218403	0.000220615	0.000553203	Otol1
ENSMUSG00000044583.13	11.41703404	-3.318143259	0.000220607	0.000553203	Tlr7
ENSMUSG00000103653.1	872.2074584	1.123667378	0.000221037	0.00055421	WI1-1003N17.1
ENSMUSG000000025026.14	1168.475844	-0.879667371	0.000221513	0.000555352	Add3
ENSMUSG00000055125.7	7.74757434	5.345232082	0.000221686	0.000555735	RP24-76M8.1
ENSMUSG00000114287.1	4.928205346	5.67052233	0.000222447	0.000557591	RP23-436A20.1
ENSMUSG000000081700.1	78.61291761	1.833755316	0.000222543	0.00055778	Atp5k-ps2
ENSMUSG000000074832.11	23.72422864	-1.787733946	0.000223443	0.000559985	RP23-471F12.1

ENSMUSG00000020163.12	2899.112474	1.541366496	0.000224294	0.000562066	Uqcr11
ENSMUSG00000038267.15	1204.439642	1.107123589	0.000224443	0.000562388	Slc22a23
ENSMUSG00000047171.8	4.982008027	5.683616398	0.000224968	0.000563652	Helt
ENSMUSG00000055737.12	245.4193851	-0.910183484	0.000225003	0.000563686	Ghr
ENSMUSG00000038538.17	3937.55256	-0.4306831	0.00022516	0.000564028	Ubn2
ENSMUSG00000061436.15	1107.289245	-0.55466717	0.000225446	0.000564693	Hipk2
ENSMUSG00000090973.16	6906.141125	-0.77737913	0.000225629	0.00056551	Nf2
ENSMUSG00000028030.12	603.2228486	0.858979012	0.000225823	0.000565534	Tbck
ENSMUSG00000078901.8	670.9776671	-1.181845419	0.000226553	0.000567269	RP23-166A1.1
ENSMUSG00000114059.1	180.4163323	0.8816362	0.000226558	0.000567269	RP23-174O6.24
ENSMUSG00000005510.9	2849.368809	1.162886186	0.000226737	0.000567666	Ndufs3
ENSMUSG00000032625.14	786.3653348	0.889725966	0.000226795	0.000567759	Thsd7a
ENSMUSG00000021070.6	23.73591317	2.086201908	0.000227739	0.00057007	Bdkrb2
ENSMUSG00000041716.7	423.7036024	0.861778555	0.000227824	0.000570229	RP24-234J3.3
ENSMUSG00000029346.12	653.2305826	0.869919391	0.000228117	0.00057091	Srrd
ENSMUSG00000027166.14	414.8763659	-0.604424694	0.00022861	0.000572093	Dnajc24
ENSMUSG00000056515.8	1481.017576	0.68722665	0.000228726	0.000572331	Rab31
ENSMUSG00000044715.7	808.2637094	0.601795583	0.000229345	0.000573827	Gskip
ENSMUSG00000021668.15	197.1932029	-1.269685111	0.000230164	0.000575792	Polk
ENSMUSG000000078901.8	1275.390901	1275.390901	0.000230173	0.000575792	Tssc1
ENSMUSG00000104205.1	5.460471301	5.813369257	0.000230428	0.000576377	RP24-329M13.1
ENSMUSG000000040165.14	17.67503725	-1.961847258	0.000232158	0.000580652	Cd209c
ENSMUSG00000045237.5	549.3140671	0.937251835	0.000232483	0.000581411	RP23-403O11.1
ENSMUSG000000082319.3	6280.0518	-0.470967966	0.000232612	0.00058168	RP23-460M19.1
ENSMUSG00000028136.15	4177.524447	-0.912982951	0.000233428	0.000583666	Snx27
ENSMUSG00000030762.11	4.484856494	5.53951441	0.000233484	0.000583753	Aqp8
ENSMUSG00000109235.1	59.69297266	-1.338704572	0.00023361	0.000584013	RP23-229E19.3
ENSMUSG00000067562.11	4.70435343	-5.779819408	0.000233799	0.000584434	Dmrtc1c1
ENSMUSG00000032381.5	1568.763785	0.766327271	0.000234396	0.000585857	Fam96a
ENSMUSG00000078889.11	671.36143	-1.180278864	0.000234412	0.000585857	RP23-355G16.1
ENSMUSG00000108005.1	7.052802789	5.192860719	0.000234657	0.000586418	RP23-178I17.2
ENSMUSG00000005417.17	10165.06207	0.705682353	0.000234789	0.000586693	Mprip
ENSMUSG00000085953.2	6.793318273	5.146811325	0.000235566	0.00058858	AC119857.2
ENSMUSG00000021238.11	660.1049282	0.806418498	0.000235733	0.000588942	Aldh6a1
ENSMUSG00000072258.10	556.0856811	-0.587699238	0.000236803	0.000591562	Taf1a
ENSMUSG00000034940.15	2200.489086	0.822623165	0.000237104	0.000592259	Synrg
ENSMUSG0000000085.16	796.8314234	1.133214624	0.000237274	0.00059263	Scmh1
ENSMUSG000000044340.7	940.5891665	-1.216030217	0.000237358	0.000592785	Phlpp1
ENSMUSG00000030374.15	4163.559454	0.741149774	0.00023758	0.000593287	Strm4
ENSMUSG00000033658.16	4197.466656	-0.863666792	0.000237665	0.000593443	Ddx19b
ENSMUSG00000113780.1	42.41406799	1.472798233	0.00023827	0.0005949	RP23-349P1.2
ENSMUSG000000026209.15	2290.130411	0.748660714	0.00023858	0.00059562	Dnpep
ENSMUSG00000055681.14	2245.265784	0.793696439	0.00023911	0.000596888	Cope
ENSMUSG00000105599.1	474.5127822	1.337353379	0.000240121	0.000599357	RP23-218B2.3
ENSMUSG00000038690.15	5669.25145	1.267304606	0.000240605	0.000600509	Atp5j2
ENSMUSG00000071640.3	93.78705779	-2.004432671	0.000240844	0.000601051	Stxbp3-ps
ENSMUSG00000025350.15	38.55170419	1.483806777	0.000240897	0.000601128	Rdh5
ENSMUSG00000067365.10	1571.259029	0.581604351	0.000241071	0.000601507	Tmem128
ENSMUSG000000073664.11	1176.167538	-1.006626697	0.000241495	0.000602509	Nbeal1
ENSMUSG00000094334.1	234.1477242	-0.962796978	0.000241742	0.000603072	Fabp5l2
ENSMUSG00000040657.3	6.817830469	-5.327773278	0.000241792	0.000603141	RP23-21F2.2
ENSMUSG00000093537.1	43.64709342	-1.907623428	0.000242041	0.000603707	RP24-309I5.2
ENSMUSG00000024069.12	571.5889232	-0.507306514	0.000242626	0.000605109	Slc30a6
ENSMUSG00000025728.15	2068.739523	-0.630152207	0.00024273	0.000605315	Pigq
ENSMUSG00000021911.16	2635.218331	-0.59156693	0.000242973	0.000605865	Parg
ENSMUSG00000034463.4	20.00353972	2.244793159	0.000242996	0.000605866	Scara3
ENSMUSG000000092819.1	18.96177348	-1.937725889	0.00024406	0.000608463	Gm23639
ENSMUSG00000060510.14	5374.83816	-1.098707538	0.0002449	0.000610501	Zfp266
ENSMUSG00000034258.4	29.94620757	1.496904656	0.000245333	0.000611526	Mfsd7c
ENSMUSG00000035798.14	1779.531555	0.93795527	0.00024566	0.000612285	Zdhhc17
ENSMUSG00000021013.16	381.7391336	0.765715466	0.000245696	0.000612319	Ttc8
ENSMUSG00000075012.4	1482.926795	0.414756504	0.000246081	0.000613221	Fjx1
ENSMUSG00000026155.13	2416.777345	0.468620928	0.00024617	0.000613332	Smap1
ENSMUSG000000097030.1	9.405648132	3.287805249	0.000246169	0.000613332	RP23-140I12.5
ENSMUSG00000104886.1	5.318198516	5.783145535	0.000247111	0.000615619	RP23-123P10.5
ENSMUSG00000100155.1	10.50402781	4.855524503	0.00024719	0.000615759	RP23-101D11.2
ENSMUSG00000113486.1	93.08423615	-0.923154616	0.000247261	0.000615881	RP24-366J10.6
ENSMUSG00000112495.1	613.6899384	-0.66329238	0.00024735	0.000616046	RP24-211K19.4
ENSMUSG00000022621.16	667.6117685	0.631368025	0.000247649	0.000616735	Rabl2
ENSMUSG00000021099.6	30.72980999	-1.546019678	0.000248198	0.000618044	Six6
ENSMUSG000000027368.6	20.69449409	-2.121017525	0.000248547	0.000618856	Dusp2
ENSMUSG00000086943.2	11.49460765	3.94925885	0.000248704	0.000619192	RP23-263M10.3
ENSMUSG00000031349.4	2270.202119	-0.696612788	0.00024876	0.000619276	Nsdhl
ENSMUSG00000087381.8	161.0183283	1.021411476	0.000249301	0.000620563	RP23-118E21.9
ENSMUSG000000033460.14	4273.389308	0.494898723	0.000251727	0.000626547	Armcx1
ENSMUSG00000020526.12	1553.009844	-0.657847792	0.000251883	0.000626877	Znhit3
ENSMUSG00000025083.18	32.04176031	1.674869517	0.000252066	0.000627275	Afap1l2
ENSMUSG000000029466.11	2457.017212	0.604930675	0.000252121	0.000627356	Anapc7
ENSMUSG000000020234.10	8.274839987	3.880023468	0.000252129	0.000627469	AC155937.2
ENSMUSG00000059658.5	2545.938767	-1.038120592	0.000252531	0.000628261	Mif-ps6
ENSMUSG00000038014.7	3459.54583	-0.846097771	0.000252779	0.00062882	Fam120a
ENSMUSG00000033510.14	218.635129	0.85297917	0.00025346	0.000630456	Otud7a
ENSMUSG00000028402.18	2451.281604	-1.190896933	0.000255176	0.000634668	Mpdz

ENSMUSG00000086779.1	4.817693728	5.635711052	0.000255686	0.000635878	RP23-306D20.5
ENSMUSG00000038025.8	900.1437177	1.537924117	0.000255819	0.000636149	Phf2
ENSMUSG00000038155.10	730.4890365	1.109385155	0.000256041	0.000636644	Gstp2
ENSMUSG00000109418.1	6.267563171	6.0122001	0.000256798	0.000638468	RP23-52J10.5
ENSMUSG00000042709.14	1778.062541	-0.456001464	0.000257006	0.000638927	Atfaf2
ENSMUSG00000047454.12	1479.389618	0.811937718	0.000257353	0.000639732	Gphn
ENSMUSG00000035775.2	6.760059069	6.120777592	0.000257405	0.000639802	Krt20
ENSMUSG00000061518.11	3504.75141	1.240421433	0.000258142	0.000641575	Cox5b
ENSMUSG000000097152.1	11.75431312	3.628401596	0.000258244	0.000641769	Gm26515
ENSMUSG00000114999.1	1596.84218	-0.708361344	0.000259189	0.000644059	RP24-380A15.2
ENSMUSG00000032289.15	167.9416736	-1.068237313	0.000259629	0.000645094	Thsd4
ENSMUSG00000029177.9	3397.006857	-0.972654887	0.00026014	0.000646305	Cenpa
ENSMUSG00000003527.9	1291.828229	0.449002513	0.000260507	0.000647158	Dgcr14
ENSMUSG000000037400.17	2888.232414	-1.218743088	0.000260561	0.000647232	Atp11b
ENSMUSG000000039753.16	1069.261926	-0.647781471	0.000261228	0.000648832	Fbxl5
ENSMUSG000000061950.17	3068.212262	-0.745360322	0.000261927	0.000650507	Ppp4r1
ENSMUSG00000090256.1	389.2918037	-0.777177027	0.000262409	0.000651644	Alms1-ps1
ENSMUSG00000018554.13	288.201942	0.707440834	0.000262664	0.00065222	Ybx2
ENSMUSG00000102536.1	4.622920643	5.576549211	0.000263009	0.000653015	RP23-434D24.3
ENSMUSG000000020354.15	9.524731212	3.31646363	0.000263132	0.000653262	Sgcd
ENSMUSG00000032410.13	2506.164536	-0.784872971	0.000263871	0.000654978	Xrn1
ENSMUSG000000097833.1	39.27227932	-1.569510239	0.000263853	0.000654978	RP24-150D18.2
ENSMUSG000000079362.5	4.997066089	5.698755873	0.000265069	0.000657891	RP23-329M7.3
ENSMUSG000000071860.1	23.85390953	2.103370865	0.000265782	0.0006596	2900055J20Rik
ENSMUSG00000103293.1	452.2164473	-0.835037208	0.000266363	0.000660983	RP24-487F9.1
ENSMUSG000000079418.3	349.0441806	0.638080246	0.000266518	0.000661306	Atg4a
ENSMUSG000000087164.1	7.455883321	-4.559763608	0.000266922	0.000662248	Nr5a1os
ENSMUSG00000048503.7	588.8771504	0.982113828	0.000267075	0.000662569	Tmem136
ENSMUSG00000106459.1	150.4679895	1.192130519	0.000267178	0.000662763	RP24-409P22.2
ENSMUSG00000030352.14	2279.898452	0.622246858	0.000267943	0.0006646	Tspan9
ENSMUSG00000102929.1	39.09565409	-2.167966478	0.000268006	0.000664695	RP23-191A19.1
ENSMUSG00000027091.14	6422.880767	-0.541461831	0.000268371	0.000665541	Zc3h15
ENSMUSG00000113774.1	9.141030993	4.654027132	0.000268692	0.000666276	RP23-169J21.3
ENSMUSG00000021591.8	426.0151831	0.6033774	0.000269342	0.000667828	Glrx
ENSMUSG000000047710.8	2938.817354	-0.726276221	0.000270117	0.000669688	Champ1
ENSMUSG000000097514.1	5.463101944	-5.998448927	0.000271157	0.000672206	Gm17619
ENSMUSG000000070394.10	1899.265528	1.524118067	0.000271305	0.000672511	Tmem256
ENSMUSG000000030316.13	1724.573262	-0.850971304	0.000271466	0.000672848	Tamm41
ENSMUSG00000021171.8	2206.87096	-1.087841027	0.000271602	0.000673123	Esyt2
ENSMUSG00000029458.14	1213.877664	0.653427567	0.000271659	0.000673205	Brap
ENSMUSG00000062252.8	11.77111166	3.36620925	0.000272042	0.000674093	Lhfp15
ENSMUSG000000045867.10	155.5095047	0.704570138	0.000272362	0.000674823	Cradd
ENSMUSG00000073007.10	9.349490732	-4.164766233	0.000272536	0.000675193	Fam46d
ENSMUSG00000053414.8	1374.053659	0.734840935	0.000272865	0.000675946	Hunk
ENSMUSG00000034285.15	5248.204405	0.432949193	0.000273592	0.000677686	Nipsnap1
ENSMUSG000000064672.1	22.67775806	-2.297513675	0.000274307	0.000679396	Gm22806
ENSMUSG00000041126.16	3354.343193	1.106080548	0.000274929	0.000680874	H2afv
ENSMUSG000000067279.2	104.2871848	1.059555214	0.000275147	0.000681353	Ppp1r3c
ENSMUSG000000024990.12	121.644461	-1.171479358	0.000275619	0.00068335	Rbp4
ENSMUSG00000037306.13	330.5604785	1.001383351	0.000276844	0.000685431	Man1c1
ENSMUSG00000020628.16	1046.828137	0.639212624	0.000277261	0.00068664	Trappc12
ENSMUSG00000107502.1	5.263093455	5.779772342	0.000277744	0.000687533	RP24-194N1.2
ENSMUSG000000051451.6	2441.631806	-0.71954956	0.000277828	0.000687679	Crebzf
ENSMUSG00000021012.16	4961.471026	-0.582081299	0.000277873	0.000687729	Zc3h14
ENSMUSG00000060212.13	112.739763	1.360796815	0.000278097	0.000688219	Pcnxl2
ENSMUSG000000097388.1	50.09858164	-1.174303861	0.00027813	0.000688239	RP24-98O8.1
ENSMUSG000000024137.9	828.7396089	0.608758886	0.0002786	0.000689251	E4f1
ENSMUSG00000059003.12	406.6685553	1.279685127	0.00027864	0.000689251	Grin2a
ENSMUSG000000097375.2	257.9562256	0.905395602	0.000278577	0.000689251	RP24-270A10.4
ENSMUSG00000110885.1	6.574662974	6.080471635	0.000278626	0.000689251	RP23-11B13.5
ENSMUSG00000091255.1	4.374857595	5.509266093	0.000279339	0.000690917	Speer4e
ENSMUSG00000073198.5	1688.286567	-0.644620355	0.000279944	0.000692349	RP24-66D20.6
ENSMUSG00000034109.15	1779.342673	-1.043762896	0.000280296	0.000693158	Golim4
ENSMUSG000000022450.6	1901.957418	1.16673013	0.000280613	0.000693878	Ndufa6
ENSMUSG00000106904.1	28.20007862	-2.581883897	0.000281859	0.000696897	RP23-446B13.7
ENSMUSG000000025722.16	1656.549625	-0.536599329	0.000282149	0.000697549	Wdr73
ENSMUSG000000027001.10	295.3672702	-0.608119051	0.000283158	0.00069998	Dusp19
ENSMUSG000000052534.15	5231.78244	0.467870504	0.000283427	0.000700582	Pbx1
ENSMUSG00000002733.8	1274.060149	-0.600698961	0.000283735	0.00070128	Plekha3
ENSMUSG000000087474.1	18.02870072	-2.783952903	0.000283826	0.000701441	RP23-358M10.2
ENSMUSG000000097511.2	10.8598415	4.322262963	0.000284044	0.000701917	RP24-67I21.3
ENSMUSG00000014980.14	881.023101	-0.772988761	0.000284216	0.000702277	Tsen15
ENSMUSG00000023800.15	72.04151436	1.324100415	0.000284628	0.000703231	Tiam2
ENSMUSG00000114311.1	6.735300559	5.11864232	0.000285167	0.000704499	RP24-211E15.4
ENSMUSG000000024457.16	1409.940567	0.663025176	0.000285213	0.00070455	Trim26
ENSMUSG00000004939.7	6.817240606	5.155922762	0.000285473	0.000705088	Nmrk2
ENSMUSG000000094595.1	86.17798528	-1.157215574	0.000285483	0.000705088	Fsbp
ENSMUSG000000086015.1	38.85436868	-1.466529509	0.000285564	0.000705225	RP23-151M22.6
ENSMUSG000000022673.13	757.3324217	0.771983082	0.000286473	0.000707404	Mzt2
ENSMUSG00000030107.10	8.749350654	3.184596939	0.000286828	0.000708217	Usp18
ENSMUSG000000034371.8	662.9083595	0.466510536	0.00028719	0.000709048	Tkfc
ENSMUSG00000103433.1	86.70734126	-0.908714941	0.000287501	0.00070975	RP23-103B18.6
ENSMUSG00000097177.8	95.8190678	-0.823816781	0.00028765	0.000710055	RP23-229N10.4

ENSMUSG00000069125.2	1615.146622	-1.341004473	0.000288045	0.000710966	Rps24-ps2
ENSMUSG00000003476.16	63.57246805	-1.070821216	0.00028823	0.000711344	Crrh2
ENSMUSG00000025575.14	2345.175449	0.459636616	0.000288251	0.000711344	Cant1
ENSMUSG000000054146.8	5.942010886	5.954147199	0.000288815	0.000712671	Krt15
ENSMUSG000000096056.1	29.952036	2.040606985	0.000289839	0.000715134	RP23-440J15.7
ENSMUSG000000082461.1	147.779986	-0.901275016	0.00029019	0.000715935	RP23-58C21.2
ENSMUSG00000113662.1	17.58199397	3.693199614	0.000290292	0.000716121	RP23-60K23.10
ENSMUSG000000067561.12	4.519532434	-5.722463957	0.000290523	0.000716626	Dmrtc1c2
ENSMUSG0000000111446.1	616.4262719	1.247840152	0.000290625	0.000716814	RP23-123D6.12
ENSMUSG00000026032.8	1983.056263	0.996453026	0.000292034	0.000720224	Ndufb3
ENSMUSG00000103507.1	16.70058742	-2.068030157	0.000292264	0.000720726	RP23-269E5.10
ENSMUSG00000115523.1	76.98891071	-1.200994036	0.00029268	0.000721687	RP24-164C12.3
ENSMUSG00000115503.1	2973.518268	-0.667274692	0.000292833	0.000721997	RP23-24P3.3
ENSMUSG000000042138.8	1615.113423	-0.703634698	0.00029327	0.00072301	Msantd2
ENSMUSG00000003233.12	1718.52142	1.000719581	0.000293523	0.000723567	Dvl3
ENSMUSG000000084124.1	12.9480273	3.019704148	0.000293582	0.000723648	RP23-42H18.2
ENSMUSG000000057335.11	3789.898167	1.167229193	0.000294388	0.000725569	Cep170
ENSMUSG000000037942.5	4.426332459	5.522925719	0.000294633	0.000726108	Crp
ENSMUSG000000027404.15	9202.177268	-0.859897084	0.000294845	0.000726565	Snrpb
ENSMUSG000000051391.9	17767.3214	0.56352636	0.000295182	0.00072733	Ywhag
ENSMUSG00000017299.13	1119.899127	0.660626943	0.00029638	0.000730216	Dnttip1
ENSMUSG000000038970.7	2788.515035	-1.362657205	0.000298519	0.000735419	Lmtk2
ENSMUSG000000015335.16	930.2924918	-0.809680574	0.000299765	0.00073842	Zdhhc12
ENSMUSG000000062931.15	634.2404511	0.555580309	0.000299915	0.000738725	Zfp938
ENSMUSG000000062580.9	3421.384439	-0.765338148	0.00030221	0.00074431	Timm17a
ENSMUSG000000041135.15	207.5974996	-0.626436294	0.000302544	0.000745053	Ripk2
ENSMUSG000000086682.1	41.02456091	1.723720544	0.000302567	0.000745053	RP23-183D11.8
ENSMUSG000000043639.14	179.9625077	-0.926729659	0.000302828	0.00074563	Rbm20
ENSMUSG000000026712.3	6.163791642	-5.17855293	0.000303837	0.000748045	Mrc1
ENSMUSG000000074364.6	118.1770845	-1.227213212	0.000304673	0.000750035	Ehd2
ENSMUSG000000035692.6	8.572838694	4.540809726	0.000305643	0.000752355	lsg15
ENSMUSG000000094463.2	354.3667565	-1.044637592	0.00030592	0.00075297	RP24-163G22.4
ENSMUSG000000098421.1	25.18107009	-1.542786079	0.000306179	0.000753539	RP24-378F2.2
ENSMUSG000000059585.4	379.9023162	-0.775119414	0.000308548	0.00075399	RP23-407N2.1
ENSMUSG000000028683.14	1804.851978	-0.695649272	0.000308947	0.000760215	Eif2b3
ENSMUSG000000049511.5	55.35993468	1.464048794	0.00030938	0.000761211	Htr1b
ENSMUSG000000030057.15	20487.30254	-0.79198982	0.000309448	0.00076131	Cnbp
ENSMUSG000000028416.12	4484.28637	0.967330764	0.00030956	0.000761518	Bag1
ENSMUSG000000048022.11	269.4258227	-0.85298388	0.000309686	0.000761758	Tmem229a
ENSMUSG000000085912.1	7.018974882	5.175092174	0.000309795	0.000761958	Trp53cor1
ENSMUSG000000034868.8	4408.860752	0.772865899	0.000310172	0.000762816	Myl12b
ENSMUSG000000078627.9	7.00728594	5.175102629	0.000310489	0.000763527	10. Mrz
ENSMUSG000000026761.12	2049.943131	-0.64737454	0.000310825	0.000764283	Orc4
ENSMUSG000000027845.15	709.2474113	-0.676255221	0.000311728	0.000766434	Dclre1b
ENSMUSG000000081170.1	2474.58771	-0.876964277	0.000312347	0.000767887	RP23-247I20.3
ENSMUSG000000021870.17	2726.230981	-0.873211817	0.000312709	0.000768708	Slmap
ENSMUSG00000001999.15	260.0091731	0.939815649	0.000312848	0.00076898	Blvra
ENSMUSG000000033409.14	8.413551352	4.55265559	0.000313321	0.000770073	Syce11
ENSMUSG000000032271.13	6.797501308	6.128958507	0.000313439	0.000770293	Nnmt
ENSMUSG000000051951.5	236.4715767	2.119793903	0.000313537	0.000770465	Xkr4
ENSMUSG000000025876.15	455.7461177	0.890674993	0.0003146	0.000773007	Unc5a
ENSMUSG000000056260.15	1667.301298	0.612362398	0.000315216	0.00077445	Lrif1
ENSMUSG000000027952.16	2479.494063	0.724363068	0.000315403	0.000774841	Pmvk
ENSMUSG000000022555.12	792.8836076	0.458312196	0.000317017	0.000778735	Dgat1
ENSMUSG000000062713.8	11.46540938	2.857896919	0.000317124	0.000778928	Sim2
ENSMUSG000000051319.6	169.5044232	1.321671105	0.000318348	0.000781865	RP23-189N15.6
ENSMUSG000000005696.11	5.174453295	5.739428038	0.000318573	0.000782275	Sh2d1a
ENSMUSG000000080875.4	1525.178032	-0.891054308	0.000318551	0.000782275	AC158121.2
ENSMUSG000000041881.12	3028.345977	1.042529722	0.000319088	0.000783471	Ndufa7
ENSMUSG000000083820.1	467.7038761	1.435373924	0.000320264	0.000786286	AC109220.5
ENSMUSG000000062647.16	15338.01456	-0.847922416	0.000320322	0.000786287	Rpl7a
ENSMUSG00000113749.1	1984.750772	-1.088615294	0.000320303	0.000786287	RP24-177N8.2
ENSMUSG000000021990.15	1764.268387	-1.023282738	0.000320587	0.000786856	Spata13
ENSMUSG00000110901.1	4.569630681	5.570044871	0.000320611	0.000786856	RP23-252J6.1
ENSMUSG000000038683.16	2893.326819	-0.594955298	0.000321188	0.000788199	Pak1ip1
ENSMUSG000000034520.14	2478.522414	-0.494376321	0.000321299	0.000788401	Gjc1
ENSMUSG000000059834.12	519.1072643	-0.483832297	0.000321358	0.000788475	Scit1
ENSMUSG0000000103697.1	77.42456884	-1.195842315	0.000321689	0.000789207	RP23-423B1.6
ENSMUSG00000103770.1	26.12538177	2.220802789	0.000321715	0.000789207	Pcdha9
ENSMUSG000000019528.18	1094.444242	0.635174227	0.00032298	0.00079224	Gyg
ENSMUSG000000045629.7	53.78623966	-1.526643957	0.000323505	0.000793457	Sh3tc2
ENSMUSG000000006471.18	311.7602873	-1.226961659	0.000324358	0.000795477	Ndor1
ENSMUSG000000003184.15	775.728132	-0.855133631	0.000324752	0.000796372	lrf3
ENSMUSG000000092243.8	266.4888184	-0.765523196	0.000325467	0.000798053	H2-T9
ENSMUSG00000108518.1	114.1590792	-1.072699285	0.000325771	0.000798726	RP23-457F4.3
ENSMUSG00000109310.1	93.28021199	-1.007239545	0.000325831	0.000798801	RP23-457H7.11
ENSMUSG000000038332.13	1179.855127	-0.464067336	0.000325885	0.000798862	Sesn1
ENSMUSG000000041215.16	3226.110986	-1.043041859	0.000326035	0.000799118	Yeats2
ENSMUSG0000000081153.1	477.394008	1.283155461	0.000326048	0.000799118	RP23-198N14.3
ENSMUSG000000044155.11	2033.765241	-0.682590758	0.000326211	0.000799446	Lsm8
ENSMUSG000000035513.19	119.9407744	1.222994672	0.00032691	0.000801086	Ntng2
ENSMUSG000000091105.1	1677.908883	-1.105944039	0.000329509	0.000807382	Mrto4-ps2
ENSMUSG000000030344.11	15.93046698	2.25586799	0.000329714	0.000807812	Akap3

ENSMUSG00000108823.1	871.6237102	-0.933564161	0.000329903	0.000808202	RP23-428N8.5
ENSMUSG00000114120.1	14.29450093	2.398713573	0.000330276	0.000809045	RP23-12J8.1
ENSMUSG00000046192.4	8.450329461	4.522723377	0.000330581	0.000809719	Iqub
ENSMUSG00000028699.9	6.782103923	5.126134719	0.000330993	0.000810656	Tspan1
ENSMUSG00000051716.6	34.22209798	1.393635491	0.000331914	0.000812836	Apon
ENSMUSG00000085779.1	5.76989892	5.891928897	0.000333318	0.000816202	Atcayos
ENSMUSG00000084093.1	674.1406097	1.444420496	0.000333797	0.000817301	AC161807.1
ENSMUSG00000027400.11	16.26649886	-2.235512945	0.000334087	0.000817938	Pdyn
ENSMUSG00000037995.15	2342.631103	0.61566181	0.000334323	0.000818368	Igsf9
ENSMUSG00000081226.1	59.52106621	1.157911798	0.000334295	0.000818368	AC133514.1
ENSMUSG00000001847.14	8400.089362	0.367490028	0.000334493	0.000818711	Rac1
ENSMUSG00000025171.1	217.9835115	0.829648268	0.000335167	0.000820288	Ubttd1
ENSMUSG00000115366.1	5.719662978	-5.06498265	0.000335419	0.000820831	RP23-64F2.3
ENSMUSG00000074830.4	9.244495758	-3.212209705	0.000336593	0.000823629	RP23-339L20.6
ENSMUSG00000097979.2	28.6046748	-1.875683486	0.000336658	0.000823715	RP24-363O21.2
ENSMUSG00000015599.9	930.3011741	1.52430252	0.000336766	0.00082383	Ttbk1
ENSMUSG00000028884.14	2709.383543	-0.865928771	0.000336764	0.00082383	Rpa2
ENSMUSG00000032563.16	2877.863993	-0.497789305	0.000337128	0.000824642	Mrp13
ENSMUSG00000115311.1	4.25264117	5.46651605	0.000337242	0.000824847	RP23-114J12.10
ENSMUSG00000034579.17	36.45486139	1.750418371	0.000337322	0.000824968	Pla2g3
ENSMUSG00000028755.3	41.80535809	-1.813582841	0.000337879	0.000826258	Cda
ENSMUSG00000057836.12	611.2340478	0.51458481	0.000338105	0.000826735	Xlr3a
ENSMUSG00000097910.2	4.967462684	5.67572247	0.000339103	0.000829102	RP24-459A4.7
ENSMUSG00000096987.1	14.81038417	-2.169290689	0.000339215	0.0008293	Gm26525
ENSMUSG00000115593.1	13161.6756	-0.830605621	0.000339906	0.000830915	RP23-376110.1
ENSMUSG00000083004.1	604.7560553	-0.889654269	0.000340087	0.000831284	RP23-375I1.2
ENSMUSG00000103561.1	4.377185412	5.509178212	0.000340914	0.000833229	RP24-239K20.1
ENSMUSG00000061616.5	4.226903738	5.459427765	0.000341631	0.000834908	Oifr12
ENSMUSG00000000823.16	2660.875631	1.070450101	0.000343468	0.000839322	Zfp512b
ENSMUSG00000031917.12	2862.162894	-0.758839118	0.000343523	0.00083938	Nip7
ENSMUSG00000084865.1	4.250313353	5.466314484	0.000344583	0.000841895	RP23-116I16.1
ENSMUSG00000114597.1	4.584176024	5.580096474	0.000345769	0.000844716	RP23-233O17.2
ENSMUSG00000116140.1	138.9968093	-1.008886055	0.000346648	0.000846787	RP23-310H3.4
ENSMUSG00000056412.6	874.9614837	0.91342612	0.000347302	0.000848309	RP23-135L5.5
ENSMUSG00000092617.1	32.15483026	-1.863928038	0.000347504	0.000848728	RP24-92P15.2
ENSMUSG00000097476.1	8.760887414	4.001121291	0.000347807	0.000849391	RP24-380G7.8
ENSMUSG00000082456.1	813.5630533	1.296806689	0.000348213	0.000850308	RP23-217I3.7
ENSMUSG00000022321.15	455.0202116	-1.309919641	0.00034847	0.000850826	Cdh10
ENSMUSG00000073208.12	4.967185741	5.696735391	0.000348488	0.000850826	Speer4c
ENSMUSG00000029998.14	3827.415553	0.723402259	0.000349244	0.000852595	Pcyox1
ENSMUSG00000050697.9	1503.193952	-0.809405688	0.00034954	0.000853241	Prkaa1
ENSMUSG00000039097.4	13.54375484	2.777386551	0.000350751	0.000856121	Foxl2
ENSMUSG00000074093.4	615.3666075	0.55403634	0.000351113	0.000856928	Svip
ENSMUSG00000097136.1	6.604056205	5.090266141	0.000352204	0.000859512	Gm26772
ENSMUSG00000078365.5	4.325710549	5.495198651	0.000352245	0.000859535	Mos
ENSMUSG00000109437.1	5.150254019	5.747431748	0.000352557	0.000860219	RP23-434A16.5
ENSMUSG00000080941.1	157.9379535	1.271935575	0.00035321	0.000861735	AC123063.1
ENSMUSG00000101279.1	3.985169782	-5.54192368	0.000353489	0.00086234	RP23-76P9.2
ENSMUSG00000097960.1	13.3865142	2.726509871	0.000354121	0.000863804	RP23-418H1.1
ENSMUSG00000034324.16	4.349120163	5.501950859	0.000354766	0.0008653	Tmem132c
ENSMUSG00000083391.2	20.73553613	-1.8476826	0.000355435	0.000866854	RP23-3112.4
ENSMUSG00000105167.1	10.33179657	-3.716653921	0.000356707	0.000869879	Snord43
ENSMUSG00000039450.11	18.52314368	2.51643529	0.000356989	0.000870489	Hsf12bp
ENSMUSG00000039315.15	7.563531607	-3.53355068	0.000357323	0.000871226	Clnk
ENSMUSG00000046750.17	18.54935901	2.374054952	0.000358342	0.00087363	AC148986.1
ENSMUSG00000043289.12	9.276771874	-3.446784523	0.000358403	0.000873702	Mei4
ENSMUSG00000026484.13	3952.01363	0.506569482	0.000359049	0.000875199	Rnf2
ENSMUSG00000022546.5	215.4461118	0.866355943	0.000359148	0.000875361	Gpt
ENSMUSG00000050855.16	625.5097435	-0.492427759	0.000359607	0.000876401	Zfp940
ENSMUSG00000039789.7	900.2069196	0.786280783	0.000359918	0.000877082	Zfp597
ENSMUSG00000061802.5	4.414627651	5.519457893	0.000360079	0.000877394	Armc4
ENSMUSG00000045813.7	120.1106607	1.193483969	0.000360666	0.000878747	RP23-238L7.1
ENSMUSG00000040452.9	267.5955267	0.733285554	0.000361197	0.000879961	Cdh12
ENSMUSG00000084006.1	13.83516717	-2.633365968	0.000362806	0.000883803	RP23-189N15.1
ENSMUSG00000054945.3	59.73441061	1.242486812	0.000363196	0.000884673	Gm9958
ENSMUSG00000108146.1	8.846235351	6.512885526	0.000363768	0.000885988	RP24-133O13.1
ENSMUSG00000064586.1	5.669277011	5.868761338	0.000364513	0.000887723	Gm25132
ENSMUSG00000039450.11	110.0030943	1.362370359	0.000364874	0.000888522	Dcxr
ENSMUSG00000103094.1	19.48245615	3.508640841	0.000365086	0.000888958	RP23-46L5.1
ENSMUSG00000009596.9	6.29798184	5.036675842	0.000365606	0.000890147	Taf7l
ENSMUSG00000022512.3	38.91270903	1.440380897	0.000365885	0.000890744	Cldn1
ENSMUSG00000025885.18	182.5398954	1.168602933	0.000365996	0.000890935	Myo5b
ENSMUSG00000111521.1	46.02768467	2.201375671	0.000367299	0.000894028	RP23-228B2.5
ENSMUSG00000085633.1	8.033507702	4.437360533	0.000367506	0.000894451	Bloc1s6os
ENSMUSG00000025417.8	1136.449186	-0.657783537	0.000367961	0.00089548	Pip4k2c
ENSMUSG00000103585.1	281.250558	1.951696057	0.00036987	0.000900046	Pcdhgb4
ENSMUSG00000055575.16	3144.54529	0.622969548	0.000370948	0.000902586	Ube2m
ENSMUSG00000055932.15	4137.681631	0.802885326	0.000371137	0.000902966	Fto
ENSMUSG00000104330.1	4.151506542	5.429399035	0.000371447	0.000903639	RP24-142E6.2
ENSMUSG00000082043.1	108.8272259	-1.02081439	0.000371662	0.000904083	RP23-118K16.6
ENSMUSG00000110105.1	23.51493999	2.647705299	0.00037183	0.000904411	RP24-77E13.10
ENSMUSG00000055632.18	10.042829	3.378913978	0.000371869	0.000904425	Hmcn2
ENSMUSG00000042604.5	40.25196933	1.46076929	0.000371921	0.000904469	Kcna4

ENSMUSG00000077493.1	10.8233285	-3.040460005	0.000371965	0.000904496	Snord91a
ENSMUSG00000061544.13	574.9158713	0.590936467	0.000372484	0.000905678	Zfp229
ENSMUSG00000029684.14	2555.084761	-0.677668749	0.000373155	0.000907228	Wasl
ENSMUSG00000102189.1	129.18942	-1.001557178	0.00037352	0.000908035	RP23-448H3.2
ENSMUSG00000096299.3	57.00607239	-1.749823243	0.000376501	0.000915201	CH25-625A20.1
ENSMUSG00000037492.16	277.7359067	0.768009639	0.000376887	0.000916057	Zmat4
ENSMUSG00000064109.8	6.092507122	4.97334443	0.000377599	0.000917679	Hcst
ENSMUSG00000111067.1	20.7308572	-2.704526631	0.000377622	0.000917679	RP24-220H23.2
ENSMUSG00000037236.14	19335.64437	0.410055171	0.000378857	0.000920598	Matr3
ENSMUSG00000031821.11	1740.415098	-0.842156606	0.000378891	0.000920599	Gins2
ENSMUSG00000097618.1	14.00837074	3.612872709	0.000379605	0.00092225	Gm26507
ENSMUSG00000052423.14	1435.987721	0.473259213	0.000379894	0.000922871	B4galt3
ENSMUSG00000094249.2	427.2919544	1.10015514	0.00038104	0.000925571	RP23-273K11.2
ENSMUSG00000103785.1	22.82663497	2.353990338	0.00038227	0.000928477	RP24-571H12.4
ENSMUSG00000025354.5	2018.60858	0.630763196	0.000382583	0.000929154	Dnajc14
ENSMUSG00000081316.1	20.60356632	-2.687425939	0.000384115	0.000932792	AC129334.1
ENSMUSG00000032495.8	16.0753999	-2.975140304	0.000385906	0.000937057	Lrrc2
ENSMUSG00000103115.1	75.93723413	0.977080345	0.000386666	0.000938819	RP23-398K14.4
ENSMUSG00000107483.1	7.505190355	3.734646516	0.000386714	0.000938853	RP23-140M6.2
ENSMUSG00000039354.16	1234.452932	-0.569186495	0.000388934	0.000944158	Smarcal1
ENSMUSG00000089940.1	19.60305894	2.206358605	0.000389001	0.000944236	RP24-163G22.1
ENSMUSG00000037742.14	191441.4223	-0.599342031	0.000389075	0.000944333	Eef1a1
ENSMUSG00000090558.1	7.826851366	3.808422439	0.000391055	0.000948972	RP24-486L9.1
ENSMUSG00000107944.1	9.644102713	4.132098466	0.000391056	0.000948972	RP23-337M7.12
ENSMUSG00000033272.12	1871.667347	-0.425040726	0.00039216	0.000951564	Slc35a4
ENSMUSG00000107756.1	64.57122298	-1.14860869	0.00039223	0.000951649	RP24-359O2.7
ENSMUSG00000093800.2	104.5948789	-2.675722148	0.000393033	0.000953513	AC140205.5
ENSMUSG00000056145.5	399.3353969	-0.929125195	0.000393449	0.000954438	RP23-469H5.1
ENSMUSG00000097784.1	61.02961109	1.175988589	0.000393813	0.000955236	RP23-67H24.1
ENSMUSG00000111209.1	16.28715843	-2.138701623	0.000394066	0.00095568	RP23-323P3.1
ENSMUSG00000112307.1	10.1837157	5.725267793	0.000394048	0.00095568	RP24-125F23.4
ENSMUSG00000099634.1	199.9544048	-0.72535409	0.000394265	0.000956076	RP23-2217.2
ENSMUSG00000078762.10	195.2942463	-0.684842131	0.000394313	0.000956109	Haus5
ENSMUSG00000090083.10	446.0061529	1.235170837	0.000394772	0.000957137	Rnf8
ENSMUSG000000081157.1	634.4170543	-1.010053515	0.00039527	0.000958257	RP23-114N20.1
ENSMUSG00000026121.13	1706.519763	1.058377655	0.000397709	0.000964084	Sema4c
ENSMUSG00000024413.13	1726.635507	-1.084114147	0.000398793	0.000966626	Npc1
ENSMUSG00000103540.1	4.163211349	5.432937218	0.000402802	0.000976257	RP24-531A1.2
ENSMUSG00000040761.16	3707.037752	-1.582921655	0.000404563	0.000980437	Spn
ENSMUSG00000074881.4	10.32657648	3.135068829	0.000406016	0.000983872	Mageb3
ENSMUSG00000075020.6	190.5502632	1.148631128	0.000406526	0.00098502	RP23-201G13.1
ENSMUSG00000097867.1	40.57051297	1.590663481	0.00040703	0.000986154	Lppos
ENSMUSG00000027248.13	23817.08099	-0.436288688	0.00040893	0.000990669	Pdia3
ENSMUSG00000062542.11	518.1555655	-0.828047252	0.000410957	0.000995491	Syt9
ENSMUSG00000107015.1	9.316648395	3.627587749	0.000412427	0.000998964	RP24-80F7.6
ENSMUSG00000030882.19	68.42578404	1.959577158	0.000412656	0.000999428	Dnhd1
ENSMUSG00000034333.15	2665.712438	-1.029572267	0.000413253	0.01000696	Zbed4
ENSMUSG00000089670.1	805.894105	-1.286421123	0.00041323	0.01000696	RP23-16N14.1
ENSMUSG00000053031.15	4.532188442	5.559661029	0.000414014	0.01002451	C8a
ENSMUSG00000042385.14	4.45206989	5.5297841	0.000415234	0.01005316	Gzmk
ENSMUSG00000046518.3	4.328038366	5.495068769	0.000415366	0.01005546	Ferd3l
ENSMUSG00000039438.7	14.03241102	3.411634856	0.000416012	0.0100702	Ttc36
ENSMUSG00000083889.4	7.722929114	4.421900911	0.000416131	0.01007219	RP23-82A12.3
ENSMUSG00000049246.5	457.8092102	-1.403682767	0.000417492	0.01010423	Hspe1-ps2
ENSMUSG00000049728.14	741.7506887	0.475714461	0.000418684	0.01013217	Zfp668
ENSMUSG00000089901.1	32.80233097	1.876182367	0.00041935	0.0101474	RP23-78F6.3
ENSMUSG00000007613.15	6587.454792	0.868810423	0.000420443	0.01017294	Tgfb1
ENSMUSG00000028898.15	1460.820148	0.952366262	0.000420927	0.01018375	Trnau1ap
ENSMUSG00000043664.7	7.469624595	-3.472217715	0.000421744	0.01020261	Tmem221
ENSMUSG00000063410.8	1037.284085	-1.254732538	0.000422094	0.01021017	Stk24
ENSMUSG00000102424.2	7.70797233	3.785416467	0.00042217	0.01021109	Paupar
ENSMUSG00000087636.1	4.362127351	5.490524997	0.000423066	0.01023185	RP24-79L6.1
ENSMUSG00000064694.1	8.003778766	4.468247085	0.000423217	0.0102346	Gm24146
ENSMUSG00000075486.10	500.4582108	0.833822146	0.000423905	0.01025032	Commdd6
ENSMUSG00000101698.1	14.72300015	2.191868701	0.000424454	0.01026268	RP23-229N10.1
ENSMUSG00000039633.6	942.9073891	-0.842386127	0.000424493	0.01026273	Lonrf1
ENSMUSG00000102579.1	6.40616564	5.063088353	0.000424699	0.0102668	RP24-204F16.4
ENSMUSG000000042286.13	8.960828853	4.037656304	0.000424995	0.01027305	Stab1
ENSMUSG00000103467.1	5.676200622	-5.053248442	0.00042614	0.01029979	RP24-288J3.1
ENSMUSG00000029767.16	11702.43536	-0.389272094	0.000427185	0.01032415	Calu
ENSMUSG00000028923.14	1087.833373	-0.447207948	0.00042786	0.01033953	Necap2
ENSMUSG00000116740.1	8.349194832	4.50196759	0.000428957	0.01036512	RP24-225M1.6
ENSMUSG00000020340.16	5606.091871	1.139151903	0.000430427	0.01039972	Cyfp2
ENSMUSG00000024143.14	1062.782294	0.657233371	0.00043057	0.01040226	Rhoq
ENSMUSG00000084235.2	2638.319241	-1.173842294	0.000430712	0.01040476	AC121548.2
ENSMUSG00000108825.1	27.28722527	-2.115030571	0.000431128	0.0104139	RP24-252B21.3
ENSMUSG00000068506.3	4.28957069	5.46924261	0.000431299	0.01041709	RP23-115K1.2
ENSMUSG00000049305.6	1526.123613	0.4269787	0.00043175	0.01042707	Ccdc71
ENSMUSG00000108035.1	10.98272363	2.985581074	0.000432271	0.01043872	RP23-251M14.4
ENSMUSG00000059119.9	7554.538038	0.535988348	0.000432339	0.01043945	Nap1l4
ENSMUSG00000006134.4	3215.108201	-1.009889716	0.000433624	0.01046955	Crkl
ENSMUSG00000043168.12	75.11812161	1.423642334	0.000434404	0.01048745	AC140283.1
ENSMUSG00000049091.6	3116.314882	-0.87129641	0.000434522	0.01048843	Sephs2

ENSMUSG0000011837.1	18.66618636	2.377923817	0.000434487	0.001048843	RP23-361B11.3
ENSMUSG00000007338.9	2314.070513	-0.619763525	0.000434788	0.001049393	Mrpl49
ENSMUSG000000051149.15	39.29603332	-1.913550704	0.000437617	0.001056128	Adnp
ENSMUSG00000104342.1	81.34431806	-1.101122006	0.000437953	0.001056845	RP23-7E4.2
ENSMUSG00000004285.12	3355.237482	1.094919922	0.000438252	0.001057473	Atpv1f
ENSMUSG000000045284.9	1440.759022	-0.472393643	0.000438308	0.001057514	Dcaf121i
ENSMUSG000000038302.14	168.1276258	0.706402769	0.000438628	0.001058193	Lace1
ENSMUSG000000097346.1	65.66409976	1.418415187	0.000438882	0.001058712	RP23-79J21.2
ENSMUSG000000029861.17	1087.511715	0.830593846	0.00044013	0.001061626	Fam131b
ENSMUSG000000074771.10	25.4836821	-1.602073596	0.000440562	0.001062576	Ankef1
ENSMUSG000000025330.6	39.97472203	-1.395576617	0.000440644	0.00106268	Padi4
ENSMUSG000000072660.5	15.50278489	2.987871953	0.000441472	0.001064582	RP23-86B3.1
ENSMUSG000000021775.11	643.7675335	-0.738786669	0.000442483	0.001066924	Nr1d2
ENSMUSG000000068323.12	19.24555524	-1.803208692	0.000443852	0.001070132	Slc4a5
ENSMUSG00000113300.1	11.85296344	3.0880981	0.000444645	0.001071948	RP24-404P19.3
ENSMUSG000000020687.13	4632.74654	-0.928535923	0.0004453	0.001073433	Cdc27
ENSMUSG000000098784.1	10.31484531	4.243928892	0.000446477	0.001076175	RP24-175114.4
ENSMUSG000000027694.9	1393.953926	-0.754618881	0.000447278	0.00107801	RP24-418L2.1
ENSMUSG00000112922.1	134.5857134	1.345826544	0.000447403	0.001078216	RP24-406115.4
ENSMUSG000000037336.14	25.93343187	1.645996623	0.000448276	0.001080224	Mfsd2b
ENSMUSG00000083512.1	212.2855174	-1.063018974	0.000449087	0.001082082	RP23-110H24.1
ENSMUSG000000067547.6	5444.928222	-0.796405559	0.000450357	0.001085047	AC158901.1
ENSMUSG000000021118.7	8.582191867	-3.763426832	0.000450422	0.001085107	Plek2
ENSMUSG000000014856.12	1346.056418	1.19230236	0.000450501	0.001085203	Tmem208
ENSMUSG000000026349.14	4197.68735	-0.830446759	0.00045157	0.001087584	Ccnt2
ENSMUSG000000074284.6	34.74216649	-2.282274076	0.000451545	0.001087584	RP23-340E1.2
ENSMUSG000000053347.14	422.064482	0.706752903	0.000452498	0.001089723	Zfp943
ENSMUSG000000097162.2	35.67023349	1.651322536	0.000452673	0.001090049	RP24-344N22.1
ENSMUSG000000024957.8	9.791163061	4.121041794	0.000453875	0.001092847	Kcnk4
ENSMUSG00000102139.1	4.338717736	5.483715811	0.000454184	0.001093494	RP24-483O2.1
ENSMUSG00000000700.11	1906.234294	-1.262422514	0.000454936	0.001095208	Map3k3
ENSMUSG00000100913.1	74.50489422	-1.052707696	0.000455247	0.00109586	RP23-219C1.1
ENSMUSG000000036555.14	678.0967633	0.788951332	0.000456251	0.001098178	lqce
ENSMUSG000000005774.12	380.1758927	-1.133033741	0.000456719	0.001099015	Rfx5
ENSMUSG000000002841.13	4327.462805	-1.026733946	0.000456719	0.001099015	Mrto4
ENSMUSG000000074634.12	216.4746277	0.87600752	0.000456694	0.001099015	Tmem267
ENSMUSG000000022790.14	37.71334679	1.412773517	0.000457093	0.001099818	Igsf11
ENSMUSG000000066952.11	13.4756809	-2.875649348	0.000457206	0.001099991	Myo1h
ENSMUSG00000110945.1	120.2729253	0.902464773	0.000457271	0.001100051	RP23-453B15.7
ENSMUSG000000081264.1	13.46763513	3.089569126	0.000457567	0.001100665	RP23-413G24.1
ENSMUSG000000020423.6	541.9237693	0.557787914	0.000458408	0.001102591	Btg2
ENSMUSG0000000116930.1	4.174916156	5.436510893	0.000459041	0.001104016	RP23-145F16.2
ENSMUSG00000109930.1	11.77678663	-2.988152723	0.000459482	0.001104979	RP24-198O18.1
ENSMUSG000000033453.8	1312.418391	0.540316565	0.000460117	0.001106408	Adamts15
ENSMUSG000000086032.1	4.166051885	5.441232042	0.000460951	0.001108316	AC130680.15
ENSMUSG000000025231.16	1461.990241	-0.914542743	0.000461084	0.001108539	Sufu
ENSMUSG000000021629.10	2462.789379	-0.400509972	0.000461292	0.00110894	Slc30a5
ENSMUSG000000046185.10	431.1161403	-0.876346055	0.000462573	0.001111922	Zfp84
ENSMUSG000000035240.1	24.88035675	1.565405296	0.000462786	0.001112336	RP23-326K2.4
ENSMUSG000000037683.14	8.252946267	3.857519105	0.000462911	0.001112539	Armc3
ENSMUSG000000071112.12	56.11010712	1.106003864	0.000462981	0.001112609	Spx
ENSMUSG000000021606.8	2071.444824	1.426325137	0.000463117	0.001112738	Ndufs6
ENSMUSG00000110408.1	5.846275038	4.918616797	0.000463082	0.001112738	RP23-357C16.1
ENSMUSG000000032965.11	732.1196502	0.521091312	0.000464058	0.001114901	lft57
ENSMUSG000000032330.7	5320.594287	1.280868637	0.000464118	0.001114947	Cox7a2
ENSMUSG000000035666.14	3309.100747	-0.727158752	0.000464371	0.001115458	Gtf3c4
ENSMUSG000000091386.2	4.101846777	5.406265284	0.000464905	0.001116642	Olfra443-ps1
ENSMUSG00000104641.1	16.06428492	3.16163559	0.000465378	0.001117677	RP23-477N9.4
ENSMUSG000000082740.1	135.1431135	0.727483951	0.000465808	0.001118611	RP23-369H9.2
ENSMUSG000000037640.15	1939.186493	0.77399657	0.000467147	0.001121163	Zfp60
ENSMUSG000000097986.2	7.123268456	4.286887192	0.000467139	0.00112163	RP24-317K11.2
ENSMUSG000000046694.6	134.8729094	-0.840357705	0.000467465	0.001122295	Fam46b
ENSMUSG000000036904.5	327.4673763	0.814282376	0.000471763	0.001132501	Fzd8
ENSMUSG00000105156.1	435.0396217	-0.546757411	0.000471799	0.001132501	RP23-258C13.1
ENSMUSG000000033157.17	1231.219181	0.581694843	0.000471944	0.001132748	Abhd10
ENSMUSG00000007041.9	2099.57442	0.688764991	0.000472273	0.001133439	Clic1
ENSMUSG00000112969.1	56.20888775	-1.274728664	0.00047304	0.001135179	RP24-358N14.1
ENSMUSG000000079436.3	5.931049225	4.94335552	0.000473193	0.001135446	Kcnj13
ENSMUSG000000027479.14	10796.78013	0.355739695	0.000473433	0.001135922	Mapre1
ENSMUSG000000046160.6	21.81393593	2.555873832	0.000473495	0.001135971	Olig1
ENSMUSG000000083536.1	285.7687457	-0.906152191	0.000473709	0.001136384	RP23-231E23.3
ENSMUSG000000081173.1	48.22452555	-1.140300857	0.00047507	0.001139549	RP23-355H24.2
ENSMUSG000000022657.9	4.142129552	5.425998447	0.000475323	0.001140054	Cd96
ENSMUSG000000036779.12	2455.27366	-0.817464294	0.000475633	0.001140699	Papd5
ENSMUSG000000017485.11	9081.487026	0.777121871	0.000475857	0.001141134	Top2b
ENSMUSG00000103042.1	38.08993532	2.042334084	0.000477731	0.001145529	RP23-45H9.13
ENSMUSG000000020225.10	1401.827111	0.762932683	0.000479158	0.00114885	Tmbim4
ENSMUSG000000074506.4	1717.305738	-0.468215047	0.000479368	0.001149251	RP23-145A18.7
ENSMUSG000000075359.2	796.7535763	-0.877302884	0.000479699	0.001149943	RP24-571D15.1
ENSMUSG000000027599.9	3023.424896	-0.562665464	0.0004806	0.001152002	Armc1
ENSMUSG000000036330.12	88.63865535	-0.849373144	0.000481363	0.001153729	Slc18a1
ENSMUSG000000060904.14	3513.13936	0.404705821	0.000482216	0.001155672	Ar11
ENSMUSG00000109836.1	27.92347139	3.174652411	0.000483341	0.001158267	RP24-464B16.1

ENSMUSG00000020061.17	14.54379785	2.181851671	0.000485029	0.001162209	Mybpc1
ENSMUSG00000102175.1	50.41268668	-1.399788766	0.000485171	0.001162382	RP23-34E15.2
ENSMUSG00000111929.1	5.802132687	4.91093635	0.000485186	0.001162382	RP23-359K10.9
ENSMUSG00000097377.1	7.553594255	4.372326586	0.000485715	0.001163546	Gm10822
ENSMUSG00000039452.6	35.0486058	1.505680665	0.000486732	0.00116588	Snx22
ENSMUSG00000032637.15	6017.070351	-1.350589313	0.000486993	0.001166404	Atxn2l
ENSMUSG00000065694.1	6.511672563	5.08663117	0.000487126	0.001166618	Gm25411
ENSMUSG00000101751.1	5.498063873	-5.008889423	0.000488189	0.001169061	RP23-6O16.1
ENSMUSG00000049744.15	5.954442974	4.945787576	0.000489432	0.001171936	Arhgap15
ENSMUSG00000093505.1	220.8974762	-1.450787186	0.000489661	0.00117238	RP24-399B3.1
ENSMUSG00000105472.1	5.511464098	-5.011849867	0.000489911	0.001172876	RP23-200E11.1
ENSMUSG00000019838.11	742.2862924	-0.664045879	0.000490509	0.001174168	Slc16a10
ENSMUSG00000026398.14	42.24944696	1.499965547	0.000490537	0.001174168	Nr5a2
ENSMUSG00000062007.13	5.146045383	5.748920005	0.00049193	0.001177336	Hsh2d
ENSMUSG00000086765.7	10.41570923	2.684107428	0.000491947	0.001177336	RP23-343F17.1
ENSMUSG00000034607.6	15.12250185	-2.48857293	0.00049222	0.001177886	Pof1b
ENSMUSG00000029127.15	313.8389855	0.639709309	0.000493112	0.001179918	Zbtb49
ENSMUSG00000049800.13	1232.291844	-0.73747406	0.000494186	0.001182384	Sertad2
ENSMUSG00000084880.1	22.85658333	2.040181717	0.000495093	0.001184449	Tomm6os
ENSMUSG00000034390.16	2169.460083	1.002504535	0.000495189	0.001184575	Cmp1
ENSMUSG00000049807.16	860.20988	0.922837196	0.000495729	0.001185763	Arhgap23
ENSMUSG00000021707.5	3405.0838	-0.767860787	0.000498661	0.001192567	Dhfr
ENSMUSG00000088549.1	16.9620088	3.277361686	0.000498656	0.001192567	Gm24959
ENSMUSG00000035875.15	19.01275152	1.959524352	0.000498823	0.001192849	RP23-223C17.3
ENSMUSG00000099902.1	944.2538919	-0.82661726	0.000499827	0.001195145	RP23-323L8.3
ENSMUSG00000046541.9	204.2836129	-1.290496369	0.000500024	0.001195512	Zfp526
ENSMUSG000000097141.2	51.54688062	1.859124355	0.000500272	0.001195999	RP24-192J22.1
ENSMUSG00000112188.1	8.037502825	4.447247414	0.000501058	0.001197773	RP24-458J4.8
ENSMUSG00000023473.12	1937.565347	1.347659658	0.000501114	0.001197801	Celsr3
ENSMUSG00000030319.8	2765.446156	-1.260261594	0.000501517	0.001198659	Cand2
ENSMUSG00000108528.1	1487.474205	-0.729559527	0.000501577	0.001198698	RP24-269P21.1
ENSMUSG00000067768.12	51.86252327	1.345274504	0.000502015	0.00119964	Xlr4b
ENSMUSG00000036270.16	2962.749039	-0.463896125	0.00050217	0.001199904	Edc4
ENSMUSG00000028478.18	7703.462743	0.936786648	0.000504422	0.00120518	Ctla
ENSMUSG00000100750.1	20.0482586	1.849035672	0.000506591	0.001210256	RP23-20G7.4
ENSMUSG00000079562.7	5325.252611	0.391553625	0.000509459	0.001217001	Maea
ENSMUSG00000004668.14	40.71796552	2.108952294	0.000509839	0.001217515	Abca13
ENSMUSG00000085798.1	6.360135024	6.050700949	0.000509853	0.001217515	RP23-205A9.3
ENSMUSG00000093816.1	110.680615	1.490066085	0.000509802	0.001217515	Gm26445
ENSMUSG00000102114.2	10.08876702	-2.898546983	0.000509838	0.001217515	RP23-205H11.1
ENSMUSG00000030554.16	357.9657943	1.033566319	0.00051002	0.001217807	Sym
ENSMUSG00000024392.11	74.63949961	-1.128565576	0.000511393	0.001220098	Spata24
ENSMUSG00000057672.16	1481.598323	0.75154154	0.000511948	0.001222196	Pkn1
ENSMUSG00000066878.4	17383.01442	-0.474609627	0.000512138	0.001222543	Gm10184
ENSMUSG00000061286.7	941.2193253	-0.902896508	0.000513096	0.001224724	Exosc5
ENSMUSG00000108429.1	6.531498496	6.088453275	0.0005137	0.001226058	RP24-316O13.2
ENSMUSG00000082693.3	216.5866686	0.914305803	0.000516339	0.001232248	RP23-39I7.5
ENSMUSG00000096968.1	17.7602714	2.013337838	0.000516977	0.001233662	Gm26620
ENSMUSG00000038533.15	2186.084498	-0.906403342	0.000517101	0.00123385	Cbfa2t2
ENSMUSG00000031706.7	703.2463942	-1.061076282	0.000517259	0.001234118	Rfx1
ENSMUSG00000031684.11	454.5573432	-0.903801315	0.000517503	0.001234593	Slc10a7
ENSMUSG00000025401.9	44.63614988	-1.272660392	0.000518178	0.001236081	Myo1a
ENSMUSG00000100113.1	9.889162615	3.721333669	0.000518218	0.001236081	RP23-231M6.2
ENSMUSG00000114420.1	9.666130413	-2.750438064	0.000520174	0.00124064	RP23-170I24.6
ENSMUSG00000005615.15	1953.362362	0.595878474	0.000521054	0.001242629	Pcyl1a
ENSMUSG00000053914.9	9.077799727	3.234441417	0.000521113	0.00124266	Kdm4d
ENSMUSG00000038457.17	3.820449123	-5.480520161	0.000521292	0.00124298	Tmem255b
ENSMUSG00000025085.16	808.8811822	0.990142006	0.00052157	0.001243534	Ablim1
ENSMUSG00000082272.1	1048.279353	-1.004794408	0.000522342	0.001245266	RP23-185J21.1
ENSMUSG00000022475.19	605.4229332	0.830268512	0.00052259	0.001245747	Hdac7
ENSMUSG00000030834.7	11.8831582	2.381886407	0.000522833	0.001246218	Abcc6
ENSMUSG00000037440.8	4.266673795	5.469901243	0.000523486	0.001247666	Vnn1
ENSMUSG00000002602.16	415.0121953	0.692398607	0.000524073	0.001248954	Axl
ENSMUSG00000040690.15	70.75087851	1.041203801	0.000524324	0.001249335	Col16a1
ENSMUSG00000084274.2	177.3973555	-0.747890424	0.000524324	0.001249335	RP23-209M8.8
ENSMUSG00000033361.13	711.7457568	1.033927214	0.000524556	0.001249778	Prrg3
ENSMUSG00000028901.13	1296.351157	-0.681438858	0.00052502	0.001250773	Gmeb1
ENSMUSG000000089965.1	3.878893832	-5.498894314	0.000525104	0.001250865	AC104747.2
ENSMUSG00000033295.14	11157.0513	-0.895963494	0.000526578	0.001254266	Ptprf
ENSMUSG00000022521.10	3726.684286	-0.483802998	0.00052686	0.001254827	Crebbp
ENSMUSG00000083502.1	4.285313933	-5.640772974	0.000527235	0.00125561	RP23-11P22.8
ENSMUSG00000074476.6	1386.285273	-0.971017382	0.000529386	0.001260564	Spc24
ENSMUSG00000115956.1	6.122752395	4.97777733	0.000529407	0.001260564	Hoxd4
ENSMUSG00000049985.15	4.752698959	5.62541832	0.000531303	0.001264968	Ankrd55
ENSMUSG00000006166.6	713.9789832	1.00803715	0.000534439	0.001272323	Zdhc8
ENSMUSG00000115003.1	7.695257951	3.781399897	0.000534884	0.001273271	RP23-337O1.6
ENSMUSG00000111089.1	4.645817539	5.578973048	0.000536595	0.001277232	RP24-233B16.4
ENSMUSG00000045679.14	51.41348935	-1.105639111	0.000537083	0.001278283	Pqlc3
ENSMUSG000000083776.13	137.8805631	0.77432632	0.000537377	0.00127887	Ephx1
ENSMUSG00000116557.1	4.076622064	5.407240573	0.000538075	0.00128042	RP23-117J21.2
ENSMUSG00000074841.2	528.2245323	-0.727032756	0.000539005	0.001282521	RP23-4G2.11
ENSMUSG00000054717.7	10138.77036	-0.844377759	0.000539512	0.001283615	Hmgb2
ENSMUSG00000043439.5	1658.138893	-0.810183541	0.000540235	0.001285222	Epop

ENSMUSG00000045503.16	1179.742918	0.956682347	0.000540302	0.001285269	Sys1
ENSMUSG00000035506.16	18.19333166	2.070929345	0.000541477	0.001287952	Slc12a8
ENSMUSG00000030094.8	1712.697651	0.55536646	0.000541559	0.001288034	Xpc
ENSMUSG00000036053.17	2829.102816	-1.16407964	0.000541839	0.001288588	Fmnl2
ENSMUSG00000020922.11	5586.261402	-0.486953003	0.000544237	0.001294178	Lsm12
ENSMUSG00000042631.7	115.9651352	2.08813224	0.000544591	0.001294908	Xkr7
ENSMUSG00000099647.1	867.3218852	0.983217607	0.000545051	0.001295887	AC127338.1
ENSMUSG00000021638.12	156.441541	0.802492884	0.000545687	0.001297287	Ocln
ENSMUSG00000044681.13	3.893041067	5.333399746	0.000546031	0.001297991	Sptssb
ENSMUSG00000003198.10	427.4819476	-0.508746294	0.000546769	0.001299631	Zfp959
ENSMUSG00000103037.1	74.60991972	1.861605061	0.000547199	0.001300541	Pcdhgb1
ENSMUSG00000114422.1	6.152846257	4.980473321	0.000548007	0.001302347	RP24-502H6.2
ENSMUSG00000046691.13	4652.526042	-0.538312962	0.000548314	0.001302964	Chtf8
ENSMUSG00000114152.1	54.49849586	-1.544781983	0.000548646	0.001303639	RP23-9C19.4
ENSMUSG00000020848.7	48.91601211	1.529208115	0.000548942	0.001304228	Doc2b
ENSMUSG000000085843.1	51.94680561	-1.178495625	0.000549923	0.001306446	Kank4os
ENSMUSG00000020091.15	9304.984778	-0.821887581	0.000550242	0.001307088	Eif4ebp2
ENSMUSG00000103967.1	17.18097089	2.276334808	0.000551219	0.001309296	RP23-46B12.7
ENSMUSG00000030525.8	219.439923	-1.982721926	0.000552734	0.00131278	Chrna7
ENSMUSG00000044681.19	354.1487938	-0.905867679	0.00055287	0.001312988	Cnpy1
ENSMUSG00000073403.11	105.1872056	-0.850314668	0.000553355	0.001314025	RP23-108F2.16
ENSMUSG00000042962.5	2583.61196	1.096663272	0.00055377	0.001314896	RP23-46D6.5
ENSMUSG00000114206.1	8.00306812	3.822291276	0.000553919	0.001315136	RP23-213B1.2
ENSMUSG00000039959.13	5103.967003	-1.115718749	0.00055493	0.001317421	Hip1
ENSMUSG00000103947.1	4.140314453	5.433456151	0.000555403	0.001318428	RP23-388A19.4
ENSMUSG00000064952.1	13.25703631	3.288137525	0.000555514	0.001318577	Gm24920
ENSMUSG00000044533.15	6097.100919	-0.918200748	0.000555817	0.001319181	Rps2
ENSMUSG00000052776.10	23.45169906	-1.584900921	0.000556519	0.001320732	Oas1a
ENSMUSG00000066487.3	5952.925034	-0.931369569	0.000557088	0.001321853	RP23-457N11.7
ENSMUSG00000108478.1	5.011164434	5.703140131	0.000557049	0.001321853	RP23-52F4.1
ENSMUSG00000056987.8	10.41471339	3.14576093	0.000557198	0.001321999	Fam71d
ENSMUSG00000041642.18	3065.843193	1.148089511	0.000557841	0.001323408	Kif21b
ENSMUSG00000059481.4	9.895132217	2.599891686	0.000558574	0.001325033	Plg
ENSMUSG00000005107.13	7.882154075	3.78766654	0.000559242	0.001326502	Slc2a9
ENSMUSG00000028199.18	540.1512373	-0.490354104	0.000560759	0.001329868	Cryz
ENSMUSG00000090594.1	5.672567884	4.872283237	0.000560741	0.001329868	RP23-262F9.10
ENSMUSG00000017747.13	1050.013878	0.825191971	0.00056127	0.001330964	Ghdc
ENSMUSG00000103343.1	3.652305898	-5.415227782	0.000561569	0.001331559	RP24-188H2.3
ENSMUSG00000028946.7	11.79521685	3.127189368	0.000561849	0.00133199	Hes3
ENSMUSG00000033715.15	31.23149271	-2.276887554	0.000561835	0.00133199	Akr1c14
ENSMUSG00000022304.13	7.649954616	3.753094432	0.000563368	0.001335475	Dpys
ENSMUSG00000069920.10	31.35191104	1.55919218	0.00056343	0.001335506	B3gnt9
ENSMUSG00000084771.8	22.98964196	1.944117087	0.0005641	0.001336976	RP23-105P9.3
ENSMUSG00000025135.12	2918.805067	0.986470638	0.000564769	0.001338446	Anapc11
ENSMUSG00000033080.9	4.198502511	-5.615119402	0.000565136	0.0013392	Vsx1
ENSMUSG00000104508.1	12.19139995	3.4305733	0.000566644	0.001342655	RP24-393F8.2
ENSMUSG00000113060.1	10.79539957	4.918675006	0.000566998	0.001343378	RP23-338N2.13
ENSMUSG00000076038.1	113.9411774	1.4887746	0.000568294	0.001346331	Gm22774
ENSMUSG00000110715.1	179.4135354	-0.845743807	0.000568458	0.001346604	RP23-83G5.2
ENSMUSG00000022748.8	765.2697406	-1.066069914	0.000569255	0.001348375	Cmss1
ENSMUSG00000020287.15	1213.677136	0.560146245	0.000570381	0.001350922	Mpg
ENSMUSG00000056116.18	384.5560232	-0.791784736	0.000570918	0.001352078	H2-T22
ENSMUSG00000080974.2	90.02065035	-0.823054604	0.000571582	0.001353533	RP23-162P18.4
ENSMUSG0000004945.15	1772.813281	0.848152838	0.000571672	0.001353628	Tmem242
ENSMUSG00000083356.1	27.30165452	-1.63296535	0.000571895	0.001354039	RP23-170A23.6
ENSMUSG00000103486.1	10.34188484	3.744506237	0.000572482	0.00135531	RP24-78F21.3
ENSMUSG00000101849.1	8.348888288	3.465760085	0.00057257	0.0013554	RP23-346J11.1
ENSMUSG00000034810.7	168.5764714	0.776050267	0.000573229	0.001356842	Scn7a
ENSMUSG00000022110.13	1823.005893	0.587916887	0.000574606	0.001359984	Sucla2
ENSMUSG000000081578.2	232.8606025	-0.637013137	0.000576759	0.001364962	RP23-278121.8
ENSMUSG00000018809.2	574.5784253	-0.58736082	0.000578925	0.001369969	Smyd4
ENSMUSG00000045087.8	23.16720992	2.271173438	0.000579495	0.001371198	S1pr5
ENSMUSG00000110251.1	14.98081317	-3.594780151	0.000579907	0.001372053	RP24-306C18.10
ENSMUSG00000040866.13	22.00853636	1.724038226	0.000580691	0.001373789	Rsph6a
ENSMUSG00000041649.13	612.0257004	-0.83464246	0.000581364	0.001375199	Klf8
ENSMUSG00000087535.2	8.15901862	3.891056909	0.000581388	0.001375199	Zmiz1os1
ENSMUSG00000070643.11	958.2595246	-0.87012387	0.00058182	0.001376101	Sox13
ENSMUSG00000021256.5	402.9392738	1.68082477	0.000582583	0.001377786	Vash1
ENSMUSG00000092365.2	30.59611253	1.566893631	0.000582922	0.001378468	RP23-108F2.23
ENSMUSG00000097093.2	7.390819161	3.720730188	0.000584237	0.001381458	RP23-432N1.9
ENSMUSG000000093545.1	132.9643449	-0.761094518	0.000584712	0.001382463	RP24-465G18.3
ENSMUSG00000109757.1	35.38542807	-1.492771711	0.000585525	0.001384263	RP23-96L20.1
ENSMUSG00000054446.8	4.175428875	5.443994263	0.000585615	0.001384356	Cpa1
ENSMUSG00000086867.1	7.903550943	3.817106641	0.000586788	0.00138701	CR974483.2
ENSMUSG00000003435.9	7048.617368	-0.527243592	0.000588684	0.001391369	Supt5
ENSMUSG00000108678.1	16.21872603	2.369160775	0.000588816	0.00139156	RP24-360F21.2
ENSMUSG00000095119.1	16.29413929	-2.70304618	0.000589156	0.001392243	Gm23711
ENSMUSG00000103502.1	16.2053197	2.496470768	0.000589347	0.001392575	RP23-83N21.1
ENSMUSG000000086920.1	32.86725413	-1.394666139	0.000593961	0.001403354	RP23-223A11.4
ENSMUSG00000091897.1	4.398779928	5.521435841	0.000594295	0.001404024	RP24-449D6.1
ENSMUSG00000045048.7	15.3392913	2.409597927	0.000594453	0.001404275	RP24-105O7.1
ENSMUSG00000112008.1	44.76867892	-2.258707184	0.000594519	0.001404307	RP23-246K11.3
ENSMUSG0000002210.11	673.2757883	0.537687171	0.000594779	0.001404801	Smg9

ENSMUSG00000046432.12	14456.60933	0.855510061	0.000596516	0.00140878	Ngfrap1
ENSMUSG00000044595.10	54.25380484	1.158190739	0.000596626	0.001408919	Dnd1
ENSMUSG00000013275.9	938.6020465	-0.901814156	0.000597179	0.001410103	Slc41a1
ENSMUSG00000090671.1	39.07293404	-2.115366201	0.000598942	0.001414143	RP24-162F23.2
ENSMUSG00000074355.2	9.736488205	3.04557279	0.000599757	0.001415944	RP24-576D1.3
ENSMUSG00000036898.16	1297.550769	0.618333614	0.000600779	0.001418234	Zfp157
ENSMUSG00000081622.1	260.9331395	-0.666084919	0.000601151	0.001418989	RP23-238B14.1
ENSMUSG00000024259.8	2393.23484	0.452363876	0.00060223	0.001421413	Slc25a46
ENSMUSG000000114470.1	3.795359956	-5.472426131	0.000603351	0.001423936	RP24-476A4.1
ENSMUSG00000071454.13	1128.486335	0.426252481	0.000603656	0.001424533	Dtnb
ENSMUSG00000086827.1	4.23576801	5.454821109	0.000604315	0.001425962	RP24-293N14.2
ENSMUSG00000018796.13	847.5003762	0.787917701	0.000605117	0.001427732	Acsl1
ENSMUSG00000072582.9	2760.272578	0.884754192	0.000606533	0.001430095	Pthr2
ENSMUSG00000076031.1	113.7932236	1.486239295	0.0006067	0.001431096	Gm22751
ENSMUSG00000094403.1	113.7932236	1.486239295	0.0006067	0.001431096	Mir692-2
ENSMUSG00000021578.17	2289.031539	-0.518500526	0.000607808	0.001433585	Ccdc127
ENSMUSG0000001039.12	565.2498494	0.918785655	0.000608066	0.001434069	B9d1
ENSMUSG00000112033.1	13.35606916	3.548001983	0.000609578	0.00143751	RP24-181E5.4
ENSMUSG00000086815.4	7.030182836	5.178704271	0.000609987	0.00143835	RP24-418J2.2
ENSMUSG00000060002.14	694.6102831	-0.50405816	0.000610608	0.001439691	Chpt1
ENSMUSG00000065047.1	9.696115597	4.106897993	0.000611057	0.001440625	Gm24045
ENSMUSG00000037110.20	1468.068486	-1.207277923	0.000611113	0.001440631	Ralgapa2
ENSMUSG00000031355.16	99.96765775	-0.988805535	0.000611216	0.001440749	Arhgap6
ENSMUSG00000057778.14	268.2014568	0.684273019	0.000612582	0.001443846	Cyb5d2
ENSMUSG00000072574.4	32.81862288	-1.35671766	0.000613013	0.001444735	RP23-48M16.9
ENSMUSG00000039210.16	954.543241	-0.599248398	0.000615144	0.001449633	Gpatch2
ENSMUSG00000018765.5	6716.510955	-0.508198385	0.000617001	0.001450749	Fxr2
ENSMUSG00000066807.2	106.7902371	-1.121543617	0.000617515	0.001454968	RP23-399A18.7
ENSMUSG00000097873.1	11.05732642	-2.45220774	0.000617633	0.001455121	Gm26867
ENSMUSG00000102211.1	11.74009589	3.087146446	0.000619657	0.001459763	RP23-293I7.4
ENSMUSG00000094685.2	458.1193046	0.566274304	0.000620085	0.001460644	RP24-475C24.13
ENSMUSG00000027879.9	2230.410996	0.435402145	0.000623467	0.001468485	Sec22b
ENSMUSG000000113260.1	8.034339959	-3.302275359	0.000623921	0.001469426	RP24-249P3.4
ENSMUSG00000067928.6	990.1834516	0.659445589	0.000624143	0.001469821	Zfp760
ENSMUSG000000001157.13	1360.002573	0.442668827	0.000624794	0.001471228	Gmcl1
ENSMUSG00000055296.14	2534.853017	-1.207734161	0.000625756	0.001473365	Tmem245
ENSMUSG00000000378.15	1494.5963	0.450243483	0.000626477	0.001474936	Ccm2
ENSMUSG00000037669.15	1708.201539	-0.65671392	0.000626624	0.001475155	Ldah
ENSMUSG00000082691.6	4965.881417	0.57418129	0.000627019	0.001475956	Dynl1-ps1
ENSMUSG00000029102.9	6.187171017	5.004864751	0.00062751	0.001476985	Hgfac
ENSMUSG00000089694.2	4.49629957	-5.715895532	0.000628271	0.001478649	RP24-478I22.5
ENSMUSG00000034083.16	1654.932864	0.594735608	0.000628598	0.001479292	Ccdc174
ENSMUSG00000090035.3	228.2083294	-0.708308122	0.000628758	0.00147954	Galnt4
ENSMUSG00000020476.14	5157.51563	0.555387745	0.000629268	0.001480612	Dbnl
ENSMUSG000000084193.1	346.9782557	-0.665492773	0.000630993	0.001484542	RP23-403O11.4
ENSMUSG00000024948.14	449.5623521	0.960785974	0.000631912	0.001486576	Map4k2
ENSMUSG00000051133.3	67.69312385	1.581743923	0.000632019	0.001486699	RP23-140G16.3
ENSMUSG00000039016.5	1989.342315	1.125864111	0.000632556	0.001487834	Timm8b
ENSMUSG00000034297.14	5076.818671	-1.027044249	0.000634226	0.001491505	Med13
ENSMUSG00000042323.17	8954.692718	-0.537404057	0.000634215	0.001491505	Pbrn1
ENSMUSG00000009471.4	5.193582567	-4.919614666	0.000636584	0.001496921	Myod1
ENSMUSG00000071653.9	19.88819003	-2.234081643	0.000639492	0.001503629	RP24-458M20.2
ENSMUSG00000059325.14	289.3392847	0.741806317	0.000640204	0.001505172	Hopx
ENSMUSG00000056899.10	57.22923467	1.299084512	0.000640658	0.00150611	Immp2l
ENSMUSG00000086127.1	13.18629541	2.278581685	0.000641595	0.001508183	RP23-369I8.1
ENSMUSG00000073652.10	24.25015227	1.7204298	0.000642791	0.001510864	Apol7d
ENSMUSG00000018661.17	1746.167475	0.619144811	0.000642919	0.001511034	Cog1
ENSMUSG00000036241.3	6679.211896	0.78270677	0.000643062	0.001511124	Ube2r2
ENSMUSG00000072774.10	128.6017625	-1.399574813	0.0006435	0.001512009	Zfp951
ENSMUSG00000092216.3	4.003039967	5.368243224	0.000643455	0.001512009	RP23-191I116.2
ENSMUSG00000050567.16	1626.254905	-0.97975996	0.000645455	0.001516472	Maml1
ENSMUSG00000024313.7	8.670231256	-4.1726983	0.000645914	0.001517418	Mep1b
ENSMUSG0000001229.8	1765.73737	-0.999122733	0.000646531	0.001518736	Dpp9
ENSMUSG00000024068.7	4011.644111	0.618123043	0.000646946	0.001519582	Spast
ENSMUSG00000064310.10	3.794746975	5.302469815	0.000649161	0.001524653	Zpld1
ENSMUSG00000103751.1	11.45919322	5.009178312	0.00065037	0.001527361	RP24-483O2.2
ENSMUSG00000102152.1	7.626591517	4.36231068	0.000651199	0.001529176	RP23-250G8.12
ENSMUSG00000071893.7	18.78469793	2.284022848	0.000651772	0.001530389	Vmn1r4
ENSMUSG00000032402.12	955.349178	-0.790574337	0.000652872	0.00153284	Smad3
ENSMUSG00000058444.8	672.8077464	0.452083657	0.000652984	0.001532971	Map2k5
ENSMUSG00000097099.2	14.18770241	2.151928423	0.000653045	0.001532981	RP23-456B9.22
ENSMUSG00000063672.7	4.486158875	5.528056303	0.000653929	0.001534924	Nkx6-3
ENSMUSG00000034211.14	2210.9933	0.729062215	0.000654603	0.001536336	Mrps17
ENSMUSG00000102123.1	4.958085694	5.675093399	0.000654643	0.001536336	RP23-277E3.2
ENSMUSG00000040606.13	2174.658388	0.826145115	0.00065481	0.001536596	Kazn
ENSMUSG00000049460.7	95.62763688	-0.905959418	0.000656459	0.001540332	RP24-532L14.1
ENSMUSG00000024393.14	14087.92419	-1.071332747	0.000656734	0.001540845	Prrc2a
ENSMUSG00000097373.1	8.8092701	3.978361372	0.000662461	0.001554148	RP24-138L8.5
ENSMUSG00000036820.11	281.8347201	1.026801059	0.000662653	0.001554464	Amdhd2
ENSMUSG00000098138.1	23.67817869	-1.556638446	0.000662756	0.001554571	RP23-136O17.1
ENSMUSG00000025132.13	19029.91726	-0.402875581	0.000663966	0.001557239	Arhgdia
ENSMUSG00000105726.1	4.266161076	5.462968959	0.000664007	0.001557239	RP23-120C8.3
ENSMUSG00000087701.4	31862.86005	-0.801745071	0.000665156	0.001559799	RP23-332K7.1

ENSMUSG00000037965.14	1682.426958	0.754594416	0.000666704	0.001563294	Zc3h7a
ENSMUSG00000034341.17	4080.193203	0.534884073	0.000667532	0.001565101	Wbp2
ENSMUSG00000086769.7	7.535885967	3.301818684	0.000669799	0.001570282	AC113055.2
ENSMUSG00000032231.14	821.2143031	0.7425056	0.000671285	0.00157363	Anxa2
ENSMUSG00000029607.14	19.94443123	1.834049266	0.000672802	0.00157705	Ankrd61
ENSMUSG00000111424.1	7.488928238	-3.49393149	0.000675446	0.001583111	RP23-187B11.10
ENSMUSG00000032177.17	135.0212708	-0.809532451	0.000676488	0.001585416	Pde4a
ENSMUSG00000028745.18	9722.689768	0.631866052	0.000677471	0.001587583	Capzb
ENSMUSG00000030688.15	370.7039445	1.028590504	0.000677548	0.001587629	Stard10
ENSMUSG00000042390.9	3464.914322	-0.713100403	0.000678431	0.001589561	Gatad2b
ENSMUSG00000036887.5	4.100031679	5.414215569	0.000680713	0.00159477	C1qa
ENSMUSG00000066037.14	8999.300963	0.383089284	0.000680921	0.001595119	Hnrnp1
ENSMUSG00000017715.11	2492.910884	-0.408709242	0.000681272	0.001595804	Pgs1
ENSMUSG00000104631.1	13.2749068	3.315388613	0.000683091	0.001599927	RP23-298M23.12
ENSMUSG00000046585.8	4.250826071	5.472285155	0.000684348	0.001602735	Cfap58
ENSMUSG00000024180.13	204.2404888	-0.91345179	0.000684712	0.00160345	Tmem8
ENSMUSG00000109257.1	4.434684011	5.513537589	0.000685334	0.001604768	RP23-26C21.1
ENSMUSG00000036422.10	203.3768476	0.817973672	0.000686007	0.001606205	Pcdh8
ENSMUSG00000025485.13	1804.763168	0.436816773	0.00068764	0.00160989	Ric8
ENSMUSG00000061525.2	6.759843506	-3.79558004	0.000687964	0.001610512	RP23-419G21.2
ENSMUSG00000078377.5	17397.3461	-0.837568672	0.00068969	0.001614414	RP23-405M23.1
ENSMUSG00000071568.5	330.7909471	-0.837955566	0.000690126	0.001615295	RP23-148L8.2
ENSMUSG00000073658.4	4.168424515	-5.606060873	0.000690368	0.001616452	Crygb
ENSMUSG00000065878.1	27.64998398	-1.724953182	0.000692014	0.001619436	Snord34
ENSMUSG00000045746.3	20.80231623	1.689114458	0.000694864	0.001625964	RP23-197N18.1
ENSMUSG00000038250.9	1810.180969	-0.739835962	0.000695337	0.001626932	Usp38
ENSMUSG00000038354.13	18.8865969	1.662570162	0.000697522	0.001631905	Ankrd35
ENSMUSG00000033508.7	10.50306102	3.500858634	0.000698423	0.001633872	Asprv1
ENSMUSG00000116041.1	613.7537744	0.832747464	0.000698792	0.001634596	RP23-23A6.8
ENSMUSG00000062563.15	15.14561804	2.648815508	0.000699507	0.001636028	Cys1
ENSMUSG00000009207.4	6128.505342	0.688293601	0.000699525	0.001636028	Dynl1a
ENSMUSG00000024353.4	12.01565552	2.94253598	0.000699979	0.001636949	Mzb1
ENSMUSG00000105466.1	10.12638655	-2.712721942	0.000700521	0.001638076	RP23-246L14.2
ENSMUSG00000072978.3	926.4701488	-0.797928233	0.000700791	0.001638568	RP23-421G18.2
ENSMUSG00000005157.6	12.08467283	2.253900569	0.000700961	0.001638825	RP23-167L1.8
ENSMUSG00000018585.9	2847.691053	1.276423185	0.000701061	0.001638918	Atox1
ENSMUSG00000045752.13	1310.634595	0.818069302	0.00070266	0.001642514	Tssc4
ENSMUSG00000038506.13	651.9068059	0.676137935	0.000703151	0.001643522	Dcun1d2
ENSMUSG00000026295.12	4.708997209	5.597633606	0.000703641	0.001644525	Spp2
ENSMUSG00000034855.13	13.61764276	2.433708104	0.000703717	0.001644561	Cxcl10
ENSMUSG00000009549.14	3460.672858	0.909705513	0.000704103	0.001645181	Srp14
ENSMUSG00000111847.1	179.0736029	0.791510691	0.000704094	0.001645181	RP24-286J14.3
ENSMUSG00000108442.1	3917.665577	-0.83891734	0.000705817	0.001649046	RP23-473E20.3
ENSMUSG00000056771.7	57.32804639	-1.491829978	0.000708547	0.001655282	RP24-363O21.4
ENSMUSG00000038188.17	31.86775413	-1.484383764	0.000708636	0.001655348	Scarf1
ENSMUSG000000081249.3	16.58508968	2.401831244	0.000710245	0.001658963	RP23-353J21.2
ENSMUSG00000046794.9	189.0275444	-0.608518287	0.000710501	0.001659419	Ppp1r3b
ENSMUSG00000039065.11	630.8011365	-0.452281915	0.000710672	0.001659677	Fam173b
ENSMUSG00000029206.13	21.35409719	1.817705655	0.000711125	0.001660591	Nsun7
ENSMUSG00000042525.5	3.627216731	-5.406806508	0.000711407	0.001661108	RP23-228A20.3
ENSMUSG00000005397.8	610.1781608	-1.464420128	0.000712107	0.0016626	Nid1
ENSMUSG00000005364.11	5.460921638	4.810949457	0.000712241	0.001662771	Il5ra
ENSMUSG00000113196.1	17.24924171	-2.260526357	0.000713521	0.001665617	RP24-68E20.3
ENSMUSG00000058976.4	3.672406235	-5.421911496	0.00071377	0.001666054	Usp17lc
ENSMUSG00000024072.8	1568.108506	0.475091266	0.000714941	0.001668645	Yipf4
ENSMUSG00000096630.1	3.71246189	-5.435072846	0.000715147	0.001668982	Vmn2r26
ENSMUSG00000063065.13	2188.679473	0.449975208	0.000715896	0.001670589	Mapk3
ENSMUSG0000004951.10	591.9305687	-0.848325724	0.000720243	0.001680587	Hspb1
ENSMUSG00000057751.14	1060.284735	-0.752238518	0.000720838	0.001681831	Megf6
ENSMUSG00000020265.16	5385.815029	-0.627010811	0.000721576	0.001683409	Sumo3
ENSMUSG00000030443.16	157.4308928	0.856792198	0.000722234	0.001684801	Zfp583
ENSMUSG00000087307.1	21.1099697	1.876073455	0.000723165	0.001686828	RP23-247I20.1
ENSMUSG00000022898.13	1776.927534	0.387032781	0.000724633	0.001690107	Dscr3
ENSMUSG00000111613.1	7917.009739	-0.532078909	0.000725064	0.001690967	RP23-134M7.2
ENSMUSG00000116029.1	9.739493889	3.693988024	0.000725161	0.001691048	RP23-453I1.1
ENSMUSG00000022956.11	4168.906376	1.216881656	0.000725642	0.001692026	Atp5o
ENSMUSG00000110699.1	9.063474986	5.573083105	0.000727002	0.001695051	AC140205.10
ENSMUSG00000066838.7	292.2301792	0.742527454	0.000727342	0.001695701	Zfp772
ENSMUSG00000026301.16	3.805939064	5.296913459	0.000727958	0.00169699	Iqca
ENSMUSG00000031987.6	1736.465306	0.604936358	0.000729015	0.00169931	Egln1
ENSMUSG00000059401.13	83.8267257	1.338707106	0.000729364	0.001699978	Mamid1
ENSMUSG00000108015.3	3.90758641	5.346258187	0.000729587	0.001700351	RP23-81F19.1
ENSMUSG00000021575.16	47.04643199	-1.612291026	0.000729879	0.001700886	Ahrr
ENSMUSG00000068015.8	74.28092881	1.425464488	0.00073201	0.001705706	Lrch1
ENSMUSG00000045295.8	22.10002857	-1.836574043	0.000734384	0.001711092	Cyp4f41-ps
ENSMUSG00000107771.1	139.1857653	-0.914396053	0.000734916	0.001712185	RP23-407F20.1
ENSMUSG00000085591.1	6.295817681	5.037276796	0.000735744	0.001713967	RP23-288M4.1
ENSMUSG00000006215.12	1749.407978	0.451959256	0.000737582	0.001718091	Zbtb17
ENSMUSG00000045098.18	2124.877016	0.850180718	0.00073764	0.001718091	Suv420h1
ENSMUSG00000065725.1	8.189823665	-3.677270674	0.000739512	0.001722305	Gm26165
ENSMUSG00000027363.15	2005.45342	-0.943306623	0.000740261	0.001723901	Usp8
ENSMUSG00000028328.13	96.20121344	-1.079651199	0.000740892	0.001725223	Tmod1
ENSMUSG00000030735.6	4083.661144	-0.450307872	0.000740994	0.001725313	RP24-418L21.1

ENSMUSG00000074259.10	29.90583626	-1.77091694	0.000744114	0.001732428	Gramd2
ENSMUSG00000086693.1	15.07718702	3.774186248	0.000745282	0.001734999	RP24-386G2.2
ENSMUSG00000106878.1	25.7545359	-1.595132687	0.000745702	0.00173583	RP23-222G22.9
ENSMUSG00000106237.1	16.64745781	-1.93754533	0.000749464	0.001744437	RP23-45G4.3
ENSMUSG00000106749.1	6.704165396	5.108974155	0.000749843	0.00174517	RP24-79P8.1
ENSMUSG00000102775.1	5.454237391	4.813745618	0.00075185	0.001749693	AC102860.3
ENSMUSG00000021699.17	550.0609382	-1.29324532	0.000752625	0.001751347	Pde4d
ENSMUSG00000060923.5	38.15685228	1.634609992	0.000752812	0.001751632	Acyp2
ENSMUSG00000072324.4	1302.284571	-0.81915642	0.000754907	0.001756356	RP23-348P7.2
ENSMUSG00000086171.7	89.9728442	0.830520625	0.000755641	0.001757914	Pcsk2os1
ENSMUSG00000059518.14	1030.769029	0.967653461	0.000755823	0.001758038	Znhit1
ENSMUSG000000081804.1	5.114903822	5.717687474	0.000755776	0.001758038	Xlr5d-ps
ENSMUSG00000038264.8	408.8373027	1.137036043	0.000758642	0.001764444	Sema7a
ENSMUSG00000082337.1	153.7128015	-0.831947619	0.000759447	0.001766165	RP23-304N5.1
ENSMUSG00000000131.15	4085.944577	-0.926555195	0.000762753	0.001773701	Xpo6
ENSMUSG00000109443.1	3.628928014	-5.407395676	0.000763435	0.001775137	RP23-375O10.2
ENSMUSG00000108267.1	20.48671212	-1.738086642	0.000763911	0.001776091	RP23-114E15.12
ENSMUSG00000106048.1	10.27592701	4.176112901	0.000764983	0.001778433	RP23-342M4.5
ENSMUSG00000007034.4	115.2980486	-1.749969784	0.000766648	0.001782151	Cbfa2l2-ps1
ENSMUSG000000097078.1	8.514551482	3.927658094	0.000768064	0.001785285	Gm26566
ENSMUSG00000104130.1	5.363479589	5.785568464	0.000768127	0.001785285	RP24-113A5.1
ENSMUSG00000068964.5	878.8014785	-0.452578411	0.000769616	0.001788593	RP23-470L4.4
ENSMUSG000000081871.1	588.7312236	-0.947327513	0.000770043	0.001789433	RP23-289L21.4
ENSMUSG00000113688.1	7.436493271	3.711578613	0.000771165	0.001791886	RP23-5P19.10
ENSMUSG00000072825.11	2720.150518	0.981563922	0.000773952	0.001798209	Cep170b
ENSMUSG00000061613.12	2204.544522	-0.882234283	0.000774688	0.001799766	U2af1
ENSMUSG000000059534.8	3920.406099	1.207931357	0.000774958	0.001800239	Uqcr10
ENSMUSG00000075054.5	1419.271005	-0.402502063	0.000776712	0.00180416	Yae1d1
ENSMUSG00000028207.18	3810.768334	-0.601861313	0.000776924	0.001804498	Asph
ENSMUSG00000107685.1	25.48709178	-1.61270752	0.000777935	0.001806693	RP24-554L15.1
ENSMUSG00000034334.8	26.49322663	1.573114617	0.000778118	0.001806964	Fam151b
ENSMUSG00000062619.5	277.9562969	1.024880134	0.000778617	0.001807968	2310039H08Rik
ENSMUSG00000020283.5	2211.815829	0.396670143	0.000779439	0.001809722	Pex13
ENSMUSG00000113498.1	17.23955661	1.987448868	0.000779872	0.001810573	RP23-354L15.2
ENSMUSG00000018167.10	1280.85127	0.511582602	0.000780441	0.001811741	Stard3
ENSMUSG00000104905.1	3.856111547	5.330456437	0.000781863	0.001814887	RP23-192D21.2
ENSMUSG000000097536.2	137.616339	-0.944366502	0.000782383	0.001815939	RP23-212I23.1
ENSMUSG000000041476.12	4.509568489	5.535807639	0.000782643	0.001816234	Smpx
ENSMUSG00000077637.1	16.8959607	-2.339155251	0.000782588	0.001816234	Gm22771
ENSMUSG00000092278.1	588.0319601	-1.371646043	0.000785016	0.001821586	RP23-331E12.12
ENSMUSG000000084024.1	11.60069298	3.92479186	0.000785579	0.001822736	AC135079.3
ENSMUSG000000041569.7	4.354288517	5.507200016	0.000785787	0.001823062	Fmod
ENSMUSG00000058886.9	1848.680255	0.42529005	0.000786283	0.001824059	Deaf1
ENSMUSG00000021391.10	358.5086914	-0.765503596	0.000787903	0.00182766	Cenpp
ENSMUSG000000087674.7	8.2433655	3.440079029	0.000788398	0.001828537	RP23-34E4.1
ENSMUSG00000103696.1	32.99455013	2.859097465	0.000788415	0.001828537	RP23-27C10.2
ENSMUSG00000097253.2	10.23603247	3.77525387	0.000789194	0.001830187	RP23-114E15.13
ENSMUSG00000102953.1	9.034448967	-2.955314182	0.000789733	0.001831282	RP23-377G8.4
ENSMUSG000000072949.6	107.8300944	-0.972081141	0.000790672	0.001833303	Acot1
ENSMUSG00000058624.12	6.569407986	4.168377565	0.000791432	0.00183491	Gda
ENSMUSG00000036580.15	987.7089643	-0.633695261	0.000792616	0.001837342	Spg20
ENSMUSG00000109610.1	6415.130999	-0.819435092	0.000792603	0.001837342	RP23-108H19.3
ENSMUSG000000036585.15	5.41410241	4.800023141	0.000794537	0.001841638	Fgf1
ENSMUSG00000028680.14	350.0655421	0.89784793	0.000795045	0.001842659	Plk3
ENSMUSG00000013701.13	4150.436695	-0.824494155	0.000796955	0.001846752	Timm23
ENSMUSG00000105922.1	4.931835544	5.664483711	0.000796897	0.001846752	RP23-140B23.2
ENSMUSG00000114099.1	4.114477022	5.424999255	0.000797014	0.001846752	RP23-101G11.4
ENSMUSG00000068706.3	7884.218176	1.072578288	0.000798297	0.001849567	RP24-239J20.1
ENSMUSG00000000320.10	55.96261599	-1.05103378	0.000798444	0.00184975	Alox12
ENSMUSG000000038473.14	109.4975916	1.101713167	0.000799896	0.001852956	Nos1ap
ENSMUSG00000091233.3	19.69381353	1.886690231	0.000800067	0.001853196	RP23-432D9.3
ENSMUSG00000030045.10	2263.616622	-0.760287504	0.000803511	0.001861013	Mrpl19
ENSMUSG00000096755.2	1474.657428	0.908536522	0.000804077	0.001862167	CH25-11N3.1
ENSMUSG000000095098.1	500.1868213	1.183877191	0.00080442	0.001862804	Ccdc85b
ENSMUSG00000031749.12	1699.282155	0.683340065	0.000804663	0.001863208	St3gal2
ENSMUSG00000032578.7	159.5580632	0.765518947	0.000806693	0.001867749	Cish
ENSMUSG00000033382.14	1990.052125	-0.986687318	0.00080869	0.001872213	Trappc8
ENSMUSG000000083395.1	3.705761777	-5.432932323	0.000808775	0.00187225	RP23-253E9.1
ENSMUSG00000030213.12	3492.886841	-0.930916012	0.000810726	0.001876608	Atf7ip
ENSMUSG00000095891.7	10.89501908	3.836529796	0.000810824	0.001876676	Gm10717
ENSMUSG00000036591.16	3321.838095	-1.17868302	0.000810917	0.001876731	Arhgap21
ENSMUSG00000051548.4	280.5994041	-0.822449893	0.000811353	0.001877579	Gm6365
ENSMUSG00000039138.1	4.089734449	-5.581766721	0.00081214	0.001879083	RP24-80C21.2
ENSMUSG00000068327.5	4.089734449	-5.581766721	0.00081214	0.001879083	Tlx2
ENSMUSG00000006335.16	792.1544314	0.926753717	0.000814431	0.001884224	Tfpt
ENSMUSG00000095704.2	14.55957202	1.980577443	0.000819788	0.001896455	RP23-188D8.4
ENSMUSG00000063600.14	22.18542771	2.113118333	0.000819906	0.001896568	Egfm1
ENSMUSG00000116676.1	51.9449773	-1.191944968	0.000821464	0.00190001	RP23-417I20.1
ENSMUSG000000044312.4	5.28287392	4.766638869	0.000821568	0.001900091	Neurog3
ENSMUSG00000097785.1	31.8876112	1.583505532	0.000822097	0.001901153	B230217O12Rik
ENSMUSG00000082432.1	12.41450054	-2.596302923	0.000824735	0.00190709	RP24-168J7.1
ENSMUSG00000084828.1	5.596673835	4.844580934	0.000827559	0.001913447	RP23-307M2.3
ENSMUSG00000104339.1	39.51810716	1.667631911	0.000827624	0.001913447	RP23-380F8.2

ENSMUSG00000097451.10	9877.368366	0.663857021	0.000830839	0.001920717	Rian
ENSMUSG00000075289.4	37.56175165	1.179053959	0.000833653	0.001927057	Carns1
ENSMUSG00000026848.14	2454.176958	-0.367438677	0.000833754	0.001927128	Tor1b
ENSMUSG00000076315.2	7.304344702	-3.904041227	0.000835181	0.001930262	Mir343
ENSMUSG00000046093.9	114.9155126	1.149574408	0.000835898	0.001931755	Hpcal4
ENSMUSG00000037926.15	2682.273187	0.641600801	0.000836689	0.001933419	Ssh2
ENSMUSG00000083545.2	666.3285957	0.478343659	0.000838289	0.001936951	RP23-211O3.5
ENSMUSG00000046219.9	9.365785045	2.749587228	0.000838565	0.001937425	RP23-372J10.2
ENSMUSG00000032743.15	507.9904666	0.787668277	0.000841001	0.001942889	AC127333.1
ENSMUSG00000029821.15	27.36546526	1.672687261	0.000841417	0.001943686	Dfna5
ENSMUSG00000027430.12	1179.574482	0.570954394	0.000842059	0.001945004	Dtd1
ENSMUSG00000113413.1	7.9630539	3.393649833	0.000844662	0.00195085	RP23-338N2.8
ENSMUSG00000022816.11	5936.997592	-0.526199682	0.000845199	0.001951925	Fstl1
ENSMUSG00000081748.1	27.56440798	-1.621869895	0.000845655	0.001952812	RP23-75F12.1
ENSMUSG00000023932.8	2940.041173	-0.393717292	0.000846898	0.001955518	Cdc5l
ENSMUSG00000004317.14	4785.939061	0.642936621	0.00085085	0.001964476	Cicn5
ENSMUSG00000025393.12	54714.3468	-0.511155618	0.000851456	0.001965709	Atp5b
ENSMUSG00000095547.1	10.70962298	3.810075939	0.000852092	0.00196701	Gm10719
ENSMUSG00000096255.2	6756.218704	0.736434589	0.000854015	0.001971283	Dynl1b
ENSMUSG00000085256.1	24.44752173	1.686136388	0.000854594	0.001972451	Dmrta2os
ENSMUSG00000052316.9	21.05257368	-1.761698035	0.000854686	0.001972498	Lrrc15
ENSMUSG00000043510.12	158.5353374	1.170556667	0.000859165	0.001982666	Hscb
ENSMUSG00000069516.8	356.2394155	0.65263864	0.000861708	0.001988366	Lyz2
ENSMUSG00000029674.13	1548.326476	0.803882284	0.000863647	0.001992671	Limk1
ENSMUSG00000091007.1	4.485881932	5.550451531	0.000863962	0.001993228	D630036H23Rik
ENSMUSG00000112627.1	52.530249	-1.053589948	0.000864811	0.00199502	RP23-413G8.2
ENSMUSG00000032869.15	1868.989531	0.441800628	0.000868161	0.002002577	Psmf1
ENSMUSG00000026790.19	4284.303303	-0.57464464	0.000869532	0.00200557	Odf2
ENSMUSG00000025726.11	18.41541327	-3.435878149	0.000870547	0.002007742	Slc28a1
ENSMUSG00000034902.17	2797.235631	0.896987392	0.000871726	0.00201029	Pip5k1c
ENSMUSG00000028811.11	6449.15962	0.498694258	0.000872418	0.002011715	Yars
ENSMUSG00000061859.16	555.2982108	-0.682961217	0.000872719	0.00201224	Inadl
ENSMUSG00000068680.1	3.880823541	5.32156485	0.000874249	0.002015597	RP23-444B8.2
ENSMUSG00000021266.16	4324.138115	-0.36816092	0.000874655	0.002016362	Wars
ENSMUSG00000112461.1	3.892528349	5.325507155	0.000875045	0.00201709	RP23-17O23.4
ENSMUSG00000046634.12	17.30570134	-2.18160516	0.000875388	0.002017711	Pkd11i
ENSMUSG00000024742.15	3299.717817	-0.650973375	0.000876705	0.002020473	Fen1
ENSMUSG00000092560.2	575.6763988	-1.365424366	0.000876735	0.002020473	RP23-331E12.13
ENSMUSG00000027611.12	35.2792423	-1.199890088	0.000878548	0.002024481	Procr
ENSMUSG00000074194.4	108.0048387	0.752290327	0.000880187	0.002028085	Zfp791
ENSMUSG00000110348.1	61.53613314	-1.447099375	0.000880442	0.002028501	RP24-101G17.2
ENSMUSG00000073609.9	402.6619218	-1.008435909	0.000882237	0.002032465	D2hgdh
ENSMUSG00000026873.9	335.1231698	-0.92085448	0.000882714	0.002033393	Phf19
ENSMUSG0000006526.13	682.67197	0.625283238	0.000882885	0.002033613	Tmem110
ENSMUSG00000085022.2	13.86058319	-2.177509123	0.000883024	0.002033763	RP23-228D6.2
ENSMUSG00000006010.14	1203.504136	0.515493426	0.000884376	0.002036704	AC121113.1
ENSMUSG00000000028.15	1304.373607	-0.49655023	0.000884741	0.002037372	Cdc45
ENSMUSG00000040473.15	139.1626738	1.07488928	0.000886726	0.002041771	Cfap69
ENSMUSG00000083407.1	45.69770272	-2.106758759	0.000887247	0.002042799	RP23-198G1.2
ENSMUSG0000008763.16	3330.862346	-0.688144222	0.000887929	0.002044196	Man1a2
ENSMUSG00000025650.13	231.1521966	-1.120868568	0.000889203	0.002046954	Col7a1
ENSMUSG00000055553.16	824.5184922	0.66874457	0.000889533	0.002047542	Kxd1
ENSMUSG00000050511.1	16.06894703	-2.546198321	0.000889611	0.002047548	Oprd1
ENSMUSG00000074108.1	6369.384359	-0.78906901	0.000890609	0.002049672	Rpl10-ps2
ENSMUSG00000000171.5	5142.378655	-0.492308786	0.000891573	0.00205137	Sdhd
ENSMUSG00000070780.11	23.24912365	2.036105247	0.000891557	0.00205137	Rbm47
ENSMUSG00000102737.1	3.632760494	5.240440017	0.000891553	0.00205137	RP23-246H16.1
ENSMUSG00000091019.1	6.757131899	4.209743997	0.000891893	0.002051935	RP24-329I13.2
ENSMUSG00000100210.2	23.16278027	-1.864544126	0.000892224	0.002052522	Hist1h3f
ENSMUSG00000051396.15	543.2035551	0.597033629	0.000892498	0.002052978	RP23-167G19.12
ENSMUSG00000025141.2	6.401673664	5.062591646	0.000895167	0.002058946	Myadm12
ENSMUSG00000034111.6	1921.282354	-1.001920804	0.000898623	0.002066719	Tmed8
ENSMUSG00000064252.9	3.982470888	5.369343822	0.000902913	0.00207641	Olfir329-ps
ENSMUSG000000061728.5	5.222094299	-4.926430797	0.000904081	0.002078922	Btnl7-ps
ENSMUSG00000090397.1	26.32327366	-2.005235098	0.000907744	0.002087167	RP23-19L12.11
ENSMUSG00000021646.9	855.730757	0.534855353	0.000910385	0.002093062	Mccc2
ENSMUSG00000019822.12	978.2274019	0.625487217	0.000911018	0.002094342	Smpd2
ENSMUSG00000093820.1	7.094386943	-3.903911239	0.000912933	0.002098568	Vmn2r21
ENSMUSG00000033114.11	3.866790917	5.317495962	0.00091326	0.002099141	Slc35d2
ENSMUSG00000084390.1	52.37915	-1.49656655	0.000914189	0.0021011	RP23-376B1.1
ENSMUSG00000115359.1	5.84922778	-4.19620288	0.000916366	0.002105926	RP23-402B11.1
ENSMUSG00000102742.1	6.361939697	-4.310929201	0.000917342	0.002107991	Pcdhga11
ENSMUSG00000073686.2	16.56304836	3.115222285	0.000918243	0.002109883	RP23-173K14.1
ENSMUSG00000116589.1	6.889981179	3.61062256	0.000920958	0.002115944	RP23-115D20.4
ENSMUSG00000059851.15	1858.466349	-0.496480996	0.000921174	0.002116261	Suv420h2
ENSMUSG00000095205.1	5.353443551	-4.967937768	0.000921636	0.002117143	Snord93
ENSMUSG00000020190.13	3207.520317	0.66721445	0.000923571	0.002121409	Mknk2
ENSMUSG00000110393.2	225.4447974	-0.807858551	0.000923698	0.002121522	RP23-414P13.3
ENSMUSG00000054477.15	157.6793912	1.219631873	0.000928627	0.002132663	Kcnn2
ENSMUSG00000021255.17	66.85542249	1.146842071	0.000932147	0.002140566	Esrrb
ENSMUSG00000024646.13	1732.197464	0.73612421	0.000932314	0.002140771	Cyb5a
ENSMUSG00000097263.1	5.709000522	4.870427468	0.000932493	0.002141001	Gm26804
ENSMUSG00000098900.2	12.99280821	-2.392240226	0.000934832	0.002146191	RP23-344G11.3

ENSMUSG00000053508.8	3.583100729	5.213894631	0.000936017	0.00214873	RP23-142L24.5
ENSMUSG00000089736.2	29.52974368	2.624881238	0.000937856	0.00215277	Tgfb3l
ENSMUSG00000102779.1	9.128001544	4.629993347	0.000938083	0.00215311	RP23-244J9.1
ENSMUSG00000029708.9	790.7020524	0.643191364	0.000938366	0.002153578	Gcc1
ENSMUSG00000094421.2	8.607908609	5.497615799	0.000939522	0.00215605	RP24-344F2.2
ENSMUSG00000069184.4	147.3002252	-0.709698326	0.000940599	0.002158338	Zfp72
ENSMUSG00000114797.1	3856.265121	-0.591884928	0.000941053	0.002159198	Nup1
ENSMUSG00000049604.3	9.61280679	2.767484084	0.000945355	0.002168886	Hoxb13
ENSMUSG000000022210.7	888.9615314	-0.699731545	0.000946759	0.002171924	Dhrs4
ENSMUSG00000035357.16	3917.42304	0.727011795	0.000949461	0.002177939	Pdzrn3
ENSMUSG00000022440.9	296.3871213	0.528663602	0.000949999	0.00217899	C1qtnf6
ENSMUSG00000029152.13	7430.740855	0.435939996	0.000953794	0.002187512	Ociad1
ENSMUSG00000111617.1	8.275169541	-3.059902459	0.000954521	0.002188995	RP23-453B15.4
ENSMUSG00000034566.10	4356.291207	1.128554347	0.000955839	0.002191831	Atp5h
ENSMUSG00000051650.11	15.48865334	-1.82823343	0.000955938	0.002191875	B3gnt2
ENSMUSG000000040713.12	625.9327728	0.571628333	0.000957046	0.002194231	Creg1
ENSMUSG00000075570.2	4.081790417	5.413821144	0.000958202	0.002196696	Krt26
ENSMUSG00000086264.9	16.43469379	2.071823986	0.000959015	0.002198375	AC124550.2
ENSMUSG00000026034.17	4717.936888	0.48463334	0.000959652	0.00219965	Clk1
ENSMUSG000000026269.14	864.7718334	0.449755282	0.000961948	0.002204726	Rnpepl1
ENSMUSG00000098211.2	3.529352176	-5.362563552	0.000962715	0.002206298	RP23-76C13.7
ENSMUSG00000029784.13	11.2456139	2.63534023	0.000964033	0.002209133	Ssmem1
ENSMUSG00000035851.14	4239.894612	-0.504379389	0.000965038	0.002211252	Ythdc1
ENSMUSG00000014301.13	583.7323636	1.132075381	0.00096876	0.002219594	Pam16
ENSMUSG00000022961.18	20049.04378	-0.377492343	0.000970361	0.002223074	Son
ENSMUSG00000026637.13	33.32190446	-1.394223912	0.000971602	0.00222573	Traf5
ENSMUSG00000037553.14	1835.681378	0.476197816	0.000975108	0.002233573	Zdhc18
ENSMUSG00000030678.7	6143.992769	-0.440766712	0.000975995	0.002235417	Maz
ENSMUSG00000113167.1	5.486162217	4.812812496	0.00097912	0.002242386	RP23-261P14.1
ENSMUSG000000025739.13	15.38236229	-2.062564808	0.000980106	0.002244457	Gng13
ENSMUSG000000035342.13	1509.838253	0.422610865	0.000982134	0.002248911	Lzts2
ENSMUSG00000036835.7	860.2512016	0.848659306	0.000984589	0.002254344	Psenen
ENSMUSG00000085028.2	325.2547691	-0.998640593	0.000984941	0.002254959	Slc2a4rg-ps
ENSMUSG00000098066.2	51.11720493	-1.736381801	0.000986421	0.002258158	RP23-474B13.3
ENSMUSG000000101337.6	46.60024457	1.982276654	0.000987102	0.002259407	Dnah7c
ENSMUSG00000114144.1	127.0167026	1.218375222	0.000987132	0.002259407	RP23-339D20.7
ENSMUSG000000032078.17	2696.128238	-0.539359497	0.000989536	0.002264719	Zpr1
ENSMUSG00000112129.1	19.45568665	3.519850573	0.000990422	0.002266556	Pbl1
ENSMUSG00000083465.1	938.4561448	-0.912297405	0.000993549	0.002273522	RP23-35D7.1
ENSMUSG00000106688.1	10.83499512	2.361383469	0.000994003	0.002274369	RP24-294K15.4
ENSMUSG000000040018.9	1277.775388	-0.999698401	0.000994997	0.002276452	Cox15
ENSMUSG00000014767.17	1575.201182	-0.629117296	0.000996788	0.002280357	Tbp
ENSMUSG00000080078.2	1496.767187	-1.463242489	0.000997108	0.002280898	RP23-282N6.1
ENSMUSG00000028233.6	2340.769185	-0.446983598	0.000997768	0.002282217	Tgs1
ENSMUSG00000094683.2	598.8962693	-1.299960385	0.000998581	0.002283884	RP24-17315.2
ENSMUSG00000111902.1	27.86266098	-1.960795006	0.001000246	0.0022875	RP24-64G24.2
ENSMUSG00000038437.11	1958.381924	0.946427838	0.001000434	0.002287739	Mllt6
ENSMUSG00000038276.12	7.429987467	4.314630066	0.001000874	0.002288552	Asic3
ENSMUSG00000049036.7	540.6054475	0.883622193	0.001002575	0.002292189	Tmem121
ENSMUSG00000116919.1	34.02624097	-1.370166718	0.001002633	0.002292189	RP24-77O15.3
ENSMUSG00000081251.1	1246.903961	0.852548262	0.001003996	0.00229492	RP23-298M7.2
ENSMUSG00000112860.1	6.810138522	4.207388691	0.001003988	0.00229492	RP23-304C21.4
ENSMUSG00000005101.8	1344.519178	0.510384549	0.001006441	0.002300315	Zfp180
ENSMUSG00000021127.7	2202.586517	0.50485398	0.001008303	0.002304379	Zfp361i
ENSMUSG00000014769.10	9744.020488	0.988001696	0.001008516	0.002304672	Psmb1
ENSMUSG00000038587.9	10971.84316	-0.989469714	0.001010136	0.00230818	Akap12
ENSMUSG00000070583.1	295.0623435	-1.287942645	0.001012915	0.002314165	Fv1
ENSMUSG00000082186.2	13.44894968	-1.985509862	0.001012925	0.002314165	RP24-162K15.3
ENSMUSG00000097868.1	40.10860139	1.562686059	0.001013019	0.002314187	A330069E16Rik
ENSMUSG00000027674.16	147.9048464	-0.880513403	0.001013947	0.002316111	Pex5l
ENSMUSG00000032623.9	3.720873285	-5.438304719	0.001014382	0.002316911	Oas1d
ENSMUSG00000078485.3	890.9187256	0.736039377	0.00101564	0.002319589	Plekhn1
ENSMUSG00000098915.1	11660.15081	-0.82105483	0.001015962	0.002320131	Rpl15-ps2
ENSMUSG00000043496.7	311.7870037	0.817646647	0.001016171	0.002320412	Tril
ENSMUSG00000060183.6	15.56919572	2.313116951	0.00101845	0.002325423	Cxcl11
ENSMUSG00000102503.1	7.092133292	4.281405801	0.001023756	0.002337343	RP23-388I22.1
ENSMUSG00000006717.7	473.4244183	0.883608399	0.001023868	0.002337401	Acot13
ENSMUSG000000058900.5	181.4363997	-0.747131539	0.00102468	0.002339058	Rsl1
ENSMUSG00000113314.1	3.54565849	5.201309367	0.001028509	0.002347603	RP24-357P7.2
ENSMUSG000000087174.7	474.2483736	0.643133045	0.001029511	0.002349692	RP23-250A14.2
ENSMUSG00000112429.1	3.656170108	5.248348594	0.001031057	0.002353024	RP23-438J1.7
ENSMUSG00000008450.8	3975.601264	-0.763354235	0.001032009	0.002355	Nuff2
ENSMUSG00000028749.7	3.696452883	5.269821203	0.001033146	0.002357398	Pla2g2f
ENSMUSG00000006920.14	971.7226366	0.72234003	0.001034018	0.002358992	Ezh1
ENSMUSG000000069678.10	348.8190325	0.714285366	0.001033954	0.002358992	Pcgf1
ENSMUSG00000024526.8	54.38428581	-1.534023912	0.001036016	0.002363353	Cidea
ENSMUSG00000042305.12	3978.210944	-0.409107246	0.001036846	0.002365048	Tmem183a
ENSMUSG000000064202.15	18.26880525	2.48895265	0.001038141	0.002367804	AC163993.2
ENSMUSG00000022095.9	421.8381311	0.611295579	0.001038801	0.002369109	Fam160b2
ENSMUSG00000086173.7	11.91009001	-3.958405694	0.001040314	0.002372362	Kis2
ENSMUSG00000030954.10	3.695427446	5.251884933	0.001042004	0.002376016	Gp2
ENSMUSG00000110320.1	11.45794571	2.462342645	0.001045063	0.002382793	RP24-121L4.7
ENSMUSG00000112727.1	19.19407853	-1.597757491	0.001045371	0.002383295	RP23-103E4.3

ENSMUSG00000087574.1	42.96269705	1.396371932	0.001046166	0.002384834	RP23-393B19.1
ENSMUSG00000096964.1	14.15629807	3.177122586	0.001046221	0.002384834	RP23-124N16.2
ENSMUSG00000081314.1	20.04836904	-1.896541722	0.001046466	0.002385192	RP23-367B2.1
ENSMUSG00000004268.11	5650.029294	-1.023249794	0.00104822	0.002388992	Emg1
ENSMUSG000000030515.9	600.4505874	6.020277281	0.001050384	0.002393723	Tarsl2
ENSMUSG00000028737.15	555.192726	-0.454799043	0.001051321	0.002395457	Aldh4a1
ENSMUSG00000086495.7	15.2883302	2.280829306	0.001051303	0.002395457	RP23-147D3.10
ENSMUSG00000030188.12	1147.116893	-0.599441058	0.001052633	0.002398247	Magohb
ENSMUSG000000060475.12	4738.443401	-0.370645562	0.001055392	0.00240433	Wtap
ENSMUSG00000113693.1	44.52647638	-1.743384116	0.001055622	0.002404452	RP23-349J24.3
ENSMUSG00000114160.1	44.52647638	-1.743384116	0.001055622	0.002404452	RP23-349J24.4
ENSMUSG00000032252.14	1754.344843	-0.399177657	0.001055764	0.002404575	Glce
ENSMUSG00000002345.18	1104.881665	1.078847384	0.001058902	0.00241152	Borcs8
ENSMUSG00000035958.3	2086.333628	-0.370897173	0.001059815	0.002413397	Tdp2
ENSMUSG00000035045.17	96.8784416	1.265895488	0.001062388	0.002419055	Zc3h12b
ENSMUSG000000053613.6	5.722740368	4.893811486	0.001065543	0.002426035	Notumos
ENSMUSG00000025027.17	3303.054249	-0.351173057	0.001066321	0.002427456	Xpnpep1
ENSMUSG00000086417.1	6.77998228	3.590522552	0.001066345	0.002427456	RP23-109A3.6
ENSMUSG00000024952.12	342.3301966	0.643983029	0.001067304	0.002429437	Rps6ka4
ENSMUSG00000104684.1	24.95024751	-1.441072894	0.001067858	0.002430493	RP24-270K7.3
ENSMUSG00000115471.1	6.898123218	6.152667291	0.001068843	0.002432533	RP24-81D24.2
ENSMUSG00000112022.1	779.9015339	0.615330737	0.001070715	0.002436591	RP24-226N22.1
ENSMUSG00000102493.1	322.9689851	0.882664508	0.001071365	0.002437865	RP23-393P20.1
ENSMUSG00000075467.4	852.9689081	0.67457353	0.001073894	0.002443416	Dnlz
ENSMUSG00000020883.18	1983.882202	0.950930893	0.001074057	0.002443582	Fbxl20
ENSMUSG00000092039.2	10.01710523	-2.956060684	0.00107753	0.00245128	RP24-213K19.1
ENSMUSG00000039911.13	179.8958481	0.825054078	0.001081281	0.002459607	Spsb1
ENSMUSG00000035623.14	3206.468441	-0.626643105	0.001081437	0.002459756	Rsf1
ENSMUSG00000105205.1	3.55273006	-5.37078816	0.001082252	0.002461199	Gm44301
ENSMUSG00000109940.1	6.252905311	-4.239653459	0.001082204	0.002461199	RP24-392H7.4
ENSMUSG00000111656.1	20.52351999	1.742755011	0.001082756	0.00246214	RP24-282C4.4
ENSMUSG00000056418.3	16.94585809	1.854367264	0.00108449	0.002465877	RP24-345A14.4
ENSMUSG00000086288.1	120.5358635	1.320652836	0.001087315	0.002472095	AC087062.8
ENSMUSG00000104097.1	73.93407541	-1.111719567	0.001087465	0.002472228	RP23-243J5.2
ENSMUSG00000086290.9	1130.506587	-0.828348675	0.001087596	0.00247232	Snhg12
ENSMUSG00000050410.15	413.906501	0.710035822	0.001088173	0.002473425	Tcf19
ENSMUSG00000003072.15	5050.969802	1.016664766	0.001088297	0.002473501	Atp5d
ENSMUSG00000102881.1	7.083086959	3.648194947	0.001089008	0.00247491	RP23-84C12.22
ENSMUSG00000063838.6	67.13032926	-1.449830938	0.001090038	0.002477045	Cdc42ep5
ENSMUSG00000042396.10	1524.9831	-0.39292718	0.001090751	0.002478459	Rbm7
ENSMUSG00000099544.1	22.66538466	-1.728653664	0.001091957	0.002480992	RP24-423I20.2
ENSMUSG00000026753.5	2651.865653	0.406903775	0.001092997	0.002483148	Ppp6c
ENSMUSG00000086873.1	10.4809283	2.313868466	0.001095239	0.002488033	AC125065.1
ENSMUSG00000045464.5	116.7495718	-0.754711047	0.001095422	0.002488243	RP23-16O15.2
ENSMUSG00000072929.6	59.50097232	-0.954014221	0.001095821	0.002488941	RP23-263M8.1
ENSMUSG00000104516.1	5.662181323	4.860087179	0.001096147	0.002489474	RP23-184I13.1
ENSMUSG00000035615.12	52.48238699	-1.268360836	0.001097629	0.002492631	Frmppd1
ENSMUSG00000105804.1	9.451169809	-3.586025806	0.001098332	0.002494019	RP23-173N16.4
ENSMUSG00000044950.7	2287.854902	-0.497343217	0.001099062	0.002495469	Pwfp2a
ENSMUSG00000046909.9	751.9763194	-0.489283085	0.001099636	0.002496564	Tefm
ENSMUSG00000033216.9	916.8775915	-0.654494523	0.001099737	0.002496587	Eefsec
ENSMUSG00000107549.1	6.318859283	-4.209526562	0.001100863	0.002498934	RP23-365O8.4
ENSMUSG00000087443.1	5.528009151	4.824922794	0.001101815	0.002500887	Ppp1r18os
ENSMUSG00000045886.7	970.002215	1.192150689	0.00110207	0.002501257	RP24-202B3.2
ENSMUSG00000049760.5	1721.112675	1.115364529	0.001105182	0.002508112	2410015M20Rik
ENSMUSG00000056209.7	816.4840244	-0.955441233	0.001108476	0.002515168	Npm3
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ENSMUSG00000043541.16	28.1254052	1.559345996	0.001110885	0.002520424	Casc1
ENSMUSG00000018381.15	8.536030473	-3.367622272	0.001111123	0.002520753	Abi3
ENSMUSG000000031150.13	453.9639522	0.995011904	0.001112038	0.00252262	Ccdc120
ENSMUSG00000032883.15	4849.549416	-0.484971527	0.001112271	0.002522938	Acs13
ENSMUSG00000116298.1	3.878495724	5.322064689	0.001113899	0.00252642	RP23-412D17.5
ENSMUSG00000025006.16	464.8743774	0.82777133	0.001114814	0.002528285	Sorbs1
ENSMUSG00000024696.8	21.90600914	1.729356097	0.001115286	0.002529144	Lpxn
ENSMUSG00000025731.15	670.4152537	0.649994173	0.001115681	0.00252983	RP23-356J2.10
ENSMUSG00000087222.1	5.254443746	4.755386181	0.001116905	0.002532395	RP23-374O4.3
ENSMUSG00000025169.6	782.1826837	0.761810991	0.001117253	0.002532822	Ogfod3
ENSMUSG000000064141.14	109.2272063	-0.763493327	0.001117342	0.002532822	Zfp69
ENSMUSG00000084835.1	18.06789101	2.45054792	0.001117372	0.002532822	RP23-355L10.10
ENSMUSG00000032564.16	22.83617708	1.935461961	0.001118043	0.002534131	Cpne4
ENSMUSG000000028172.5	3.47310183	5.175965549	0.001119337	0.002536853	Tacr3
ENSMUSG00000114064.1	16.19096188	-1.756614818	0.001121775	0.002542167	RP24-71G3.1
ENSMUSG00000108197.1	6.905947535	4.257289518	0.001122481	0.002543555	RP23-20K24.10
ENSMUSG00000057719.10	8.309344271	3.906117798	0.001124005	0.002546798	Sh3rf2
ENSMUSG000000095486.1	6.934655113	-3.869853766	0.001125694	0.002550411	Vmn2r22
ENSMUSG00000025225.14	422.0645727	-0.729006105	0.001126198	0.002551343	NfkB2
ENSMUSG00000040140.14	11.67055968	2.192602562	0.001128084	0.002555402	Tdrd6
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ENSMUSG00000074388.3	6.635468312	5.092138942	0.001133388	0.002566562	AC164091.1
ENSMUSG00000048495.16	470.1805242	-0.50355268	0.001137789	0.002576316	Tyw5
ENSMUSG00000064390.1	10.46698183	-2.803634354	0.001141742	0.002585052	Rnu73b

ENSMUSG00000085560.2	7.153388968	3.222621412	0.001141861	0.002585106	AC162370.2
ENSMUSG00000099762.3	4.22508864	5.463368875	0.001142381	0.002586069	RP24-152F23.1
ENSMUSG00000040151.9	3180.516024	0.463348638	0.001147594	0.002597652	Hs2st1
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ENSMUSG00000032750.13	43.46025376	1.323730755	0.001148331	0.002598889	Gab3
ENSMUSG00000056770.15	3208.589516	0.350737761	0.00114883	0.002599802	Setd3
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ENSMUSG00000097944.1	92.68862681	0.883895919	0.001153643	0.002610261	RP23-441L19.1
ENSMUSG00000090861.1	4.148666006	5.422703995	0.001153942	0.00261072	Arf4os
ENSMUSG00000049690.15	23.97565193	1.532206874	0.001158234	0.002620212	Nckap5
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ENSMUSG00000081052.1	76.89154983	-1.017065787	0.001181222	0.00266978	RP23-230D17.3
ENSMUSG00000009075.2	83.0821966	-0.883515722	0.00118199	0.002671294	Cabp7
ENSMUSG00000030337.16	367.4151793	0.93044242	0.001184409	0.002676538	Vamp1
ENSMUSG00000052783.16	31.30035714	1.28936506	0.00118473	0.002677042	Grk4
ENSMUSG00000056219.7	30.49139148	2.055953133	0.001186073	0.002679854	Tmem229b-ps
ENSMUSG00000111242.1	9.295394752	-2.77588938	0.001188667	0.002685492	CH25-395E5.2
ENSMUSG00000050558.13	118.6892717	1.19146858	0.001194669	0.002698828	Prokr2
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ENSMUSG00000112690.1	777.8265696	0.612895682	0.001200728	0.002711617	RP24-226N22.2
ENSMUSG00000037152.11	1281.78044	1.191677583	0.001202537	0.002715477	Ndufc1
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ENSMUSG00000013033.16	6750.873351	0.727664533	0.00120678	0.002724381	Adgrl1
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ENSMUSG00000059355.13	1169.340806	0.893080848	0.001211658	0.002734906	Wdr83os
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ENSMUSG00000050315.13	36.10516463	-1.165157613	0.001212442	0.002736256	Synpo2
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ENSMUSG00000108920.1	3.385999826	5.134969996	0.001216254	0.002744404	RP23-350J16.2
ENSMUSG00000021506.7	11.30422203	2.814859643	0.001217032	0.002745933	Pitx1
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ENSMUSG00000030093.7	185.6390856	-0.704829492	0.001222278	0.002757084	Wnt7a
ENSMUSG00000091002.2	446.5595683	0.746148156	0.001222544	0.002757456	Tcerg11
ENSMUSG00000085615.2	25.92866017	1.65094102	0.001222948	0.002758139	RP23-18J12.1
ENSMUSG00000004655.5	9.707132409	2.372699308	0.00122654	0.002766011	Aqp1
ENSMUSG00000078584.9	1420.740376	0.52328366	0.001228795	0.002770865	RP23-344D2.9
ENSMUSG00000022681.15	2014.035333	0.698560376	0.001230381	0.002774213	Ntan1
ENSMUSG00000024191.14	868.7783916	0.660491924	0.001231163	0.002775746	Bnip1
ENSMUSG00000081985.1	39.02253724	1.432257425	0.001239595	0.002794526	Gng2-ps1
ENSMUSG00000040554.10	37.77032512	1.392624103	0.001240197	0.002795652	Aipl1
ENSMUSG00000085996.1	6.646110873	-3.348792307	0.001244635	0.002805423	RP23-76M24.3
ENSMUSG00000029535.4	929.9449729	0.601150543	0.001245353	0.00280681	Triap1
ENSMUSG00000003662.10	1325.444999	0.404387664	0.001245694	0.002807346	Ciao1
ENSMUSG00000031997.9	8.062075273	3.034040076	0.001247498	0.002811178	Trpc6
ENSMUSG00000078515.4	3444.680544	-0.892959714	0.001247965	0.002811999	Ddi2
ENSMUSG00000099398.1	4.705959817	-4.773963797	0.001250137	0.002816659	Ms4a14
ENSMUSG00000106558.1	51.76926616	1.290652124	0.001250296	0.002816785	RP24-224N3.8
ENSMUSG00000071052.3	5613.59277	-0.785714264	0.001250707	0.002817477	Rpl7a-ps5
ENSMUSG00000116851.1	4.113038866	5.405234164	0.001251257	0.002818483	RP24-95E21.4
ENSMUSG00000052180.15	7.512371456	3.71100851	0.001251912	0.002819725	Serpinc6
ENSMUSG00000034157.12	2042.910608	-0.565613563	0.001255242	0.002826994	Cipc
ENSMUSG00000022342.6	8.342611863	3.889400998	0.00125644	0.002829457	Kcnv1
ENSMUSG00000093720.1	3.397704633	5.139302903	0.0012568	0.002830034	RP23-372N19.1
ENSMUSG00000051510.13	4362.218874	-0.545023019	0.001258836	0.002834385	Mafg
ENSMUSG00000025089.15	723.333319	0.899039632	0.001259089	0.00283472	Gfra1
ENSMUSG00000115220.1	74.31051471	1.183800773	0.001260951	0.002838676	RP23-63F23.5
ENSMUSG00000068917.12	1309.507837	-0.610912254	0.001263086	0.002843247	Clk2
ENSMUSG00000051262.9	4.138346519	-5.596568888	0.001264	0.002845295	Cml3
ENSMUSG00000029843.4	74.93504147	-0.941565948	0.001264643	0.002846282	Slc13a4
ENSMUSG00000093483.1	157.8850225	1.159864347	0.001265252	0.002847419	RP23-381B19.7
ENSMUSG00000029681.12	562.3166329	0.524600591	0.001265715	0.002848224	Bcl7b
ENSMUSG00000005947.11	13.07801008	-1.900032159	0.001266803	0.002850391	Itgae
ENSMUSG00000024208.15	1575.072085	1.211314642	0.001266887	0.002850391	Uqcc2
ENSMUSG00000093289.1	3.435695622	-5.329506564	0.001268689	0.00285421	Snord92
ENSMUSG00000095545.7	493.0473302	-1.911128711	0.001269009	0.002854694	RP23-294G7.3
ENSMUSG000000038496.16	17.03795145	-1.787383279	0.001269689	0.002855988	Slc19a3
ENSMUSG00000113903.1	5.203481601	4.750595813	0.001269915	0.00285626	RP24-441F13.14
ENSMUSG00000029570.5	183.5041098	0.671755149	0.00127019	0.002856644	Lfng
ENSMUSG00000031847.8	113.9761265	0.933364979	0.001273001	0.002862728	RP23-117O14.2
ENSMUSG00000077457.1	66.56434085	-1.094134333	0.001273693	0.002864048	Snord65

ENSMUSG00000084925.8	14.10400421	2.675829117	0.001277063	0.002871389	RP24-155O13.2
ENSMUSG00000090042.1	17.23266161	-1.82891966	0.001277394	0.002871897	AC158958.5
ENSMUSG00000054568.7	4.731048983	-4.780526721	0.001280687	0.002879061	Usp171a
ENSMUSG000000041471.9	293.0140468	-0.869871406	0.001280804	0.002879086	Fam35a
ENSMUSG00000017286.15	1793.450108	0.498207473	0.001281632	0.002880711	Glod4
ENSMUSG00000097711.1	15.51884516	-1.77970262	0.001281805	0.002880862	RP23-70F22.1
ENSMUSG00000058833.11	1285.13573	1.114458109	0.001283633	0.002884733	AC157774.6
ENSMUSG00000063021.3	8.966917947	-2.616050355	0.001284253	0.002885651	Hist1h2ak
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ENSMUSG00000046280.9	27.92081746	-2.091993101	0.001285321	0.002887811	She
ENSMUSG00000068859.5	11.96089908	2.398795152	0.001285727	0.002888486	Sp9
ENSMUSG00000022194.15	1528.705903	0.392332133	0.001287316	0.00289181	Pabpn1
ENSMUSG00000085510.1	3.865488537	5.332801272	0.001287419	0.00289181	RP23-298H6.1
ENSMUSG00000033845.13	2944.501108	-0.827207314	0.001290226	0.002897679	Mrpl15
ENSMUSG00000049891.4	602.7035623	-0.562606093	0.001290245	0.002897679	RP23-267J18.6
ENSMUSG00000103284.1	13.48329787	2.315613521	0.001291231	0.002899655	RP23-34611.4
ENSMUSG00000021669.15	1652.74151	-0.760415149	0.001291555	0.002900145	Col4a3bp
ENSMUSG00000017167.6	26.63721682	2.617195468	0.001291984	0.002900868	Cntnap1
ENSMUSG00000022721.19	1322.16764	-0.4166077	0.001294946	0.002907278	Trmt2a
ENSMUSG00000078601.4	8.257418378	2.781825102	0.001295136	0.002907466	RP23-27B23.5
ENSMUSG00000114557.1	60.42478269	-1.496504335	0.001296397	0.002910057	RP24-364C6.1
ENSMUSG00000025955.13	6.985885073	3.173189987	0.001299411	0.002916581	Akr1cd
ENSMUSG00000065176.1	4.43649911	5.510822079	0.001299618	0.002916805	Rnu12
ENSMUSG00000029782.19	2573.439913	-0.532140136	0.001300372	0.002918259	Tmem209
ENSMUSG00000097739.1	4.639119578	-4.75360205	0.001304538	0.002927366	RP23-58L22.3
ENSMUSG00000070490.4	37.78270172	-1.187638364	0.001305659	0.002929641	RP24-117F4.1
ENSMUSG00000028435.8	15.77188943	2.192344159	0.001308589	0.002935973	Aqp3
ENSMUSG00000019256.17	259.9670097	-1.072301079	0.001310663	0.002940385	Ahr
ENSMUSG00000092186.1	41.55099461	-1.199168206	0.001311281	0.002941528	RP23-452G2.7
ENSMUSG00000097740.1	9.063965879	-2.492041128	0.001315849	0.002951533	E030044B06Rik
ENSMUSG000000065635.1	16.93940221	-2.439671637	0.001330947	0.002985151	Gm24253
ENSMUSG00000029061.2	14.3208597	2.515696045	0.001332528	0.002988453	Mmp23
ENSMUSG00000041354.15	1087.78714	-0.623511853	0.00133269	0.002988467	Rgl2
ENSMUSG00000044719.4	3.275963793	-5.260266745	0.001332754	0.002988467	AC115631.4
ENSMUSG00000020133.8	1052.635477	0.879844501	0.001334985	0.002993223	RP23-341K9.1
ENSMUSG00000036975.5	375.0194845	-0.532503276	0.001335776	0.002994751	Tmem177
ENSMUSG00000089645.3	871.9320766	-0.770171692	0.001336449	0.002995766	RP24-425F2.2
ENSMUSG00000102442.1	26.45091714	-1.467109634	0.001336351	0.002995766	RP23-95L22.2
ENSMUSG00000028059.15	3305.006031	-0.715288327	0.001337204	0.002996964	Arhgef2
ENSMUSG00000109713.1	3.47746256	-5.344292145	0.00133719	0.002996964	RP24-95J4.3
ENSMUSG00000059588.13	40.3925642	1.37293791	0.001337741	0.002997922	Calcr1
ENSMUSG000000027635.15	393.1503733	-0.827424926	0.001339175	0.003000089	Dsn1
ENSMUSG00000084616.1	7.979220393	-3.265579997	0.00133947	0.003001303	Gm25047
ENSMUSG00000008200.14	3577.967201	-0.770871421	0.001340266	0.003002839	Fnbp4
ENSMUSG000000086181.1	4.042020361	5.400956389	0.001341941	0.003006346	AC161228.1
ENSMUSG00000030051.10	475.3134539	0.499553843	0.001351703	0.003027967	Ap1f
ENSMUSG00000109385.1	4.458093626	5.522796429	0.001352296	0.003029046	RP23-121F17.1
ENSMUSG00000103336.1	8.235034201	2.791098292	0.001352502	0.003029258	RP24-529L21.7
ENSMUSG00000110836.1	3.435659591	5.162682031	0.00135401	0.003032387	RP24-79I19.6
ENSMUSG00000089812.2	3.793721538	5.286339726	0.001354336	0.003032867	RP23-381K21.2
ENSMUSG00000042700.16	2181.663314	-1.044860401	0.001357608	0.003039943	Sipa11
ENSMUSG00000007415.15	3611.413228	-0.419368515	0.001358639	0.003042002	Gatad1
ENSMUSG000000086774.1	10.0193274	2.616476916	0.001359392	0.003043437	RP23-200B23.1
ENSMUSG00000057262.2	15272.2042	-0.812440485	0.001359843	0.003044198	RP23-275G21.1
ENSMUSG00000071332.11	3.705829873	5.272790429	0.001360838	0.003046176	RP23-4F16.3
ENSMUSG00000050730.17	507.9039716	-0.507848847	0.001362172	0.00304891	Arhgap42
ENSMUSG00000019295.8	614.5148149	0.517770045	0.001362841	0.003050156	Tmem129
ENSMUSG00000099804.1	5.190238638	4.725896819	0.001366829	0.003058833	RP24-280N11.1
ENSMUSG00000082632.1	5.921647813	-3.553202219	0.001367713	0.003060559	RP23-107K21.3
ENSMUSG00000106321.1	3.348557587	5.121658835	0.001370735	0.003067068	RP23-105M18.2
ENSMUSG00000073982.11	408.5298179	-0.526277563	0.001371115	0.003067668	Rhog
ENSMUSG00000111361.1	23.43876527	1.773747909	0.001373067	0.003071783	RP24-511J14.2
ENSMUSG00000014039.18	774.5810783	-0.844081147	0.001373291	0.00307203	Prdm15
ENSMUSG00000027274.16	292.9346974	0.651102093	0.001374064	0.003073507	Mkks
ENSMUSG00000101735.1	3.449179497	5.157183578	0.00137689	0.003079576	RP24-279G1.1
ENSMUSG00000023977.15	3386.105183	-0.820890668	0.001378633	0.003083222	Ubr2
ENSMUSG00000090191.1	3.533440964	5.18767629	0.001378939	0.003083653	RP23-57A16.3
ENSMUSG00000109016.1	7.021092525	4.244262265	0.001380011	0.003085797	RP23-182F18.2
ENSMUSG00000027301.7	3.559178396	5.19654941	0.001383146	0.003092553	Oxt
ENSMUSG00000024868.8	36.04104633	2.142839244	0.001383321	0.003092691	Dkk1
ENSMUSG00000022551.8	6163.205259	-0.613556936	0.00138447	0.003095005	Cyc1
ENSMUSG00000023992.14	3.921591224	-5.520713551	0.001384627	0.003095101	Trem2
ENSMUSG00000035818.14	4.403948281	5.524899653	0.001385692	0.003097229	Plekhs1
ENSMUSG00000087176.1	13.32675961	2.863080368	0.001386779	0.003099405	RP23-463K8.7
ENSMUSG00000111740.1	36.840803	1.294644155	0.001387047	0.003099748	RP23-350F7.3
ENSMUSG00000029462.18	3060.89555	0.584351854	0.001389165	0.003104227	Vps29
ENSMUSG00000030770.15	1568.663	0.564944364	0.001389763	0.003105308	Parva
ENSMUSG00000074811.2	193.1323424	-0.639868647	0.001390134	0.003105882	Hps6
ENSMUSG00000083900.2	49.76665883	-1.678349759	0.001390989	0.003107538	RP23-373D16.2
ENSMUSG00000033792.12	735.0774983	-1.789233194	0.001392767	0.003111	Atp7a
ENSMUSG00000080831.1	13.63834738	2.442570307	0.001392755	0.003111	RP23-286H14.4
ENSMUSG00000107742.1	37.34571418	1.370741194	0.001393404	0.003112169	RP23-89F9.2
ENSMUSG000000885135.7	7.159833051	4.269869342	0.001395405	0.003116382	RP23-89M14.2

ENSMUSG00000024477.3	592.9260409	-0.920322809	0.001396285	0.003118091	Pggt1b
ENSMUSG00000095111.1	14.93726517	2.606039002	0.001396834	0.003119061	Gm23713
ENSMUSG00000086196.7	5.854200744	-4.217341749	0.00139741	0.003120093	RP23-10L17.5
ENSMUSG00000039536.16	2414.101605	0.685636714	0.001398303	0.00312183	Stau1
ENSMUSG00000050936.5	7.013223041	3.652402712	0.001402675	0.003131334	RP23-16G3.1
ENSMUSG00000116733.1	24.73863989	1.682733522	0.001403031	0.003131873	RP24-69M4.6
ENSMUSG00000103396.1	55.07211712	1.290560014	0.001407073	0.003140637	RP24-360M7.1
ENSMUSG00000081457.1	382.5208937	1.091480316	0.001408578	0.003143738	RP23-244J24.1
ENSMUSG00000009035.15	1206.086557	0.628183541	0.001409293	0.003145077	Tmem184b
ENSMUSG00000036459.15	591.935925	-0.426734042	0.001410617	0.003147698	Wtip
ENSMUSG00000060586.10	4.699259704	-4.772288489	0.001410698	0.003147698	H2-Eb1
ENSMUSG00000006464.8	672.9710934	0.815630234	0.001413234	0.003153098	Bbs1
ENSMUSG00000096947.1	5.102362838	4.722307776	0.001414728	0.003156173	Gm26723
ENSMUSG00000029146.14	2840.165987	0.474827742	0.001415795	0.003158293	Snx17
ENSMUSG000000066415.4	2205.485781	-0.599881902	0.001416211	0.003158963	Msl2
ENSMUSG000000091144.2	82.03576375	-0.905045887	0.001417239	0.003160998	Phf11d
ENSMUSG00000004500.9	362.2964672	0.664383062	0.001419387	0.003165529	Zfp324
ENSMUSG00000105304.1	28.07768916	1.925269307	0.001425894	0.003179781	RP23-357D17.4
ENSMUSG000000027752.15	2035.581285	-0.586938412	0.001427356	0.003182782	Exosc8
ENSMUSG000000084196.1	3.1579989	-5.203283018	0.001428915	0.003185997	RP23-132K17.2
ENSMUSG00000028757.4	10584.03445	-0.43856083	0.00143161	0.003191743	Ddost
ENSMUSG00000020375.9	1295.406842	0.446110951	0.001432902	0.003194363	Rufy1
ENSMUSG000000057160.2	125.7294884	0.919429542	0.001440696	0.003211475	RP24-372N16.1
ENSMUSG000000037855.15	240.7007595	-0.898404187	0.001441629	0.003213291	Zfp365
ENSMUSG00000110928.1	14.39244105	2.685068453	0.001442383	0.00321471	RP23-114G13.1
ENSMUSG00000097303.2	51.81089171	1.119125732	0.001443601	0.003217162	RP24-245C15.2
ENSMUSG000000057280.15	3.325147973	5.112835833	0.00144479	0.00321902	Musk
ENSMUSG00000110902.1	3.325147973	5.112835833	0.00144479	0.00321902	RP23-353K11.3
ENSMUSG00000114815.1	3.325147973	5.112835833	0.00144479	0.00321902	RP24-304G19.2
ENSMUSG00000034708.11	4153.511936	0.381943693	0.001445989	0.00322143	Grn
ENSMUSG000000083264.1	4.742737925	-4.783750014	0.001446669	0.003222727	RP23-108D12.4
ENSMUSG00000058013.11	9674.225622	-0.658827872	0.001447298	0.003223818	11. Sep
ENSMUSG00000026621.13	3.360262394	5.125983395	0.001449142	0.003227661	01. Mrz
ENSMUSG00000048174.2	101.8575125	-0.79359821	0.001449678	0.003228592	Tmem81
ENSMUSG000000036309.14	24012.1769	0.803013461	0.001450831	0.003230895	Skp1a
ENSMUSG00000029434.12	2218.742155	0.473488274	0.001451272	0.003231613	Vps33a
ENSMUSG000000052812.5	1803.500774	-0.808577912	0.001452863	0.003234891	Atad2b
ENSMUSG00000011034.6	6.596126467	-4.409042048	0.001454813	0.003238969	Slc5a1
ENSMUSG00000041245.13	3583.027687	-0.852145798	0.001454987	0.003239091	Wnk3
ENSMUSG00000033318.7	190.2121998	-0.962307528	0.001455785	0.003240602	Gstt2
ENSMUSG00000016554.9	9235.462394	-0.583752171	0.001465285	0.003261482	Eif3d
ENSMUSG000000108831.1	6.960617434	-3.40164748	0.001465649	0.003262028	RP23-184F6.2
ENSMUSG00000062157.6	33.98233662	-1.385251954	0.001467345	0.003265534	lfnl1
ENSMUSG00000038400.15	881.3762597	-0.66675656	0.001467537	0.003265695	Pmepa1
ENSMUSG00000002400.17	1209.137832	-0.445935423	0.001470353	0.003271694	Tnlp1
ENSMUSG000000084313.1	6.526953266	-3.662449132	0.001475114	0.003282019	RP23-211M20.1
ENSMUSG00000058979.7	758.6571136	0.437636572	0.001476201	0.00328417	Cecr5
ENSMUSG00000026575.15	925.3096382	-0.434632613	0.001476934	0.003285532	Nme7
ENSMUSG000000032714.6	402.1662987	-0.53317037	0.00147725	0.003285968	Syde1
ENSMUSG00000035595.6	254.9013758	0.892651882	0.001477546	0.003286358	RP23-6P9.7
ENSMUSG00000025977.15	8.188099269	-3.261553673	0.001478021	0.003287146	Boll
ENSMUSG00000023923.10	621.2879914	-0.678178617	0.00148312	0.003298216	Tbc1d5
ENSMUSG000000058835.14	948.3665218	0.438391661	0.001483656	0.00329914	Abi1
ENSMUSG00000015714.11	2998.995478	-0.727369903	0.001484409	0.003300275	Cers2
ENSMUSG00000096366.1	34.1208672	-1.504584254	0.001484362	0.003300275	RP23-384D6.2
ENSMUSG000000083962.1	4.950050537	-4.833775106	0.001485264	0.003301907	RP23-373118.4
ENSMUSG000000062127.11	1648.245662	0.901140492	0.001486045	0.003303372	Cttnbp2nl
ENSMUSG00000067608.4	8201.83498	-0.656621734	0.001491221	0.003314608	Pcna-ps2
ENSMUSG00000020923.17	6805.855117	-0.363204273	0.00149302	0.003318337	Ubtf
ENSMUSG000000086166.1	4.817631348	4.624868601	0.001496145	0.00332501	RP23-359C15.4
ENSMUSG00000095199.7	495.0961035	-1.904212101	0.001499098	0.003331301	Zfp967
ENSMUSG00000031986.6	1073.33308	0.616697621	0.001499743	0.003332463	Sprtn
ENSMUSG00000098048.1	35.20069494	-1.346553584	0.001509164	0.003353123	RP23-18L24.1
ENSMUSG000000081892.2	12.59679453	-1.966229598	0.001509535	0.003353674	RP23-41A24.1
ENSMUSG00000031148.14	1285.841545	0.845180508	0.001511123	0.003356927	Gpkow
ENSMUSG00000001227.11	908.2001693	0.548583406	0.001512435	0.003359296	Sema6b
ENSMUSG00000026856.14	1151.864662	-0.508763823	0.001512433	0.003359296	Dolpp1
ENSMUSG000000099539.1	3.287193015	5.088225393	0.001513243	0.003360815	RP23-80D1.1
ENSMUSG00000090100.7	1365.602805	1.041097691	0.001514187	0.003362639	Ttbk2
ENSMUSG00000042961.13	123.7783774	0.719074326	0.00151433	0.003362681	Egflam
ENSMUSG000000061723.18	15.23102244	1.942217826	0.001519929	0.00337484	Tnnt3
ENSMUSG00000103520.1	21.38988121	1.63573033	0.001523578	0.003382665	RP23-310L8.1
ENSMUSG00000036941.2	341.8193598	0.878031748	0.001525621	0.003386926	Elac1
ENSMUSG00000026966.6	1410.76406	0.906870357	0.001528084	0.003392118	Ssna1
ENSMUSG00000107043.1	3.546171209	5.210074197	0.001529188	0.003394291	RP24-294K15.5
ENSMUSG00000005813.12	2860.757092	-0.374278126	0.001530589	0.003397125	Metap1
ENSMUSG00000024242.14	1596.118385	0.7379066	0.001531662	0.00339923	Map4k3
ENSMUSG000000082112.1	15.59457981	1.894668972	0.001535723	0.003407965	RP23-330D3.8
ENSMUSG000000031644.19	1328.349612	-0.777653214	0.001537423	0.003411458	Nek1
ENSMUSG00000116614.1	71.13078346	1.089123411	0.001542949	0.003423441	RP23-11N17.3
ENSMUSG00000027489.15	155.4074461	-0.796140235	0.001544601	0.003426828	Necab3
ENSMUSG000000056492.6	16.48056315	1.736618232	0.001554224	0.003447897	Adgrf5
ENSMUSG00000104970.1	5.887183816	4.915799432	0.001554512	0.003448255	RP24-374B14.8

ENSMUSG00000103995.1	4.768484302	4.612306183	0.001556811	0.003453074	RP23-397E2.4
ENSMUSG00000032580.12	6000.045069	0.631747027	0.001560753	0.003461535	Rbm5
ENSMUSG00000113528.1	19.97906824	1.699615405	0.001565931	0.003472736	RP23-5P19.9
ENSMUSG00000020745.15	17780.46511	0.665057565	0.001567423	0.003475762	Pafah1b1
ENSMUSG00000029613.15	2070.987571	-0.660222843	0.001567681	0.003476052	Eif2ak1
ENSMUSG00000095280.1	18.61816686	3.216682458	0.001571299	0.003483789	Gm21738
ENSMUSG00000102956.1	3.324635254	5.102034996	0.001573617	0.003488646	RP24-286D13.2
ENSMUSG00000029715.5	595.4281351	0.922397043	0.001574217	0.003489621	Pop7
ENSMUSG00000097563.1	3.336340061	5.10653384	0.001574313	0.003489621	RP23-271G7.2
ENSMUSG00000018999.14	1892.555183	-0.681229494	0.001580855	0.003503835	Slc35b4
ENSMUSG00000025558.17	284.5155743	-1.267585907	0.001581686	0.003505392	Dock9
ENSMUSG00000038002.8	1697.765082	-0.577951379	0.001582577	0.003507083	Cramp11
ENSMUSG00000099354.6	26.37224036	1.38641029	0.001585342	0.003512924	RP23-252112.5
ENSMUSG00000106917.1	2509.401834	-0.432168565	0.001587695	0.003517851	RP23-17D18.3
ENSMUSG00000105637.1	3.608325442	5.214560305	0.001589831	0.003522297	RP23-458G12.3
ENSMUSG00000081255.1	310.862512	-0.523477489	0.001590144	0.003522705	RP23-158L19.6
ENSMUSG00000109203.1	4.347582008	5.484919858	0.001594941	0.003533045	RP23-378D16.4
ENSMUSG00000022607.17	3018.882657	-0.605734169	0.001597049	0.003537427	Ptk2
ENSMUSG00000045482.16	6609.349606	-1.131919621	0.001597404	0.003537924	Trrap
ENSMUSG000000056579.18	8009.881232	0.637696011	0.00160332	0.003550738	Tug1
ENSMUSG00000054418.6	10.36577219	-2.203142417	0.001605023	0.003554222	RP24-133C15.1
ENSMUSG00000050891.9	650.5884053	0.536604976	0.001606367	0.003556909	Tatdn1
ENSMUSG00000025784.5	16.78676839	1.853227228	0.001607885	0.003559691	Clec3b
ENSMUSG00000028834.13	8.681847054	2.609627836	0.001607848	0.003559691	Trim63
ENSMUSG00000114226.1	3.116231963	-5.187308931	0.001609094	0.003562078	RP23-283J16.1
ENSMUSG00000028750.12	3.313443166	5.108256068	0.001612367	0.003569033	Pla2g2c
ENSMUSG00000114683.1	26.80655472	-1.429210938	0.001615701	0.003576124	RP23-298L3.3
ENSMUSG00000044058.8	25.83579724	-2.090092536	0.001616733	0.003578116	Mthfr-ps1
ENSMUSG00000031554.18	4.683710115	4.580797553	0.001616977	0.003578366	Adam5
ENSMUSG00000039013.16	7.326243503	-3.029249855	0.001619488	0.003583631	Siglecf
ENSMUSG00000022297.15	863.5714844	-0.677075631	0.001619761	0.003583946	Fzd6
ENSMUSG00000039976.4	5307.511279	0.958284201	0.001624843	0.003594897	Tbc1d16
ENSMUSG00000058581.7	1432.349544	-0.48892064	0.001630348	0.003606784	RP23-207D1.1
ENSMUSG00000022295.8	2992.436045	0.405127877	0.00163068	0.00360689	Atp6v1c1
ENSMUSG00000056612.6	3346.591413	-0.759640114	0.001630604	0.00360689	Ppp1r14b
ENSMUSG00000087694.8	4.97780273	4.681309334	0.001630793	0.00360689	RP23-230H3.7
ENSMUSG00000110791.1	3.531625866	5.19676518	0.00163248	0.003610329	RP23-255F14.4
ENSMUSG00000110032.1	6.452643888	-3.238338442	0.001636537	0.003619006	RP24-144M14.5
ENSMUSG00000107497.1	3.486621736	5.170826459	0.001637385	0.003620587	RP23-441J16.4
ENSMUSG00000112823.1	780.2471602	-1.378780938	0.001637778	0.003621168	RP24-255E14.2
ENSMUSG00000085600.7	4.631507971	5.5945769	0.001639047	0.003623675	RP24-249N9.2
ENSMUSG000000089887.2	3.437987408	5.162525529	0.001642207	0.003630366	RP24-498C9.3
ENSMUSG00000044145.2	51.66034605	1.251297102	0.001646377	0.003639248	RP23-206D14.1
ENSMUSG00000104318.1	35.07913687	1.716865471	0.001646492	0.003639248	Pcdha7
ENSMUSG00000031697.12	3088.748102	-0.565830413	0.001646863	0.003639774	Orc6
ENSMUSG00000071302.10	743.3372224	-0.401641493	0.001648032	0.003642062	RP24-122D14.1
ENSMUSG00000042508.16	2181.856953	-0.716919906	0.001653908	0.003654751	Dmtf1
ENSMUSG00000062687.6	33.90504066	-1.278148148	0.001654474	0.003655704	Cks1brt
ENSMUSG00000102664.1	6.496388432	-3.288734779	0.001660579	0.003668896	RP23-125114.1
ENSMUSG00000062933.7	53425.80238	-0.761984373	0.001662817	0.003673543	RP23-128A11.5
ENSMUSG00000031774.8	2476.279414	0.437688486	0.001663602	0.003674979	Fam192a
ENSMUSG00000026594.14	2835.551576	0.537058381	0.001664751	0.003677219	Ralgps2
ENSMUSG000000093887.8	76.37550824	0.940971121	0.001665989	0.003679656	RP23-51D4.1
ENSMUSG00000055137.7	23.73796533	1.415159968	0.001666382	0.003680225	Sugct
ENSMUSG00000085995.2	11.16181864	2.454541182	0.001667539	0.003682481	AC124977.2
ENSMUSG00000047250.13	47.53406322	-1.166639592	0.001676512	0.003701998	Ptgs1
ENSMUSG00000098099.1	5.682811703	-4.139480506	0.001677012	0.003702802	RP23-359M14.1
ENSMUSG00000107726.1	17.29912046	1.821426377	0.001678487	0.003705757	RP23-47A6.5
ENSMUSG00000016626.10	7.506124578	-3.812775006	0.00167934	0.003707341	Nlrp14
ENSMUSG00000043733.14	5883.992482	-0.713109093	0.001681933	0.003712764	Ptpn11
ENSMUSG00000043943.14	13.44419807	-2.76490059	0.001682393	0.003713479	Naalad2
ENSMUSG00000088326.1	4.532827762	-4.718150553	0.001682808	0.003714095	Gm25667
ENSMUSG00000112710.1	113.5192818	-0.852330445	0.001684975	0.003718575	RP23-117C21.3
ENSMUSG00000030230.15	3.311115348	5.107927502	0.001686948	0.003722627	Plcz1
ENSMUSG00000071035.5	1742.773173	0.605832658	0.001687567	0.003723692	RP23-310B17.2
ENSMUSG00000082154.1	284.8005403	-1.288717642	0.001688259	0.003724918	AC122400.3
ENSMUSG00000048373.8	162.3319116	0.722104738	0.00168894	0.003728324	Fgfbp1
ENSMUSG00000004221.16	1199.002611	0.691166268	0.0016893818	0.003736578	Ikbbk
ENSMUSG00000082566.1	48.00469943	-1.197138495	0.001694461	0.003737693	Rrm2-ps1
ENSMUSG00000103973.1	23.20414447	1.853150836	0.001695203	0.003739026	RP23-192P10.3
ENSMUSG00000088438.3	16.36437115	2.095142292	0.001699309	0.003747781	Adam21
ENSMUSG00000115379.1	95.90550834	-1.262782428	0.001701876	0.003753138	RP23-285C6.2
ENSMUSG00000109814.1	10.54648525	3.422534456	0.001703328	0.003756034	RP23-478L20.2
ENSMUSG00000022435.6	5.499666257	4.809729098	0.001711738	0.003774275	Upk3a
ENSMUSG00000026072.12	11.25591295	-2.064451207	0.001712467	0.003775577	Il1r1
ENSMUSG00000096375.2	6.664302309	3.557109021	0.00171372	0.003778033	RP23-278E1.5
ENSMUSG00000028960.18	10105.05766	-0.799919114	0.001714427	0.003779286	Ube4b
ENSMUSG00000053113.3	319.742283	0.813480821	0.00171754	0.003785842	Socs3
ENSMUSG00000107642.1	3.781227069	5.304117364	0.00172075	0.003792611	Tas2r141-ps4
ENSMUSG00000113255.1	952.1542092	-0.461766918	0.001721444	0.003793834	RP23-249L6.2
ENSMUSG00000028790.13	10844.52165	-0.460366405	0.001726917	0.003805588	Khdrbs1
ENSMUSG00000048528.7	106.1625396	-0.834438141	0.001730401	0.003812956	Nkx1-2
ENSMUSG00000091896.7	8390.835935	0.464519466	0.00173188	0.003815907	Ube2d2a

ENSMUSG00000083953.1	5.49733844	4.809562267	0.001732369	0.003816675	RP23-228H14.2
ENSMUSG00000037438.6	309.8825138	1.155089906	0.001733151	0.00381809	Uqcrh-ps1
ENSMUSG00000024993.15	847.1083745	0.457708515	0.001738152	0.003828797	Fam45a
ENSMUSG00000026826.13	104.0605829	0.880327445	0.001738663	0.003829614	Nr4a2
ENSMUSG00000104186.1	44.33771421	-1.395329024	0.001739408	0.003830944	RP23-396C13.1
ENSMUSG00000081875.1	73.24301848	-1.36061923	0.001741422	0.003835071	RP23-408K4.5
ENSMUSG00000108365.1	5.93369211	-4.227747752	0.001743612	0.003839583	RP24-174G2.2
ENSMUSG00000097935.1	11.61719114	-2.103621511	0.001754089	0.003862343	RP23-429I18.1
ENSMUSG00000032293.8	7099.452289	-0.667936872	0.001759074	0.003873006	Ireb2
ENSMUSG00000024847.14	1254.255518	0.690569107	0.001760463	0.003875751	Aip
ENSMUSG00000035364.1	38.93313926	1.544618957	0.001761595	0.003877928	4930524J08Rik
ENSMUSG00000069020.9	1494.527094	0.595959373	0.001762211	0.00387875	Urm1
ENSMUSG00000085655.5	22.5112465	1.765500038	0.001763856	0.003882279	AC116677.2
ENSMUSG00000019899.16	14.99239261	1.904806164	0.00176428	0.003882898	Lama2
ENSMUSG00000046204.14	1167.311479	0.37014341	0.00176575	0.00388582	Pnma2
ENSMUSG00000086016.1	9.638451191	2.35943231	0.001766786	0.003887785	RP23-186O3.2
ENSMUSG00000079659.5	318.4166374	-0.72783706	0.001768532	0.003891313	Tmem243
ENSMUSG00000102776.1	49.28972214	1.586773954	0.001772805	0.0039004	RP24-429G21.3
ENSMUSG00000089756.2	772.3186599	-1.756293499	0.001777364	0.003910114	RP23-355G16.6
ENSMUSG00000070605.4	1220.141376	-0.462418899	0.001778046	0.003911299	RP24-320O9.1
ENSMUSG0000004044.9	525.2549758	-0.527056092	0.001778504	0.00391199	Ptrf
ENSMUSG00000019478.16	1323.0134	0.606596722	0.001779557	0.003913675	Rab4a
ENSMUSG00000085980.2	7.846558666	3.801448721	0.001779461	0.003913675	RP23-155P8.1
ENSMUSG00000046671.18	3825.12901	0.418079425	0.001779908	0.003914131	Mtfr1l
ENSMUSG0000003809.14	919.7756198	-0.449654049	0.00178412	0.003922879	Gcdh
ENSMUSG00000035325.16	4907.502639	-0.804325918	0.001784174	0.003922879	Sec31a
ENSMUSG00000081716.1	4.258513483	-5.633766943	0.001792417	0.003940684	RP23-149P4.7
ENSMUSG00000101660.1	135.4689626	-1.431329526	0.001792597	0.003940763	RP23-397C14.2
ENSMUSG00000073125.10	1089.090992	0.380206538	0.001792893	0.003941094	Xlr3b
ENSMUSG00000063830.5	1423.552188	-0.745667648	0.001793874	0.003942933	RP23-460N1.1
ENSMUSG00000028407.4	43.85823368	1.387305557	0.001794032	0.003942963	Toporsos
ENSMUSG00000039515.11	5153.611306	0.583521414	0.001796933	0.00394902	Ppp2r4
ENSMUSG00000021944.15	10.00213445	-2.169184745	0.00179777	0.003950221	Gata4
ENSMUSG00000037379.3	5.371001361	4.804923245	0.001797747	0.003950221	RP23-24711.9
ENSMUSG00000032462.14	738.2137125	-0.606883259	0.001803091	0.003961594	Pik3cb
ENSMUSG00000057990.4	17401.38517	-0.770203954	0.001804052	0.003963386	RP23-217B9.1
ENSMUSG00000102652.1	3.322820155	5.112247823	0.001804421	0.003963878	RP24-372I24.2
ENSMUSG0000004043.14	169.6703328	0.999779234	0.001805722	0.003966416	Stat5a
ENSMUSG00000042050.8	413.7289472	0.480565662	0.001806375	0.003967529	Wdr60
ENSMUSG00000116775.1	8.007602612	3.047804739	0.001807918	0.003970598	RP23-344H4.8
ENSMUSG00000103313.1	10.48608901	-2.820105451	0.001810422	0.003975776	RP24-88F2.3
ENSMUSG00000104904.1	16.38852818	2.196983988	0.001813167	0.003981484	RP24-317M4.2
ENSMUSG00000081610.1	6.401234111	4.144801023	0.001814585	0.003984277	RP23-116P4.3
ENSMUSG00000021809.10	161.8390035	0.692884398	0.001818403	0.003992338	Nudt13
ENSMUSG00000028072.6	44.67636324	1.054546543	0.001819721	0.003994911	Ntrk1
ENSMUSG00000086029.7	3.398217352	5.14872198	0.001820555	0.003996419	Pax6os1
ENSMUSG00000030095.10	2247.333807	0.460175104	0.00182251	0.004000388	Tmem43
ENSMUSG00000025090.8	25.48051615	-1.554131395	0.001829018	0.00401435	Ccdc172
ENSMUSG00000022350.7	2673.850238	-0.574113505	0.001831885	0.004020319	Washc5
ENSMUSG00000069267.2	29.98467041	-1.538190509	0.001832611	0.004021449	Hist1h3b
ENSMUSG00000106258.1	2284.826812	-0.757666468	0.001832695	0.004021449	Rpl7a-ps7
ENSMUSG00000065434.1	18.73206351	-1.586503513	0.001833536	0.00402297	Mir7-1
ENSMUSG00000025201.7	646.7965835	0.937849	0.001833924	0.004023498	Bloc1s2-ps
ENSMUSG00000103563.1	10.03075315	3.743217665	0.00183715	0.00403025	RP23-478K4.3
ENSMUSG00000007646.13	305.9105075	-0.529742361	0.001837758	0.004031259	Rad51c
ENSMUSG00000063383.5	190.3655767	-0.643788502	0.001839042	0.004033751	Zfp947
ENSMUSG00000079508.8	832.040414	0.676396591	0.001839767	0.004035016	Apoo
ENSMUSG00000031991.10	5.185882208	4.730576393	0.001840032	0.004035273	Spata19
ENSMUSG00000015721.18	6.10700595	4.044315772	0.001844183	0.004044051	Nlrp5
ENSMUSG00000028779.16	1174.726467	0.559450333	0.001845641	0.004046922	Pef1
ENSMUSG00000028558.14	9.104547811	2.975031138	0.001849526	0.004055113	Calr4
ENSMUSG00000046942.17	13.66459631	-2.276297138	0.001851473	0.004059055	Mageb16
ENSMUSG00000038784.13	1458.069856	-0.399817959	0.001851994	0.004059871	Cnot4
ENSMUSG00000029231.15	152.7350436	-0.733882687	0.001854894	0.004065902	Pdgfra
ENSMUSG00000019810.15	532.5136017	0.586014536	0.001859571	0.004075826	Fuca2
ENSMUSG00000025429.8	75.84023043	-1.137589218	0.001865235	0.00408791	Pstpip2
ENSMUSG00000036992.10	919.981253	-0.798477732	0.001868	0.004093642	Nxt1
ENSMUSG00000088947.1	5.800830307	4.917810566	0.001869441	0.004096469	Gm23257
ENSMUSG00000022868.6	3.507540556	-5.355076235	0.00187017	0.004097738	Ahsg
ENSMUSG00000109488.1	216.2284944	-0.839223184	0.001873565	0.004104846	RP23-7L11.5
ENSMUSG00000049001.5	106.8912005	1.012848881	0.001874246	0.004106007	Ndnf
ENSMUSG00000041702.7	2390.465176	-0.987943637	0.001874888	0.004107084	Btbd7
ENSMUSG00000097360.8	22.36485095	2.036041917	0.001876392	0.004110048	RP23-206J9.5
ENSMUSG00000099068.1	4.660829085	4.58660521	0.001883793	0.004125928	Gm27861
ENSMUSG00000112218.1	458.1682678	-1.010552923	0.001888868	0.004136711	RP23-187G5.2
ENSMUSG00000085248.2	3.383672009	5.134661247	0.001890079	0.00413903	RP23-429E18.1
ENSMUSG00000109588.1	3.422929346	5.139165524	0.00189244	0.004143867	Lnp1
ENSMUSG0000009158.9	1303.563169	1.290910765	0.001893369	0.004145569	Tmem160
ENSMUSG00000101130.1	13.74510125	-1.955171037	0.001896476	0.004152037	RP24-290F15.2
ENSMUSG00000038383.16	1280.895217	0.408868061	0.001902477	0.00416484	Pigu
ENSMUSG00000019122.8	4.8802983	4.633181398	0.001905376	0.004170851	Ccl9
ENSMUSG00000098761.1	47.27880444	-1.066822887	0.001911921	0.004184843	RP23-16D16.1
ENSMUSG00000097296.1	15.37204068	1.875234804	0.00191817	0.004198183	RP24-64D24.4

ENSMUSG00000041684.11	1441.02839	-0.567880804	0.00191868	0.004198962	Bivm
ENSMUSG00000026969.3	3.214636355	5.060830717	0.001919384	0.004200165	Fam166a
ENSMUSG00000114516.1	4.58491917	4.548598117	0.001919752	0.004200633	RP23-370B22.4
ENSMUSG00000105803.1	3.657472488	5.232903504	0.001921792	0.004204759	RP23-103L12.1
ENSMUSG00000022292.16	434.1663654	0.895371299	0.001923051	0.004207175	Rrm2b
ENSMUSG00000104402.1	4.578219058	4.548603932	0.001923372	0.004207541	RP23-327M13.3
ENSMUSG00000106709.1	3.634062874	5.224337013	0.001929349	0.004220276	RP24-169J24.2
ENSMUSG00000028608.15	850.9585606	0.724758948	0.00193243	0.004226676	RP23-40G2.3
ENSMUSG00000039063.5	9.743476045	2.55903718	0.001934605	0.004230755	Echdc3
ENSMUSG00000054715.11	437.9242169	-0.87180595	0.001934559	0.004230755	Zscan22
ENSMUSG00000004902.7	16.63023306	1.80402798	0.00193723	0.004236154	Slc25a18
ENSMUSG000000079224.5	935.1901084	-0.419564457	0.001938093	0.004237702	RP24-114M8.2
ENSMUSG00000031925.17	340.9610106	0.683508219	0.001939752	0.004240989	Maml2
ENSMUSG00000042942.17	537.2522285	1.062219716	0.001941274	0.004243976	Greb1l
ENSMUSG000000097233.1	4.571383399	4.551505623	0.001941632	0.004244418	Gm17552
ENSMUSG000000009647.13	538.4749864	0.476334167	0.00194882	0.00425979	Mcu
ENSMUSG00000039148.4	3353.203134	-0.392780475	0.00194932	0.00426054	Sart1
ENSMUSG00000026956.15	264.94148	0.807912707	0.001951082	0.004264049	Uap11l
ENSMUSG00000081021.1	489.7710435	0.986420703	0.001958687	0.004280327	RP23-387E5.3
ENSMUSG00000108415.1	41.21229933	-2.107377445	0.001959321	0.004281368	RP24-191C15.5
ENSMUSG00000104197.1	8.184815202	2.520774522	0.001964342	0.004291996	RP23-44N5.7
ENSMUSG000000097077.1	14.44416433	2.055586617	0.001967725	0.004299043	Gm16712
ENSMUSG00000030400.17	1693.808934	-0.448810351	0.001969951	0.004303561	Ercc2
ENSMUSG00000018572.10	3656.15647	-0.439454542	0.001971749	0.004307143	Phf23
ENSMUSG00000048720.7	516.1563719	0.533203635	0.001976674	0.004317209	Tbc1d12
ENSMUSG00000100341.1	24.03105232	2.543050352	0.001976614	0.004317209	RP23-146C24.2
ENSMUSG00000002132.15	36.79136756	1.493226272	0.001977369	0.004318381	Cldn10
ENSMUSG00000031864.16	2559.18072	-0.42181376	0.001979236	0.004322112	Ints10
ENSMUSG000000087396.7	571.2368922	-1.209341391	0.001979961	0.004323335	RP23-235P16.3
ENSMUSG00000004661.15	1803.630155	-0.76496354	0.001981293	0.00432591	Arid3b
ENSMUSG00000029625.16	1958.645227	-0.374495862	0.001995473	0.004356522	Cpsf4
ENSMUSG00000017291.13	8113.491621	-0.677314844	0.001998597	0.004362993	Taok1
ENSMUSG00000094627.2	5774.944344	-0.492938159	0.002002136	0.004370368	RP23-187B11.15
ENSMUSG00000108030.1	4.622361409	4.558772661	0.002002316	0.00437041	RP23-374K9.4
ENSMUSG000000087114.1	8.026914336	2.736550317	0.002004875	0.004375644	AC152500.4
ENSMUSG00000114340.1	2.95478885	-5.109596957	0.002006032	0.00437747	RP23-388A16.8
ENSMUSG00000116920.1	2.95478885	-5.109596957	0.002006032	0.00437747	RP24-485J1.1
ENSMUSG00000044465.19	2226.816368	-0.851253791	0.0020066	0.004378358	Fam160a2
ENSMUSG00000026343.6	3.150943966	5.025812898	0.002007543	0.004380035	Gpr39
ENSMUSG00000084862.1	3.139239159	5.021085825	0.00200769	0.004380035	RP23-356J2.5
ENSMUSG00000093672.2	4.592764401	4.561393172	0.002009685	0.004383685	RP23-309I5.3
ENSMUSG00000103749.1	55.67454994	1.727467027	0.002009617	0.004383685	Pcdhgb5
ENSMUSG00000055972.5	3.633273212	5.246827547	0.002010808	0.004385782	RP23-33L24.1
ENSMUSG00000060376.7	1048.463777	0.623210573	0.002012265	0.00438861	Bckdha
ENSMUSG000000027317.8	7.043679256	-2.999310128	0.002013123	0.004390129	Ppp1r14d
ENSMUSG000000025956.10	499.2671429	0.427307396	0.002016982	0.004398194	Mettl21a
ENSMUSG00000090955.1	3.27425251	-5.259191168	0.002021389	0.004407451	RP24-538J1.2
ENSMUSG00000082119.1	4.804504367	-4.795488621	0.002022298	0.004408727	Cyp2j14-ps
ENSMUSG00000088591.1	10.44595271	-2.487326671	0.00202229	0.004408727	Gm23964
ENSMUSG00000023972.9	4828.726222	-0.734192806	0.002022597	0.004409024	Ptk7
ENSMUSG00000082585.3	4074.153682	-0.732955665	0.002030629	0.00442618	AC118627.1
ENSMUSG00000040693.7	19.84549704	-2.370500006	0.002034877	0.004435084	Slco4c1
ENSMUSG00000104675.1	10.18974368	2.868541679	0.002042426	0.004451182	RP23-209N19.4
ENSMUSG00000019809.16	665.9199196	0.442784923	0.00204597	0.004458548	Pex3
ENSMUSG00000073676.4	6921.678244	-1.022225055	0.002047513	0.004461553	Hspe1
ENSMUSG000000021741.4	347.9315937	0.868621673	0.00205016	0.004466965	RP23-106K9.5
ENSMUSG000000033249.10	31.91351707	1.307510285	0.002051011	0.004468461	Hsf4
ENSMUSG00000099870.1	48.73614466	-1.028841471	0.002051648	0.004469491	RP24-459N9.1
ENSMUSG00000035067.9	914.1973215	-0.90101498	0.002053915	0.004474072	Xkr6
ENSMUSG000000026425.15	2007.948273	-0.692355238	0.002061114	0.004489395	Srgap2
ENSMUSG000000049739.10	2377.618162	-1.057744229	0.002065337	0.004498235	Zfp646
ENSMUSG00000070025.8	17.61046675	-1.668835721	0.002071684	0.004511696	AC130841.3
ENSMUSG00000043020.13	4.573198497	4.542180251	0.002072385	0.004512863	Wdr63
ENSMUSG000000042406.8	8599.951153	-0.495095783	0.002072836	0.004513483	Atf4
ENSMUSG00000075245.4	6470.274046	-0.793598272	0.002073182	0.004513877	RP23-402C9.1
ENSMUSG00000104634.1	3.090092112	5.001915721	0.002082804	0.004534464	RP24-7907.1
ENSMUSG00000104210.1	3.594292818	5.210985758	0.002088914	0.004547403	RP23-453G13.1
ENSMUSG000000030243.16	1874.494218	-0.431207856	0.002092083	0.004553936	Recql
ENSMUSG00000022781.8	3701.525818	-0.584156485	0.002095818	0.004561703	Pak2
ENSMUSG000000072884.10	26.89083391	1.459632009	0.002099576	0.004569518	RP24-192I21.1
ENSMUSG000000097887.2	7.812635958	-2.98046355	0.002103778	0.004578829	RP23-319B15.9
ENSMUSG00000003227.4	6.556568846	3.07722076	0.002104105	0.004578643	Edar
ENSMUSG00000053453.9	3146.054641	0.563466289	0.002104941	0.004579887	Thoc7
ENSMUSG00000055538.7	224.0772508	-0.613772864	0.002105013	0.004579887	Zcchc24
ENSMUSG000000092260.7	109.7437266	0.938198557	0.002111989	0.004594697	Zfp963
ENSMUSG00000109051.1	9.743573399	-3.049143418	0.002122515	0.004617228	RP24-80O23.1
ENSMUSG00000114610.1	6.838579481	3.15947923	0.00212577	0.004623941	Cyp2c52-ps
ENSMUSG000000091698.8	8.616250893	-2.659291072	0.002128118	0.004628678	RP23-78F6.5
ENSMUSG000000054939.6	72.71801166	1.382495345	0.002131162	0.004634929	Zfp174
ENSMUSG00000081744.1	10.19775812	-2.180213035	0.002131419	0.004635118	RP24-548D19.1
ENSMUSG000000098779.2	65.28125143	-2.018822536	0.002131658	0.004635267	RP23-447L9.1
ENSMUSG000000025787.6	4.265371414	5.478136036	0.002133517	0.00463857	Tgm4
ENSMUSG000000047988.1	4.265371414	5.478136036	0.002133517	0.00463857	RP23-157O10.6

ENSMUSG00000089973.3	2.966477792	-5.114302975	0.002135822	0.004643209	Vmn1r190-ps
ENSMUSG00000102398.1	3.668387634	5.258998854	0.002136799	0.004644963	RP23-255J24.2
ENSMUSG00000042761.14	8.462898945	2.799552456	0.002137277	0.004645631	Mrap2
ENSMUSG00000099644.1	3.631735056	5.224414302	0.002139953	0.004651078	RP23-299F18.1
ENSMUSG00000034634.7	2.943099908	-5.104845185	0.002143336	0.004658058	Ly6d
ENSMUSG0000003070.6	621.3137747	0.550729662	0.002143682	0.004658439	Efna2
ENSMUSG00000072492.5	21.83580812	1.649596003	0.002144014	0.004658787	RP23-171A13.6
ENSMUSG00000030270.11	15.4883548	-2.172075223	0.002146128	0.004663011	Cpne9
ENSMUSG00000021650.7	1307.40021	-0.628103309	0.002154938	0.004681779	Ptcd2
ENSMUSG00000085628.4	10.32622781	2.131661926	0.002158685	0.004689546	Appbp2os
ENSMUSG00000109980.1	6.237589793	4.078692375	0.002164451	0.004701697	RP23-93A22.3
ENSMUSG00000014243.5	541.1393189	1.09518722	0.002168784	0.004710734	Zswim7
ENSMUSG00000066191.12	198.1387873	0.793045072	0.002171719	0.004716733	Anks6
ENSMUSG00000030898.15	14.15761439	-2.77793432	0.002172778	0.004718656	Cckbr
ENSMUSG00000113477.1	6.483045508	-3.77502637	0.002177546	0.004728633	RP23-174A9.1
ENSMUSG00000024409.8	22.87514556	-1.432484681	0.002178147	0.004729305	Psors1c2
ENSMUSG00000031433.15	700.9310896	-1.634122935	0.002178202	0.004729305	Rbm41
ENSMUSG00000075589.3	3.127534351	5.016471392	0.002179537	0.004731826	RP23-9G13.9
ENSMUSG00000082127.2	548.1383765	-0.847727978	0.002181772	0.0047363	RP23-34C18.1
ENSMUSG00000062944.4	190.7059661	0.646538943	0.002182821	0.004738176	RP23-144N15.11
ENSMUSG00000106200.1	3.064354681	4.992147403	0.002185927	0.004744565	Gm44341
ENSMUSG00000039033.11	451.7645066	-0.45255331	0.002191727	0.004756774	Tasp1
ENSMUSG00000073131.12	1930.853717	0.627327257	0.002194206	0.004761774	Vma21
ENSMUSG00000062382.9	24773.3644	0.769477993	0.002195296	0.004763762	RP23-44G15.5
ENSMUSG00000056328.14	3.250263495	5.084602053	0.002201222	0.004776239	Myh1
ENSMUSG00000096722.2	514.881003	-0.855713012	0.002204602	0.004783193	RP23-79G18.6
ENSMUSG00000047963.7	242.1260201	-0.742595329	0.002206379	0.004786667	Stbd1
ENSMUSG00000050234.7	33.39472553	1.189030884	0.002209084	0.004792154	Gja4
ENSMUSG00000065613.1	6.498204612	-3.729049311	0.002211214	0.004796393	Mir92-2
ENSMUSG00000019027.8	27.98615594	1.31918682	0.002215485	0.004805274	Dnah1
ENSMUSG00000111333.1	4.325987492	5.474424189	0.002216366	0.004806802	RP23-240G3.4
ENSMUSG00000036510.17	576.8763429	-0.961025645	0.002217434	0.004808735	Cdh8
ENSMUSG00000036391.16	1810.7456575	-0.853710705	0.002222866	0.004820131	Sec24a
ENSMUSG00000022309.9	261.4931597	0.649906511	0.002223104	0.004820265	Angpt1
ENSMUSG00000026643.16	5189.576389	-0.331624667	0.002223413	0.00482055	Nmt2
ENSMUSG00000084004.1	7.683239513	-3.545932218	0.002223662	0.004820707	RP23-202E24.2
ENSMUSG00000064090.14	322.6929554	-0.595292355	0.002224309	0.004821726	Vrk2
ENSMUSG00000030124.2	137.715604	0.896958468	0.002226296	0.004825649	Lag3
ENSMUSG00000091985.1	51.69186759	1.09187001	0.002227067	0.004826935	RP23-406B13.10
ENSMUSG00000080958.1	3.096131626	-5.179105284	0.002230912	0.004834885	RP23-154A10.2
ENSMUSG00000031959.15	1543.780273	-0.75248238	0.002233034	0.004839099	Wdr59
ENSMUSG00000055436.18	10079.17753	-0.38892452	0.002233574	0.004839883	Srsf11
ENSMUSG0000002266.17	125.9910369	1.319022551	0.00223652	0.004845883	Zim1
ENSMUSG00000111137.1	38.82038192	1.546237015	0.002239043	0.004850964	RP23-193N1.1
ENSMUSG00000116620.1	16013.2787	-0.7421811	0.002239265	0.004851059	RP23-373O10.2
ENSMUSG00000027433.5	5475.198661	-0.654651445	0.002239823	0.004851881	Xrn2
ENSMUSG00000114728.1	76.87731617	0.919401863	0.002241482	0.004855089	RP23-6117.1
ENSMUSG00000048699.4	16.89552911	1.668414187	0.002243177	0.004858374	Krt90
ENSMUSG00000092470.1	8.141835296	3.062701464	0.002245708	0.004863469	RP23-372H6.5
ENSMUSG00000023224.12	115.9541255	0.66828931	0.002251286	0.004875162	Serping1
ENSMUSG00000072423.5	8.501952506	2.578594431	0.002251974	0.004876264	Psmb11
ENSMUSG00000111696.1	3.669177295	5.237945663	0.002258749	0.004890545	RP23-269P7.4
ENSMUSG00000060445.11	6.766069336	3.598599051	0.002262591	0.00490432	Sypc2
ENSMUSG00000028076.12	15.4954549	2.109477728	0.002265747	0.004904917	Cd1d1
ENSMUSG00000043342.9	7.923781746	3.011684735	0.002266977	0.00490719	Hoxd9
ENSMUSG00000046345.5	6.31241189	3.462755152	0.002267804	0.004908589	Smco1
ENSMUSG00000107750.1	16.380014393	1.873097751	0.002276304	0.004926596	RP23-336L12.3
ENSMUSG00000059820.14	1573.272218	-0.374711958	0.002277057	0.004927835	RP23-47M24.3
ENSMUSG00000116754.1	3.622358067	5.220742015	0.002282319	0.004938831	RP23-129F22.3
ENSMUSG00000025545.10	240.6334974	-0.626549036	0.002283747	0.004941527	Clybl
ENSMUSG00000042680.7	401.6412142	-1.310995488	0.00228732	0.004948865	Gareml
ENSMUSG00000106609.1	3.0032559	-5.129314548	0.002290755	0.004955905	RP23-336O18.3
ENSMUSG00000054362.9	13.05239189	1.887617809	0.002291252	0.004956192	Lexm
ENSMUSG00000113660.1	430.402029	-0.783485519	0.002291116	0.004956192	RP23-95L9.4
ENSMUSG00000026087.11	1957.194284	0.873769799	0.002291636	0.004956629	Mrpl30
ENSMUSG00000114354.1	3.225828443	5.05506677	0.002292841	0.004958841	RP23-423B11.3
ENSMUSG00000080708.1	91.38767864	-1.155242608	0.002294184	0.004961352	Ccnd3-ps
ENSMUSG00000100839.1	228.6678226	-1.384189437	0.002299465	0.00497238	RP24-207M20.2
ENSMUSG00000034795.14	42.28715443	1.203101304	0.002301607	0.004976615	Ccdc122
ENSMUSG00000021745.14	2075.827249	-0.620017826	0.002311825	0.004998313	Ptprg
ENSMUSG00000031662.8	8.93267601	2.441027398	0.002312827	0.005000083	Snx20
ENSMUSG00000042116.3	67.42810958	-0.989204467	0.002313353	0.005000822	Vwa1
ENSMUSG00000043230.2	3.32271956	-5.277476047	0.002313759	0.005001302	Fam124b
ENSMUSG00000041203.9	3191.205652	0.887078226	0.002314617	0.00500276	RP23-359B23.5
ENSMUSG00000111329.1	8.007207037	2.75054513	0.002316464	0.005006355	RP23-228B2.3
ENSMUSG00000091387.2	42.67834369	-1.131146739	0.002321591	0.005017038	Gcnt4
ENSMUSG00000106100.1	180.9628667	-0.581010412	0.002323218	0.005020073	RP24-230D18.1
ENSMUSG00000042772.15	4394.837748	-0.806522958	0.002324058	0.005021572	Smg7
ENSMUSG00000027883.15	1115.315032	0.442574956	0.002324701	0.005022563	Gpsm2
ENSMUSG00000029478.16	2782.717817	-1.16385883	0.002328453	0.005030272	Ncor2
ENSMUSG00000086882.4	119.8333265	1.12328129	0.002332125	0.005037805	RP23-463M17.3
ENSMUSG0000005732.14	6288.00721	-0.929225599	0.002332745	0.005038744	Ranbp1
ENSMUSG00000022893.14	488.6254302	-0.920799844	0.002333595	0.00504018	Adamts1

ENSMUSG00000052479.5	72.75586505	-1.044015815	0.002341569	0.005057003	AC140724.2
ENSMUSG00000085360.1	17.44457818	-1.580650582	0.002343395	0.005060544	Arhgap27os2
ENSMUSG00000000409.14	394.0336345	-0.585173668	0.002346139	0.005066069	Lck
ENSMUSG000000024293.15	997.4140839	-0.48694516	0.002351335	0.005076886	Esco1
ENSMUSG000000021665.9	1021.452187	0.555640704	0.002352035	0.005077995	Hexb
ENSMUSG00000028452.7	22498.16203	-0.305455241	0.002352946	0.005079559	Vcp
ENSMUSG00000081952.1	178.2041958	-0.656727537	0.002358675	0.005091524	RP23-82J18.1
ENSMUSG00000039183.5	1561.003664	0.495683918	0.002363293	0.005101088	Nubp2
ENSMUSG000000046580.10	1210.346401	-0.52549647	0.002366751	0.005108146	RP24-406J12.2
ENSMUSG00000020260.9	1626.379192	-0.459205447	0.002367825	0.005110059	Pofut2
ENSMUSG00000096910.1	595.8236714	-1.439564514	0.00237235	0.00511942	Zfp955b
ENSMUSG00000038368.16	1254.719113	-0.812704337	0.002375906	0.005126689	Focad
ENSMUSG00000091140.1	7.418753252	2.881388483	0.002380099	0.005135328	RP24-264F22.1
ENSMUSG00000098760.1	6.596849995	-3.7496908	0.002380995	0.005136856	RP23-230F2.8
ENSMUSG00000000532.11	2561.951303	0.940205941	0.002383467	0.005141781	Acvr1b
ENSMUSG00000032816.15	630.6350925	0.998755903	0.002384359	0.00514289	Igdcc4
ENSMUSG00000054135.2	15.31914734	1.860025252	0.002384342	0.00514289	RP23-292F19.2
ENSMUSG00000115398.1	3.252591312	5.08467135	0.002386166	0.005146381	RP23-268P13.3
ENSMUSG00000002658.9	3686.652063	0.419404404	0.002395155	0.005165358	Gtf2f1
ENSMUSG000000037740.8	2064.37347	0.939611115	0.002396523	0.0051679	Mrps26
ENSMUSG00000005054.7	1044.086159	0.79319675	0.002398015	0.005170707	Cstb
ENSMUSG00000031400.10	1663.888888	-0.543248815	0.002405437	0.005186302	G6pdx
ENSMUSG00000086003.7	8.577280155	2.868093642	0.002405749	0.005186564	RP23-244C22.5
ENSMUSG00000113207.1	270.433157	-0.597275879	0.002408595	0.005192289	RP23-80B14.1
ENSMUSG00000040752.16	73.90666471	1.056250076	0.002408905	0.005192545	Myh6
ENSMUSG00000038902.14	3581.417611	-0.841033925	0.002411786	0.005198345	Pogz
ENSMUSG00000103925.1	4.732360308	4.589956961	0.002413313	0.005201225	RP24-230C18.1
ENSMUSG00000116539.1	4.211056015	5.457297315	0.002417659	0.005210179	RP23-122F3.2
ENSMUSG00000023952.13	1235.101594	0.53909651	0.002418781	0.005212185	Gtppb2
ENSMUSG000000093516.1	3.107820567	-5.183629294	0.00242028	0.005214894	RP23-38P5.15
ENSMUSG000000095956.1	61.25102182	-1.85866374	0.002420421	0.005214894	Zbed4-ps3
ENSMUSG00000066595.9	1272.510477	-0.70197083	0.002426698	0.005228003	Mfsd7b
ENSMUSG00000082193.1	18794.42003	-0.774723462	0.002429876	0.005234437	Rpl5-ps1
ENSMUSG000000050708.16	21091.5804	0.768784374	0.002430973	0.005236292	Ftl1
ENSMUSG00000098294.1	13.20934772	2.724872274	0.002435436	0.005245585	RP23-461P14.6
ENSMUSG00000026090.16	16.54781121	1.79832367	0.002438082	0.005250453	AC140321.1
ENSMUSG00000027889.17	2801.312625	-0.645183621	0.002438006	0.005250453	Ampd2
ENSMUSG000000032492.14	159.8981921	0.735636453	0.002444002	0.005261953	Pth1r
ENSMUSG00000068082.12	3.285377917	5.097896386	0.002443933	0.005261953	Grxcr1
ENSMUSG00000113616.1	3.285377917	5.097896386	0.002443933	0.005261953	RP23-287115.1
ENSMUSG000000025289.15	7508.008689	-0.859682037	0.00245328	0.005281511	Prdx4
ENSMUSG000000116632.1	15.62336733	2.686446266	0.002458545	0.005292428	RP23-68E6.1
ENSMUSG00000028576.12	1306.514036	0.455984422	0.002461312	0.005297967	Ift74
ENSMUSG00000026281.15	3323.862431	-0.750455693	0.002465466	0.005306488	Dtymk
ENSMUSG000000026028.12	2026.387598	-0.715280142	0.002472045	0.005320228	Trak2
ENSMUSG000000045532.5	151.4436938	-0.666669973	0.0024749	0.005325532	C1ql1
ENSMUSG00000095362.7	809.6109102	-0.728875547	0.002474785	0.005325532	RP23-275N21.2
ENSMUSG000000097586.1	35.04875036	-1.354551158	0.002476361	0.005328255	RP24-547D11.5
ENSMUSG000000047021.14	5.597124173	3.908058065	0.002482552	0.005341153	Cfap65
ENSMUSG00000020009.13	880.9272621	-0.433177854	0.002490069	0.005356902	Ifngr1
ENSMUSG00000038545.13	4130.174745	-0.542425455	0.00249323	0.005363279	Cul7
ENSMUSG000000043140.10	470.8153613	0.451472581	0.002494276	0.005365105	Tmem186
ENSMUSG0000000081418.1	1149.996685	0.846009767	0.002497997	0.005372686	RP23-9K14.2
ENSMUSG00000100394.1	22.2063216	2.92415707	0.002500821	0.005378335	RP23-258M15.1
ENSMUSG00000002728.14	1592.011743	-0.502958525	0.002503114	0.00538284	Naa20
ENSMUSG000000022130.10	541.1557382	-0.660551828	0.002506743	0.005390219	Tgds
ENSMUSG00000004320.1	1485.779685	0.89562538	0.00250751	0.005391443	RP23-139J21.4
ENSMUSG00000103685.1	8.467536897	3.94552179	0.002510296	0.005397008	RP24-443M8.1
ENSMUSG00000115212.1	45.47672291	1.221955957	0.002512839	0.005402048	RP23-119H13.4
ENSMUSG000000042303.19	745.5439166	0.455580854	0.002521015	0.005419198	Sgsm3
ENSMUSG00000018893.15	3.249238058	5.064871328	0.00252143	0.005419234	Mb
ENSMUSG00000029925.13	3.249238058	5.064871328	0.00252143	0.005419234	Tbxas1
ENSMUSG00000028106.13	2136.509778	-0.786408602	0.002522558	0.005421231	Rprd2
ENSMUSG00000020659.16	1244.012159	-0.67936774	0.002523406	0.005422621	Cbll1
ENSMUSG00000028444.17	2321.020165	0.728573022	0.002523603	0.005422621	Cntfr
ENSMUSG00000058590.2	13.71381126	-2.012756756	0.002525353	0.005425525	RP24-365G17.1
ENSMUSG000000064065.15	19.43703044	2.552720735	0.002525236	0.005425525	Ipcef1
ENSMUSG000000049659.15	2680.357835	0.526087936	0.002528823	0.005432551	Aftph
ENSMUSG00000113565.1	270.8787871	-0.595084967	0.002535485	0.005446434	RP23-80B14.2
ENSMUSG00000109397.1	3.697755263	5.254757528	0.002541519	0.005458966	RP24-74L7.4
ENSMUSG000000005952.15	3.27497549	5.074681988	0.002550283	0.005476926	Trpv1
ENSMUSG00000093102.1	3.27497549	5.074681988	0.002550283	0.005476926	Mir3475
ENSMUSG00000074195.3	6.751488099	-3.350971325	0.002553917	0.005484298	Ctca4b
ENSMUSG00000014956.15	10359.75289	-0.306141814	0.002558505	0.005493718	Ppp1cb
ENSMUSG000000035948.13	84.87751754	0.959146756	0.002562812	0.005502533	Acss3
ENSMUSG00000032086.12	1961.703813	0.770556278	0.002563337	0.005503225	Bace1
ENSMUSG00000026492.11	606.2655993	-0.430018864	0.002564054	0.005504331	Tfb2m
ENSMUSG00000097892.2	4.348032345	4.471117665	0.002564756	0.005505404	RP24-297D18.1
ENSMUSG00000075553.2	16.60066847	2.204374028	0.002567644	0.005511168	RP24-340P22.5
ENSMUSG00000025128.7	20.67934709	1.65196956	0.002569583	0.005514896	Bhlhe22
ENSMUSG000000086862.1	3.346242463	-5.28662746	0.002576572	0.00552946	RP23-255J22.5
ENSMUSG00000081013.1	60.2806351	0.958915951	0.002580492	0.005537437	RP23-149G14.3
ENSMUSG00000038187.14	1235.677778	0.53597388	0.002582373	0.005541037	Btbd10

ENSMUSG00000091775.1	764.5977994	-0.467471253	0.002583554	0.005543134	Gm16494
ENSMUSG00000110747.1	3.716509243	5.262425112	0.002588076	0.005552399	RP24-531B21.4
ENSMUSG00000115085.1	20.63063581	-1.601728578	0.002592442	0.005561327	RP24-439K11.2
ENSMUSG000000031358.17	925.4773104	0.443310999	0.002595716	0.005567913	Msl3
ENSMUSG00000105471.1	7.052908455	3.163327241	0.002603125	0.005583366	RP23-396K22.3
ENSMUSG00000099624.1	123.7037689	-1.37752242	0.002603776	0.005584322	RP24-171A4.1
ENSMUSG00000082061.1	44.62062016	-1.027248593	0.002606957	0.005590704	RP23-321M16.1
ENSMUSG00000114439.1	2.931410966	-5.099916929	0.002608085	0.005592244	RP23-244111.1
ENSMUSG00000115842.1	24.04245084	2.325258969	0.002608075	0.005592244	RP24-440G8.8
ENSMUSG00000028845.15	13.15335847	2.151244322	0.002609836	0.005595558	Tekt2
ENSMUSG00000068262.4	21386.1093	-0.796687407	0.002618653	0.005614019	RP23-4F16.9
ENSMUSG00000060811.4	116.2945581	-0.763188584	0.002621024	0.005618661	RP23-374P12.2
ENSMUSG00000099127.1	3.087764295	5.001714152	0.002626583	0.005630134	Gm27320
ENSMUSG00000045555.3	18.6474024	1.951430202	0.002627012	0.00563061	Mett124
ENSMUSG00000024867.14	119.1365728	-0.678186866	0.002630445	0.005637525	Pip5k1b
ENSMUSG00000055322.15	425.7311817	-1.248222972	0.002632454	0.005641386	Tns1
ENSMUSG00000036461.16	127.6930426	0.824642958	0.002634191	0.005644665	Elf1
ENSMUSG00000116583.1	19.65286554	1.938818354	0.002634457	0.005644791	RP24-120H1.4
ENSMUSG00000054662.8	3.016656125	-5.135012842	0.002635846	0.005647324	Ano9
ENSMUSG00000061322.15	19.72726103	1.536371009	0.002636159	0.00564755	Dnaic1
ENSMUSG00000049871.14	6.890034091	4.260075507	0.002637646	0.005650291	Nlrc3
ENSMUSG00000085642.8	21.29571855	1.489920895	0.002640846	0.005656701	RP23-33N12.1
ENSMUSG00000083019.2	1256.121551	0.924394515	0.002641141	0.005656888	RP23-273N4.4
ENSMUSG00000064927.1	5.016034631	4.671359369	0.002645633	0.005666063	Gm22043
ENSMUSG00000074001.3	2.953843063	4.935464502	0.002648473	0.005671701	Klh40
ENSMUSG00000055148.7	39.68471002	1.13016929	0.002649218	0.00567285	Klf2
ENSMUSG00000100512.1	3.114014445	5.022232951	0.002655375	0.005685587	Ovol3
ENSMUSG00000079179.9	599.8343144	0.64163313	0.00265666	0.005687892	Rab10os
ENSMUSG00000026142.15	564.7859536	-0.768644847	0.002657475	0.005689189	Rhbdd1
ENSMUSG00000102753.1	7.79702393	4.45011358	0.002658721	0.005691409	RP24-169F23.2
ENSMUSG00000112261.1	2.788356908	-5.025323909	0.002662336	0.005698701	RP23-261G3.5
ENSMUSG00000030062.7	12695.47752	-0.450903237	0.002668704	0.005711882	Rpn1
ENSMUSG00000055323.5	10.38760825	2.150678663	0.002670248	0.005714737	RP23-421P23.7
ENSMUSG00000115771.1	12.51125132	-1.948335862	0.002670635	0.005715116	RP24-414B1.1
ENSMUSG00000035152.14	13097.0853	0.666000058	0.002672656	0.005718094	Ap2b1
ENSMUSG00000037138.17	1441.273295	0.870704049	0.002672279	0.005718094	Aff3
ENSMUSG00000107417.2	2.959777679	-5.111513493	0.002672646	0.005718094	Olf1383
ENSMUSG00000105374.1	3.436961971	5.145445751	0.002679965	0.005733281	RP24-230L5.2
ENSMUSG00000020463.15	4356.098611	-0.537183629	0.002682781	0.005738854	Ppp4r3b
ENSMUSG00000074623.4	3.286680297	5.079626086	0.002684612	0.00574232	RP23-333A18.2
ENSMUSG00000000127.14	519.2204914	-0.441585039	0.002690944	0.005755414	Fer
ENSMUSG00000029038.9	3291.075074	0.780184101	0.002691486	0.00575612	Ssu72
ENSMUSG00000000248.16	2.924710854	-5.097080999	0.002693856	0.005760286	Clec2g
ENSMUSG00000081256.1	2.924710854	-5.097080999	0.002693856	0.005760286	AC123699.3
ENSMUSG00000032097.10	12230.01781	-0.477822808	0.002696407	0.005765287	Ddx6
ENSMUSG00000113577.1	20.80966027	-2.039737662	0.002697125	0.005766637	RP24-311F12.5
ENSMUSG00000110615.1	13.56179268	1.963392581	0.002699746	0.00577152	RP24-93F18.2
ENSMUSG00000113210.1	4.245381824	4.44673484	0.002700361	0.005772382	RP24-6916.2
ENSMUSG00000006262.15	2001.398009	-0.55296838	0.002700575	0.005772387	Mob1b
ENSMUSG00000022191.16	6095.199895	-0.725610451	0.002701202	0.005773273	Drosha
ENSMUSG00000105745.1	5.898826243	3.975565009	0.002707709	0.005786727	RP23-7D3.3
ENSMUSG00000090799.2	7.558704616	2.93029352	0.002709579	0.005790268	Klh13
ENSMUSG00000080610.1	5.2562754	-4.043293589	0.002712508	0.005796604	Snord110
ENSMUSG0000006378.15	312.7912088	-1.389198703	0.002714418	0.005799005	Gcat
ENSMUSG00000087006.3	25.73556808	1.32711368	0.002714518	0.005799005	RP23-375N21.2
ENSMUSG00000105720.1	6.790179581	4.188071294	0.002714154	0.005799005	RP24-95O4.4
ENSMUSG00000113083.1	8.835548751	2.405573749	0.002718407	0.005806856	RP23-143A14.3
ENSMUSG0000017188.3	2617.726426	0.972851495	0.002718928	0.005807515	Coa3
ENSMUSG00000027782.10	5392.400713	-0.490031076	0.002719685	0.005808677	Kpna4
ENSMUSG00000069727.5	523.2995515	-0.834414052	0.002721577	0.005812262	AC102628.1
ENSMUSG00000047368.3	1732.945763	-0.363805698	0.002722293	0.005813335	Abhd17b
ENSMUSG00000011154.17	6.522504115	3.486852044	0.002723684	0.005815848	Cfap161
ENSMUSG00000040812.14	41.32329696	1.116029041	0.00272605	0.005820444	Agbl2
ENSMUSG00000086377.1	276.795958	-1.439533871	0.002730683	0.00582988	AC127257.1
ENSMUSG00000108067.1	5.341504693	-4.082516726	0.002735751	0.005840242	RP23-296N5.3
ENSMUSG0000003123.15	177.5509918	0.673996787	0.002739043	0.005846811	Lipe
ENSMUSG00000113986.1	3.153784502	5.036922248	0.002740207	0.005848839	RP23-321N21.2
ENSMUSG00000113083.1	76.62254046	0.894830533	0.002741722	0.005851613	RP23-174O6.23
ENSMUSG00000104257.1	3.014694916	4.960695655	0.002752759	0.005874709	RP23-21P2.4
ENSMUSG00000102406.1	3.744061773	5.265427795	0.002755046	0.005879129	RP23-340C13.8
ENSMUSG00000002688.8	280.2144673	-0.673873262	0.00275766	0.005884247	Prkd1
ENSMUSG00000036104.12	1759.116878	-0.582806655	0.002758009	0.005884531	Rab3gap1
ENSMUSG00000040723.14	22.79259286	1.559727854	0.002760232	0.005888813	Rcs1
ENSMUSG00000026923.15	869.339033	-0.786317368	0.002762218	0.005892588	Notch1
ENSMUSG00000102964.1	23.21923472	-1.360179596	0.002762541	0.005892816	RP24-321N12.1
ENSMUSG00000093484.1	552.3200409	-0.919437136	0.002763054	0.005893448	RP23-445D13.4
ENSMUSG00000085224.2	3.360775113	5.133855247	0.002764524	0.005896122	RP23-442G9.5
ENSMUSG00000051768.9	1747.932296	-0.473560773	0.002766605	0.005900098	Xrcc1
ENSMUSG000000071537.6	37.26396757	-1.193825065	0.002771871	0.005910865	Klrg2
ENSMUSG00000097201.1	4.781507354	4.604382009	0.002772507	0.005911759	Gm26700
ENSMUSG00000022041.10	5.727416256	3.304811881	0.002772767	0.00591185	Chrna2
ENSMUSG00000019948.4	862.9443389	-0.45299468	0.002774982	0.005916111	Actr6
ENSMUSG00000022280.9	1105.359966	0.797288778	0.002777558	0.005921139	Rnf19a

ENSMUSG0000011442.1	4.818933728	4.611318118	0.002779756	0.005925361	RP24-254O21.2
ENSMUSG00000085396.7	6895.127078	-1.101078838	0.002784416	0.00593483	Firre
ENSMUSG00000034820.3	2749.977177	-0.746691544	0.002786089	0.005937932	Cpsf7
ENSMUSG00000050818.7	3.845196401	5.306700944	0.002789069	0.005943818	Olfr330
ENSMUSG00000019796.12	2221.268311	0.578102441	0.002793404	0.00595259	Lrp11
ENSMUSG00000088909.1	11.58646488	-2.108722216	0.002800256	0.005966726	Gm25432
ENSMUSG00000083887.1	454.7144645	0.878484958	0.002803842	0.005973897	RP23-12I24.5
ENSMUSG00000116590.1	19.84671596	2.03416483	0.002807272	0.005980739	RP23-15O6.2
ENSMUSG000000055301.8	4.40236361	4.498039459	0.002817063	0.006001128	Adh7
ENSMUSG00000071753.12	109.6253035	0.678194144	0.002817664	0.006001939	RP23-146D13.2
ENSMUSG00000107418.1	48.23731217	-1.04816964	0.002819532	0.006004979	RP23-198D7.5
ENSMUSG00000107821.1	48.23731217	-1.04816964	0.002819532	0.006004979	RP24-238J9.2
ENSMUSG00000019785.14	177.3997678	-0.604452577	0.002824551	0.006015199	Civs2
ENSMUSG00000031535.7	3.052137155	4.975953745	0.002826286	0.006018178	Dkk4
ENSMUSG00000115685.1	20.58835045	2.177857846	0.002826392	0.006018178	RP24-542M6.2
ENSMUSG00000041199.2	387.3247023	0.514528718	0.002830802	0.006026626	Rpusd1
ENSMUSG00000097323.2	4.176668874	4.411278228	0.002830695	0.006026626	RP24-225A16.5
ENSMUSG00000045100.11	395.7491601	-0.56005935	0.002833552	0.006032009	Slc25a26
ENSMUSG00000052241.3	12.7664777	1.847231269	0.00283565	0.006036004	A930035D04Rik
ENSMUSG000000086386.1	5.579954864	4.8562613	0.002837515	0.006039502	RP23-71G18.3
ENSMUSG00000030691.15	1401.449512	0.808724714	0.002840105	0.006044542	Fchsd2
ENSMUSG00000019579.13	1992.675161	0.707389466	0.002840332	0.006044554	Myd88
ENSMUSG00000107529.1	8.286152559	3.076573404	0.002847122	0.00605853	RP23-480I16.3
ENSMUSG00000028180.18	7371.843239	-0.353841588	0.002849537	0.006063195	Zranb2
ENSMUSG00000101438.1	28.37317733	1.533306821	0.002849946	0.006063592	RP23-222K15.31
ENSMUSG00000001985.9	1459.872126	1.23316784	0.002850566	0.006064233	Grik3
ENSMUSG00000109945.1	8.715146376	2.619589514	0.002850693	0.006064233	RP23-329B24.1
ENSMUSG00000037541.21	628.8958526	1.212145625	0.002854227	0.006071277	Shank2
ENSMUSG00000098118.1	3.521223439	5.177704149	0.002854899	0.006072232	RP23-180D16.5
ENSMUSG00000103543.1	3.208177234	-5.223518065	0.002860859	0.006084434	RP23-1K14.2
ENSMUSG00000113168.1	40.37895228	-1.251734186	0.002866214	0.006095347	RP23-437I5.3
ENSMUSG00000097281.2	2.928105631	4.925246772	0.002870639	0.00610428	RP24-272N10.5
ENSMUSG00000031503.13	1581.583624	1.038651839	0.002871051	0.006104681	Col4a2
ENSMUSG00000105692.1	186.3077614	1.109298027	0.002873376	0.006109148	RP23-350K3.2
ENSMUSG00000017210.14	3528.97306	-0.719738707	0.002877761	0.006117672	Med24
ENSMUSG00000101464.1	146.7624917	1.188514245	0.00288457	0.006131991	RP23-435I22.3
ENSMUSG00000006642.17	186.8228823	1.021538786	0.00288531	0.006133085	Mths
ENSMUSG00000024142.14	852.6727525	0.458711651	0.002891656	0.006146094	Mist8
ENSMUSG00000091997.1	15.02613645	-2.337533409	0.00289264	0.006147707	RP24-422I18.5
ENSMUSG00000020935.8	5231.601767	0.309520587	0.002893185	0.006148385	Dcackd
ENSMUSG00000072898.3	11.38850253	2.007514344	0.002893973	0.00614958	Gm10434
ENSMUSG00000015337.5	243.8766762	1.0405375	0.002896812	0.006154748	Endog
ENSMUSG00000061928.6	6.522818137	4.156597213	0.002896857	0.006154748	Dsg1b
ENSMUSG00000110564.1	4.164001011	5.419502838	0.002897226	0.006155052	RP24-418N13.2
ENSMUSG00000096932.2	18.30511219	1.821541004	0.002898499	0.006157275	RP23-31C10.2
ENSMUSG00000000399.10	7182.233217	0.728991686	0.002899707	0.006159362	Ndufa9
ENSMUSG00000022759.15	19.49599731	1.856961297	0.002900351	0.00616025	Lrrc74b
ENSMUSG00000104986.1	15.36485065	1.774183042	0.00290233	0.006163972	RP23-7E4.9
ENSMUSG00000097760.2	32.9250461	-1.094686664	0.002906614	0.006172589	RP23-309I23.2
ENSMUSG00000092564.1	52.68877843	0.902813773	0.002911247	0.006181946	RP23-222K15.23
ENSMUSG00000099364.1	6.919530591	3.569178197	0.002914818	0.006189048	CAAA01152789.1
ENSMUSG00000062627.9	1690.97727	-0.577934172	0.002917339	0.006193917	Mysm1
ENSMUSG000000063362.13	1789.203908	-0.683554162	0.002923833	0.006207221	Alg11
ENSMUSG00000004364.14	5761.941436	-0.620754468	0.002925552	0.006210387	Cul3
ENSMUSG00000048067.8	10.07452193	3.124358862	0.002932183	0.006223977	Olfr1349
ENSMUSG00000020901.13	25.05715981	-1.416409157	0.002939074	0.006238119	Pik3r5
ENSMUSG000000035032.12	6.837172205	3.587988488	0.002940139	0.006239893	Nek11
ENSMUSG00000069053.11	2.801757133	-5.031163808	0.002943048	0.006245581	Uba1y
ENSMUSG00000113514.1	14.77844217	-1.939736425	0.002953306	0.006266861	RP24-339I11.1
ENSMUSG000000065273.1	2.783368078	-5.023220239	0.002955581	0.0062712	Gm25128
ENSMUSG00000041945.12	209.6297866	0.549800272	0.002956232	0.006271631	Mfsd9
ENSMUSG00000092349.1	16.74632808	-1.876345838	0.002956245	0.006271631	Platr17
ENSMUSG00000081219.1	33.76163404	1.31976532	0.002957887	0.006274627	Bambi-ps1
ENSMUSG000000026315.13	6.415947501	3.046653537	0.002961825	0.006282491	Serpinb8
ENSMUSG00000020887.3	5.96296897	3.370259463	0.00296229	0.006282988	RP23-428G22.2
ENSMUSG00000080962.1	12.62551762	-1.81938103	0.002967303	0.006293131	RP23-335N12.2
ENSMUSG00000041025.15	825.1019591	0.67467808	0.002969912	0.006298175	lffo2
ENSMUSG000000033763.14	1536.600896	1.037896914	0.002970724	0.006299406	Mtss11
ENSMUSG00000023949.6	4.34986331	4.465301546	0.00297598	0.006309568	Tcte1
ENSMUSG00000079471.4	4.34986331	4.465301546	0.00297598	0.006309568	RP24-86D16.5
ENSMUSG00000103162.1	5.180741576	-3.968401487	0.00297707	0.006311389	RP23-358I10.3
ENSMUSG00000018909.15	1951.973061	0.833956141	0.0029808	0.006318805	Arrb1
ENSMUSG00000079018.10	4.793757682	-3.896838338	0.002982868	0.006322696	Ly6c1
ENSMUSG00000032311.17	15.76641853	-2.716434607	0.002983264	0.006323043	Nrg4
ENSMUSG00000103081.2	41.62539695	1.497114145	0.002985406	0.006327092	Pcdhgb8
ENSMUSG00000028842.15	1007.366082	-1.031041393	0.002991059	0.00633858	Ago3
ENSMUSG00000022972.10	978.5605021	-0.673142274	0.00299824	0.00635302	RP24-100B13.1
ENSMUSG00000070476.10	319.6972897	0.545686003	0.00299834	0.00635302	Fam217b
ENSMUSG000000082460.1	15.67450377	-1.599692174	0.003007825	0.006372622	RP23-111F12.1
ENSMUSG00000097417.1	9.157209762	2.474591446	0.003008144	0.006372802	Gm26669
ENSMUSG00000082912.1	21.242217	-1.951261923	0.003016016	0.006388982	RP23-282O5.4
ENSMUSG00000030259.12	647.0277633	-0.758662601	0.00301703	0.006390633	Rassf8
ENSMUSG00000092281.1	1304.172764	-0.747071654	0.003018676	0.006393622	Hmgb1-ps7

ENSMUSG00000108786.1	216.2227382	-0.810445811	0.003027127	0.006411023	RP24-316O13.1
ENSMUSG00000050212.4	281.4114676	-0.876159108	0.003029463	0.006415472	Eva1b
ENSMUSG00000027195.10	3832.42772	-0.420676899	0.003035382	0.006427507	Hsd17b12
ENSMUSG00000038489.8	2022.753755	1.105740865	0.003039988	0.006436759	Poir2l
ENSMUSG000000097911.2	7.825194846	3.00504766	0.003040568	0.006437488	RP24-352M15.1
ENSMUSG00000110326.1	8.948916771	2.442263298	0.00304944	0.00645577	RP23-336M16.2
ENSMUSG00000096834.7	81.15376436	-0.830782746	0.003056112	0.006469392	RP23-61E13.2
ENSMUSG00000041828.15	18.17566268	1.973923947	0.00307999	0.006519433	Abca8a
ENSMUSG00000115222.1	104.5019099	0.820254336	0.003083621	0.00652661	RP23-11O22.16
ENSMUSG00000085311.1	6.581343221	3.531281294	0.003091225	0.006542197	AC133097.2
ENSMUSG00000020459.14	2230.570983	-0.529891151	0.003092533	0.006544456	Mtif2
ENSMUSG00000020647.10	1152.899634	0.469663727	0.003097657	0.006554455	Ncoa1
ENSMUSG00000078994.9	120.626991	-0.67371001	0.003097739	0.006554455	Zfp429
ENSMUSG00000028992.13	385.4086307	-0.499834629	0.003100026	0.006558785	Nmnat1
ENSMUSG00000061374.14	1755.162907	-0.334993814	0.003102831	0.00656421	Fiz1
ENSMUSG00000030591.17	6667.85614	0.72944522	0.003112218	0.006583556	Psmid8
ENSMUSG00000114994.1	4.298372581	4.447349765	0.003113911	0.006586626	RP23-88A20.2
ENSMUSG00000115920.1	16.12434709	2.137659091	0.003115419	0.006589304	RP24-324P21.8
ENSMUSG000000084754.1	3.026399723	4.966011215	0.003127317	0.006613444	RP23-243E17.5
ENSMUSG00000090863.1	3.026399723	4.966011215	0.003127317	0.006613444	A530084C06Rik
ENSMUSG00000050147.9	6.175650122	3.420208894	0.003134644	0.006628422	F2ri3
ENSMUSG00000115122.1	5.894423745	3.368946966	0.003138833	0.006636766	RP23-101E7.1
ENSMUSG00000034343.14	1168.907475	-0.367088448	0.003139318	0.006637275	Ube2f
ENSMUSG00000023403.14	3.149128867	5.035993171	0.003141004	0.006639951	Stk31
ENSMUSG00000081750.3	412.2447603	0.980749975	0.003141071	0.006639951	RP23-39H12.1
ENSMUSG00000022200.8	3461.979755	-0.432936273	0.003144374	0.006646418	Golph3
ENSMUSG00000014547.10	1309.619005	-0.712230741	0.003144701	0.006646594	Wdfy2
ENSMUSG00000110250.1	207.9009583	-1.388514791	0.003146797	0.006650508	RP23-317B21.2
ENSMUSG00000027824.4	15.88158105	2.26041173	0.003147049	0.006650525	Vmn2r1
ENSMUSG00000024099.14	5418.704047	0.793878328	0.003150101	0.006656457	Ndufv2
ENSMUSG000000087196.1	2.979580495	4.945979951	0.003151476	0.006658847	RP23-466D3.1
ENSMUSG00000041769.13	3926.957676	-0.419814552	0.003161225	0.006678928	Ppp2r2d
ENSMUSG00000049872.8	9.957916312	2.409679733	0.003163642	0.006683515	Fam26e
ENSMUSG00000004626.14	665.0443896	-0.439486714	0.003173855	0.006704571	Stxbp2
ENSMUSG00000068604.4	349.6002515	-0.791052392	0.003176103	0.0067088	Gm8225
ENSMUSG00000002326.6	839.8602286	-0.521549232	0.00317641	0.006708929	Gmpr2
ENSMUSG00000097467.2	37.95480022	1.206938314	0.003182421	0.006721104	RP24-329C11.9
ENSMUSG00000101568.1	3.050322056	4.986780224	0.003182929	0.006721656	RP24-291M22.1
ENSMUSG00000030291.12	1738.384226	0.773440871	0.003186839	0.006729391	Med21
ENSMUSG00000028784.14	12.14260311	-2.875989794	0.003189674	0.006734856	Spocd1
ENSMUSG00000074862.11	143.3597419	0.688567294	0.003194431	0.006744375	AC153919.1
ENSMUSG00000030850.17	2173.773716	0.535749783	0.003195408	0.006745637	Ate1
ENSMUSG00000043993.6	52.60829519	1.067122249	0.003195523	0.006745637	RP23-37J21.9
ENSMUSG00000088793.1	3.535256063	5.183190454	0.003200082	0.006754737	Gm22540
ENSMUSG00000066842.18	198.6743778	-0.945869658	0.003200433	0.006754955	Hmcn1
ENSMUSG00000059895.13	526.8954857	0.504888056	0.003203509	0.006760923	Ptp4a3
ENSMUSG00000104266.1	2.878958585	4.904709467	0.00320448	0.006762447	RP23-124N16.3
ENSMUSG00000040367.2	6.301219801	3.465198317	0.00320926	0.00677201	Lrrd1
ENSMUSG00000015340.10	9.643281113	-2.645906989	0.003210338	0.00677376	Cybb
ENSMUSG00000082769.3	4320.844667	-0.876384006	0.003210777	0.006774163	AC124389.3
ENSMUSG00000086662.7	2.980093213	4.957312316	0.00322315	0.006799741	AC122184.3
ENSMUSG00000047248.20	1260.106387	-1.187843172	0.003227316	0.006808002	C2cd3
ENSMUSG00000033770.13	4.706784832	-4.761343081	0.003227925	0.006808761	Clnka
ENSMUSG00000024778.12	17.76334239	2.718795242	0.003238752	0.00683107	Fas
ENSMUSG00000096054.3	624.906725	1.394410652	0.003240546	0.006834323	Syne1
ENSMUSG00000104433.1	3.517593241	5.191734263	0.003247116	0.006847649	RP23-28G12.2
ENSMUSG00000078429.9	2734.902121	-0.66823462	0.003249255	0.00685163	Ctdsp2
ENSMUSG00000087439.1	4.410699297	4.480263083	0.003251753	0.006856366	AC118260.5
ENSMUSG00000024981.6	908.1905794	-0.433879896	0.00325574	0.006864242	Acs15
ENSMUSG00000088835.1	13.33289156	-1.830643898	0.003257992	0.006868459	Gm23547
ENSMUSG00000033730.4	7.223326051	2.871420704	0.003258672	0.006869361	Egr3
ENSMUSG00000095432.9	734.8178802	-0.687936854	0.003260136	0.006871915	Zfp748
ENSMUSG00000058542.3	13863.82563	0.666504394	0.003261058	0.006873326	RP23-162K2.5
ENSMUSG00000078902.3	112.0261808	0.872241822	0.003265698	0.006882574	RP23-330D3.9
ENSMUSG00000046139.7	1370.538486	-1.044396767	0.003266152	0.006882999	Pat1
ENSMUSG00000109587.1	4.2492414	4.436572319	0.003266777	0.006883782	RP24-335D17.3
ENSMUSG00000032607.12	1645.386693	-0.467158515	0.003269103	0.006888151	Amt
ENSMUSG00000108414.1	4562.111694	-0.818792033	0.003269866	0.006889225	Snhg1
ENSMUSG00000112409.1	3.74378483	5.289457259	0.003276031	0.006901682	RP24-147J7.1
ENSMUSG00000113617.1	217.1966021	-0.564231767	0.003278056	0.006905414	RP24-441F13.7
ENSMUSG00000027243.8	447.1165525	-0.509567847	0.003281934	0.006913047	Harbi1
ENSMUSG00000038618.12	593.7679404	-0.486581234	0.003285932	0.006920935	Rassf7
ENSMUSG00000112947.1	7.580196365	2.62536827	0.003290686	0.006930411	RP23-2312.5
ENSMUSG00000034158.9	4133.46863	-0.858002613	0.003301446	0.006952534	Lrrc58
ENSMUSG00000091968.1	6.945357054	3.148605558	0.003303067	0.006955411	RP23-140112.3
ENSMUSG00000031444.16	8.159856647	3.049893053	0.003304526	0.006957946	F10
ENSMUSG00000054302.15	2449.334264	0.623179005	0.003313782	0.006976896	Eapp
ENSMUSG00000060998.16	14606.52595	-0.300189664	0.003314885	0.006978678	Psmid2
ENSMUSG00000040985.13	7.819728336	2.671591284	0.00331775	0.006984171	Sun3
ENSMUSG00000116972.1	8479.057468	-0.752584144	0.00332226	0.006993124	RP23-292A11.1
ENSMUSG00000105044.1	49.83170278	-1.075342727	0.003325916	0.007000279	RP23-396K22.4
ENSMUSG00000111069.1	5.995381323	-3.161891017	0.003327346	0.007002747	RP23-342N3.1
ENSMUSG00000079316.10	2168.582771	-0.486115199	0.003328024	0.007003634	Rab9

ENSMUSG00000114771.1	82.31345067	0.839215632	0.003329509	0.007006217	RP23-53N20.5
ENSMUSG00000024683.5	1153.859796	-0.652036383	0.003331502	0.007009869	Mrpl16
ENSMUSG00000034990.15	10.77512727	2.541202276	0.00333628	0.00701938	Otoa
ENSMUSG00000019189.13	8832.994854	-0.594633837	0.003339326	0.007025246	Rnf145
ENSMUSG00000025993.10	157.1509615	-0.570725717	0.003341386	0.007029037	Slc40a1
ENSMUSG00000026049.11	646.8552077	-0.702219319	0.003342445	0.007030723	Tex30
ENSMUSG00000020936.8	7720.379665	-0.523481042	0.003343518	0.007032436	Nmt1
ENSMUSG00000022749.8	1340.120607	0.595950128	0.003346573	0.007038319	Tbc1d23
ENSMUSG000000062210.13	357.7293462	-0.644006511	0.003352545	0.007050335	Tnfaip8
ENSMUSG00000109139.1	3.335827343	5.099923359	0.003353173	0.007051112	RP23-52J10.3
ENSMUSG00000033705.17	467.2217646	-1.126945655	0.003353753	0.007051785	Stard9
ENSMUSG000000036067.12	105.9693628	-0.656841635	0.003357715	0.007059572	Slc2a6
ENSMUSG00000107032.1	54.96307754	-1.090717948	0.003358629	0.007060948	RP24-301O17.3
ENSMUSG00000031388.14	1355.17861	-0.963105404	0.003368515	0.007081186	Naa10
ENSMUSG00000039205.16	1207.338206	0.568680921	0.003370866	0.007085582	Ciz1
ENSMUSG00000037060.3	9.661421252	2.180928551	0.003371333	0.007086017	Prkcdbp
ENSMUSG00000074357.3	26.21078529	-1.24781439	0.003373213	0.00708942	RP23-189N8.1
ENSMUSG00000107316.1	2.811734791	-5.035429477	0.003374335	0.007091232	RP23-149A1.7
ENSMUSG00000020123.6	12.62690351	1.8152352	0.00337844	0.00709931	Avpr1a
ENSMUSG000000081921.1	27.09588748	-1.483776592	0.003379414	0.00710081	RP23-145E1.6
ENSMUSG00000112301.1	5.810056933	3.938380269	0.003388528	0.00711941	RP23-226H21.3
ENSMUSG00000038005.15	3123.465611	-0.436001368	0.003389423	0.007120743	AC114920.2
ENSMUSG00000114970.1	8.669288086	3.51427162	0.003389947	0.007121294	RP23-342O10.1
ENSMUSG00000055730.14	1211.164995	0.717746339	0.003396924	0.007135399	Ece1
ENSMUSG00000035456.9	15.16901256	2.356326605	0.003398465	0.007138087	Prdm8
ENSMUSG00000091537.2	5389.315198	0.957506336	0.003402123	0.007145219	Tma7
ENSMUSG000000106254.1	4.392415441	-4.678268482	0.003407544	0.007156052	RP23-370G17.2
ENSMUSG00000054405.14	4354.075714	-0.515284777	0.003413125	0.007166668	Dnajc8
ENSMUSG00000093436.6	2.954355781	4.946948459	0.003412996	0.007166668	RP23-114H2.1
ENSMUSG00000019795.17	4004.633454	0.509543251	0.003421555	0.007183816	Pcmt1
ENSMUSG000000061167.9	21231.84812	-0.766936274	0.003427317	0.007195359	Rpl15-ps3
ENSMUSG00000003154.15	724.3922039	-0.766599702	0.00343262	0.007205935	Foxj2
ENSMUSG00000113303.1	8.741635889	2.636435905	0.003436547	0.007213623	RP23-18J1.2
ENSMUSG000000062729.11	575.7820324	0.586245434	0.003437066	0.007214157	Ppox
ENSMUSG000000027522.15	2153.475958	-0.578500344	0.003440789	0.007221417	Stx16
ENSMUSG00000111758.1	3.327988509	5.12002208	0.003445036	0.007229771	RP23-181A8.2
ENSMUSG00000094002.3	21.53182719	1.652698036	0.003446392	0.007232061	RP23-195H19.1
ENSMUSG000000015579.4	10.3458926	2.447458395	0.003449088	0.007237161	Nkx2-5
ENSMUSG00000038844.10	533.0126517	-0.799160095	0.003450803	0.007240201	Kif16b
ENSMUSG00000101807.1	11.06862751	-1.926437524	0.003456741	0.007252102	RP24-347J6.3
ENSMUSG000000064597.1	2.817594013	4.865830051	0.003457679	0.007253511	Gm22299
ENSMUSG000000036499.9	1562.804837	0.711781238	0.003458584	0.007254851	Eea1
ENSMUSG00000040003.18	625.453657	0.986623785	0.003459252	0.007255694	Magi2
ENSMUSG00000101972.1	27.82624461	-1.756802906	0.003467275	0.007271962	Hist1h3i
ENSMUSG00000108597.1	9.26810509	3.582890407	0.003470095	0.007277314	RP24-100O13.2
ENSMUSG00000026766.16	2379.803107	-0.487778396	0.003475015	0.007287072	Mmadhc
ENSMUSG00000021604.15	9.653193413	2.816382	0.003483072	0.007303405	Irx4
ENSMUSG00000070493.3	9101.17088	0.94122205	0.003485446	0.007307822	Chchd2
ENSMUSG00000025489.5	13.70189266	-2.073035393	0.003486459	0.007309383	Ifitm5
ENSMUSG00000102489.1	3.820344226	-4.463703289	0.003488557	0.007313218	Dnmt3a-ps1
ENSMUSG00000022960.13	1050.213534	-0.510549427	0.003493155	0.00732173	Donson
ENSMUSG000000045107.5	270.4721134	1.215225184	0.003493115	0.00732173	Saysd1
ENSMUSG00000115544.1	15.33370792	-1.804942176	0.003504669	0.007345299	RP23-119J11.2
ENSMUSG00000110435.1	74.56338243	1.007876718	0.00350572	0.007346936	RP23-10E9.1
ENSMUSG00000086877.7	118.1458644	0.76021867	0.003509721	0.007354755	RP23-275N2.7
ENSMUSG00000038323.3	303.7026242	0.645960748	0.003522321	0.007380592	RP24-77I21.3
ENSMUSG00000030870.12	5714.176599	-0.396419117	0.003530495	0.007396709	Ubfid1
ENSMUSG00000115808.1	165.3095025	0.591248056	0.003530556	0.007396709	RP23-154M23.2
ENSMUSG00000024429.9	3101.840939	0.508402704	0.003537755	0.007411221	Gnl1
ENSMUSG000000087343.1	14.59962953	1.667214432	0.00354745	0.007430959	RP23-297N24.4
ENSMUSG00000053329.7	1211.173894	0.796353649	0.00354789	0.007431311	RP24-221D13.1
ENSMUSG00000027998.11	3528.44412	-0.476016597	0.003552957	0.007441351	Plrg1
ENSMUSG00000003559.7	28.62370354	1.221484432	0.003558481	0.007452347	As3mt
ENSMUSG000000030748.9	136.2777163	-0.653934745	0.003559028	0.007452921	Il4ra
ENSMUSG00000050592.8	15.95879063	-1.706733436	0.003567686	0.007470476	Fam78a
ENSMUSG00000063652.10	643.9760998	0.465765477	0.003574096	0.007483323	Slc22a21
ENSMUSG00000024853.9	13070.49355	-0.367787286	0.003576316	0.007487396	Sf3b2
ENSMUSG000000020231.15	946.3536832	0.974699914	0.003578082	0.007490518	Dip2a
ENSMUSG00000080722.3	2.855036252	4.881921567	0.003582374	0.007498927	Defa-ps7
ENSMUSG00000107280.1	5.575315095	4.857448635	0.003585625	0.007505155	RP23-468H22.1
ENSMUSG000000033184.14	6438.545776	-0.411398091	0.003586172	0.007505724	Tmed7
ENSMUSG00000106989.1	55.26575853	-1.085811474	0.003595462	0.007524589	RP24-301O17.1
ENSMUSG00000042429.8	142.3050668	0.718954715	0.003601821	0.007537317	Adora1
ENSMUSG000000089407.1	4.152746541	4.393776992	0.003603682	0.007540634	Gm24878
ENSMUSG000000082063.1	11.31910735	2.010372717	0.003607522	0.00754809	RP23-109A3.9
ENSMUSG00000002233.13	545.5563154	0.783840461	0.003608507	0.00754957	Rhoc
ENSMUSG00000107658.1	52.67690081	0.938736513	0.003612774	0.007557916	RP24-377D18.5
ENSMUSG00000000486.13	151.3552432	0.605958937	0.003616659	0.007565464	01_Sep
ENSMUSG000000062981.5	2061.862314	-0.852155434	0.003620152	0.007572188	Mrpl42
ENSMUSG00000032531.15	2705.798902	0.70692082	0.003620545	0.00757243	Amotl2
ENSMUSG000000079657.10	24.38275962	-1.222450102	0.003625222	0.007581629	Rab26
ENSMUSG000000061311.6	2.780151774	4.849812379	0.003627535	0.007585883	Rag1
ENSMUSG00000071047.5	5.610115495	3.880253747	0.003628904	0.007588164	Ces1a

ENSMUSG00000021520.4	2278.501108	0.831946049	0.003629289	0.007588387	Uqcrb
ENSMUSG00000081010.3	145.4957435	0.759256483	0.00363231	0.00759412	RP23-358C5.3
ENSMUSG00000014550.14	3177.369422	-0.73589073	0.003632899	0.00759477	Rbsn
ENSMUSG00000052566.8	442.9774798	0.471462432	0.003637904	0.007604649	Hook2
ENSMUSG00000116679.1	1712.284028	-0.863060374	0.003640731	0.007609975	RP23-341L7.1
ENSMUSG00000041852.15	3804.135608	-0.898917391	0.003643258	0.007614672	Tcf20
ENSMUSG00000025825.12	982.0366053	0.518827547	0.003646308	0.007620461	Iscu
ENSMUSG00000057176.4	144.1297248	0.817947885	0.003669923	0.007669227	RP24-159C12.8
ENSMUSG000000051497.15	3.067195217	5.002064139	0.003673362	0.007675237	Kcnj16
ENSMUSG00000116655.1	6.106007163	2.967340292	0.00367312	0.007675237	RP24-95E21.3
ENSMUSG00000079014.4	6.99285266	3.162155178	0.003689907	0.007709215	Serpina3i
ENSMUSG000000022516.10	1690.419266	0.678980079	0.003690398	0.007709648	Nudt16l1
ENSMUSG00000093617.1	15.15973647	1.947532172	0.003693522	0.007715584	RP23-365O6.3
ENSMUSG00000023755.10	766.3818794	-0.553960059	0.003696222	0.007720631	Rhebl1
ENSMUSG00000043257.15	606.2861438	0.457777826	0.003697078	0.007721827	Pigv
ENSMUSG000000034533.10	9.924126227	-2.688473779	0.003701195	0.007729833	Scn10a
ENSMUSG00000026928.14	6.325492243	3.005123808	0.003706242	0.007739782	Card9
ENSMUSG00000028744.15	692.5429925	0.553264252	0.003715955	0.007759471	Pqlc2
ENSMUSG00000093587.3	9.087252425	3.245120405	0.003720853	0.007769103	RP23-289E11.2
ENSMUSG000000086172.1	11.53878421	2.030296575	0.003721386	0.00776962	RP23-159J7.4
ENSMUSG00000107704.1	11.84687948	2.55803231	0.003721982	0.007770268	RP23-119D13.5
ENSMUSG00000034353.14	3.920593598	5.338801289	0.003730301	0.007787039	Ramp1
ENSMUSG000000038022.11	244.3974176	0.506662858	0.003730844	0.007787576	Fam188b
ENSMUSG00000034290.9	2995.904922	-0.625708707	0.003735454	0.007796602	Nek9
ENSMUSG00000031293.13	4.070325909	-4.550575866	0.003741704	0.007809048	Rs1
ENSMUSG00000060090.16	961.3339298	-0.66817142	0.003745679	0.007816745	Rp2
ENSMUSG00000001588.12	14.50593739	1.76091771	0.003748908	0.007822286	Acap1
ENSMUSG00000084350.1	759.5246684	-0.441354799	0.003748879	0.007822286	Znf41-ps
ENSMUSG00000030498.15	201.3587772	-0.707595246	0.003752452	0.007829079	Gas2
ENSMUSG00000068391.8	678.7550642	0.773181267	0.003752987	0.007829596	Chrac1
ENSMUSG00000028760.16	6906.41869	0.779244215	0.003757922	0.007839291	Eif4g3
ENSMUSG00000097305.1	3.595830973	5.23165084	0.003759348	0.007841667	Gm17276
ENSMUSG00000097246.1	48.40556347	-1.005551834	0.003773555	0.007870699	Gm26890
ENSMUSG00000111665.1	4.779163672	4.602493827	0.003778071	0.007879513	RP23-371K6.1
ENSMUSG00000102235.1	6.296600948	-3.2451109	0.003782561	0.007888273	RP23-337F12.2
ENSMUSG00000094251.1	4.237688306	-4.620735161	0.003785999	0.00789484	Gm25632
ENSMUSG00000050148.9	9544.006773	0.43057589	0.003788131	0.007898682	Ubqln2
ENSMUSG00000111325.1	18.30281025	1.847408418	0.003789426	0.007900776	RP23-438P19.7
ENSMUSG00000057137.9	2.904183298	4.903368491	0.003797534	0.00791647	Tmem140
ENSMUSG00000115405.1	2.904183298	4.903368491	0.003797534	0.00791647	RP24-90D21.1
ENSMUSG00000017264.16	4668.922587	-0.450064319	0.003800539	0.007922127	Exosc10
ENSMUSG00000028005.13	175.6288726	0.662793104	0.00380385	0.007928422	Gucy1b3
ENSMUSG00000027364.14	789.4938583	1.241409838	0.003810065	0.00794077	Usp50
ENSMUSG00000106430.1	2.843844163	4.88903217	0.003816378	0.007952709	RP24-315J23.1
ENSMUSG00000108725.1	2.843844163	4.88903217	0.003816378	0.007952709	RP23-470G18.4
ENSMUSG00000037913.12	4.632314569	-3.844535604	0.003829947	0.007980375	Tmem156
ENSMUSG00000030557.17	1621.830206	0.632874718	0.003834386	0.007989012	Mef2a
ENSMUSG00000000088.7	6390.974128	0.943628368	0.00383638	0.007992346	Cox5a
ENSMUSG00000083971.3	290.6101092	-0.624956134	0.003836572	0.007992346	RP23-342J9.2
ENSMUSG00000105048.1	7.632459841	2.935493378	0.003840372	0.007999649	RP24-230J14.1
ENSMUSG00000031628.9	5182.551318	0.306893929	0.00384726	0.008013042	Casp3
ENSMUSG0000004544.5	20.50612893	2.030011723	0.00384739	0.008013042	Gprin3
ENSMUSG00000027939.11	49.95621252	1.572658751	0.003867947	0.008055241	Nup210l
ENSMUSG0000006587.6	2.628625078	-4.938922897	0.003871463	0.008061948	Snai3
ENSMUSG00000071342.5	4.711278511	4.585850114	0.003875266	0.00806925	Lsmem1
ENSMUSG00000025916.10	5.050099362	3.766483025	0.003875763	0.008069668	Ppp1r42
ENSMUSG00000104467.1	39.93689869	1.095498113	0.003881772	0.008081561	RP23-79K5.4
ENSMUSG00000071434.2	2.615224853	-4.932709631	0.003886414	0.008090608	RP23-196E17.3
ENSMUSG00000019787.9	6.306454924	2.995483828	0.003888177	0.00809366	Trdn
ENSMUSG00000080844.1	153.3793214	-0.654849242	0.003888836	0.008094412	RP23-18D24.1
ENSMUSG00000038987.8	2.791856581	4.85513595	0.003891432	0.008098579	Cfap157
ENSMUSG00000105036.1	2.791856581	4.85513595	0.003891432	0.008098579	RP23-343F16.2
ENSMUSG00000033653.18	842.9785399	0.643913716	0.003894662	0.008104682	Vps8
ENSMUSG00000031158.11	1648.312468	0.657879233	0.003895159	0.008105095	Timm17b
ENSMUSG00000104369.1	19.03671259	-1.836550791	0.003915365	0.008146519	RP23-383N15.1
ENSMUSG00000083397.1	291.6792636	-0.705779118	0.003919368	0.008154224	RP23-409P4.1
ENSMUSG00000113838.1	53.4056079	1.696417183	0.00392496	0.008165237	RP23-174O6.15
ENSMUSG00000095419.1	576.3446599	-0.795065077	0.003927129	0.008169124	AC124432.1
ENSMUSG00000028813.2	25.8477969	-1.251792422	0.003927571	0.008169199	RP23-183D18.1
ENSMUSG00000112120.1	3.633827812	-4.385675903	0.003927765	0.008169199	RP23-230J20.2
ENSMUSG00000025716.14	6.163922354	-3.125103404	0.003931461	0.008176263	Myo3a
ENSMUSG00000097874.3	4.771837556	4.62353653	0.00393662	0.008186366	RP23-49H16.2
ENSMUSG00000110006.1	3.96196753	5.367894345	0.003938702	0.008190071	RP23-334O19.2
ENSMUSG00000110672.1	2.967875687	4.94125577	0.003949498	0.008211893	RP23-194O23.2
ENSMUSG00000095651.1	15.26483462	-1.975785579	0.003951318	0.00821505	RP24-69M8.3
ENSMUSG00000031787.8	1469.058682	0.430033355	0.003953278	0.008218498	Katnb1
ENSMUSG00000081852.1	10.31267541	2.503003357	0.003956793	0.008224909	RP23-59B16.2
ENSMUSG00000086638.7	16.68856438	1.670942941	0.003956965	0.008224909	RP23-188D9.5
ENSMUSG00000101355.1	29.26404258	-1.604537942	0.00395861	0.0082277	Hist1h3h
ENSMUSG00000030397.10	1614.61614	0.81392173	0.003965809	0.008242032	Mark4
ENSMUSG00000078816.9	340.6616	-0.797194684	0.003968681	0.008247373	Prkcg
ENSMUSG00000115785.1	447.3008848	0.718496472	0.0039788	0.008267771	RP23-452K12.20
ENSMUSG00000024383.8	1241.193352	0.73332938	0.003984533	0.008279053	Map3k2

ENSMUSG00000010136.14	50.35464614	-1.91746664	0.003985246	0.008279901	Pifo
ENSMUSG00000068079.5	62.94901531	-1.005567103	0.003986531	0.008281309	Tcf15
ENSMUSG00000100166.1	3.150431247	5.017835058	0.003986244	0.008281309	RP24-96N20.1
ENSMUSG00000015093.15	2.915888105	4.90880202	0.003992295	0.00829265	Clic3
ENSMUSG000000031710.4	5.018450431	4.699908278	0.004000833	0.008309751	Ucp1
ENSMUSG00000022571.9	1522.915312	-0.674623462	0.004002507	0.008312594	Pycr1
ENSMUSG00000097747.1	21.04372423	1.651708821	0.004005841	0.008318884	Gm26534
ENSMUSG00000039130.18	2519.436276	-0.503520746	0.004013211	0.008333555	Zc3hc1
ENSMUSG000000065752.1	4.252799814	-4.625238481	0.004018398	0.00834369	Gm23344
ENSMUSG00000082262.1	21.47430224	-1.589378187	0.004018918	0.008344133	RP23-300F6.2
ENSMUSG00000097906.1	14525.34798	-0.723048823	0.004022379	0.008350683	RP23-463F7.8
ENSMUSG000000044330.1	20.42188054	2.038703373	0.004031395	0.008368763	RP23-467C11.1
ENSMUSG00000067745.4	6.61653481	-2.643598103	0.004032557	0.008370536	RP23-480D17.1
ENSMUSG00000033701.13	1876.407177	0.759457591	0.004039432	0.008384168	Acbd6
ENSMUSG00000030647.8	3456.173295	1.054720203	0.004046995	0.008399226	Ndufc2
ENSMUSG000000092457.3	12.82123933	-2.709880862	0.00405326	0.008411588	RP23-108F2.37
ENSMUSG00000003190.12	264.5219613	-0.808466223	0.004054957	0.008414469	Bcl2l12
ENSMUSG00000044177.4	28.55126433	1.233841533	0.004057436	0.008418972	Wfikkn2
ENSMUSG00000091264.3	1598.129018	0.38162979	0.004059339	0.008422279	Smim13
ENSMUSG000000044339.12	218.6257791	-0.672463248	0.004062559	0.008428316	Alkbh2
ENSMUSG00000106802.1	2.841003628	4.87665899	0.004064289	0.008431265	RP24-359H20.3
ENSMUSG00000057236.10	15223.44636	-0.504947337	0.00406516	0.008432116	Rbbp4
ENSMUSG000000099115.1	5.194068635	-3.332311489	0.004065319	0.008432116	RP24-202N2.1
ENSMUSG00000034452.7	4.031836518	-4.538587707	0.004075185	0.008451936	Slc24a1
ENSMUSG00000071347.3	8.989470359	2.250183458	0.004077168	0.008455405	C1qtnf9
ENSMUSG00000100389.1	32.26058399	-1.662423934	0.004079619	0.008459845	Rbm6-ps2
ENSMUSG000000078430.3	3.176168679	5.028276466	0.004085429	0.008471248	RP23-326O5.3
ENSMUSG00000041329.13	903.6057486	-0.746245055	0.004090346	0.008480798	Atp1b2
ENSMUSG00000032174.5	34.4499146	1.441144926	0.004092651	0.008484338	Icam5
ENSMUSG000000046516.10	373.3242181	0.476849215	0.004092676	0.008484338	Cox17
ENSMUSG00000033478.4	1517.419786	-0.828693578	0.004095397	0.008489331	Fam160b1
ENSMUSG00000041324.14	39.83529489	-1.104562137	0.004096929	0.008491862	Inhba
ENSMUSG00000026260.12	4061.908123	0.621060832	0.004097825	0.008492816	Ndufa10
ENSMUSG00000074358.9	626.5514001	-0.6591917	0.004098013	0.008492816	Ccdc61
ENSMUSG00000065258.1	10.98816323	-2.097812446	0.004103997	0.008504571	Gm23969
ENSMUSG000000086170.1	5.708409587	3.902380321	0.004112877	0.008522325	RP23-1016.3
ENSMUSG00000031450.8	4.216951649	4.431399268	0.004114061	0.008524129	Grk1
ENSMUSG00000101316.1	884.715349	-0.644560063	0.004127823	0.008551993	RP23-478B14.1
ENSMUSG00000102731.1	124.5361282	-0.790131697	0.004135675	0.008567024	RP24-550N13.2
ENSMUSG00000104058.1	35.29604785	-1.482533682	0.004135707	0.008567024	Etv3l
ENSMUSG00000097890.2	21.61503727	2.069114703	0.004139917	0.008574279	RP24-170A20.5
ENSMUSG00000105065.1	8.46008506	3.27430298	0.004140033	0.008574279	RP23-1B20.4
ENSMUSG00000106170.1	2.796768303	-5.029113189	0.004140154	0.008574279	RP24-543J12.4
ENSMUSG00000090635.1	3.012879817	4.971290663	0.004142795	0.008578446	RP24-246L19.3
ENSMUSG00000102568.1	3.012879817	4.971290663	0.004142795	0.008578446	RP23-340C13.4
ENSMUSG00000049804.9	13946.65092	-0.971575736	0.004147282	0.008578083	Armcx4
ENSMUSG00000034295.9	1972.255697	0.782608138	0.004158915	0.008610516	Fhod3
ENSMUSG00000057835.7	227.9721061	-0.517240919	0.004159339	0.008610739	Zfp119a
ENSMUSG000000061306.16	8200.909194	0.504988328	0.004160144	0.008611751	Slc38a10
ENSMUSG00000020154.10	11.79343372	2.911970492	0.004165848	0.008622904	Ptprb
ENSMUSG00000106858.1	44.48704723	2.016158501	0.004169425	0.008629652	RP23-86H7.3
ENSMUSG00000093862.2	303.1149729	-0.46945651	0.004178539	0.008647858	RP23-46G11.2
ENSMUSG000000086219.7	3.658916979	-4.394020168	0.004180794	0.008651867	Srrm4os
ENSMUSG00000025162.17	10619.75053	0.463657773	0.004184159	0.008658174	Csnk1d
ENSMUSG00000024172.10	483.2509908	0.74039423	0.004188341	0.008665511	St6gal2
ENSMUSG00000038624.13	3.915875582	4.310667794	0.004188027	0.008665511	Nepn
ENSMUSG00000110069.1	150.5028451	-0.91746305	0.004196889	0.008682537	RP23-413O13.1
ENSMUSG00000081460.1	37.18171027	-1.2995795	0.004200722	0.008689807	RP23-383I4.9
ENSMUSG00000042788.12	6.311408715	3.491728691	0.004209139	0.008706558	Fam166b
ENSMUSG000000081413.3	348.3105503	1.062032725	0.004212913	0.008713703	RP23-286G12.4
ENSMUSG00000072923.6	11.05922495	-1.793366914	0.004214364	0.008716041	RP23-265N8.2
ENSMUSG00000081323.1	15.60376758	-2.039250979	0.004216363	0.008719515	Rpl7l1-ps1
ENSMUSG00000024558.12	700.8319999	0.794292202	0.004221454	0.00872938	Mapk4
ENSMUSG00000107182.1	97.36212567	1.730712656	0.004229283	0.008744905	RP24-196M24.2
ENSMUSG00000005102.13	1124.744987	-0.866483747	0.004248395	0.008783756	Eif2ak4
ENSMUSG00000060715.9	5.26969149	-4.029847533	0.004251373	0.008789246	RP24-481M4.2
ENSMUSG00000039684.9	3833.821179	-0.29856667	0.004252681	0.008791283	RP24-86H7.2
ENSMUSG00000030897.5	3.9588511	4.340899737	0.004254419	0.008794209	Cnga4
ENSMUSG00000100701.1	699.6816794	-0.564201296	0.004259633	0.00880432	RP24-316C22.1
ENSMUSG00000060459.14	2.616936136	-4.933595163	0.004261002	0.008806342	Kng2
ENSMUSG000000084328.1	128.3196885	-0.731502882	0.004261258	0.008806342	RP23-358G23.2
ENSMUSG00000113680.1	3.765656289	5.281065803	0.004261918	0.008807037	RP24-180C10.2
ENSMUSG00000110177.1	87.37389627	-0.93256299	0.004262606	0.008807791	RP24-447D19.2
ENSMUSG00000109432.1	2.918728641	4.920477172	0.004267357	0.00881694	RP24-294M17.1
ENSMUSG00000043903.3	7.395673525	3.284991123	0.004268335	0.00881829	RP24-286N17.2
ENSMUSG00000046952.8	95.67803288	-1.768516643	0.004269654	0.008820347	Gm5815
ENSMUSG00000060244.1	285.2343976	0.776965286	0.004270148	0.008820699	Alyref2
ENSMUSG00000097728.1	16.51652949	2.211696923	0.004277622	0.008835467	Gm26840
ENSMUSG00000004188.5	219.7665655	-0.870109774	0.004280901	0.00884157	Gm8181
ENSMUSG00000056481.6	40.8934702	1.273789911	0.004283666	0.008846611	Cd248
ENSMUSG00000029406.15	627.6375694	1.059876245	0.004287216	0.008853269	Pitpnm2
ENSMUSG00000021716.14	911.6735161	0.828623215	0.004288427	0.0088551	Srek1ip1
ENSMUSG00000101089.1	2.953330344	4.925164069	0.004292374	0.008862577	RP23-82C19.2

ENSMUSG00000030424.15	150.3046819	1.05169628	0.004297115	0.008871695	Zfp939
ENSMUSG00000021458.17	916.8550895	-0.459157455	0.004300632	0.008878283	AC130827.2
ENSMUSG000000095187.2	3.041457785	4.991346217	0.004302917	0.008882326	Olf1r1381
ENSMUSG000000047022.18	239.4000421	-0.584018478	0.004303652	0.00888317	Mipol1
ENSMUSG000000099901.1	73.62890492	-1.618983416	0.00430462	0.008884496	Zbed4-ps2
ENSMUSG000000035678.7	97.91220353	-0.691702196	0.004305079	0.00888477	Tnfsf9
ENSMUSG00000018417.14	2829.716726	0.633597248	0.004307526	0.008889146	Myo1b
ENSMUSG00000115708.1	4.288498738	4.4400572	0.004314009	0.008901851	RP24-129B16.1
ENSMUSG000000089847.8	343.5814503	0.860461891	0.004317418	0.00890821	Timm10b
ENSMUSG00000015619.10	56.02673207	1.21357306	0.004318526	0.008909821	Gata3
ENSMUSG000000082143.1	4.849499943	-3.238057775	0.004321459	0.008915197	RP23-228G24.3
ENSMUSG00000009923.1	15.92850671	1.744694986	0.004323075	0.008917855	RP23-446G23.1
ENSMUSG00000114276.1	3.784344548	5.286845895	0.004331818	0.008935216	RP23-57I20.1
ENSMUSG00000049709.0	6.016056759	-2.770393938	0.0043326	0.008936152	Nlrp10
ENSMUSG00000021120.11	535.1431446	0.466818148	0.004333461	0.008937251	Pigh
ENSMUSG000000026134.11	1044.603487	-0.340589638	0.004345159	0.008960698	Prim2
ENSMUSG00000111793.1	5.762599455	3.987745163	0.004348885	0.008967702	RP23-280C13.3
ENSMUSG000000037962.7	61.55988632	1.018600849	0.004353449	0.008976435	Fam101a
ENSMUSG000000089824.10	2651.501087	-0.320632436	0.004355873	0.008980753	Rbm12
ENSMUSG00000113790.1	18.29793999	-2.098073114	0.004365394	0.008999701	RP23-459C10.1
ENSMUSG00000009356.12	22.40358824	1.790355418	0.004366124	0.009000526	Lpo
ENSMUSG000000037966.15	290.2656661	-0.801356432	0.004381894	0.009032352	Ninj1
ENSMUSG000000020950.10	6.071304182	3.43328661	0.004382514	0.00903285	Foxg1
ENSMUSG000000086641.1	3.933320289	-4.511324576	0.004382799	0.00903285	RP23-5K9.2
ENSMUSG00000113140.1	6.004472714	-3.114087914	0.004393736	0.009054705	RP24-549A19.5
ENSMUSG000000031590.8	1612.97149	0.798642024	0.004395284	0.00905721	Frg1
ENSMUSG000000030249.15	22.55876845	-1.510077167	0.00439914	0.00906447	Abcc9
ENSMUSG000000037477.7	2.806401925	4.872757657	0.004400809	0.009067224	Tbx10
ENSMUSG00000016624.15	653.7284468	0.601245076	0.004403274	0.009071617	Phf21b
ENSMUSG00000004213.2	13.58042695	1.934696662	0.004420852	0.009107143	Gm10642
ENSMUSG000000039068.16	2917.081424	-0.735569806	0.004422895	0.009110662	Zzz3
ENSMUSG000000090737.1	1462.68819	-0.697148135	0.004435314	0.009135553	RP24-78O14.2
ENSMUSG000000027332.11	1124.090897	-0.427068088	0.004437524	0.009139413	Ivd
ENSMUSG000000054909.11	5.207942927	3.822714563	0.004441683	0.009147289	Wbscr25
ENSMUSG00000108659.1	10.03626148	2.450996213	0.004451965	0.00916777	RP23-181P23.4
ENSMUSG000000036430.8	819.6400353	0.725352655	0.004455297	0.009173938	Tbcc
ENSMUSG000000037646.10	1440.933121	-0.962508034	0.004471266	0.009206125	Vps13b
ENSMUSG000000076436.1	5.086550046	-4.01739766	0.004474172	0.009211411	Oxct2a
ENSMUSG000000024601.8	1969.538266	-0.748180719	0.004474547	0.009211486	Isoc1
ENSMUSG000000027207.15	813.8553407	0.631209802	0.004484271	0.009230807	Galk2
ENSMUSG000000073069.2	4.4070691	4.496449126	0.004490112	0.009242134	Mageb2
ENSMUSG000000026774.11	5.27782271	3.830405573	0.004492173	0.009245677	RP23-54E16.2
ENSMUSG000000091455.4	7.807245344	3.361112461	0.004493881	0.009248494	Otogl
ENSMUSG000000029110.13	5294.315946	-0.347195852	0.004496759	0.009253717	Rnf4
ENSMUSG000000085601.7	8.373415268	-2.38946581	0.004505944	0.009271918	AC145199.4
ENSMUSG000000045404.16	19.13381511	1.622549241	0.00450713	0.009273658	Kcnk13
ENSMUSG00000013593.12	5532.168416	0.54285572	0.004509575	0.009277989	Ndufs2
ENSMUSG000000085788.1	18.70441249	1.835847499	0.004514355	0.009287121	RP23-54E4.1
ENSMUSG000000081132.1	29.84927667	-1.263656963	0.004515271	0.009288305	RP23-463G15.3
ENSMUSG00000111730.1	5.52012751	-2.989849639	0.004515744	0.009288575	RP23-145G7.4
ENSMUSG00000100235.8	11.78379631	-1.934424573	0.004524041	0.00930494	RP23-370B22.3
ENSMUSG000000085101.7	7.038968552	-2.775024599	0.00452722	0.009310775	Platr16
ENSMUSG00000112007.1	1434.857142	-0.722807617	0.004532014	0.009319931	RP23-345N8.5
ENSMUSG000000024659.14	23.81627973	1.725108801	0.004535726	0.009326861	Anxa1
ENSMUSG000000069899.3	914.6752565	0.545075924	0.004538096	0.009331029	RP23-29H5.3
ENSMUSG000000090685.1	2.745037353	4.83376525	0.004540915	0.009336121	RP23-446B13.3
ENSMUSG000000028019.9	255.0088124	0.536559147	0.004544236	0.009342244	Pdgc
ENSMUSG000000038291.16	653.3059039	0.639677815	0.004549673	0.009352717	Snx25
ENSMUSG000000047888.10	2961.968693	-0.624783792	0.004557535	0.009368171	Tnrc6b
ENSMUSG00000116697.1	7.609834038	2.97083566	0.004558345	0.009369128	RP23-385C21.6
ENSMUSG000000029554.15	1273.057696	-0.390533276	0.004559657	0.009371119	Mad11l
ENSMUSG000000021226.7	321.9252923	-0.52984008	0.00456284	0.009376953	Acot2
ENSMUSG000000092558.3	1227.850682	-0.502474133	0.004563211	0.009377007	Med20
ENSMUSG00000115431.1	555.0161162	1.003060172	0.004564344	0.009378629	RP24-383F22.5
ENSMUSG000000028394.9	1978.858483	0.458502056	0.004569889	0.009389313	Pole3
ENSMUSG000000086321.1	4.1213503	4.408603461	0.00457352	0.009396065	RP23-17O21.3
ENSMUSG00000111133.1	9.750929399	-2.326620843	0.0045752	0.009398809	RP23-354J5.3
ENSMUSG00000108867.1	10.30853834	2.468446251	0.004576087	0.009399922	RP24-236C17.3
ENSMUSG000000087496.1	6.262988949	3.001136647	0.00457819	0.009403533	RP23-320N1.2
ENSMUSG000000039615.8	3566.670953	0.662275175	0.004578621	0.009403708	Stub1
ENSMUSG00000111985.1	20.29599138	-1.430307281	0.004588354	0.009422988	RP23-434A12.4
ENSMUSG000000069265.2	23.877774	-1.760702185	0.004593127	0.009432079	Hist1h3a
ENSMUSG000000029571.14	1506.655384	0.668825048	0.004596674	0.009438651	Tmem106b
ENSMUSG000000062142.5	13.29028481	2.375274916	0.004602174	0.009449232	Olf1r569
ENSMUSG000000020173.17	355.9854418	0.922698291	0.004607927	0.009460332	Cobl
ENSMUSG000000090459.1	22.33831593	1.290489866	0.004608803	0.009461418	RP24-84D8.2
ENSMUSG000000084055.1	27.86251251	1.383505022	0.004613682	0.009470719	RP23-147K24.1
ENSMUSG00000115700.1	244.3855693	-0.706546452	0.004617385	0.009477608	RP23-158H4.1
ENSMUSG00000115323.1	187.5139784	-1.279987936	0.004622685	0.009487771	RP23-345I5.8
ENSMUSG000000021242.9	7178.069951	0.698940143	0.004626456	0.009494795	Npc2
ENSMUSG000000082062.1	14437.41744	0.595354267	0.004628739	0.009498765	Ftl2-ps
ENSMUSG000000086721.2	4083.671952	-0.682513281	0.004636532	0.00951404	RP23-45M23.2
ENSMUSG000000036446.5	9.856922311	2.827692744	0.004639317	0.009519038	Lum

ENSMUSG00000089780.1	8.403690145	2.575426764	0.004645332	0.009530661	AC188461.2
ENSMUSG00000042541.10	4239.819169	1.050737384	0.004648374	0.009536186	Sem1
ENSMUSG00000024170.15	1056.515464	-0.422136622	0.004648774	0.009536288	Telo2
ENSMUSG00000023882.15	163.2418433	-0.671706351	0.004651998	0.009541465	Zfp54
ENSMUSG00000074346.6	4.014169674	4.342175029	0.004651818	0.009541465	Kcnd3os
ENSMUSG00000112821.1	4.039922971	4.35397768	0.004656071	0.0095491	RP24-224L20.2
ENSMUSG00000024254.15	2.681344964	4.792741603	0.004657123	0.0095491	Abcg5
ENSMUSG00000025961.1	2.681344964	4.792741603	0.004657123	0.0095491	RP23-132J.5.2
ENSMUSG00000090247.7	8.833126822	2.190803063	0.004656795	0.0095491	Bloc1s1
ENSMUSG00000101770.1	2.585146857	-4.918723993	0.004658049	0.00955028	RP24-88I20.10
ENSMUSG00000020956.14	734.5272423	0.691655951	0.004661372	0.009556375	Dtd2
ENSMUSG00000059555.6	92.61857856	-0.861405017	0.004680722	0.009595321	Tor4a
ENSMUSG00000020282.18	385.8590426	0.47038121	0.004682677	0.009598608	Rhbd1
ENSMUSG00000044921.5	6.313667755	2.998895267	0.004684608	0.009601843	Rassf9
ENSMUSG00000037509.20	303.1857382	0.616015028	0.004688112	0.009608302	Arhgef4
ENSMUSG00000116403.1	122.781823	0.744352059	0.004689702	0.009610838	RP24-160118.2
ENSMUSG00000086389.1	8.11852133	-2.563681583	0.004692751	0.009616362	AC132327.8
ENSMUSG00000085893.1	345.2340345	-0.777304329	0.004697407	0.009625179	RP23-176O5.1
ENSMUSG00000040310.12	12.05271736	2.123391781	0.004698168	0.009626014	Alx4
ENSMUSG00000079363.7	39.29330873	1.132409715	0.004702893	0.009633497	Gbp4
ENSMUSG00000020893.17	1342.792108	-0.637574792	0.004709918	0.009648637	Per1
ENSMUSG00000112300.1	6.77447157	4.21633586	0.00471083	0.00964978	RP23-380K24.2
ENSMUSG00000029056.13	1030.593393	-0.568115334	0.004720167	0.00966818	Pank4
ENSMUSG00000027452.11	103.5781386	-0.663156777	0.004720644	0.00966843	Acss1
ENSMUSG00000040055.9	3.029752978	4.986049349	0.004721348	0.009669145	Gjb6
ENSMUSG00000094767.1	7.794470712	-2.617530969	0.004723732	0.0096733	RP23-277K12.2
ENSMUSG00000033458.17	225.7089482	-1.069415474	0.004724848	0.009674858	Fan1
ENSMUSG00000102420.1	2.940323157	4.940486453	0.004725456	0.009675376	RP24-204F1.1
ENSMUSG00000028243.5	1133.444196	-0.506661835	0.004729478	0.009682882	Ubxn2b
ENSMUSG0000007777.9	824.816787	0.589959957	0.004732853	0.009689064	RP23-79E13.7
ENSMUSG00000016510.11	643.021143	0.494819118	0.004743028	0.009709165	Mtif3
ENSMUSG00000106824.1	5.255997767	4.770383154	0.004746163	0.009714853	RP23-468H22.2
ENSMUSG00000110197.1	5.74640706	2.862577725	0.004748627	0.009719166	RP24-502E20.4
ENSMUSG00000078202.2	82.26721523	-1.034268817	0.004764207	0.009750321	Gm3550
ENSMUSG000000050627.13	1730.151832	-0.557135225	0.004766934	0.009755169	Gpd1l
ENSMUSG00000116872.1	179.5441361	-1.132417225	0.004780439	0.009782071	RP24-455C11.5
ENSMUSG00000026024.14	1775.263007	-0.913387513	0.004785335	0.009791355	Als2
ENSMUSG00000024260.13	2996.808507	-0.936857408	0.004785994	0.009791967	Sap130
ENSMUSG00000030413.7	2.718787202	4.809755811	0.004789383	0.009798166	Pglyrp1
ENSMUSG00000026193.15	5115.508508	-0.829524027	0.004792974	0.009804775	Fn1
ENSMUSG00000114723.1	4.775273445	3.678556432	0.004797198	0.00981268	RP24-386G2.5
ENSMUSG00000021095.5	33.77705829	-1.659447249	0.004798872	0.009815367	Gsc
ENSMUSG00000024379.3	2.965035151	4.930949976	0.004807566	0.009831673	Tslp
ENSMUSG00000070306.3	2.965035151	4.930949976	0.004807566	0.009831673	Ccdc153
ENSMUSG00000064068.14	1792.012581	-0.639725071	0.004811959	0.009839919	Mtx1
ENSMUSG00000071102.1	24.74783284	-1.24104387	0.004821334	0.009858349	RP23-348E18.1
ENSMUSG00000085682.2	19.00168844	1.673103003	0.004824861	0.009864821	RP23-183N8.2
ENSMUSG00000028544.14	3.829286297	4.283262524	0.004830717	0.009876053	Slc5a9
ENSMUSG00000032536.11	1491.063602	0.740808992	0.004835883	0.009885872	Trak1
ENSMUSG00000105179.1	12.79628803	-2.073839065	0.004848361	0.009910636	RP23-18K20.3
ENSMUSG00000082336.1	291.9959428	-0.574892653	0.004852593	0.009918543	RP23-403O11.13
ENSMUSG00000095588.1	3517.680298	0.82534205	0.004854286	0.009921259	RP23-176N13.2
ENSMUSG00000115454.1	6.319201033	3.02453067	0.004858513	0.009929357	RP23-79O10.5
ENSMUSG00000056536.14	1388.415372	-0.640466429	0.004862562	0.009936682	Pign
ENSMUSG00000090129.10	2.990772583	4.941867592	0.004864116	0.009938502	Olf287
ENSMUSG00000079289.1	3.412762695	5.157638027	0.004864182	0.009938502	2010300F17Rik
ENSMUSG00000104866.1	7.003699028	2.791202757	0.004865864	0.009941193	RP24-255F19.5
ENSMUSG00000097932.2	5.902562898	-3.63261485	0.004868887	0.009946622	RP24-169I22.4
ENSMUSG00000082122.1	11.11208986	-1.937984463	0.004870874	0.009949935	RP23-183L6.2
ENSMUSG00000106197.1	15.81229944	-2.03475753	0.004872523	0.009952559	RP23-200E11.2
ENSMUSG00000028649.18	12201.2685	-1.023973467	0.004875076	0.009957026	Macf1
ENSMUSG00000078967.5	18.47310042	-1.514952531	0.004879597	0.009965514	RP23-252I24.2
ENSMUSG00000021182.15	2072.706016	-0.8377961	0.004882019	0.009969713	Ccdc88c
ENSMUSG00000086805.9	2.643902725	4.775822284	0.004883899	0.009972056	RP24-571B18.2
ENSMUSG00000087553.1	2.643902725	4.775822284	0.004883899	0.009972056	RP23-1A3.6
ENSMUSG00000108772.1	16561.40929	-0.717856863	0.004891182	0.009986178	RP23-402P24.7
ENSMUSG00000020828.13	212.6184974	-0.551563897	0.004899963	0.010003356	Pld2
ENSMUSG00000024317.14	1801.23204	-0.346659991	0.004903711	0.010010258	Rnf138
ENSMUSG00000020873.14	4083.609836	-0.433150752	0.004911029	0.010024446	Slc35b1
ENSMUSG00000039367.11	4369.300378	-0.66242416	0.004916632	0.01003513	Sec24c
ENSMUSG00000026737.12	845.4646686	0.514075351	0.004918226	0.010037631	Pip4k2a
ENSMUSG00000116280.1	3.422416628	5.135755733	0.004924774	0.010050242	RP23-343O3.5
ENSMUSG00000034681.16	7393.074121	-0.37080906	0.004932695	0.010065654	Rnps1
ENSMUSG00000081730.1	12.43928741	2.135115204	0.004950629	0.010101493	RP23-316M14.3
ENSMUSG00000115342.1	181.6604384	-0.912157912	0.004952801	0.010105167	RP23-368M2.1
ENSMUSG00000010051.15	75.3896183	-1.067476963	0.004956922	0.010112818	Hyal1
ENSMUSG00000047126.17	31208.0829	-0.705554154	0.004959059	0.010116421	Ciltc
ENSMUSG00000070871.10	1147.866235	-0.590699038	0.004961065	0.010118997	Ccnyl1
ENSMUSG00000079235.10	3.89013815	4.302909271	0.004960874	0.010118997	Ccdc13
ENSMUSG00000021589.13	1819.728383	-0.749332115	0.004976015	0.010148731	Rhobtb3
ENSMUSG00000076438.5	5.605841313	-3.55414743	0.004977211	0.01015041	Oxct2b
ENSMUSG00000027245.11	268.3595314	0.731361386	0.004985134	0.010165807	Hypk
ENSMUSG0000001131.11	239.7871355	-0.866278958	0.004993527	0.01018216	Timp1

ENSMUSG00000081278.1	10.65106868	2.346777554	0.00500419	0.01020314	RP24-129J15.2
ENSMUSG00000073627.7	93.86841423	0.713946477	0.005007367	0.010208853	AC102609.2
ENSMUSG00000106304.1	2.905208735	4.925035034	0.005009225	0.010211877	RP24-317M4.3
ENSMUSG00000020022.17	1487.518737	0.885599739	0.005011549	0.010215851	Ndufa12
ENSMUSG00000043445.6	1145.526218	-0.801818835	0.005014847	0.010221465	Pgp
ENSMUSG00000111965.1	10.55411317	-2.254638761	0.005015054	0.010221465	RP23-395N2.4
ENSMUSG00000038537.1	2.73049201	4.815465913	0.005022676	0.010236234	Mc3r
ENSMUSG00000110260.1	2.670392016	-4.958417246	0.005030593	0.010251603	RP24-241I4.1
ENSMUSG00000114234.1	284.78111557	-0.556078645	0.005032783	0.010255298	RP24-375M13.3
ENSMUSG00000116825.1	383.9646841	-0.757237421	0.005036116	0.010261322	RP23-294D8.2
ENSMUSG00000052920.14	40.14703181	1.815872967	0.005039464	0.010267375	Prkg1
ENSMUSG000000081340.1	7.34518702	2.865934539	0.005041543	0.010270844	RP23-330N10.5
ENSMUSG00000015126.9	1522.037795	0.681911104	0.00504377	0.010274612	Tsr3
ENSMUSG00000113820.2	11.3170093	2.422767209	0.005045504	0.010277375	RP23-71122.10
ENSMUSG00000090084.7	6.522243037	3.518431016	0.005047277	0.010280219	Srpx
ENSMUSG000000028134.11	6483.92771	0.408893304	0.005053073	0.010291254	Ptbp2
ENSMUSG00000040583.8	2.768256571	-5.01617342	0.005060345	0.010305294	Cyp2b13
ENSMUSG00000027188.8	3.448154059	5.145765962	0.005068286	0.010320694	Pamr1
ENSMUSG00000109471.1	15.44425527	-1.551498986	0.005070513	0.010324458	RP23-381J20.2
ENSMUSG00000112150.1	13.50949973	1.821297997	0.005072002	0.010326717	RP23-278O17.1
ENSMUSG00000098224.1	11.96016292	-2.228469945	0.00507987	0.010341963	RP24-484D12.1
ENSMUSG00000020709.15	5.437264922	-3.020217066	0.005082237	0.010345237	Adap2
ENSMUSG00000035560.5	73.97836999	-0.805273955	0.005082186	0.010345237	Wdr20rt
ENSMUSG00000108045.1	1831.718907	-0.627898803	0.005088478	0.010357167	RP24-278I6.1
ENSMUSG00000035992.15	2175.098909	0.39007223	0.005093739	0.0103671	Fnip1
ENSMUSG00000036880.9	812.4435846	0.665120655	0.005101166	0.010381441	Acaa2
ENSMUSG00000113865.1	143.0754255	0.699360574	0.005103406	0.010385223	RP24-231B8.8
ENSMUSG00000083325.3	712.8134513	0.510106837	0.005108852	0.010395529	RP23-369H9.3
ENSMUSG00000020448.16	1814.443657	0.389392176	0.005110954	0.01039903	Rnf185
ENSMUSG00000004247.5	49.37876826	-0.963589595	0.005112331	0.010401055	Tbc1d10c
ENSMUSG000000073840.6	3.130374887	5.026257559	0.005120753	0.01041741	Mup-ps2
ENSMUSG00000102697.1	149.1449665	1.541809348	0.005122243	0.010419663	Pcdhac2
ENSMUSG00000019966.18	426.1659646	0.765827254	0.005125246	0.010424994	Kitl
ENSMUSG00000001642.18	4854.388725	-0.66782206	0.005126827	0.010427574	Akr1b3
ENSMUSG000000085787.3	2026.403269	-0.788294509	0.005131744	0.010436652	RP23-278I3.4
ENSMUSG00000027406.12	3915.029114	-0.306727254	0.005139533	0.010451714	Idh3b
ENSMUSG00000079071.2	3.260852285	-5.253179319	0.00514108	0.01045408	RP23-357I14.1
ENSMUSG00000104784.1	7.510902466	2.373910544	0.00514176	0.010454681	RP24-230J14.10
ENSMUSG00000082715.1	253.7019449	0.978295419	0.005150218	0.010471098	RP23-309H19.2
ENSMUSG00000025220.7	9020.561373	0.634704229	0.005153591	0.010476392	Mgea5
ENSMUSG00000104950.1	50.33667289	1.639137594	0.005153453	0.010476392	RP23-434H17.6
ENSMUSG000000087403.9	1210.210185	0.70688537	0.005156864	0.010482263	RP23-147K15.4
ENSMUSG00000033377.14	20.14001088	1.638017119	0.005158198	0.010484193	Palmd
ENSMUSG00000080303.2	10.94425308	-1.818145069	0.005176515	0.010520637	RP23-113J20.1
ENSMUSG00000002343.11	1231.66428	0.502698115	0.005179885	0.0105267	Armc6
ENSMUSG00000045268.13	316.3552553	-0.506056563	0.005190986	0.010548474	Zfp691
ENSMUSG00000108732.1	8.911515967	2.22855505	0.005198797	0.010562771	RP24-67F19.6
ENSMUSG00000115263.1	9.938396924	2.583537549	0.00519847	0.010562771	RP23-142O4.5
ENSMUSG00000112297.1	215.7860886	-1.205061849	0.005205153	0.010574896	RP23-6C18.6
ENSMUSG00000052572.17	138.4652268	1.145583813	0.00520782	0.010578735	Dlg2
ENSMUSG00000054716.4	715.8793317	0.864735964	0.005207763	0.010578735	Zfp771
ENSMUSG00000108484.1	289.3858153	-1.127863	0.005212544	0.010587542	RP23-361O12.4
ENSMUSG00000029499.11	83.55937003	0.925017335	0.005213741	0.010589184	Pxmp2
ENSMUSG00000061808.3	2.979067776	4.937013562	0.005214812	0.010590571	Ttr
ENSMUSG00000013974.3	2.594755679	4.753084757	0.005216373	0.010592951	Mcemp1
ENSMUSG00000028540.6	552.5503095	-0.449268047	0.00522064	0.010598939	Dph2
ENSMUSG00000042655.5	3.880264307	4.292317851	0.005220878	0.010598939	Fam159b
ENSMUSG00000085574.1	2.578446745	-4.915418219	0.005220246	0.010598939	RP23-103K12.3
ENSMUSG00000096409.3	2.578446745	-4.915418219	0.005220246	0.010598939	Olfir890
ENSMUSG000000041878.3	7.184706963	2.826783492	0.005222927	0.010602309	RP23-466C15.4
ENSMUSG00000003200.9	1960.03397	-0.312418148	0.005226561	0.010608894	Sh3gl1
ENSMUSG00000097039.8	6.608787545	-2.613566184	0.00522772	0.010610216	Pvt1
ENSMUSG00000097561.1	7.575704388	2.626353197	0.005227991	0.010610216	RP24-67A10.1
ENSMUSG000000078247.3	5.349322202	3.802964028	0.005229474	0.010612435	Airn
ENSMUSG00000080893.1	1940.08273	0.82286367	0.005240881	0.010634	AC122339.3
ENSMUSG000000089146.1	3.732807304	4.239579826	0.00524072	0.010634	Gm25266
ENSMUSG00000021236.16	351.0672326	0.713094225	0.005257591	0.01066711	Entpd5
ENSMUSG00000073684.13	774.1297834	0.74687123	0.005258375	0.010667907	Faap20
ENSMUSG00000032122.15	179.8215713	-0.551557718	0.005263057	0.01067661	Slc37a2
ENSMUSG00000113022.1	33.27472247	-2.181405964	0.005265235	0.010680234	RP23-397E11.1
ENSMUSG00000037455.16	210.8443669	0.675112943	0.00526735	0.010683729	Slc18b1
ENSMUSG00000110981.1	4.44765108	4.51829332	0.005268289	0.010684837	RP24-362F17.1
ENSMUSG000000031738.14	20.38842915	1.738663531	0.005271006	0.010689551	Irx6
ENSMUSG000000087413.1	2.670152875	4.800290078	0.00527671	0.010700323	RP23-386C23.1
ENSMUSG00000094382.1	3.455706928	-4.31037517	0.00527827	0.01070269	Gm22192
ENSMUSG00000027342.14	7530.994863	-0.603086292	0.005280264	0.010704343	Pcna
ENSMUSG00000039546.9	273.4945746	-0.601754182	0.005279902	0.010704343	Ajap1
ENSMUSG00000073737.3	10.19477402	-1.906763425	0.005279482	0.010704343	RP23-143L15.1
ENSMUSG00000083659.1	11.06719094	-1.846705301	0.005284611	0.010712358	RP23-152P13.2
ENSMUSG00000019132.11	6766.248709	0.488858404	0.005303588	0.010750025	RP23-92G13.4
ENSMUSG00000031232.16	2363.050914	-0.505019548	0.005304363	0.010750797	Magt1
ENSMUSG000000084115.1	18.3782302	-1.664707018	0.005305492	0.010752284	RP23-412C22.2
ENSMUSG00000094189.1	6.785139156	2.747570584	0.005311251	0.010763155	RP24-204J8.2

ENSMUSG00000053216.15	22.92450272	-1.571982093	0.00531213	0.010764135	Btn2a2
ENSMUSG00000039163.10	749.4175996	0.744626356	0.005314098	0.010767323	Cmc1
ENSMUSG00000096944.1	10.27430835	3.761841046	0.005314854	0.010768055	Gm26722
ENSMUSG00000033904.16	3172.629631	-0.566613314	0.005315442	0.010768445	Ccp110
ENSMUSG00000034729.16	1238.22941	-0.371689793	0.0053235	0.010783966	Mrps10
ENSMUSG00000015702.13	42.67726841	-1.335017127	0.005331215	0.010797989	Anxa9
ENSMUSG00000028409.11	4989.492748	-0.478009675	0.005330901	0.010797989	Smu1
ENSMUSG00000022722.18	822.4780145	0.481961149	0.005338888	0.010812727	Arl6
ENSMUSG00000009640.11	1314.608377	0.528349206	0.005345875	0.010826071	Dmap1
ENSMUSG00000113753.1	7207.797709	-0.696507713	0.00534684	0.010827222	RP23-7C22.4
ENSMUSG00000091994.2	254.7940473	0.557536336	0.005357349	0.010847695	RP23-13B8.9
ENSMUSG00000107853.1	806.1457806	-0.514802762	0.005359774	0.010851799	RP24-409C18.1
ENSMUSG00000035403.10	1029.123232	0.82459821	0.005386558	0.010905218	Crb2
ENSMUSG00000023809.10	2526.534132	-0.772508632	0.005390498	0.010912384	Rps6ka2
ENSMUSG00000078234.6	45.17766288	0.972787539	0.005393523	0.010917696	Klhdc7a
ENSMUSG00000050550.7	1317.96203	-0.43353022	0.005400691	0.010931393	RP23-305A10.3
ENSMUSG00000008461.6	8.917769051	-2.045579515	0.005402363	0.010933964	Fut1
ENSMUSG00000043333.12	5.911726685	-2.80405022	0.005405592	0.010939688	Rhbdl2
ENSMUSG00000103707.5	18.20530151	1.514546099	0.005406842	0.010941405	Pcdha6
ENSMUSG00000103224.1	252.1933874	-0.469749295	0.005408894	0.010944744	RP23-243N8.1
ENSMUSG00000114288.1	6.875158893	3.625007856	0.005409718	0.010945599	RP24-163I13.4
ENSMUSG00000001819.4	44.70610014	-1.067849963	0.0054109	0.010947177	Hoxd13
ENSMUSG00000034192.5	1945.610416	-0.842505465	0.005438021	0.01100123	Lsm3
ENSMUSG00000028149.12	2759.680939	-0.633282135	0.005448224	0.011021052	Rap1gds1
ENSMUSG00000101587.2	15.70123652	1.821013901	0.005453071	0.011030038	RP23-7E4.5
ENSMUSG000000055102.15	7.376604475	3.248836302	0.00545638	0.011035912	Zfp819
ENSMUSG00000074171.2	73.39671302	1.045870726	0.005461448	0.011045342	RP23-235I2.3
ENSMUSG00000031879.14	1087.20891	0.665651196	0.005464181	0.01105005	Fam96b
ENSMUSG00000109370.1	2.655607532	4.781542666	0.005465314	0.01105152	RP23-242J3.1
ENSMUSG000000086913.1	3.801007535	4.268197145	0.005475542	0.011071381	RP23-328F20.2
ENSMUSG000000062980.15	13.29087954	-2.317581931	0.00547987	0.01107931	Cped1
ENSMUSG00000081887.1	514.3554445	-0.955932945	0.005487	0.011092901	RP23-87I3.2
ENSMUSG00000096878.2	3.276513645	5.098957017	0.005499156	0.011116653	RP24-152F23.5
ENSMUSG000000082706.1	268.9162393	-0.505446574	0.005503181	0.011123963	RP23-380H19.7
ENSMUSG00000039903.17	18.56800086	1.757669379	0.005521527	0.011158782	Eva1c
ENSMUSG00000064585.1	2.467181965	-4.846111641	0.005521635	0.011158782	Gm25129
ENSMUSG000000092097.1	57.68004167	-1.165425525	0.005520884	0.011158782	Gm5819
ENSMUSG000000036036.15	2944.957685	0.640406864	0.005522902	0.011160515	Zfp57
ENSMUSG00000032316.8	2597.562567	0.349746579	0.005542535	0.011199358	Clk3
ENSMUSG000000080880.1	17.93164544	2.085095139	0.005551522	0.011216685	RP24-482A24.10
ENSMUSG00000037339.17	1141.418672	-0.376801689	0.005555769	0.011224433	Fam53a
ENSMUSG00000111104.1	63.55990219	0.952771014	0.00556353	0.011239279	RP23-88K14.4
ENSMUSG00000115205.1	12.41872357	-1.867432753	0.005566046	0.011243528	RP23-177B8.3
ENSMUSG00000038807.18	522.5405621	0.805670385	0.005596122	0.011303445	Rap1gap2
ENSMUSG000000085211.2	5.61165365	3.894155481	0.005602974	0.011316445	RP23-9N9.4
ENSMUSG00000053293.9	6124.057253	-0.639508874	0.005619007	0.011347987	Pom121
ENSMUSG00000027663.12	2462.768066	-0.727864378	0.005622051	0.011353292	Zmat3
ENSMUSG00000007891.16	6115.779905	0.771135156	0.00562558	0.011359577	Ctsd
ENSMUSG00000110156.1	97.12211773	1.137123852	0.005627777	0.011363171	RP23-453G12.2
ENSMUSG00000051682.15	3.612145346	-4.382312396	0.005628407	0.011363601	Trem14
ENSMUSG000000086541.8	12.89107031	1.634408522	0.005633887	0.011373821	Has2os
ENSMUSG000000065876.1	3.682697201	5.241185019	0.00563704	0.011379343	Gm25682
ENSMUSG000000080888.3	157.6412661	-0.931899809	0.005653163	0.011411045	RP23-330D3.2
ENSMUSG00000030205.15	2.7923693	4.866255382	0.005654148	0.011412189	Gprc5d
ENSMUSG00000057503.6	20.45996643	-1.82663852	0.005654976	0.011413014	Olf1459
ENSMUSG00000101037.1	33.74130502	1.197277905	0.005660056	0.011422419	RP23-260J19.3
ENSMUSG000000020528.14	2743.315247	0.423299249	0.00566291	0.011427334	Prpsap2
ENSMUSG00000032777.9	5166.590774	-0.754542972	0.005668352	0.011436635	Gtf3c1
ENSMUSG00000043311.7	304.4562935	0.551048501	0.005668359	0.011436635	RP23-115O3.10
ENSMUSG000000047003.15	2018.68745	0.599467264	0.005668924	0.011436928	Zfp41
ENSMUSG00000116581.1	9.810499507	-2.236293681	0.005672012	0.01144231	RP23-10P23.3
ENSMUSG00000048249.14	545.2635507	0.755277394	0.005677366	0.011452262	Crebrf
ENSMUSG00000108086.1	19.89142753	-1.498204895	0.005679784	0.011456292	RP23-111G16.6
ENSMUSG000000027808.8	4617.297433	-0.329814226	0.005686757	0.011469507	Serp1
ENSMUSG00000103525.1	3.497458001	-4.329077495	0.005689763	0.01147472	RP24-193D9.3
ENSMUSG00000046683.16	2.733332546	4.828166119	0.005690827	0.011476017	RP23-80N18.1
ENSMUSG00000074034.1	418.1028156	-0.786843874	0.005691568	0.011476662	RP23-271F18.1
ENSMUSG000000063442.5	1701.389662	-0.915808138	0.005696211	0.011485173	RP23-170G19.3
ENSMUSG00000085555.9	70.33084519	-0.875153499	0.005698363	0.011488663	RP23-142O4.3
ENSMUSG00000049672.14	1079.277663	0.403141208	0.005699265	0.011489631	Zbtb14
ENSMUSG000000029125.14	711.8593863	0.469940842	0.005700042	0.011490347	Stx18
ENSMUSG00000097408.1	5.86482629	3.381255773	0.005707295	0.011504117	RP24-258M24.2
ENSMUSG00000095561.1	7.621338657	-2.579474906	0.005716704	0.011522229	RP23-265N8.4
ENSMUSG000000086022.1	14.50660629	1.83397808	0.005718397	0.011524789	Rad51ap2
ENSMUSG000000044730.16	499.6117679	0.468074715	0.005720842	0.011528863	9930104L06Rik
ENSMUSG00000054514.3	23.86351619	1.224474372	0.005721758	0.011529856	Atad3aos
ENSMUSG00000040549.16	9307.928478	-0.726154003	0.005725384	0.011536311	Ckap5
ENSMUSG000000093671.1	690.7257174	-0.841262984	0.005728776	0.01154229	RP23-445D13.2
ENSMUSG000000037808.13	1647.294199	-0.558984405	0.005737775	0.011559567	Fam76b
ENSMUSG00000103668.1	3.917690681	4.301144901	0.005739305	0.011561795	RP23-314I1.1
ENSMUSG000000090305.2	559.1304382	-0.797243764	0.00574007	0.011562481	RP24-375I15.2
ENSMUSG000000083819.1	130.7185651	-1.210839461	0.005747623	0.011576838	RP23-169J19.11
ENSMUSG00000003534.17	2544.966713	0.754674668	0.005750236	0.011581247	Ddr1

ENSMUSG00000105382.1	23.30689643	-1.910319337	0.005753462	0.011586886	RP24-257M14.3
ENSMUSG00000040479.11	1642.969832	-0.455307558	0.005787122	0.011653812	Dgkz
ENSMUSG00000104136.1	11.14016719	-2.301344278	0.005799642	0.011678162	RP24-290F15.1
ENSMUSG00000116397.1	3.432306336	5.147134614	0.005801925	0.011681895	RP23-140F20.2
ENSMUSG000000041673.12	31.87987947	1.225400875	0.005810643	0.011698583	Lrrc18
ENSMUSG00000103483.1	4.843154217	5.657151609	0.005813289	0.011703045	RP23-161O8.1
ENSMUSG00000103640.1	2.658448068	4.79445934	0.005841345	0.011758658	RP23-95L22.1
ENSMUSG00000015668.13	1259.968857	0.555657206	0.005847702	0.011770585	Pdzd11
ENSMUSG000000111932.1	279.5746513	-0.84818485	0.005855467	0.011785345	RP24-460E12.1
ENSMUSG00000055540.15	24.2991799	1.676116858	0.005856054	0.011785655	Epha6
ENSMUSG00000009406.13	808.8068975	-0.565996006	0.005856957	0.011786601	Elk1
ENSMUSG000000038037.5	41.37509357	-0.902833847	0.005857746	0.011787319	Socs1
ENSMUSG00000027080.6	1900.234681	0.617962825	0.005876456	0.011824095	Med19
ENSMUSG000000255902.13	11.15855626	1.851464742	0.005882951	0.011836288	Sox17
ENSMUSG00000053889.5	2.975437578	4.955033416	0.005891648	0.011852911	Kirrel3os
ENSMUSG00000005649.17	6.085274426	2.969319006	0.005897618	0.011863169	Cabp5
ENSMUSG00000065530.1	2.779639056	4.838680522	0.005897437	0.011863169	Mir99a
ENSMUSG00000115543.1	9.260263026	2.262365152	0.005907572	0.011882315	RP24-90K19.4
ENSMUSG00000113216.1	6.105991298	2.955983049	0.00590983	0.011885979	RP23-128M23.2
ENSMUSG000000083231.1	7.239432623	-2.776513323	0.005918665	0.01190287	RP23-199A12.1
ENSMUSG00000034968.3	16.49047377	1.901254831	0.00592559	0.011915917	Lbx2
ENSMUSG000000080912.1	34.81632044	-1.065520417	0.00593505	0.011934059	RP23-5512.4
ENSMUSG00000102423.1	8.974144794	-1.952113805	0.005945468	0.011954125	RP23-380F8.3
ENSMUSG00000073792.11	459.3014078	-0.722451813	0.005949437	0.011961222	Alg6
ENSMUSG00000060036.14	20100.92371	-0.74878536	0.005950986	0.011963454	Rpl3
ENSMUSG00000025076.9	65.75836997	0.822320247	0.005952232	0.011965076	Casp7
ENSMUSG00000114372.1	2.462193136	-4.8437891	0.005954914	0.011969584	RP23-296L12.1
ENSMUSG00000085957.4	2.460481853	-4.842838461	0.005958907	0.011976725	Syna
ENSMUSG00000037791.15	2991.173795	-0.799329296	0.005966247	0.011990595	Phf12
ENSMUSG0000002647.16	486.0463244	0.880943397	0.005969665	0.011996579	Pik3c2b
ENSMUSG00000005191.13	3.950990004	4.322975585	0.00597836	0.012013166	RP23-411N10.2
ENSMUSG00000081631.1	1040.662605	-0.862272392	0.005978886	0.012013337	RP23-440I12.2
ENSMUSG00000109270.1	6.131112195	2.959297253	0.005979984	0.012014656	RP23-218E6.2
ENSMUSG00000028443.6	743.422118	0.824706085	0.005988946	0.012031775	Nudt2
ENSMUSG00000015950.13	6.745835303	2.452399691	0.005993466	0.012039967	Ncf1
ENSMUSG00000025465.13	3391.153236	0.578378231	0.005997455	0.012047092	Echs1
ENSMUSG00000054206.2	29.39910949	1.438329818	0.006001688	0.012054707	Gzmm
ENSMUSG00000006958.14	170.5464076	0.672841143	0.006004879	0.012060226	Chrd
ENSMUSG00000079566.1	2.442092799	-4.833744518	0.006005415	0.012060414	Spin2d
ENSMUSG00000095627.1	16.92942583	-1.790560973	0.006010219	0.012067393	RP23-61E13.1
ENSMUSG00000096453.1	16.92942583	-1.790560973	0.006010219	0.012067393	RP23-430N5.1
ENSMUSG00000096899.1	16.92942583	-1.790560973	0.006010219	0.012067393	RP23-256J1.1
ENSMUSG0000006342.15	72.67195389	1.181212887	0.006024015	0.012094201	Susd2
ENSMUSG00000071723.7	1050.391275	0.549464801	0.00602774	0.012100788	Gspt2
ENSMUSG00000017307.16	437.5252072	0.447985926	0.006042576	0.012129677	Acot8
ENSMUSG00000101449.1	24.13277155	-2.152542174	0.006043407	0.012130451	RP24-269A16.5
ENSMUSG00000101612.2	16.50124434	-1.531794565	0.006046962	0.012136693	RP23-125B4.2
ENSMUSG00000084794.1	2.425415027	-4.825582679	0.006048245	0.012138375	RP23-5K9.3
ENSMUSG00000109618.1	13.5925365	-2.276036771	0.006053719	0.012148466	RP24-306C18.9
ENSMUSG00000021550.6	10.29194118	2.1449021	0.006057473	0.012155104	RP24-194D17.3
ENSMUSG00000082100.1	811.6267888	-0.613076805	0.00605822	0.012155706	Glns-ps1
ENSMUSG00000084230.1	680.3161424	-0.436214918	0.006060943	0.012160276	AC123837.1
ENSMUSG000000081599.1	7.877840931	2.417295718	0.00606981	0.012177167	RP24-574J13.6
ENSMUSG00000081661.1	75.89777745	1.108937476	0.006070472	0.0121776	RP23-163B21.4
ENSMUSG00000038007.14	199.958919	0.8196637	0.006073421	0.012182563	Acer2
ENSMUSG00000110469.1	8.874908446	-2.118302061	0.006073841	0.012182563	RP23-288O12.2
ENSMUSG00000034845.6	28.01818361	1.095261371	0.006078559	0.012191128	Plvap
ENSMUSG00000098202.1	18.46080451	1.542934826	0.00608329	0.012199719	RP23-378G4.2
ENSMUSG00000050335.17	10.59530349	2.892699212	0.006090973	0.012214327	Lgals3
ENSMUSG00000033307.7	7946.142994	-0.867292984	0.00610187	0.012235179	Mif
ENSMUSG00000046213.9	5.830652662	2.87172741	0.006105005	0.012240565	Cym
ENSMUSG00000113397.1	5.4541254	-3.4369984	0.006106764	0.01224319	RP23-177B9.3
ENSMUSG00000072612.2	3.694868212	4.219614989	0.006107416	0.012243595	Gm10382
ENSMUSG00000111533.1	6.250154498	-2.559896866	0.006109815	0.012247504	RP24-264F17.4
ENSMUSG00000077625.1	22.03429964	-1.444810779	0.006113143	0.012253274	Snord4a
ENSMUSG00000105457.1	22.14416275	1.803660838	0.006116216	0.012258531	RP23-7E4.4
ENSMUSG00000112274.1	5.757645664	3.314971655	0.006120251	0.012265716	RP24-147D14.3
ENSMUSG000000049878.13	2298.810927	-0.739145334	0.006125249	0.012274829	Rif
ENSMUSG00000058669.7	9.329340178	-2.459153802	0.006138193	0.012298959	Nkx2-9
ENSMUSG00000113406.1	6.284775379	-2.921411282	0.006137756	0.012298959	RP23-4G2.2
ENSMUSG000000026384.13	2030.793799	-0.692635247	0.006141053	0.012303785	Ptpn4
ENSMUSG00000029397.15	1336.854101	0.370400276	0.006141518	0.012303812	Rchy1
ENSMUSG00000112110.1	20.02336134	1.975893945	0.006145219	0.012310321	RP24-406I15.1
ENSMUSG00000030630.16	196.3786706	-0.609196862	0.006150791	0.012320577	Fah
ENSMUSG00000105995.1	36.62341489	1.8265827	0.006153836	0.012325769	RP23-261M19.2
ENSMUSG00000066178.2	16.8781551	1.442229616	0.006154948	0.012327091	6030445D17Rik
ENSMUSG00000084083.1	48.71977121	-0.960195341	0.006162387	0.012341082	RP23-214L4.3
ENSMUSG00000022441.17	10.26649332	-2.11742267	0.006164834	0.012345076	Efcab6
ENSMUSG00000112670.1	4.314562192	-3.73534282	0.006166617	0.012347739	RP23-197F5.3
ENSMUSG00000032657.15	396.2132436	-0.470305355	0.00616952	0.012352643	Fam189b
ENSMUSG00000001150.7	2642.743723	-0.760038187	0.006170025	0.012352746	Mcm3ap
ENSMUSG00000030878.11	1258.775487	-0.357554064	0.006173003	0.0123578	Cdr2
ENSMUSG00000032480.17	4350.172295	-0.574389254	0.00618046	0.01237182	Dhx30

ENSMUSG00000038175.10	214.7694785	0.630318115	0.006191867	0.012393743	Myliip
ENSMUSG00000108720.1	2.815778914	4.876560451	0.006193374	0.012395849	RP23-172P1.4
ENSMUSG00000110504.1	4.826219725	3.668341198	0.00619407	0.012396332	RP23-451H9.2
ENSMUSG00000020241.13	90.09759405	-0.830358319	0.006195171	0.012397623	Col6a2
ENSMUSG000000103761.1	5.676982695	3.322386014	0.006196106	0.012398585	RP23-128G10.6
ENSMUSG00000091956.2	4.779629875	3.657520622	0.006197853	0.012401169	C2cd4b
ENSMUSG00000014303.13	876.6001716	0.748358293	0.006209818	0.012424197	Glis2
ENSMUSG00000055865.8	5.115396676	3.152776395	0.006211876	0.012427402	Fam19a3
ENSMUSG000000094643.1	3397.229948	0.598121269	0.006218139	0.012439019	RP23-216P14.8
ENSMUSG00000103506.1	8.470997633	-2.391930912	0.006219785	0.012441396	RP23-93D12.2
ENSMUSG00000105609.1	6.206481279	3.000572865	0.006222239	0.012445393	RP23-301L9.6
ENSMUSG00000037466.13	793.1152851	-0.390046264	0.006236615	0.01247323	RP24-468O24.4
ENSMUSG00000113581.1	2.545608632	4.729723825	0.006240537	0.012480157	RP23-392O3.2
ENSMUSG00000067274.10	56701.87837	-0.722205467	0.006243935	0.012486037	Rplp0
ENSMUSG00000002847.7	8.251546055	2.818450562	0.006245749	0.012488748	Pla1a
ENSMUSG000000094643.1	16.26209167	-1.786258365	0.006251379	0.012499087	RP23-383O14.2
ENSMUSG00000079045.3	5.967372996	3.386882247	0.006254064	0.012503538	Prox1os
ENSMUSG00000069170.14	1831.874252	-0.851620121	0.006274662	0.012543798	Adgrv1
ENSMUSG00000114998.1	10.94653107	-1.788405802	0.006283734	0.012561013	RP24-366F6.2
ENSMUSG00000115483.1	134.3743169	-0.762392034	0.00629114	0.012574894	RP24-63B17.4
ENSMUSG00000096647.2	470.1214981	-0.955547996	0.006292078	0.012575846	RP24-89F9.7
ENSMUSG00000030527.15	352.6582653	0.681213523	0.006294869	0.012580501	Crtc3
ENSMUSG0000000215.11	2.79367168	4.844956364	0.006295712	0.012581265	Ins2
ENSMUSG00000108297.1	5.991546937	3.377611816	0.006296204	0.012581324	RP23-392K24.6
ENSMUSG00000097265.1	2.484244061	4.685966054	0.006303421	0.012594821	RP23-88A13.3
ENSMUSG00000051034.7	293.5651504	-0.569814734	0.00630887	0.012604785	Zfp11
ENSMUSG000000099876.1	87.9484182	0.85313767	0.006316489	0.012619081	RP24-540G19.3
ENSMUSG00000078117.2	34.25576426	1.788505484	0.006319149	0.01262347	Gm16485
ENSMUSG00000074564.3	5.339448359	3.809191008	0.006332319	0.012648851	Gm10720
ENSMUSG00000114493.1	4.072203254	4.391724805	0.006333053	0.012649391	RP24-320119.2
ENSMUSG000000030718.9	3172.54243	0.503864393	0.006350346	0.01268207	Ppme1
ENSMUSG00000109765.2	9.487354253	2.52099836	0.006349936	0.01268207	RP23-187B11.6
ENSMUSG00000063704.13	45.12340387	-1.05873459	0.006360811	0.01270204	Mapk15
ENSMUSG00000079386.8	77.8055078	-0.985602339	0.006361771	0.012703025	RP24-218O5.5
ENSMUSG00000115591.1	3.61379634	4.206369772	0.006364995	0.012708531	RP24-498G7.2
ENSMUSG00000081059.3	135.2008146	0.7996279	0.006367832	0.012713264	RP23-17N7.5
ENSMUSG00000036151.15	45.89170768	1.378911994	0.0063728	0.012722249	Tm6sf2
ENSMUSG000000086837.1	2.55731344	4.735408382	0.006379622	0.012734003	RP23-101H1.15
ENSMUSG00000105127.1	2.55731344	4.735408382	0.006379622	0.012734003	RP24-179L19.4
ENSMUSG00000041415.10	6695.292908	-0.718160433	0.006380404	0.012734629	Dicer1
ENSMUSG00000041805.3	2.485571019	-4.855360129	0.006381989	0.01273686	Pramel1
ENSMUSG00000028490.2	7.078314151	-2.413356882	0.006390171	0.012751321	Hes2
ENSMUSG00000097961.1	952.0565192	1.027730597	0.006390107	0.012751321	RP23-286G19.5
ENSMUSG00000109408.1	70.85182636	-0.982576467	0.00640524	0.012780455	RP23-25M3.6
ENSMUSG0000003228.8	280.7918076	-0.497542646	0.006406345	0.012781723	Grk5
ENSMUSG000000049134.15	4.706905168	5.615989623	0.006413713	0.012795487	Nrap
ENSMUSG00000094743.2	2.559641257	4.735726857	0.00641558	0.012798273	Mup-ps7
ENSMUSG00000028307.9	2.533903825	4.723895608	0.006429925	0.01282595	Aldob
ENSMUSG00000032366.15	7142.799823	-0.362871292	0.006432335	0.012829818	Tpm1
ENSMUSG00000012889.8	7.40423964	2.894574429	0.006435335	0.012834863	Podnl1
ENSMUSG00000101571.2	14.12540003	-1.821647295	0.006436319	0.012835885	RP23-411P10.5
ENSMUSG00000105985.1	14.61600837	1.76243078	0.006439459	0.012841209	RP23-378O9.1
ENSMUSG000000091313.1	14.51718678	1.662749751	0.006441985	0.012845304	Fth-ps2
ENSMUSG00000109002.1	3.251053157	5.061452911	0.00644574	0.012851851	RP23-428N8.3
ENSMUSG00000004788.11	2779.711653	-0.686078438	0.006451653	0.012862701	Eif2b2
ENSMUSG00000035142.18	677.9240848	-0.694302824	0.006457917	0.012874246	Nubpl
ENSMUSG000000046747.8	3.66913078	4.21135812	0.006470377	0.012898141	Gm9812
ENSMUSG00000021996.16	2260.748328	0.653081223	0.006479627	0.012915636	Esd
ENSMUSG00000027229.5	2.450504194	-4.838070371	0.006484215	0.012923835	RP23-277B16.2
ENSMUSG000000046500.8	60.54668856	-0.828018847	0.006486974	0.012928389	Fam19a4
ENSMUSG00000031410.14	6.874232027	-2.749732177	0.006488294	0.012930074	Nxf7
ENSMUSG00000036718.17	74.92010994	0.896940183	0.006490014	0.012932554	Micall2
ENSMUSG00000087478.1	7.672329713	2.178944994	0.006491355	0.012934282	RP23-430N15.2
ENSMUSG00000042073.15	140.4310679	0.76255928	0.006492088	0.012934795	Abhd14b
ENSMUSG00000040840.7	3.469107153	-4.315152219	0.00649388	0.012937419	RP23-94B13.2
ENSMUSG00000035963.8	2.545095914	4.715901811	0.006495971	0.012939693	Odf3l2
ENSMUSG00000112015.1	2.545095914	4.715901811	0.006495971	0.012939693	RP23-58D1.3
ENSMUSG000000051427.14	502.6909808	0.811345094	0.006504656	0.012956045	Ccdc157
ENSMUSG00000083332.1	157.8048413	-0.528450634	0.006505435	0.01295665	AC102055.4
ENSMUSG000000089417.1	23.34817582	1.783768858	0.006508903	0.01296261	Gm22009
ENSMUSG00000101959.1	21.54776678	-1.696059095	0.006519203	0.012982174	Ldhal6b
ENSMUSG00000074665.10	5.459275657	-3.042880905	0.006524937	0.012992643	Bpifb4
ENSMUSG00000081920.2	152.9700823	-0.953106723	0.006527997	0.012997786	AC121131.7
ENSMUSG00000093765.7	2.43211514	-4.8289087	0.006538409	0.013017565	RP24-386J17.2
ENSMUSG00000028182.14	29.95890724	1.199943279	0.006540619	0.013021012	Lrriq3
ENSMUSG00000008140.17	3333.93799	0.503741591	0.006556851	0.013052026	Emc10
ENSMUSG00000105502.1	3.65695977	5.232558517	0.006557156	0.013052026	RP23-219K16.2
ENSMUSG00000042742.7	1409.170781	-0.451046323	0.006576559	0.013089692	RP23-343E20.2
ENSMUSG00000103076.1	15.27084095	-2.497358125	0.00657864	0.013092878	RP24-193D9.4
ENSMUSG00000091627.1	2.728676911	4.827211492	0.006584552	0.013103686	RP23-11E12.1
ENSMUSG00000105084.1	2.412014803	-4.818756765	0.006594567	0.013122658	RP24-529E15.3
ENSMUSG00000086859.3	781.8750801	0.849394116	0.006601135	0.013134768	Snhg20
ENSMUSG00000025737.5	847.1712123	-0.381826288	0.006609225	0.013149907	Wdr24

ENSMUSG00000116835.1	17691.04251	-0.729679929	0.006614978	0.013160391	RP24-92K17.5
ENSMUSG00000018697.14	2916.654169	-0.343848668	0.006616473	0.013162404	Aatf
ENSMUSG00000103493.1	5.376627507	-3.467439496	0.006619573	0.01316761	RP24-73O16.3
ENSMUSG00000102546.1	227.4279235	-0.523505118	0.006632387	0.013192136	RP23-155G2.1
ENSMUSG00000006784.14	131.2775665	0.60363842	0.006636836	0.013200021	Ttc25
ENSMUSG00000109829.1	10.45524486	2.348240752	0.006640759	0.01320686	RP23-451A6.4
ENSMUSG00000026896.14	14.98432257	2.265820071	0.006642757	0.013209868	lfih1
ENSMUSG00000025979.13	3138.663185	0.557092725	0.006652074	0.013227432	Mob4
ENSMUSG000000057723.3	2.570833346	4.728104369	0.006654673	0.013231632	Krt33b
ENSMUSG00000001416.13	21845.85957	-0.566025928	0.006660691	0.013242631	Cct3
ENSMUSG00000005357.9	122.8461356	-1.117698403	0.00667526	0.013270629	Slc1a6
ENSMUSG00000112140.1	56.6700927	-2.035520348	0.006683336	0.013285715	RP23-174M1.1
ENSMUSG00000027509.11	3035.117127	-0.411891477	0.006691224	0.013300426	Rae1
ENSMUSG00000020561.8	2701.496658	-0.608173048	0.006700748	0.013316441	Twistnb
ENSMUSG000000044317.7	37.97197374	-1.059290867	0.006700601	0.013316441	Gpr4
ENSMUSG00000114526.1	2.684185499	4.805505286	0.006700054	0.013316441	RP24-406G8.1
ENSMUSG00000032579.14	589.4716895	0.59308916	0.00670677	0.013326465	Hemk1
ENSMUSG00000047324.5	3.38185691	5.139840504	0.006706367	0.013326465	RP23-347J22.1
ENSMUSG00000059552.13	8.435848707	-2.49701966	0.006710827	0.013333553	Trp53
ENSMUSG00000114174.1	5.70232709	3.331206803	0.006717489	0.013345816	RP23-367D2.1
ENSMUSG00000047153.4	1513.931141	-0.863315499	0.006723312	0.013356412	Khyn
ENSMUSG00000097530.1	1753.093296	-0.633305445	0.006737409	0.013383439	Kansl2-ps
ENSMUSG000000028521.17	642.3512671	-0.773798631	0.006740725	0.013389052	Slc35d1
ENSMUSG000000061356.13	16.35564622	1.677467131	0.006742602	0.013391803	Nuggc
ENSMUSG00000106896.1	4.936172109	3.066683245	0.006747088	0.013399735	RP23-391P21.4
ENSMUSG00000094108.1	46.86873809	1.155968863	0.006749384	0.013403319	Gm17258
ENSMUSG000000046962.16	1035.381871	-0.679395548	0.006750572	0.013404699	Zbtb21
ENSMUSG00000036615.6	788.3895393	0.402346997	0.006754292	0.01341111	Rfxap
ENSMUSG00000022905.12	3947.489721	-0.551180656	0.006754943	0.013411424	Kpna1
ENSMUSG00000001435.15	4613.49391	-0.61256655	0.006757792	0.013416103	Col18a1
ENSMUSG000000063506.14	309.9258866	0.502630851	0.006766464	0.013432286	Arhgap22
ENSMUSG00000104947.1	3.463071171	-4.299536459	0.006766929	0.013432286	RP23-339I6.1
ENSMUSG00000021254.9	857.6992035	0.651870175	0.006796305	0.013489613	Gpatch2l
ENSMUSG00000004205.8	3.491579915	4.151886967	0.006810018	0.013515847	Cuzd1
ENSMUSG000000026341.16	8517.264944	-0.305289961	0.006812593	0.013519572	Actr3
ENSMUSG000000060227.15	4070.101081	0.587491863	0.006812888	0.013519572	Casc4
ENSMUSG000000064647.1	41.38267672	-1.039471188	0.006814155	0.013521102	Gm23301
ENSMUSG000000022994.9	1329.755944	0.89340219	0.006827451	0.013546498	Adcy6
ENSMUSG00000100397.1	104.5707977	0.669028729	0.006830435	0.013551432	RP23-237L7.1
ENSMUSG00000038612.16	6944.877375	-0.334439519	0.006833087	0.013555706	Mcl1
ENSMUSG000000054072.11	3.077361868	4.981250678	0.006839072	0.013566592	ligp1
ENSMUSG000000039977.16	11.15962713	2.113471586	0.006840633	0.013568275	Deup1
ENSMUSG00000105050.1	3.016510015	4.95466022	0.006840917	0.013568275	RP23-458G12.2
ENSMUSG00000103560.1	4.34519181	4.464406318	0.006843873	0.013573151	RP23-317P24.1
ENSMUSG000000023967.9	1745.236002	0.79469244	0.006850046	0.013584404	Mrps18a
ENSMUSG000000066979.6	4836.195996	-0.427066018	0.006854341	0.013591932	Bub3
ENSMUSG00000052135.8	108.5765338	0.707200567	0.006856568	0.013595359	Foxo6
ENSMUSG00000057580.4	3498.949858	0.785136896	0.006865172	0.013611427	RP23-356J2.8
ENSMUSG00000115383.1	5.535919014	-2.941432689	0.006870132	0.013620271	RP23-470I4.7
ENSMUSG00000054792.15	657.9313292	0.840802891	0.00687136	0.013621714	Klhl18
ENSMUSG00000109663.1	46.17769819	-0.965005843	0.006882912	0.013643622	RP23-323L3.3
ENSMUSG000000028920.9	2791.989262	-0.711750194	0.006884618	0.01364601	Fbxo42
ENSMUSG00000113666.1	3.228156261	5.058975349	0.00689203	0.013659708	RP23-221K23.2
ENSMUSG00000026857.9	1636.735311	0.648862165	0.006901048	0.013676586	Ntmt1
ENSMUSG00000108452.1	4.861287631	3.047973598	0.006940598	0.013753966	RP23-74N13.2
ENSMUSG000000022434.8	1591.846171	-0.36524004	0.006961413	0.013794211	Fam118a
ENSMUSG000000090707.8	210.5597423	0.61509015	0.006964029	0.01379839	RP23-460G24.1
ENSMUSG00000046679.16	310.0721992	0.551676336	0.006967824	0.013804906	RP23-281H4.3
ENSMUSG000000064299.6	5.004267443	3.699540293	0.006969306	0.013806837	RP23-63L7.2
ENSMUSG000000081187.1	33.01018313	-1.244954323	0.006983052	0.013833064	RP23-147K5.3
ENSMUSG00000097726.7	2.522199018	4.717862419	0.006984414	0.013834757	RP24-507K16.1
ENSMUSG00000102324.1	17.45348135	-1.69632389	0.006986335	0.013837556	RP23-456B9.18
ENSMUSG00000025982.13	16040.52914	-0.707289012	0.006996744	0.013857164	Sf3b1
ENSMUSG00000029195.10	7.725800689	2.701597919	0.006997791	0.013858231	Klb
ENSMUSG00000083970.1	7.066300569	-2.736500036	0.007000562	0.01386271	RP23-284G7.1
ENSMUSG00000100280.2	13.81409608	-2.121842963	0.007011027	0.013882424	RP24-554B1.10
ENSMUSG000000082082.1	61.20120146	-2.023232174	0.007017956	0.013895135	RP23-282N17.2
ENSMUSG00000005803.14	14.50655469	1.54919521	0.007030919	0.013918777	Sqrdl
ENSMUSG00000039349.5	172.3923568	0.545494604	0.007030802	0.013918777	AC131992.1
ENSMUSG00000054237.5	640.5465307	-0.418166521	0.007033312	0.013922503	Fra10ac1
ENSMUSG00000113417.1	3.434121435	5.1423435	0.00705206	0.0139586	RP23-12J8.2
ENSMUSG00000050552.8	960.9277217	0.940046276	0.00706072	0.013974727	Lamtor4
ENSMUSG00000116883.1	93.95608326	-0.794468979	0.007063645	0.0139795	RP23-151N21.11
ENSMUSG00000021945.9	4995.714099	-0.614711984	0.007076926	0.014004767	Zmym2
ENSMUSG000000038604.9	1028.771553	0.854699977	0.007084248	0.01401722	Fam65a
ENSMUSG00000094374.2	71.95417452	-0.844899502	0.007084003	0.01401722	RP23-131H10.1
ENSMUSG00000112294.1	7.998361938	2.454416038	0.007085355	0.014018392	RP24-328C19.1
ENSMUSG00000097591.1	5.346843252	4.774602918	0.007097983	0.014042357	A330032B11Rik
ENSMUSG000000082078.1	3.46032507	4.125607092	0.007110968	0.014067024	RP23-87I3.3
ENSMUSG00000113841.1	66.57032383	0.883614567	0.007113151	0.014070321	RP23-403O8.2
ENSMUSG00000014195.15	12752.86519	0.275724428	0.007120241	0.014083324	Dnajc7
ENSMUSG000000038244.13	90.38863205	-1.204028189	0.007142429	0.014126024	Mical2
ENSMUSG00000092054.3	7.077204618	-2.533416776	0.007142867	0.014126024	Kif4-ps

ENSMUSG00000027937.15	1084.16453	0.660060553	0.00715582	0.014150613	Jtb
ENSMUSG00000086384.1	3.269158784	-4.231960735	0.007165488	0.014168702	Banf2os
ENSMUSG00000022680.14	2666.075631	-0.661538672	0.007183172	0.014202639	Pdxdc1
ENSMUSG00000003847.16	2854.283684	-0.618209047	0.007187293	0.014209757	Nfat5
ENSMUSG000000023073.2	6.727087863	-2.744246624	0.007202393	0.014238576	Slc10a2
ENSMUSG00000104721.1	7.572438315	3.330025029	0.007210994	0.014254546	RP24-535M14.2
ENSMUSG000000031170.14	55.0624007	-0.784819608	0.007211859	0.014255222	Slc38a5
ENSMUSG000000092519.2	2.619980392	4.752363468	0.007217986	0.014266298	Actl9
ENSMUSG000000047749.2	1282.050886	0.710279041	0.007225118	0.014279358	Zc3hav1l
ENSMUSG00000047115.15	120.5750499	0.616789139	0.007230139	0.014288244	Fam221a
ENSMUSG000000087505.1	3.375597393	5.118798551	0.007241283	0.01430923	RP23-181L15.2
ENSMUSG000000028108.15	104.4757909	0.674300981	0.007248161	0.014321781	Ecm1
ENSMUSG00000043284.12	2134.356055	-0.53726129	0.007254968	0.014334192	Tmem11
ENSMUSG000000091227.1	49.5850478	0.917507688	0.007256566	0.014336309	RP23-303C8.1
ENSMUSG00000019794.13	1835.249195	-0.512022455	0.007260419	0.014342881	Katna1
ENSMUSG000000038900.17	7957.11299	-0.783442951	0.007273986	0.014367674	Rpl12
ENSMUSG000000065304.1	4.659674252	-3.19032848	0.007274024	0.014367674	Gm23245
ENSMUSG000000097858.2	11.25719009	2.438231236	0.007275079	0.014368717	RP23-438E13.2
ENSMUSG000000097576.2	5.673384196	3.29546224	0.007276868	0.014371209	RP23-206M14.2
ENSMUSG000000081528.1	16.66795972	1.738139452	0.007313238	0.014441988	RP23-327O13.2
ENSMUSG000000081614.1	43.66761844	-1.063617043	0.007320855	0.014455982	RP23-445C3.2
ENSMUSG000000030329.11	635.4050063	0.731636135	0.007340429	0.014493583	Piamp
ENSMUSG000000051674.15	2068.202798	0.521308455	0.007356609	0.014524477	Dcun1d4
ENSMUSG000000053768.13	2850.778932	-0.474016078	0.007372408	0.014554615	Chchd3
ENSMUSG000000025147.7	934.5552217	0.609405916	0.007390275	0.014588831	Mob2
ENSMUSG000000083257.1	21.05787706	-1.306752137	0.007398937	0.014604873	RP23-187C5.1
ENSMUSG000000092474.1	6.641997526	-2.843417297	0.007413903	0.014633353	RP23-108F2.2
ENSMUSG00000025060.14	2502.039536	-0.583862896	0.007430631	0.014665307	Slk
ENSMUSG000000028309.14	3278.740678	0.357758171	0.007432583	0.014667054	Rnf20
ENSMUSG000000052188.6	6.149682262	4.04795651	0.007432593	0.014667054	AC167245.5
ENSMUSG000000051435.11	9.865866914	2.207667028	0.007438569	0.014677785	Fhad1
ENSMUSG000000095217.1	27.58738683	1.075830801	0.007443037	0.014685536	Hist1h2bn
ENSMUSG000000062169.13	1726.253833	0.377453598	0.007445776	0.014689878	Cnih4
ENSMUSG000000032087.10	10.8731592	2.734944897	0.007452286	0.014701657	Dscaml1
ENSMUSG0000000085710.1	2.621005829	4.776409616	0.007453715	0.01470341	RP23-238I12.1
ENSMUSG000000027272.5	2380.194615	-0.78836863	0.007472624	0.014739645	Ubr1
ENSMUSG000000051469.14	2440.619422	-0.403589849	0.007476173	0.014745577	Zfp24
ENSMUSG000000068284.14	1060.885584	-0.995911564	0.007479165	0.014750409	Usf3
ENSMUSG000000092593.1	2.559128538	4.722630773	0.007485414	0.014758461	RP24-341K21.5
ENSMUSG00000100361.1	20.83948202	-1.341712281	0.007485125	0.014758461	RP23-304F24.2
ENSMUSG00000106956.1	116.1497253	-0.685470331	0.00748535	0.014758461	RP24-307I24.1
ENSMUSG00000110622.1	2.559128538	4.722630773	0.007485414	0.014758461	RP23-410L16.5
ENSMUSG00000083372.1	110.2305728	-0.595619843	0.007490634	0.014767683	RP23-58H16.1
ENSMUSG000000111291.1	209.207946	0.679984693	0.007493686	0.014772631	RP23-162P10.8
ENSMUSG00000031952.5	2.556800721	4.722255517	0.007494657	0.014773476	Chst5
ENSMUSG000000021555.15	3079.837373	0.293128968	0.00749724	0.014777499	Naa35
ENSMUSG00000104149.1	3.471563674	5.157293807	0.007506038	0.014793771	RP24-66C10.4
ENSMUSG000000091866.1	211.0635761	0.782554482	0.007510344	0.014801185	RP24-468F14.2
ENSMUSG000000025499.18	2592.538589	0.699750808	0.007511816	0.014802377	Hras
ENSMUSG00000105703.2	81.33852887	-1.641324339	0.007512035	0.014802377	RP24-378G4.3
ENSMUSG00000105762.1	3.065657061	4.97663587	0.007516737	0.014810571	RP23-385G21.1
ENSMUSG00000102919.1	5.07945037	-3.401030785	0.00752168	0.014819237	RP24-318B11.1
ENSMUSG000000078035.1	8.458180208	-3.140334828	0.007522283	0.014819355	Mir293
ENSMUSG00000046731.4	186.0461558	-0.732624775	0.007533468	0.014840317	Kctd11
ENSMUSG00000022000.11	2405.991598	-0.414293442	0.007536903	0.014844937	Zc3h13
ENSMUSG00000030402.5	33.12053324	-1.03940823	0.007536755	0.014844937	Ppm1n
ENSMUSG000000030760.14	760.8283105	-0.41753302	0.007553532	0.014876613	Acer3
ENSMUSG00000111312.1	4.431803357	4.518408738	0.007555176	0.014878776	RP24-175C20.19
ENSMUSG00000049848.7	2.263971915	-4.724930976	0.007558158	0.014882497	Ceacam19
ENSMUSG00000108441.1	2.263971915	-4.724930976	0.007558158	0.014882497	RP24-549B12.4
ENSMUSG00000029474.7	1574.691517	0.358446269	0.00756703	0.01489889	Rnf34
ENSMUSG00000083650.1	5.056383019	-3.376726471	0.007572159	0.014907911	RP23-280K4.1
ENSMUSG00000113385.1	7.266397909	-2.576856501	0.007573468	0.01490941	RP23-367G12.8
ENSMUSG000000021038.17	1500.156823	0.366614185	0.007582314	0.014925515	Vipas39
ENSMUSG00000034449.7	253.7825371	0.576917216	0.007582745	0.014925515	Dhrs11
ENSMUSG00000105808.1	57.50044518	1.549242982	0.007601641	0.01496163	RP23-37G13.2
ENSMUSG00000105509.1	62.95002516	0.995254552	0.007611737	0.014980418	RP23-327M1.1
ENSMUSG000000063882.12	6042.20001	0.946412576	0.007626404	0.015008198	Uqcrh
ENSMUSG00000016758.4	37.3922214	-1.664542729	0.00763957	0.015033022	Bik
ENSMUSG000000006056.13	3.954897858	-3.599751755	0.007640858	0.015033385	Calcoco2
ENSMUSG000000051346.9	649.8689853	-0.392775487	0.007640792	0.015033385	Spryd4
ENSMUSG00000108214.1	8.785755669	-2.027405869	0.007646015	0.015042445	RP23-434H14.8
ENSMUSG00000036873.13	880.8642668	0.384848603	0.007650092	0.01504938	AC123684.1
ENSMUSG00000027466.15	2311.001223	-0.296438287	0.007660433	0.015068432	Rbck1
ENSMUSG00000113318.1	2.470211436	4.679781105	0.007660883	0.015068432	RP23-392J15.1
ENSMUSG00000040086.13	2.472170795	-4.848845669	0.007664782	0.015075012	Tnni3k
ENSMUSG000000067848.12	3.424744445	5.138612339	0.007668175	0.015080597	RP24-341O14.2
ENSMUSG000000025262.8	390.8594892	1.412857553	0.007673357	0.015089699	Fam120c
ENSMUSG000000026124.4	2.728200916	-4.997596071	0.007676768	0.015095316	Cfc1
ENSMUSG000000063281.9	1361.688431	-0.340088122	0.007681538	0.015103606	Zfp35
ENSMUSG000000033538.13	4.035037958	4.348729075	0.00769933	0.015137497	Casp4
ENSMUSG00000112959.1	6.461046512	2.663086468	0.007703045	0.015143706	RP23-246E2.1
ENSMUSG00000087013.7	3.684172976	4.232966719	0.007714296	0.015164731	RP23-324M14.1

ENSMUSG00000010376.15	4950.008072	0.79543334	0.007720048	0.015174944	Nedd8
ENSMUSG00000038201.10	2.779945512	-5.021281462	0.007721131	0.015175978	Kcna7
ENSMUSG00000068452.7	12.68630553	-2.26181209	0.007724703	0.015181903	Duox2
ENSMUSG00000027854.12	1945.162988	0.499334724	0.007733667	0.015198425	Sike1
ENSMUSG00000054061.8	3.571349406	4.188730737	0.007736459	0.015202814	RP24-303J15.1
ENSMUSG00000106648.1	5.274454661	-2.988273052	0.007757598	0.015243255	RP24-309H3.1
ENSMUSG00000085470.1	6.228950869	2.608147664	0.007761251	0.015249332	RP24-534P19.2
ENSMUSG00000039157.12	364.9451559	0.574822364	0.007767401	0.015260315	Fam102a
ENSMUSG00000086455.1	2.580723054	4.746574362	0.00777983	0.015283633	RP23-172G14.2
ENSMUSG00000107884.1	10.74093159	-2.20532605	0.007787886	0.015298356	RP23-334M3.6
ENSMUSG00000054823.16	2263.937793	0.642125971	0.007788749	0.015298948	Nsd3
ENSMUSG00000073647.3	3116.837047	-1.122253988	0.007798181	0.01531637	Gm10557
ENSMUSG00000040505.13	2.721627738	4.822341531	0.007801068	0.015319831	Abcg5
ENSMUSG00000086129.1	2.721627738	4.822341531	0.007801068	0.015319831	RP23-467L21.2
ENSMUSG00000057003.12	5.242315251	3.829535896	0.007808204	0.015332739	Myh4
ENSMUSG00000001036.17	3616.830345	-0.615088591	0.007809019	0.015333234	Epn2
ENSMUSG00000104694.1	6.142532861	4.068890836	0.007822035	0.015357685	RP23-121M13.4
ENSMUSG00000112481.1	4.422702261	5.526335523	0.007833506	0.015379098	RP24-141K13.3
ENSMUSG00000040782.12	2045.367755	-0.315605356	0.007859384	0.015428792	Rfwd2
ENSMUSG00000089975.2	7.577451257	2.407577158	0.00787935	0.015466873	AC159298.2
ENSMUSG00000105850.1	2.54793645	4.729537565	0.007886997	0.015480767	RP23-28F1.3
ENSMUSG00000032018.14	3204.916959	0.329189565	0.007907949	0.015519657	Sc5d
ENSMUSG00000034471.12	671.2856173	-0.809046501	0.007907564	0.015519657	Caskin2
ENSMUSG00000069495.12	1862.90355	0.472997	0.007914192	0.015530789	Epc2
ENSMUSG00000063564.13	70.3788998	0.793702365	0.007923706	0.015548339	Col23a1
ENSMUSG00000073371.3	1247.610944	-0.396428338	0.007934601	0.015568596	Gm6594
ENSMUSG00000029014.14	5755.911728	-0.602924652	0.007945662	0.015589178	Dnajc2
ENSMUSG00000109882.1	2.409359583	4.64921725	0.007946739	0.015590166	RP24-274F20.4
ENSMUSG00000041644.14	3.165274112	-4.157718706	0.007947862	0.015591247	Slc5a12
ENSMUSG00000042514.11	141.2921776	0.95404299	0.007951158	0.015596591	Klh14
ENSMUSG00000092253.1	4.288591479	-5.644256093	0.007954282	0.015601595	H2-Q3
ENSMUSG0000009108.15	57.35352965	-0.804571524	0.007958492	0.015608728	Gnat2
ENSMUSG00000022144.4	95.30716181	-0.843052965	0.007965189	0.015619614	Gdnf
ENSMUSG00000116478.1	8.051998423	2.240103136	0.007964969	0.015619614	RP23-32P19.6
ENSMUSG0000005198.15	9959.753153	-0.93571566	0.007978822	0.015645222	Polr2a
ENSMUSG00000068522.4	2.397654776	4.643132515	0.007982816	0.015651927	Aard
ENSMUSG00000112987.1	3.841503823	4.295128417	0.007983999	0.015653121	RP23-6A9.1
ENSMUSG00000112026.1	6.985407776	-2.516632491	0.007991532	0.015666762	RP23-318O7.2
ENSMUSG00000016552.13	525.9350309	-0.883840949	0.007994204	0.015670873	Foxred2
ENSMUSG00000089746.1	2.289061081	-4.738261879	0.008000962	0.015682992	AC113945.3
ENSMUSG00000087601.3	4.893630294	3.73767239	0.008004026	0.015687868	Uchl1os
ENSMUSG0000004771.13	1403.796359	0.695412576	0.008007014	0.015692595	Pdcd2
ENSMUSG00000094752.1	2.510494211	4.711572994	0.00801488	0.015706882	Vmn2r-ps129
ENSMUSG00000102970.1	27.16405906	1.477518956	0.008017727	0.015711332	RP24-566B6.2
ENSMUSG00000065145.1	2.519358482	4.704174886	0.008027254	0.015727737	Vaultrc5
ENSMUSG00000115141.1	2.519358482	4.704174886	0.008027254	0.015727737	RP23-79O10.7
ENSMUSG00000050777.7	134.5447357	1.011610409	0.008031491	0.015734907	Tmem37
ENSMUSG00000095408.1	16.57147278	-1.751093745	0.008040228	0.015750892	RP23-291C10.4
ENSMUSG00000113949.1	10.82228897	-2.396880783	0.00806519	0.015798656	Scamp3
ENSMUSG00000114839.1	3.289939117	-4.221387232	0.008070146	0.015807227	RP24-195M2.2
ENSMUSG00000031295.13	1080.182036	-0.557738226	0.008078694	0.015822832	Phka2
ENSMUSG00000083713.1	3128.08998	-0.697744474	0.008080865	0.015825947	RP23-267E11.3
ENSMUSG000000060981.7	37.92412915	1.300481326	0.008081801	0.015826643	Hist1h4h
ENSMUSG00000048921.11	371.8593286	0.547292643	0.008086885	0.01583546	Zfp689
ENSMUSG00000042492.12	1945.974547	0.404190013	0.008088293	0.015837079	Tbc1d10b
ENSMUSG00000051285.17	1843.63096	-0.433454172	0.008108154	0.015874825	Pcmt1
ENSMUSG00000053870.7	467.4831033	-0.49431798	0.008133411	0.015923132	Pgpt
ENSMUSG00000024276.7	1672.855758	0.63610946	0.008141076	0.015936993	Zfp397
ENSMUSG00000011486.14	2.733845264	4.837819929	0.008157365	0.015967734	Slc25a41
ENSMUSG00000051977.15	190.2904935	-0.878278494	0.008175027	0.016001156	Prdm9
ENSMUSG00000085793.2	389.5484157	0.40623413	0.008181517	0.016012707	Lin52
ENSMUSG00000034173.13	4091.289642	0.735507465	0.008189982	0.016028124	Zbed5
ENSMUSG00000116657.1	37.11761715	1.309186899	0.008192732	0.016032355	RP23-189L19.10
ENSMUSG00000094954.1	65.26434826	0.824840061	0.00820734	0.016059787	RP24-230H12.2
ENSMUSG00000099689.6	836.3961225	0.549163609	0.008216972	0.016077479	Zfp383
ENSMUSG00000036854.14	43.28468903	0.933537042	0.008217685	0.016077721	Hspb6
ENSMUSG00000036323.14	6066.760584	-0.27715226	0.008220507	0.016082086	Srp72
ENSMUSG00000095027.1	2.503960073	-4.864980895	0.008227542	0.016092382	Gm24017
ENSMUSG00000095380.1	2.503960073	-4.864980895	0.008227542	0.016092382	Gm23952
ENSMUSG00000112719.1	6.8199925	2.790618089	0.00822741	0.016092382	RP23-317B21.3
ENSMUSG00000042312.9	49.92075078	1.47321032	0.008228268	0.016092646	S100a13
ENSMUSG00000030088.15	75.41165618	-0.84005173	0.008229921	0.016094724	Aldh1l1
ENSMUSG00000074199.7	3.588622443	-4.373576989	0.008232221	0.016097951	Krt1ap
ENSMUSG00000111459.1	83.90854542	-0.847219086	0.008232753	0.016097951	RP23-308G10.3
ENSMUSG00000030711.15	3.841519688	4.298961806	0.008249512	0.016129563	Sult1a1
ENSMUSG00000097626.5	22.37197071	1.311668288	0.008258441	0.016145864	RP23-350E1.1
ENSMUSG00000101878.1	11565.44571	-0.71887164	0.00826387	0.016155318	RP23-374K9.2
ENSMUSG00000042642.13	668.9071982	0.404522368	0.008264619	0.016155623	Flad1
ENSMUSG00000027247.16	2282.818871	0.50356628	0.008267256	0.016159618	Arhgap1
ENSMUSG00000056216.9	1759.404571	0.43048799	0.008269519	0.016162881	Cebpg
ENSMUSG00000042570.14	1270.865612	-0.591451603	0.008273184	0.016168885	Mier2
ENSMUSG00000014198.15	9.821094781	-2.326779699	0.008289932	0.016200454	Zfp385c
ENSMUSG00000100078.1	39499.60879	-0.504678246	0.008293471	0.016206207	RP23-307G23.3

ENSMUSG00000075706.10	4497.03561	0.992550992	0.008294151	0.016206373	Gpx4
ENSMUSG00000018339.11	56.28238253	0.841697012	0.008313018	0.016242074	Gpx3
ENSMUSG000000082473.1	14.81403109	-1.939579145	0.00831599	0.016246716	Kif22-ps
ENSMUSG000000046574.8	2531.862255	-1.047993827	0.00832097	0.016255279	Prr12
ENSMUSG000000104093.1	3.599250997	4.190421508	0.008323548	0.016258353	RP23-243H19.1
ENSMUSG000000106273.1	66.50745312	-0.759038787	0.008323737	0.016258353	RP24-240P8.1
ENSMUSG000000082743.1	1964.404623	0.533753661	0.008325237	0.016260117	RP23-110F21.5
ENSMUSG00000097338.1	2.347995011	4.60278995	0.008332541	0.016273215	Gm2464
ENSMUSG000000046352.7	146.4267976	0.710366338	0.008337821	0.01628236	Gjb2
ENSMUSG00000097876.1	7.619097744	2.989544669	0.008339405	0.016284286	RP23-258F15.5
ENSMUSG000000101481.1	2.669127438	4.777066181	0.008344719	0.016293494	RP23-356A24.1
ENSMUSG000000028262.8	3462.241088	0.867134874	0.008346947	0.016296677	RP24-202L5.2
ENSMUSG000000081456.1	423.8579382	-0.694197287	0.008351511	0.016304418	RP23-149H3.3
ENSMUSG000000022706.16	1493.516821	-0.533322414	0.008353054	0.016306262	Mrpl40
ENSMUSG000000032377.8	20.75749886	-1.229220774	0.008364596	0.016327625	Plscr4
ENSMUSG000000098121.1	2.635038453	4.782009854	0.008372871	0.016342606	RP24-465N15.2
ENSMUSG00000000125.5	158.2286015	0.546521661	0.008373963	0.016343566	Wnt3
ENSMUSG000000082247.1	143.9251464	-0.942410363	0.008392645	0.016378855	RP23-221F6.1
ENSMUSG000000032323.13	16.04166789	-1.645269637	0.008395555	0.016383361	Cyp11a1
ENSMUSG000000027298.17	1964.404623	-0.397324184	0.008396715	0.01638445	Tyro3
ENSMUSG00000095186.1	8.847528372	2.851091954	0.008413278	0.016415594	Gm10718
ENSMUSG000000022300.10	3363.254501	-0.53124923	0.008422527	0.016431286	Dcaf13
ENSMUSG000000084289.1	1451.989644	0.604675073	0.008422321	0.016431286	RP23-203J4.1
ENSMUSG000000054675.5	62.45759707	-1.075569154	0.008431528	0.016447667	Tmem119
ENSMUSG000000070443.6	51.61795876	-1.356659635	0.008432277	0.016447951	RP24-247N18.3
ENSMUSG000000006304.14	12705.75692	-0.492294654	0.008436024	0.016454083	Arpc2
ENSMUSG000000082088.1	11.55662843	1.663222564	0.008436707	0.016454237	AC124730.5
ENSMUSG000000084021.1	47.83232001	-0.991038994	0.008438149	0.016455871	AC087801.1
ENSMUSG000000111734.1	5.796767455	3.294564232	0.008438847	0.016456053	RP23-63L7.3
ENSMUSG000000083708.1	351.2519825	-0.709300036	0.008445649	0.016468139	RP23-468M24.4
ENSMUSG000000107706.1	2.914585725	4.927697993	0.008446962	0.01646952	RP23-62G15.1
ENSMUSG00000025971.6	1143.177918	0.463656055	0.008460022	0.016493804	Maip1
ENSMUSG000000091378.1	2.385949968	4.636864612	0.008486268	0.01654379	RP23-117110.1
ENSMUSG000000108618.1	2.257271802	-4.721295873	0.008495688	0.016559784	RP23-74K24.4
ENSMUSG000000116295.1	2.257271802	-4.721295873	0.008495688	0.016559784	RP23-353O17.1
ENSMUSG000000082765.3	82.22109442	-0.806158322	0.008520929	0.016607796	RP23-360A2.5
ENSMUSG000000038733.13	7459.830406	-0.497786842	0.00853208	0.01662834	Wdr26
ENSMUSG000000103032.1	9.359295495	1.977335341	0.008534052	0.016630993	RP23-149A5.4
ENSMUSG000000022821.13	8.21507711	2.060125751	0.00854153	0.016644375	Hgd
ENSMUSG000000113716.1	2.24558286	-4.715085989	0.008547361	0.016654546	RP23-245G19.1
ENSMUSG000000048280.18	478.0284865	-0.91315015	0.008626955	0.016808432	Zfp738
ENSMUSG000000028246.13	503.35225109	1.451485711	0.0086314	0.016815891	Faxc
ENSMUSG000000105540.1	6.52785122	-2.638672785	0.008646436	0.01684398	RP24-79O7.3
ENSMUSG000000024640.9	14702.88207	-0.309206006	0.008651861	0.016853344	Psat1
ENSMUSG000000031731.16	4994.464516	-0.652096729	0.008654905	0.016858067	Ap1g1
ENSMUSG000000029253.12	1557.076977	-0.652556764	0.00865935	0.016865518	Cenpc1
ENSMUSG000000024661.6	13434.05371	0.677120163	0.00866142	0.016868344	Fth1
ENSMUSG000000032392.11	164.0770738	-0.712354356	0.008672699	0.016889104	Parp16
ENSMUSG000000040648.14	5025.547054	-0.664999969	0.008677217	0.016896317	Ppip5k2
ENSMUSG000000087138.1	237.804085	0.494891154	0.008677644	0.016896317	AC155806.4
ENSMUSG000000106054.1	2.359699818	4.609173504	0.008681567	0.016902747	RP23-282L6.2
ENSMUSG000000032320.7	6860.899471	0.297336596	0.008683977	0.016906232	Rcn2
ENSMUSG000000116779.1	7.467195279	3.298403781	0.008692881	0.016922356	RP23-174D11.7
ENSMUSG000000091020.3	285.3260478	-0.893582591	0.008698374	0.016931841	RP23-470P10.2
ENSMUSG000000026663.6	1287.389937	-0.755232452	0.008700467	0.016934705	Atf6
ENSMUSG000000040297.12	3181.912495	-0.633619376	0.008711448	0.016954867	Suco
ENSMUSG000000042064.13	5.649640339	3.939928872	0.00871767	0.016965765	Myo3b
ENSMUSG000000083449.1	529.0178565	-0.842988641	0.008724429	0.016977706	RP23-244J24.2
ENSMUSG000000054727.2	9.045909708	-2.978319653	0.008726853	0.016981209	RP23-451C8.3
ENSMUSG000000087132.7	9.133569028	1.912446666	0.008730521	0.016986692	AC124347.2
ENSMUSG000000089308.1	2.393625748	-4.809046101	0.008730918	0.016986692	Gm24837
ENSMUSG000000086368.2	27.77420964	1.29199868	0.00873227	0.016988109	RP23-411I1.9
ENSMUSG000000080582.1	2.519871201	4.716745776	0.008736643	0.01699419	Gm24907
ENSMUSG000000087579.7	2.519871201	4.716745776	0.008736643	0.01699419	AC113514.2
ENSMUSG000000040007.8	1074.332887	0.627425101	0.008749933	0.017016693	Bahd1
ENSMUSG000000042279.13	2.90367058	4.89756037	0.008750086	0.017016693	H1foo
ENSMUSG000000094025.7	2.90367058	4.89756037	0.008750086	0.017016693	RP23-92D22.1
ENSMUSG000000112454.1	15.95288882	1.628794036	0.008764853	0.017044195	RP23-478I20.1
ENSMUSG000000038607.12	14.85403179	1.98534984	0.008775744	0.017064156	Gng10
ENSMUSG000000030228.18	3.286617916	4.044463861	0.008789374	0.01708944	Pik3c2g
ENSMUSG000000063480.8	7128.415845	-0.53319717	0.008798151	0.017105284	Snu13
ENSMUSG000000035370.9	63.59968428	-1.130719678	0.008812511	0.017131979	RP24-327D15.11
ENSMUSG000000085035.1	2.310552772	4.583554993	0.008859659	0.017222409	RP23-19L22.3
ENSMUSG000000022890.13	3567.086454	0.565863652	0.008868165	0.017237713	Atp5j
ENSMUSG00000005193.8	1737.039941	0.485213636	0.008873453	0.017246761	Slc44a2
ENSMUSG000000078162.6	9.915264644	-1.931681519	0.008877437	0.017253274	RP24-445M20.1
ENSMUSG000000040138.7	30.74661166	0.993660359	0.008883417	0.017263665	Ndp
ENSMUSG000000039236.18	5.246065931	2.7095795	0.008892809	0.017280684	lsg20
ENSMUSG000000012481.5	2.298847965	4.577193137	0.008901285	0.017295921	RP24-283J17.1
ENSMUSG000000087135.7	9.155724239	2.447574387	0.008906569	0.017304953	RP24-374N16.5
ENSMUSG000000094163.1	3.285010997	-5.256309748	0.008907291	0.017305121	Tdpoz5
ENSMUSG000000029009.17	2816.417496	-0.773644052	0.008911506	0.017312076	Mthfr
ENSMUSG000000090840.2	9.194169243	-2.124929211	0.008922402	0.017332008	RP23-62O7.5

ENSMUSG00000045064.4	52.2610659	0.807537457	0.00893371	0.017352132	Zc2hc1c
ENSMUSG00000076433.4	22.48787762	-1.235003791	0.008934036	0.017352132	Cep295nl
ENSMUSG00000036687.13	3.435084491	4.124702781	0.008958241	0.017397905	Tmem184a
ENSMUSG00000015085.8	3.938220087	-3.596730012	0.008963433	0.017406747	Entpd2
ENSMUSG000000097242.1	15.36285094	1.594953104	0.008965445	0.017409412	Gm16907
ENSMUSG00000022235.15	4.220900257	3.481473789	0.008976362	0.017429369	Cmb1
ENSMUSG00000021598.9	2345.345511	0.62675793	0.008978596	0.017432464	Med10
ENSMUSG00000082066.1	703.1880831	-0.414532368	0.008983705	0.01744114	RP23-359M23.2
ENSMUSG00000022265.7	1150.825858	0.585638199	0.008988351	0.017448917	Ank
ENSMUSG00000116957.1	9.025513989	2.911226775	0.009023714	0.017516318	RP24-363G9.3
ENSMUSG00000090958.2	7.110335204	2.813881289	0.00902971	0.017526708	Lrrc32
ENSMUSG00000026641.13	3203.144818	0.576912871	0.009033314	0.017531206	Usf1
ENSMUSG00000108915.1	9.61408045	-3.022807672	0.009033284	0.017531206	RP24-263G24.4
ENSMUSG00000086596.2	30.44030636	-1.168668601	0.009036161	0.017535482	Susd5
ENSMUSG00000104271.1	4.405621738	-3.150858439	0.009041258	0.017544123	RP23-303M15.4
ENSMUSG00000048602.8	6.890781626	2.788602457	0.00904733	0.017554656	Morc2b
ENSMUSG00000043873.11	3.341298241	4.085488348	0.009053018	0.017564441	Chil5
ENSMUSG00000033063.8	27.32381649	1.408136107	0.009055825	0.017568635	Cntnap3
ENSMUSG00000063455.16	1624.259085	0.96771413	0.00905755	0.017570731	AC157667.1
ENSMUSG00000107090.1	3.65845141	4.227588048	0.009061182	0.017576525	RP23-85H24.2
ENSMUSG00000111945.1	3.349347249	5.103824312	0.009065309	0.017583279	RP23-459B19.1
ENSMUSG00000050229.3	2340.490758	-0.481675967	0.009068712	0.017587374	Pigm
ENSMUSG00000108331.1	33.95520104	-1.131172961	0.009068466	0.017587374	RP24-138O17.5
ENSMUSG00000098080.1	4.800943862	-2.762592937	0.009072474	0.017593417	RP24-347J6.1
ENSMUSG00000104788.1	35.26184585	1.161503283	0.00907398	0.017595085	RP23-117I19.3
ENSMUSG00000106813.1	50.13584743	-0.767467413	0.009074765	0.017595356	RP23-146B9.1
ENSMUSG000000826259.14	191.3089792	0.763692445	0.009079983	0.017604221	Ngef
ENSMUSG00000115354.1	45.47135443	0.84281328	0.009104364	0.017650234	RP23-78F6.12
ENSMUSG00000106149.1	15.74350396	3.034303687	0.00911158	0.017662966	RP23-167C5.1
ENSMUSG00000081325.1	794.7405505	-0.532603661	0.009119709	0.017677466	RP23-311O20.1
ENSMUSG000000083928.1	83.9740241	-0.736101579	0.009128124	0.01769252	RP23-330A15.1
ENSMUSG00000103928.1	137.2043101	-0.574574623	0.009138843	0.017712034	RP24-167M10.4
ENSMUSG00000033624.10	1235.469741	-1.434702936	0.009146847	0.017726286	Pdpr
ENSMUSG000000049493.13	228.6729036	0.62005495	0.009154734	0.017740309	Pls1
ENSMUSG00000114184.1	2468.431074	-0.675983681	0.0091562	0.017741888	RP23-449L24.3
ENSMUSG00000096795.4	338.1365533	-0.717087178	0.009172883	0.01777295	Zfp433
ENSMUSG00000086917.1	4.542016818	3.571656813	0.009183659	0.017792564	RP23-386E10.10
ENSMUSG00000103804.1	11.32553827	-2.338980753	0.009189591	0.017802592	RP23-195A24.4
ENSMUSG00000107812.1	7.750298891	2.409843283	0.009190142	0.017802592	RP23-103G18.7
ENSMUSG00000104687.1	2.650291678	-4.949560065	0.009191555	0.017804063	RP23-372C7.4
ENSMUSG0000005202.2	3.244069617	-4.22285563	0.00921523	0.017848652	Shbg
ENSMUSG000000081911.1	418.4725532	-0.559238537	0.009228547	0.017873175	Mrps36-ps2
ENSMUSG00000037262.7	1102.304844	0.445481274	0.009254308	0.017921108	Kin
ENSMUSG00000115691.1	43.02429085	-0.847507844	0.009254612	0.017921108	RP24-84D8.6
ENSMUSG00000030060.14	826.9260147	-0.490516567	0.009255716	0.017921971	Hmces
ENSMUSG000000081056.1	41.79343227	-0.903286151	0.00925677	0.017922738	RP23-348L16.1
ENSMUSG00000093392.1	21341.04324	-0.679857455	0.009261941	0.017931476	RP23-71G16.1
ENSMUSG00000011751.16	427.4244727	0.911332303	0.00926838	0.017942668	Sptbn4
ENSMUSG000000082551.1	54.30856422	-1.030847467	0.009272755	0.01794986	RP23-235P16.2
ENSMUSG00000067873.11	3503.100746	0.304937702	0.009276084	0.017955029	Htatsf1
ENSMUSG00000105244.1	5.970203125	-2.79770519	0.009280569	0.017962435	RP24-326F21.2
ENSMUSG00000112163.1	289.9590513	-1.142517665	0.009298074	0.017995036	RP24-456P10.2
ENSMUSG000000022474.15	2477.219228	-0.641106541	0.009300951	0.017999326	Pmm1
ENSMUSG00000090772.1	2.592427861	4.752163422	0.009309274	0.018012873	RP24-553G19.6
ENSMUSG00000110380.1	2.592427861	4.752163422	0.009309274	0.018012873	RP24-491F15.1
ENSMUSG00000114209.1	2.432769197	4.661118324	0.009310903	0.018014745	RP23-79L13.4
ENSMUSG000000001420.13	62.16505919	-0.879769538	0.009319305	0.018027743	Tmem79
ENSMUSG00000090544.3	2092.833353	-0.667252448	0.009319606	0.018027743	RP24-276M6.1
ENSMUSG00000111604.1	2.988444766	4.944516925	0.009318684	0.018027743	RP23-463P4.1
ENSMUSG00000004610.4	632.462084	1.072385619	0.009327574	0.018041875	Etfb
ENSMUSG00000031545.6	5579.716569	0.289209472	0.009328779	0.018042924	Gpat4
ENSMUSG00000035900.18	956.1286827	0.645541647	0.009331381	0.018046677	Gramd4
ENSMUSG00000029062.14	4363.579584	-0.382734087	0.009335195	0.018052771	Cdk11b
ENSMUSG00000020946.13	3499.914858	0.320982354	0.009341448	0.018063581	Gosr2
ENSMUSG00000113412.1	303.9103032	-0.716723339	0.009354939	0.018088384	RP24-64M1.1
ENSMUSG00000029094.12	1482.367607	0.893233384	0.009360284	0.018097435	Afap1
ENSMUSG00000103793.1	12.13185219	2.148842048	0.009366521	0.018108209	Pcdhga6
ENSMUSG00000105270.1	8.673527688	-2.471294282	0.009372762	0.018118988	RP24-127J3.1
ENSMUSG00000027684.16	128.4030098	0.575641439	0.00939931	0.018167731	Mecom
ENSMUSG00000063108.15	1873.185316	-0.743844267	0.009398921	0.018167731	Zfp26
ENSMUSG000000000001.4	7849.259658	-0.432496931	0.009401827	0.018171307	Gnai3
ENSMUSG00000028973.18	1799.239339	0.316095017	0.009407657	0.018181286	Abcb8
ENSMUSG00000056293.12	4.386039969	-3.623153993	0.009411075	0.018186599	Gsdmc2
ENSMUSG00000045034.12	104.0658364	0.775051372	0.009415959	0.018194749	Ankrd34b
ENSMUSG000000039713.16	372.2491056	-0.693997122	0.009417279	0.018196008	Plekhh5
ENSMUSG00000095905.2	116.9851869	0.657141939	0.009422898	0.018205573	RP24-231B8.2
ENSMUSG00000021846.9	858.3180539	0.599670294	0.009431013	0.018219961	Peli2
ENSMUSG00000114167.1	20.2939557	-1.2134168	0.009489133	0.018330944	RP23-407E9.1
ENSMUSG000000021278.7	39.5971632	-0.980743877	0.009503806	0.018357986	Amn
ENSMUSG0000016833.14	1204.320201	0.865662387	0.009523505	0.018394733	Mrps18c
ENSMUSG00000035910.15	52.13449947	-0.914801627	0.009527025	0.018398924	Dcdc2a
ENSMUSG00000083353.1	2.547423731	4.717429847	0.009526895	0.018398924	RP23-137F6.3
ENSMUSG00000029454.15	40.67716723	-1.143686646	0.009530579	0.018404482	Mapkapk5

ENSMUSG00000100084.2	20.60606014	1.236141598	0.009534364	0.018410486	RP23-32P19.3
ENSMUSG00000030007.8	26620.89356	-0.475004822	0.009544537	0.018428823	Cct7
ENSMUSG00000006782.16	116.5846451	-0.633559346	0.009550116	0.018438289	Cnp
ENSMUSG000000044948.16	710.6199593	0.545442183	0.009554351	0.018445158	Cfap43
ENSMUSG000000020823.16	2870.954444	0.464862453	0.009576585	0.018486773	Sec1411
ENSMUSG00000015776.12	2866.197194	0.417653983	0.009580451	0.018492925	Med22
ENSMUSG00000029064.15	21227.24983	0.367156449	0.009584789	0.018499351	Gnb1
ENSMUSG00000107814.1	4.158092043	-3.70285056	0.009585138	0.018499351	RP23-157O3.6
ENSMUSG00000025766.14	347.2703101	-0.62025794	0.009590669	0.018507402	D3Erd751e
ENSMUSG00000081108.4	2.668680733	-4.958475207	0.009590467	0.018507402	RP23-149P4.8
ENSMUSG00000034639.7	310.6196107	0.410670945	0.009598937	0.018522045	Setmar
ENSMUSG00000042707.6	5.402914709	3.193445407	0.009606667	0.018535648	Dnali1
ENSMUSG00000027763.13	754.3075871	-0.549429936	0.009608226	0.018537343	Mbn1
ENSMUSG00000028008.10	2.568505528	4.728998516	0.009616474	0.01854949	Asic5
ENSMUSG00000031312.5	54.88885789	0.899916304	0.009616565	0.01854949	Itgb1bp2
ENSMUSG000000105698.1	3.35970316	4.089824559	0.009615596	0.01854949	RP24-499N1.2
ENSMUSG00000086442.1	21.12298773	2.558329822	0.009620514	0.018555794	RP23-478H15.5
ENSMUSG00000024592.15	228.0945669	0.564849206	0.009624787	0.018562723	AC109152.2
ENSMUSG00000016493.13	109.3856792	0.7565759	0.009632008	0.018575334	Cd46
ENSMUSG00000031591.14	2796.92692	-0.414086683	0.009633973	0.018576493	Asah1
ENSMUSG00000049411.14	164.8749266	0.647232338	0.009633496	0.018576493	Tmem241
ENSMUSG000000098154.2	14.28877979	-1.43179939	0.009647593	0.018601438	RP23-169M5.1
ENSMUSG00000100768.1	4.169425393	3.467232731	0.00967083	0.018644922	RP24-529L13.2
ENSMUSG00000059058.7	1341.788779	0.811209374	0.009675799	0.018652378	Tma7-ps
ENSMUSG00000085548.1	2.265683198	-4.725919821	0.009676751	0.018652378	RP23-13O17.3
ENSMUSG000000098698.1	2.265683198	-4.725919821	0.009676751	0.018652378	Mir6960
ENSMUSG00000081814.1	48.67879411	0.849403039	0.009695274	0.018686759	RP23-198H15.3
ENSMUSG0000002808.7	223.394204	-0.497990128	0.009696238	0.018687296	Epdr1
ENSMUSG00000058567.6	379.0116955	-0.650319301	0.009711727	0.018715823	Gm2531
ENSMUSG00000005103.18	2.895319027	4.909827054	0.009713151	0.018717242	Agmo
ENSMUSG00000113519.1	23.05079052	-1.50366209	0.009716496	0.018722364	RP23-201H14.3
ENSMUSG00000073002.9	8.199140635	2.512276112	0.00972134	0.018730373	Vamp5
ENSMUSG00000080914.1	16.71229723	-1.348781216	0.009750073	0.018784405	RP23-165J1.1
ENSMUSG00000080932.3	5831.295624	-0.682251735	0.009760766	0.018803676	RP23-180N22.1
ENSMUSG00000040843.10	2468.907795	0.312671896	0.00976167	0.018804089	Tiplr
ENSMUSG00000097072.7	8.415473967	2.3156799	0.009783058	0.018843955	Foxl2os
ENSMUSG00000048126.16	28.40060487	-1.242006572	0.009785742	0.018847793	Col6a3
ENSMUSG000000050799.3	20.22173061	1.453121484	0.009786437	0.018847799	Hist1h2ba
ENSMUSG00000062785.14	523.1439923	-0.882804617	0.009805431	0.01888171	Kcnc3
ENSMUSG00000097148.2	18.56850815	-1.262914447	0.009804822	0.01888171	RP23-255D19.1
ENSMUSG00000092375.1	2.766631868	4.852940917	0.009806893	0.018883191	RP23-385C21.2
ENSMUSG00000039097.5	75.61604811	1.030590926	0.009812827	0.018893281	Rln1
ENSMUSG00000109108.1	27.70067967	1.358236536	0.009819222	0.018904258	RP23-103E11.5
ENSMUSG00000027297.14	49.9018771	0.849856548	0.00982792	0.018919666	Ltk
ENSMUSG00000113050.1	10.32813779	1.948211489	0.009834725	0.01893143	RP24-496K8.1
ENSMUSG000000021546.18	24836.72426	-0.352790862	0.009855664	0.018970394	Hnmpk
ENSMUSG00000056592.14	356.4645129	0.559108958	0.009895883	0.019046464	Zfp658
ENSMUSG00000067724.5	25.87763633	2.270254784	0.009899475	0.019052032	Gbx1
ENSMUSG000000083228.1	9.397020529	-1.985834436	0.009908689	0.019068416	RP23-22H5.1
ENSMUSG00000030522.14	394.4413	-0.5641518	0.009915122	0.019079448	Mttr10
ENSMUSG00000028874.14	16.18611269	-1.402905672	0.00992629	0.019099589	Fgr
ENSMUSG00000030562.17	70.03966539	-0.712451441	0.00992724	0.019100069	Nox4
ENSMUSG000000084989.3	15.36949173	-2.089764467	0.009928236	0.019100636	Crocc2
ENSMUSG00000027533.10	11878.28662	-0.67281891	0.009931135	0.019104864	Fabp5
ENSMUSG00000113852.1	18.5292265	1.355476027	0.00994443	0.019129089	RP24-68E20.11
ENSMUSG00000020399.14	2.498276685	4.692876304	0.009951448	0.019141238	Havcr2
ENSMUSG00000044320.14	24.27472646	-1.137700855	0.009961575	0.019158011	RP23-221O14.1
ENSMUSG00000114353.1	9.585511028	-1.838275729	0.00996101	0.019158011	RP23-283J16.4
ENSMUSG00000026082.11	1644.840545	-0.534651593	0.009969385	0.019170325	Rev1
ENSMUSG00000114256.1	5.59665397	2.840162524	0.009968684	0.019170325	RP24-159E6.1
ENSMUSG00000103803.1	12.54275533	1.78423065	0.009977039	0.019183688	RP23-322G4.2
ENSMUSG00000009575.14	14261.15353	-0.644859323	0.009988933	0.019205202	Cbx5
ENSMUSG00000114753.1	10.71176812	-1.799516727	0.009998574	0.019222381	RP23-71A1.6
ENSMUSG00000005371.14	3130.674922	0.645321411	0.010003084	0.019229695	Fbxo11
ENSMUSG00000035983.4	33.59827733	1.110439496	0.010018791	0.019258532	RP23-111F7.1
ENSMUSG00000000385.8	6.452775744	3.528045834	0.010056953	0.019330525	Tmprss2
ENSMUSG00000048534.7	6.657679052	-3.040923995	0.010066819	0.019348123	Amica1
ENSMUSG000000098044.1	5.44751355	-2.65544572	0.010077018	0.019366358	RP24-542I6.1
ENSMUSG00000081100.1	25.38739572	1.617590293	0.010084334	0.019379051	RP23-335L22.1
ENSMUSG00000028838.11	133.3099507	0.587543479	0.010086472	0.019381792	Extl1
ENSMUSG000000096201.1	3.905473155	4.292251319	0.010096273	0.019399257	Gm10715
ENSMUSG00000111504.1	18.60401417	2.166531249	0.010097036	0.019399355	RP23-138K22.4
ENSMUSG00000073878.3	4.297755267	-3.71395589	0.010114688	0.019430528	RP23-388P16.7
ENSMUSG000000094065.1	4.297755267	-3.71395589	0.010114688	0.019430528	Ccl21b
ENSMUSG00000107624.1	2.324585397	4.59032824	0.010130469	0.0194581	RP23-170C11.3
ENSMUSG00000110841.1	5131.434626	0.982996366	0.010129976	0.0194581	RP23-269H21.1
ENSMUSG00000033751.5	1131.039267	-0.567994869	0.01014316	0.019479729	Gadd45gip1
ENSMUSG000000064339.1	26119.44412	0.69977145	0.010143087	0.019479729	mt-Rnr2
ENSMUSG00000110331.1	7478.561383	-0.617384952	0.010154155	0.01949947	RP23-457I3.2
ENSMUSG00000110124.1	252.205676	0.596792715	0.010156941	0.019502974	RP23-74O12.7
ENSMUSG000000114805.1	6.200388767	2.60509355	0.010157411	0.019502974	RP23-53N20.4
ENSMUSG00000079067.5	5974.598255	-0.416550987	0.010172688	0.019529055	Hmgn2-ps1
ENSMUSG00000098235.1	16.27964524	-1.507652826	0.010173145	0.019529055	RP23-426G16.1

ENSMUSG00000115961.1	23.24803294	1.745190591	0.01017264	0.019529055	RP24-334F11.4
ENSMUSG00000074071.11	9.249056608	-2.571816971	0.010179818	0.019540488	Fam169b
ENSMUSG00000028078.14	2581.849731	0.820175482	0.010188359	0.019555505	DclK2
ENSMUSG00000002010.17	3127.92412	0.332314033	0.010192318	0.019560347	ldh3g
ENSMUSG000000075267.9	11.90409189	2.183042689	0.010192088	0.019560349	Dfnb59
ENSMUSG00000038949.8	906.1644003	0.659931584	0.010198086	0.019570037	Cnst
ENSMUSG000000047180.8	5.658735038	3.291362592	0.010214115	0.019599418	Neur13
ENSMUSG000000080876.3	2.233893919	-4.708607879	0.01022162	0.019612437	RP24-281J6.3
ENSMUSG000000112640.1	304.7822008	-0.67346325	0.010230284	0.019627677	RP24-219P17.7
ENSMUSG00000090753.1	118.1698667	-1.030600056	0.010240089	0.019645106	Rpl31-ps4
ENSMUSG00000016458.14	32.36614243	-1.271765248	0.010242083	0.019646343	Wt1
ENSMUSG000000034278.3	528.2454574	0.618182212	0.010242176	0.019646343	Dnajc17
ENSMUSG00000096473.1	60.29525788	-0.806274651	0.010253052	0.019665821	Gm24463
ENSMUSG00000102014.1	16.08321186	1.761508404	0.010263769	0.019684989	RP24-137J17.2
ENSMUSG00000033055.12	880.9321616	0.477038521	0.010282419	0.019717982	Ankrd54
ENSMUSG000000039988.14	2811.430971	-0.343560445	0.010282002	0.019717982	Ankrd13c
ENSMUSG000000040459.11	7445.644234	0.370110357	0.010289391	0.019729963	Arglu1
ENSMUSG00000029456.12	191.2009895	-0.601420042	0.010291896	0.019733378	Acad10
ENSMUSG00000039883.5	2.472026535	4.667634529	0.010295704	0.01973929	Lrrc17
ENSMUSG000000004446.12	1111.822177	-0.338608085	0.010301612	0.019748163	Bid
ENSMUSG00000111264.1	38.44160859	-1.46456046	0.010301782	0.019748163	RP24-282C4.9
ENSMUSG00000036819.14	1779.692029	-0.719285355	0.010308992	0.019760594	Jmj4d
ENSMUSG000000046934.5	330.7741883	-0.976073926	0.010312556	0.019766034	Csl
ENSMUSG000000083520.1	10.38687131	-1.868341669	0.010326292	0.019790969	RP23-436F2.3
ENSMUSG00000100922.1	2089.329315	-0.661191947	0.010329005	0.019794776	RP23-128A11.3
ENSMUSG00000104877.1	4.212494243	-3.710513336	0.010333385	0.019801778	RP23-121M13.3
ENSMUSG000000030271.14	440.490685	-0.403514207	0.010338174	0.019809561	Ogg1
ENSMUSG00000034522.10	685.2492863	-0.731200534	0.010340404	0.01981244	Zfp395
ENSMUSG000000091421.3	6640.219673	-0.752615277	0.010342862	0.019815756	RP24-496A9.6
ENSMUSG000000045410.18	666.4315703	0.520440042	0.010345711	0.019819594	Akr1e1
ENSMUSG000000059089.4	5.151740312	3.774363122	0.01034632	0.019819594	Fcgr4
ENSMUSG000000025173.13	3985.87885	-0.410565457	0.010361602	0.019847473	Wdr45b
ENSMUSG00000022982.10	10893.25094	0.861087413	0.010367122	0.019856651	Sod1
ENSMUSG000000027655.14	919.4859649	-0.525387356	0.01038272	0.019885118	Dhx35
ENSMUSG00000102481.1	2.273110533	4.563890713	0.010383445	0.019885118	RP24-208F6.1
ENSMUSG00000024395.8	2.531063289	4.710673916	0.010392454	0.019900972	Lims2
ENSMUSG000000089662.1	38.89732916	0.958290222	0.010393916	0.019902372	RP23-136C22.4
ENSMUSG00000107096.3	203.2270568	0.86262592	0.010398414	0.019909586	RP23-34P11.2
ENSMUSG00000009681.10	2548.024718	0.63792385	0.010402148	0.019915336	Bcr
ENSMUSG00000102976.6	270.6013596	-1.460625922	0.010406549	0.019922361	Zc3h11a
ENSMUSG000000041771.13	10.78334713	2.36096181	0.010429382	0.01996467	Slc24a4
ENSMUSG000000022842.18	26.56164646	1.515052869	0.010436249	0.019976413	Ece2
ENSMUSG00000079501.3	11.55819374	-1.734222587	0.010437995	0.01997835	RP24-327I4.3
ENSMUSG000000099773.1	17.34600966	2.17901258	0.010444763	0.0199899	Hmgb1-rs16
ENSMUSG000000029828.4	91.89465715	0.786513722	0.010445825	0.019990529	RP23-198D7.3
ENSMUSG000000030307.8	10.02534205	1.786807475	0.010448247	0.019993759	Slc6a11
ENSMUSG00000033540.18	88.1023118	0.864924957	0.010454065	0.020003487	Idua
ENSMUSG000000089815.7	3.943193051	-3.621582755	0.010456703	0.020007129	RP23-469C2.1
ENSMUSG000000019872.13	19.18265356	1.211925616	0.010458141	0.020008474	Smpd13a
ENSMUSG00000025963.5	7.499856854	2.908307219	0.010468873	0.0200276	Mdh1b
ENSMUSG000000097357.2	5.874251645	2.516028147	0.010476641	0.020041053	RP24-324M11.1
ENSMUSG00000029344.14	687.9366271	0.384523894	0.010491447	0.020067968	Tpst2
ENSMUSG000000038646.13	1801.497385	0.359843133	0.010496168	0.02007496	Fam103a1
ENSMUSG000000089713.1	2.249700919	4.550939287	0.010497313	0.02007496	RP24-419N8.2
ENSMUSG00000101724.1	2.249700919	4.550939287	0.010497313	0.02007496	RP23-373D7.2
ENSMUSG000000021318.15	1762.789984	-0.699536068	0.010508084	0.020094147	Gli3
ENSMUSG0000000086130.1	3.361052056	5.109583913	0.010515581	0.020107072	RP23-282C23.8
ENSMUSG00000029647.15	1872.595071	-0.605541528	0.010518013	0.020110311	Pan3
ENSMUSG000000031570.17	351.2138172	0.589995171	0.010525045	0.020122344	P1pp5
ENSMUSG000000035754.8	3571.641098	-0.429292678	0.010551693	0.020171876	Wdr18
ENSMUSG00000073422.10	17.37879769	1.494916803	0.010558852	0.020184144	H2-Ke6
ENSMUSG000000025198.16	792.9730524	0.385158567	0.010563416	0.020191452	Erlin1
ENSMUSG00000002957.11	6807.30707	0.364684163	0.010572084	0.020206603	Ap2a2
ENSMUSG000000005103.12	6001.2907	0.30432833	0.010599446	0.02025748	Wdr1
ENSMUSG00000102632.1	11.53823829	1.770695285	0.010611364	0.020278833	RP24-366E11.2
ENSMUSG00000105565.1	63.57444499	-0.789348674	0.010629642	0.02031234	RP23-110C17.1
ENSMUSG00000110371.1	25.40925047	-1.197603458	0.010640164	0.020331021	RP24-323I19.1
ENSMUSG00000101225.1	99.12069746	0.687305579	0.01064996	0.02034831	RP23-4H17.1
ENSMUSG00000082464.3	69.03189192	-0.747197474	0.010652459	0.020351659	Rab9b-ps1
ENSMUSG00000015016.8	361.6929382	0.469052087	0.0106618	0.020368075	Acsf3
ENSMUSG000000035329.7	985.6061955	-0.443124142	0.010663492	0.020369879	Fbxo33
ENSMUSG00000001014.6	18.01121002	-1.582281287	0.010664561	0.020370493	Icam4
ENSMUSG00000016995.17	20.33274855	1.45608606	0.010667324	0.020374342	Matn4
ENSMUSG00000022664.11	615.7252877	0.491067065	0.010668545	0.020375245	Slc35a5
ENSMUSG000000025423.15	3076.406528	-0.391406254	0.010697511	0.020429134	Pias2
ENSMUSG000000059970.7	311.2627922	-0.572636232	0.010702071	0.02043641	Hspa2
ENSMUSG00000038886.10	2180.873147	0.561378776	0.010703008	0.020436766	Man2a2
ENSMUSG000000069911.10	326.0336076	-0.681707374	0.010708703	0.020446208	Fam196b
ENSMUSG000000028703.14	1887.083515	0.325611209	0.010715969	0.020458647	Lrrc41
ENSMUSG00000029517.13	2.34850773	4.617103392	0.010719125	0.020463238	Ankrd7
ENSMUSG000000027716.13	364.6485672	-0.526250323	0.010742948	0.020507281	Trpc3
ENSMUSG000000038954.14	605.3966915	0.566569203	0.010749087	0.020517561	Supt3
ENSMUSG00000022091.6	194.573668	0.601888208	0.01075412	0.02052573	Sorbs3

ENSMUSG00000020728.17	248.2539256	0.458690261	0.010759506	0.02053457	Cep112
ENSMUSG00000057858.7	1105.815564	0.323189467	0.010760387	0.020534813	Fam204a
ENSMUSG00000036944.6	3.282774205	4.062227978	0.010770901	0.020553437	Tmem71
ENSMUSG00000003824.12	745.803668	-0.79223169	0.010781775	0.020571307	Syce2
ENSMUSG00000020307.15	4710.940881	-0.664858015	0.010781211	0.020571307	Cdc34
ENSMUSG00000105019.1	5.226593059	3.756075507	0.010799932	0.020604507	RP23-337H1.2
ENSMUSG00000035498.10	2.25057169	-4.717508908	0.010804898	0.020612536	Cdcp1
ENSMUSG00000040432.5	4.891397358	3.04856302	0.010831592	0.020662014	Ltb4r2
ENSMUSG00000027742.13	1270.083428	-0.465712167	0.010833838	0.020664851	Cog6
ENSMUSG00000022313.10	585.0338372	-0.532774266	0.010848561	0.020691487	Utp23
ENSMUSG00000025860.15	2078.324274	-0.756106451	0.010852909	0.020698329	Xiap
ENSMUSG000000054128.16	2.912917016	-4.05881091	0.010884557	0.020757234	H2-T3
ENSMUSG00000021306.11	769.0782686	0.586543422	0.010898978	0.020783281	Gpr137b
ENSMUSG00000115249.1	13.34456451	2.030096368	0.010902901	0.020789307	RP23-255N20.2
ENSMUSG00000041241.12	1694.041991	0.325670665	0.010914023	0.020807601	Mul1
ENSMUSG000000084399.2	7.816822112	2.713918104	0.010913654	0.020807601	RP23-363J15.1
ENSMUSG00000114066.1	40.04467786	1.218938328	0.010931985	0.020840387	RP24-160P23.2
ENSMUSG00000027420.13	3.251503494	4.03063997	0.010934483	0.020843691	Bfsp1
ENSMUSG00000113065.1	10.429244	-1.659292409	0.010948545	0.020869036	RP23-68K21.8
ENSMUSG000000099534.1	20.76462742	-1.173628906	0.010960068	0.020889538	RP23-293C19.3
ENSMUSG00000078151.3	689.9670045	-0.422043233	0.010964827	0.020897147	RP23-297J14.5
ENSMUSG00000027257.13	391.1142918	-0.472086614	0.010981167	0.020926824	Pacsin3
ENSMUSG00000060332.9	2.966388761	-4.075956352	0.011026966	0.021012633	Tmc2
ENSMUSG00000014158.12	8.611084002	-2.282381378	0.011031076	0.021018996	Trpv4
ENSMUSG00000021018.8	1930.42075	-0.880649276	0.011058163	0.021069134	Polr2h
ENSMUSG00000028454.16	1025.041759	-0.665443023	0.011059234	0.021069701	Pigo
ENSMUSG000000036893.17	3709.944366	-0.577427227	0.011076985	0.021101673	Ehmt1
ENSMUSG00000059423.13	655.76781	-0.723803469	0.011077565	0.021101673	Zfp933
ENSMUSG00000052520.7	2.576735462	-4.913648848	0.011080808	0.021106513	Cyp2j5
ENSMUSG00000040697.10	1624.037198	0.673065808	0.011086519	0.021114435	Dnajc16
ENSMUSG000000049721.14	11.04466112	2.072355173	0.011086659	0.021114435	Gal3st1
ENSMUSG00000024843.15	2221.875646	0.295952859	0.011090777	0.021120934	Chka
ENSMUSG00000081937.1	85.84424945	0.910782226	0.011093067	0.021123817	RP23-3G8.1
ENSMUSG00000041935.10	2941.467842	-0.762629931	0.011102956	0.021141117	RP23-372O9.2
ENSMUSG000000031304.18	7.362405241	2.11404073	0.011109586	0.021152317	Il2rg
ENSMUSG00000030166.14	798.1764339	-0.550982487	0.011113785	0.021158832	Rad52
ENSMUSG00000023505.13	2513.868108	-0.505275286	0.011114785	0.021159258	Cdca3
ENSMUSG000000046519.15	776.7200912	-0.61679913	0.011129078	0.021184986	Golph3l
ENSMUSG00000098041.1	4.116622548	4.37687221	0.011137913	0.021200324	RP23-474B13.4
ENSMUSG00000024837.15	83.49751218	0.720747251	0.011146922	0.021215989	Dmrt1
ENSMUSG00000030055.16	15.54748323	1.630495509	0.011152348	0.021224833	Rab43
ENSMUSG000000024727.8	7.788165096	3.003762884	0.011159884	0.021237692	Trpm6
ENSMUSG00000021559.14	2072.750071	0.723388803	0.011167732	0.021251143	Dapk1
ENSMUSG00000037933.16	1719.835699	0.700078035	0.011199323	0.021309769	Bicd2
ENSMUSG00000006315.9	2826.044517	0.775941245	0.011217413	0.021342698	Tmem147
ENSMUSG000000089183.1	55.35225755	-0.794964096	0.011228206	0.021361743	RP24-271M20.8
ENSMUSG00000030847.8	33.36888765	-1.321975321	0.011237403	0.021377746	Bag3
ENSMUSG00000071691.11	9.817105205	2.856732283	0.011242486	0.021385924	RP24-168G14.1
ENSMUSG000000036707.16	4778.595957	0.434001058	0.011246828	0.021392688	Cab39
ENSMUSG00000024131.7	20.51492466	1.372525608	0.011269595	0.021434497	Slc3a1
ENSMUSG00000098659.7	3.943726269	5.362214374	0.011270923	0.021435527	RP23-442I7.1
ENSMUSG00000026442.14	2406.485736	1.034684498	0.011272133	0.021436331	Nfasc
ENSMUSG00000003761.8	2485.517572	0.697984579	0.01127391	0.021438215	Sf3b6
ENSMUSG00000098056.1	19.40927474	-1.270158086	0.011277584	0.021443704	RP24-546F2.1
ENSMUSG00000070939.9	859.6976152	0.725586076	0.011304108	0.021492638	Tgfbra1
ENSMUSG00000115064.1	32.03627984	0.960799734	0.011310907	0.021504063	RP23-445C23.1
ENSMUSG000000085180.1	3.830232854	-3.549439479	0.011315973	0.021512193	RP23-351B24.4
ENSMUSG00000048281.9	33.91116538	-1.099909191	0.011326505	0.021530713	Dleu7
ENSMUSG00000040731.13	15504.19137	-0.383138561	0.011336656	0.021548505	Eif4h
ENSMUSG00000077737.1	39.69419752	-1.148844643	0.011357014	0.021585696	Snord72
ENSMUSG00000039954.8	121.5833858	-0.594680795	0.011363562	0.021596635	Stk32a
ENSMUSG00000106445.1	2.595268397	4.762587528	0.011365927	0.021599622	RP24-152F23.3
ENSMUSG00000065939.1	2.085851031	-4.607218955	0.011368894	0.021600741	Snora2b
ENSMUSG000000081811.1	2.085851031	-4.607218955	0.011368894	0.021600741	RP23-270L8.3
ENSMUSG00000111253.1	2.085851031	-4.607218955	0.011368894	0.021600741	RP24-397P9.4
ENSMUSG00000115422.1	2.211745961	4.514615191	0.011375659	0.021612085	RP23-401P15.1
ENSMUSG00000107877.1	133.2606934	-1.299368012	0.011378872	0.021616684	RP23-207N15.7
ENSMUSG000000062190.12	1832.169332	0.570222396	0.011396821	0.021648242	Lanc12
ENSMUSG00000095440.2	1610.015915	0.522883425	0.011397074	0.021648242	Fignl2
ENSMUSG00000031540.13	2438.31419	-1.035637766	0.011402736	0.021657487	Kat6a
ENSMUSG000000045693.8	2.079150918	-4.603320159	0.01141424	0.021677825	Nlrp4e
ENSMUSG00000074635.2	6.413248362	2.997144251	0.011416297	0.02168022	3110070M22Rik
ENSMUSG00000080982.1	11.17091164	-2.201355483	0.011421577	0.021688736	RP23-151F21.3
ENSMUSG00000111828.1	12.7371122	1.634472113	0.011423621	0.021691106	RP23-366E1.3
ENSMUSG00000025945.11	2.200041154	4.507884806	0.011440074	0.021720832	Cryof
ENSMUSG00000071654.5	654.901964	0.877756826	0.011441031	0.021721134	Uqcc3
ENSMUSG00000029227.15	3691.948251	-0.412073695	0.011459012	0.021753756	Fip111
ENSMUSG00000022337.7	2014.46194	0.470888134	0.011461505	0.021755457	Emc2
ENSMUSG00000112090.1	17.28160262	1.8044019	0.011460828	0.021755457	RP23-159A20.1
ENSMUSG00000034224.14	2.362540354	4.623519171	0.011465855	0.021762197	Slc38a8
ENSMUSG00000025272.16	9478.820893	0.606875142	0.011489249	0.021805081	Tro
ENSMUSG000000039676.4	11.31367294	-1.843259682	0.011505056	0.021833559	Capsl
ENSMUSG000000086841.1	4693.226771	0.837767184	0.011514015	0.021848927	RP23-234K24.8

ENSMUSG00000107604.1	17.14155776	2.760151677	0.011514758	0.021848927	RP23-100G10.7
ENSMUSG00000109492.1	17.14723469	-1.236060474	0.011519676	0.021856736	RP24-252O10.1
ENSMUSG00000025544.13	3489.352488	-0.348637423	0.011523491	0.021862361	Tm9sf2
ENSMUSG00000068860.5	2.45799391	4.661505733	0.011525049	0.021862361	AC140190.2
ENSMUSG00000101214.1	2.45799391	4.661505733	0.011525049	0.021862361	RP23-22315.2
ENSMUSG00000067455.5	40.25768233	1.145593293	0.011570806	0.021947632	Hist1h4j
ENSMUSG00000086842.2	24.95573388	-1.2143164	0.011572932	0.021950137	AC102643.1
ENSMUSG00000084873.3	2.237996112	4.544160761	0.011578472	0.021959115	RP23-339H16.1
ENSMUSG00000037437.18	6.905280453	2.496874504	0.011579886	0.021960267	Adam32
ENSMUSG00000106676.1	8.819124848	2.373442907	0.011599739	0.021996387	RP24-246G10.3
ENSMUSG00000091028.1	7.426844776	2.588035549	0.011609366	0.022013109	Gm10722
ENSMUSG00000034427.17	16.07981382	1.763878185	0.011634594	0.022059411	Myo15b
ENSMUSG00000050840.8	151.985412	0.770325258	0.011645085	0.022077765	Cdh20
ENSMUSG00000103459.1	2.162598915	4.487271457	0.011652666	0.0220906	RP23-288N9.2
ENSMUSG00000030330.15	76.04844085	-1.377455114	0.01165355	0.02209074	Ing4
ENSMUSG00000055818.2	4.755178958	3.614440523	0.011657629	0.022095397	RP24-545G7.8
ENSMUSG00000083049.1	70.23770909	-0.684168834	0.011657438	0.022095397	RP23-263N6.1
ENSMUSG00000094886.2	37.67732684	1.07819282	0.011669678	0.022115655	RP23-155L11.5
ENSMUSG00000103092.1	42.84503979	1.438867015	0.011669941	0.022115655	Pcdha5
ENSMUSG00000038515.10	288.3457469	0.461160147	0.011673037	0.022119983	Grtp1
ENSMUSG00000044562.12	97.8933836	-0.772044464	0.011684429	0.02214003	Rasip1
ENSMUSG00000039523.16	1091.552832	-0.748561696	0.011697234	0.022162752	Cep104
ENSMUSG00000034673.14	2740.519115	0.312825682	0.011706219	0.022178233	Pbx2
ENSMUSG00000078937.8	8.952109365	-2.188364499	0.011725172	0.022212597	Cpt1b
ENSMUSG00000116187.1	2.330828019	-4.761186652	0.011743569	0.022245902	RP24-211C19.4
ENSMUSG00000021188.14	1427.903539	-0.745009451	0.011751207	0.022258822	Trip11
ENSMUSG00000057409.6	227.3186408	-0.560060089	0.011752655	0.022260017	Zfp53
ENSMUSG00000067219.9	6.612263131	2.421583512	0.011754192	0.02226138	Nipal1
ENSMUSG00000100775.1	19.47764728	1.42599554	0.011765347	0.022280959	RP23-28L24.8
ENSMUSG00000113843.1	376.1510654	-0.812571602	0.011781699	0.022310375	RP24-541L1.3
ENSMUSG00000081552.1	41.78933259	0.928293618	0.011789893	0.022324339	RP23-180L15.3
ENSMUSG00000072188.4	3.385937445	4.105089611	0.011796939	0.022336129	RP23-239L21.2
ENSMUSG00000020611.14	3152.523569	-0.510339598	0.011805628	0.022351026	Gna13
ENSMUSG00000035451.7	24.88286125	1.077475146	0.011811278	0.022360169	Foxa1
ENSMUSG00000105168.1	3.790177199	-3.536792684	0.011814771	0.022365229	RP24-291E8.4
ENSMUSG00000017776.15	8922.078272	-0.405737638	0.01181965	0.02237235	Crk
ENSMUSG00000019699.16	2309.379704	0.83363355	0.011820176	0.02237235	Akt3
ENSMUSG00000107755.1	10.43078731	-2.306720964	0.011839406	0.022407191	Mageb16-ps2
ENSMUSG00000020485.14	1778.663103	0.848995144	0.011842591	0.022411662	Supt4a
ENSMUSG00000044083.12	9.177152145	1.756838335	0.011845029	0.022414718	Efcab8
ENSMUSG00000063849.6	413.0254242	0.44850102	0.011851289	0.022425007	Ppcdc
ENSMUSG000000028248.15	5541.131744	0.265867138	0.011861731	0.022441648	Prn1r
ENSMUSG00000067206.3	5.350593933	3.178618821	0.011861392	0.022441648	Lrrc66
ENSMUSG00000019889.10	2229.971258	-0.532383273	0.011870972	0.02245757	Ptprk
ENSMUSG00000081248.1	7.275722536	2.890312526	0.01188762	0.022487504	RP23-42N14.4
ENSMUSG00000048899.8	288.8113989	0.745983908	0.011904091	0.022517098	Rimk1a
ENSMUSG00000048794.14	11.13277708	1.801270941	0.011920807	0.022547151	Cfap100
ENSMUSG00000014245.8	507.2405964	-0.404844265	0.011941537	0.022584792	Pigl
ENSMUSG00000101958.1	7.028000272	-2.312331101	0.011946675	0.022592941	RP23-29D20.3
ENSMUSG00000035557.9	2.395337031	-4.809513903	0.011951062	0.022599669	Krt17
ENSMUSG00000027822.16	1214.85289	-0.369833957	0.011984712	0.022661458	Slc33a1
ENSMUSG00000031833.10	520.3299464	0.884772885	0.011985401	0.022661458	Mast3
ENSMUSG000000029173.12	868.2848968	-0.717600038	0.011986581	0.022662117	Sepsecs
ENSMUSG00000030231.11	3164.241799	-0.826342346	0.011999713	0.022685018	Plekha5
ENSMUSG00000105229.1	2.388636919	-4.805973409	0.012000359	0.022685018	RP24-559G13.2
ENSMUSG00000085911.1	2.460321728	4.662208017	0.012001375	0.022685364	RP23-162C3.1
ENSMUSG00000044788.10	301.6568838	-0.570147733	0.012008767	0.02269776	Fads6
ENSMUSG00000031023.5	315.269434	0.632474944	0.012022796	0.022722702	Akip1
ENSMUSG00000026965.12	3780.467367	0.308108652	0.012029578	0.022733941	Anapc2
ENSMUSG00000035248.9	1682.199008	0.446910628	0.012036812	0.022746035	Zcchc6
ENSMUSG00000078681.10	969.0269287	0.718619807	0.012045706	0.022761262	Tm2d3
ENSMUSG00000060261.15	9755.044701	-0.493452648	0.012049594	0.02276703	Gtf2i
ENSMUSG00000102133.1	5.90681287	3.940653489	0.012055028	0.022775718	RP23-268A12.2
ENSMUSG00000004284.9	34.23340055	1.370343197	0.012055897	0.02277578	Muc1
ENSMUSG00000104814.1	167.7796341	-0.957349245	0.012057775	0.022777748	RP24-161C20.4
ENSMUSG00000025791.18	2374.208259	0.28546919	0.012077293	0.022812813	Pgm2
ENSMUSG00000073102.7	7.67834983	2.14529665	0.012078012	0.022812813	Drc1
ENSMUSG000000020566.19	7.579046166	2.119447625	0.012090796	0.022835376	Atp6v1c2
ENSMUSG00000038342.15	2161.512539	-0.91931109	0.012121426	0.022888931	Mlxip
ENSMUSG00000083382.1	14.67165981	-1.328330786	0.012121369	0.022888931	AC138601.1
ENSMUSG00000085730.7	8.679324898	-1.958709487	0.012121673	0.022888931	RP23-30411.4
ENSMUSG00000026463.17	314.6530833	1.013502254	0.012124839	0.022893324	Atp2b4
ENSMUSG00000073406.10	316.1642522	-0.774491733	0.012132618	0.022906424	H2-BI
ENSMUSG00000109199.1	5.578871435	2.776513338	0.012147525	0.022932978	RP24-72H18.2
ENSMUSG00000000902.13	3816.938068	0.320562153	0.01215387	0.022943368	Smarca1
ENSMUSG00000030616.15	108.3566286	0.65142618	0.012156481	0.022946706	Sytl2
ENSMUSG00000015750.15	3141.639683	0.292131973	0.012160186	0.022951369	Aph1a
ENSMUSG00000028226.15	479.4389365	0.448907695	0.012160636	0.022951369	Mmp16
ENSMUSG00000038217.13	20.2813162	1.335191365	0.012168912	0.022964479	Tlcd2
ENSMUSG00000108526.1	4.36884363	-3.144368511	0.012169269	0.022964479	RP23-292C5.8
ENSMUSG00000086547.1	3.750558108	4.267876717	0.012178621	0.022980537	RP23-458A23.4
ENSMUSG00000079267.9	12.80365252	-1.520147524	0.012192544	0.023005215	RP23-455F6.2
ENSMUSG00000026354.8	8.675744303	2.903250839	0.012206824	0.023030563	Lct

ENSMUSG00000074797.11	2185.378886	0.754040164	0.012209103	0.023033267	Itpa
ENSMUSG00000032937.4	2.150894108	4.480469286	0.012219688	0.023049958	Fshr
ENSMUSG000000087621.7	5.68389737	2.819136301	0.012220488	0.023049958	AC160535.2
ENSMUSG00000105218.4	2.150894108	4.480469286	0.012219688	0.023049958	RP23-438O22.1
ENSMUSG00000103439.1	33.31296761	-1.202390445	0.012226963	0.023060573	RP23-354D10.2
ENSMUSG00000030994.15	3.267716143	4.032287965	0.012231906	0.023068299	RP23-445H7.1
ENSMUSG00000102411.1	116.4710242	-1.355281911	0.012233371	0.023069465	RP23-461P14.1
ENSMUSG00000031700.11	1857.182429	-0.341364061	0.012249586	0.023098444	Gpt2
ENSMUSG000000062098.11	1543.667819	-0.592843632	0.012255918	0.023108784	Btd3
ENSMUSG00000113429.1	2.260893007	4.542171532	0.012264961	0.023124235	RP24-345D17.1
ENSMUSG000000086937.1	8.149561512	-2.564468694	0.01229468	0.023178663	RP23-252K7.2
ENSMUSG00000105006.1	9.83504431	2.083162004	0.012297017	0.023181463	RP24-142B15.11
ENSMUSG00000078580.3	187.8233098	0.608376439	0.012301025	0.023187415	RP24-443B5.2
ENSMUSG00000074485.1	160.5680567	-0.800395419	0.012323311	0.023227817	Gm7381
ENSMUSG000000009907.17	2678.627854	-0.351095677	0.01232706	0.023233275	Vps4b
ENSMUSG000000096736.1	3.546385771	4.144976808	0.012331085	0.023237647	Gm17535
ENSMUSG00000107116.1	4.715148873	2.98650454	0.01233083	0.023237647	RP24-122N24.4
ENSMUSG00000027999.15	1011.390791	-0.664879815	0.012363526	0.02329717	Pla2g12a
ENSMUSG00000021576.6	2028.452632	0.509112357	0.012369721	0.023307231	Pdcd6
ENSMUSG000000028284.13	3241.86248	-0.602269294	0.012383203	0.023331019	Map3k7
ENSMUSG00000086993.1	4.908235234	-2.875649341	0.012419432	0.02339766	Rsf1os2
ENSMUSG00000112155.1	4.345984315	-3.60229789	0.012427307	0.023410878	RP24-279D11.1
ENSMUSG00000110394.1	3.03368572	3.93888641	0.012435717	0.023425101	RP24-447D19.5
ENSMUSG00000115577.1	23.40428179	1.667020953	0.012440864	0.023433175	RP24-498G7.4
ENSMUSG00000028140.13	2632.40021	-0.364174946	0.012445662	0.023440593	Mrpl9
ENSMUSG00000002409.18	201.7000228	0.708174429	0.012463171	0.023471946	Dyrk1b
ENSMUSG000000087739.1	7.579894689	-2.68614876	0.012469621	0.023482471	Gm24644
ENSMUSG00000034801.13	1202.384504	0.62853024	0.01247718	0.02349508	Sos2
ENSMUSG00000040253.15	5.313680278	3.191301995	0.012481974	0.023500859	Gbp7
ENSMUSG00000034770.10	4031.568708	0.917176574	0.012481855	0.023500859	RP23-191F22.11
ENSMUSG000000030145.14	750.4937012	0.660612165	0.01254027	0.023608986	Zfp248
ENSMUSG00000115538.1	24.32716617	-1.52983409	0.012541707	0.023610061	RP24-94G12.2
ENSMUSG00000037411.10	17.31082433	-1.468561084	0.012551987	0.023627779	Serpine1
ENSMUSG00000104028.1	4890.218121	-0.680268123	0.012556893	0.023635381	RP24-574O8.7
ENSMUSG00000103286.1	4889.624505	-0.68003044	0.012557786	0.02363543	RP23-36C9.2
ENSMUSG00000094242.2	584.7475269	0.641690754	0.012560455	0.023638819	RP23-9D13.3
ENSMUSG00000025357.8	165.6143801	-0.995743619	0.012564303	0.023644427	Dgka
ENSMUSG000000091277.2	274.3681037	-0.688441066	0.012566024	0.023646033	RP23-66J6.3
ENSMUSG00000042462.4	3229.044439	-0.879234122	0.012569815	0.023651534	Dctpp1
ENSMUSG00000027575.19	1744.08608	0.308825509	0.012594804	0.023696917	Arfgap1
ENSMUSG00000022336.3	10157.22506	-0.546357904	0.012618437	0.023739742	Eif3e
ENSMUSG000000027082.15	67.84868836	-0.681582023	0.012627548	0.023755242	Tfpi
ENSMUSG00000084408.1	11.44165801	-2.073806793	0.012628975	0.023756286	RP23-386N10.5
ENSMUSG000000041193.15	14.65562523	-1.462885766	0.012640887	0.023777052	Pla2g5
ENSMUSG000000028413.13	958.8991176	-0.360672195	0.012650535	0.023793557	B4galt1
ENSMUSG000000037143.17	23.0386392	1.442274548	0.012669414	0.02382742	Cfap61
ENSMUSG00000031362.17	29.11021861	0.987936332	0.012678622	0.023836817	Xlr4c
ENSMUSG000000097615.1	27.56905813	-1.346441407	0.012675794	0.023836817	Gm2061
ENSMUSG00000102801.1	3.647536264	4.196636904	0.012676704	0.023836817	RP23-247F18.3
ENSMUSG00000105326.1	3.120787724	3.98714556	0.012677848	0.023836817	RP24-230L5.3
ENSMUSG00000115321.1	5.480514192	3.286976283	0.012678786	0.023836817	RP24-252L3.6
ENSMUSG00000109255.1	1268.980991	0.346954455	0.012702891	0.023880487	RP24-215A14.6
ENSMUSG00000009178.7	9.28621941	-2.29087357	0.012707423	0.02388736	RP23-298C3.11
ENSMUSG00000035299.16	337.0817715	0.889645397	0.012723069	0.023915122	Mid1
ENSMUSG00000023333.8	2.188336347	4.501315169	0.012736411	0.023938547	Gcm1
ENSMUSG000000025477.14	1127.998187	0.317997481	0.012740263	0.023944136	Inpp5a
ENSMUSG000000064254.6	199.2567767	-0.593080501	0.012743607	0.023948767	Ethe1
ENSMUSG00000113095.1	6.281973357	2.618814803	0.012744621	0.023949021	RP24-138P9.1
ENSMUSG00000059586.10	1146.339847	0.399925161	0.012748511	0.023954679	Nsmc2
ENSMUSG00000016206.6	22.68324636	-1.562101971	0.012750902	0.02395752	H2-M3
ENSMUSG00000091786.1	16.20174947	-1.30739604	0.012770868	0.023993379	RP23-351D19.4
ENSMUSG00000032548.14	14.86567314	1.965660449	0.012775023	0.023999529	Sico2a1
ENSMUSG00000058692.4	3.795772412	5.307294104	0.01280201	0.024048569	Olfr846
ENSMUSG000000022205.15	12050.00684	0.475416231	0.012808215	0.024058566	Sub1
ENSMUSG00000113341.1	5.094622494	-2.938530197	0.012809733	0.02405976	RP24-68E20.2
ENSMUSG00000006777.7	3.063795447	3.948600088	0.012819842	0.024077087	Krt23
ENSMUSG000000060962.12	10.97373865	-2.275880155	0.01282122	0.024078014	Dmkn
ENSMUSG00000103432.1	4.724572378	3.627984815	0.012826754	0.024086746	RP24-546N2.2
ENSMUSG00000104985.1	3.308511637	4.070959733	0.012832692	0.024096236	RP23-501L6.1
ENSMUSG00000113681.1	203.3528825	0.979339691	0.012868912	0.024162581	RP24-89J3.8
ENSMUSG000000085645.1	2.286630439	4.556267202	0.012879464	0.024177395	Hoxb5os
ENSMUSG00000102457.1	2.286630439	4.556267202	0.012879464	0.024177395	RP23-382H8.2
ENSMUSG00000116569.1	2.286630439	4.556267202	0.012879464	0.024177395	RP23-378M19.3
ENSMUSG00000107207.1	4.802510905	3.634328342	0.012897697	0.024209953	RP23-323D23.1
ENSMUSG000000035237.7	16.86707088	-1.321684851	0.012913388	0.024237738	Lcat
ENSMUSG00000025931.15	767.2464915	-0.529517217	0.012934816	0.024276284	Paqr8
ENSMUSG00000083660.1	2.887827849	-4.048071671	0.012941453	0.024287067	RP23-406P12.1
ENSMUSG000000078160.2	7.730432983	-2.262190397	0.012950483	0.024302339	Gm16503
ENSMUSG000000056411.2	8.824702104	2.383885392	0.012959679	0.024312898	RP23-89M15.2
ENSMUSG00000070283.4	525.4610479	0.571951447	0.012959174	0.024312898	Ndufaf3
ENSMUSG00000099083.7	463.697128	-1.060503359	0.012958608	0.024312898	Atf7
ENSMUSG00000105419.1	11.68497351	2.684070147	0.012958381	0.024312898	RP23-218L17.2
ENSMUSG00000032582.14	3531.352364	-0.336937582	0.012984972	0.024358669	Rbm6

ENSMUSG00000054381.5	299.748232	-0.581120141	0.012990826	0.024367974	Zfp747
ENSMUSG00000113914.1	18.08678713	1.55701536	0.012992627	0.024369675	RP23-320111.8
ENSMUSG00000043065.12	577.1948682	-0.563859864	0.012997985	0.024378046	Spice1
ENSMUSG00000074577.9	2.449642358	4.679200618	0.013013821	0.024406065	Fam65c
ENSMUSG00000088273.1	2.534968524	-4.892652091	0.013028009	0.024430992	Gm23123
ENSMUSG00000101236.1	5113.966021	-0.419500757	0.013031003	0.024434925	RP23-429J21.2
ENSMUSG00000029522.12	12.19596084	-2.188509254	0.013044015	0.024457641	Pla2g1b
ENSMUSG00000057894.10	1333.230915	0.342492344	0.013046273	0.024460191	Zfp329
ENSMUSG00000105636.1	8.190980881	2.550754184	0.01304741	0.024460638	RP23-441124.3
ENSMUSG00000107610.1	52.88709591	-1.011095814	0.01305374	0.024470823	RP23-23C9.4
ENSMUSG00000009216.7	44.14433847	-0.974481206	0.013057129	0.02447549	Fam163b
ENSMUSG00000103628.1	7.970083176	2.458475808	0.013060286	0.024479724	RP23-279D12.4
ENSMUSG00000018362.14	11678.77518	-0.385996682	0.013100817	0.024553628	Kpna2
ENSMUSG00000088703.1	8.893518869	2.409696652	0.013101517	0.024553628	Gm25555
ENSMUSG00000100211.1	6.954310356	2.812650425	0.013109758	0.024567382	RP24-342G5.1
ENSMUSG00000047518.3	4.931585251	3.755669981	0.013117718	0.024578918	Sifn1
ENSMUSG00000060727.4	644.9595167	-0.661828837	0.013117294	0.024578918	RP23-185A18.17
ENSMUSG00000057286.6	106.9187549	-0.675552135	0.013128429	0.024597295	St6galnac2
ENSMUSG00000107300.1	30.18103052	0.95351525	0.013148496	0.024633198	RP23-472J13.3
ENSMUSG00000082738.1	9.186091044	1.900125746	0.01315107	0.024636325	RP23-30A18.2
ENSMUSG00000081835.1	2.21225868	4.530166376	0.013156162	0.024640873	RP23-349B15.1
ENSMUSG00000086918.1	2.21225868	4.530166376	0.013156162	0.024640873	RP23-469115.2
ENSMUSG00000100720.1	127.0366942	-0.939190754	0.013156211	0.024640873	AC098736.2
ENSMUSG00000019987.9	4.349304076	3.513661596	0.013159945	0.024646172	Arg1
ENSMUSG00000030603.16	7022.035996	-0.377779177	0.013162776	0.024649779	Psmc4
ENSMUSG00000103821.1	34.19046119	-1.802164992	0.013176306	0.024673422	RP24-147G7.2
ENSMUSG00000027710.14	1378.934018	-0.466806706	0.013178962	0.024676698	Acad9
ENSMUSG00000043702.9	1166.754114	-0.440446752	0.013190816	0.024697196	Pde12
ENSMUSG00000112435.1	23.43604734	-1.028634509	0.013217044	0.024744603	RP23-96G7.1
ENSMUSG00000030423.7	914.9366436	0.454760338	0.013228108	0.024763614	Pop4
ENSMUSG00000090137.8	192.2138165	-0.848451028	0.013242696	0.02478922	Uba52
ENSMUSG00000104360.1	391.8637036	-0.870770569	0.013254817	0.024810205	RP23-302C16.5
ENSMUSG00000046167.5	2.113451869	4.459464288	0.013257673	0.024813847	Gldn
ENSMUSG00000114024.1	17.88422135	1.417757391	0.013264088	0.024824146	RP23-324H19.4
ENSMUSG00000089808.3	152.8316021	0.743747628	0.013271094	0.024835552	AC160545.4
ENSMUSG00000084183.1	94.914312	-0.621715826	0.013286459	0.0248626	RP23-338K15.1
ENSMUSG00000094441.1	520.9686927	-1.08726939	0.013287976	0.024863729	Zfp955a
ENSMUSG00000029359.13	20.00996322	1.313014408	0.013301154	0.024886678	Desc
ENSMUSG00000031340.8	146.6802351	-0.937345517	0.013333112	0.024944759	Gabre
ENSMUSG00000066090.5	6.706519584	3.060405067	0.013344989	0.024965265	Insl5
ENSMUSG00000114996.1	4.898144286	-2.842591951	0.013352377	0.024977372	RP24-226L18.6
ENSMUSG00000114313.1	34.73775085	-1.491643404	0.013353393	0.024977557	RP23-25D11.2
ENSMUSG00000025323.10	1263.429679	0.360197313	0.01335605	0.024980812	Sp4
ENSMUSG00000038648.5	328.6432192	-0.602614622	0.013366478	0.0249986	Creb3l2
ENSMUSG00000089838.1	150.1674904	0.99959908	0.01338123	0.025024471	AC115959.3
ENSMUSG00000021922.17	3.127471971	3.982027564	0.013385096	0.025028974	Itih4
ENSMUSG00000022787.10	464.3660647	0.513869707	0.013385476	0.025028974	Wdr53
ENSMUSG00000107657.1	21.56531958	-1.347854272	0.013390767	0.025037149	RP23-456C8.1
ENSMUSG00000097831.1	3.358171401	4.099996725	0.013395495	0.025044272	RP23-367C6.4
ENSMUSG00000105063.1	7.572811487	2.416398576	0.01339676	0.025044918	RP23-137F6.5
ENSMUSG00000077652.1	4.656931682	-3.121187281	0.013401566	0.025052184	Gm23322
ENSMUSG00000095082.1	78.10436947	-0.677158374	0.013411777	0.02506955	RP23-18D18.4
ENSMUSG00000109783.1	5.933904934	2.541351433	0.013448038	0.025135605	RP23-389N20.2
ENSMUSG00000095687.2	24.83425785	1.167466715	0.013492623	0.025217209	Rnaset2a
ENSMUSG00000112683.1	1552.283779	0.596098177	0.013522823	0.025271918	RP23-360L4.4
ENSMUSG00000100200.1	2.814021174	-3.976876314	0.013530082	0.02528375	RP23-423L11.3
ENSMUSG00000026482.13	421.7926262	-0.702307908	0.01354606	0.025311871	Rgl1
ENSMUSG0000015341.17	3379.674711	0.321629659	0.013560025	0.025336227	Golga7
ENSMUSG00000101970.6	742.3358575	0.405448585	0.013568456	0.025350241	RP23-32A8.1
ENSMUSG00000105243.1	355.0821617	-0.439782819	0.013596684	0.025399497	RP24-295F14.2
ENSMUSG00000114309.1	8.449738885	2.332136745	0.013596608	0.025399497	RP23-180A14.2
ENSMUSG00000096784.1	2.18600853	4.501024109	0.01361299	0.025428214	Gm24643
ENSMUSG00000069720.4	2.470724155	4.690623954	0.013615403	0.025430978	AC117685.1
ENSMUSG00000067231.4	2.995730763	3.908284087	0.013638207	0.025471825	Cyp2c65
ENSMUSG00000031601.16	4468.793677	0.432410347	0.01366044	0.025511599	Cnot7
ENSMUSG00000107852.1	30.45320381	0.992860862	0.013663503	0.02551557	RP23-88E13.2
ENSMUSG00000092241.1	7.5795116	2.412315853	0.013673483	0.025532458	RP23-115O3.18
ENSMUSG00000110679.1	22456.24066	-0.672702332	0.013687433	0.025556755	RP23-98C9.8
ENSMUSG00000074807.2	119.6259654	0.573113857	0.013695452	0.025569975	Gm10762
ENSMUSG00000108055.1	4.105476975	5.405557956	0.013699642	0.025576045	RP23-172L21.1
ENSMUSG00000031022.15	5.802732423	-2.443624904	0.013701943	0.025578587	AC132584.3
ENSMUSG00000097583.2	3.395100922	4.103917276	0.013705228	0.025582968	RP23-200C3.5
ENSMUSG00000026163.17	26.23483975	1.264825166	0.013713688	0.025597005	Sphkap
ENSMUSG00000020576.10	1456.997922	-0.754910383	0.013719958	0.025606954	Nbas
ENSMUSG00000037818.8	2.617652574	4.754794496	0.013725227	0.025613279	RP23-454J20.5
ENSMUSG00000113328.1	162.7819898	-1.270133853	0.013724306	0.025613279	RP24-512K3.7
ENSMUSG00000102744.1	8.831620397	2.18751335	0.013740538	0.025640095	RP24-490B17.6
ENSMUSG00000000594.7	1473.576414	-0.331561093	0.013743283	0.025642602	Gm2a
ENSMUSG00000075330.4	12.28174413	2.006581167	0.013743764	0.025642602	RP23-238F5.3
ENSMUSG00000021752.13	387.8727279	0.532473616	0.013749557	0.025651652	Kctd6
ENSMUSG00000110770.1	24.07731619	-1.353987265	0.013754945	0.025659948	RP23-292G1.3
ENSMUSG00000035530.13	17572.55658	0.541127085	0.013767951	0.025682451	Eif1
ENSMUSG00000102995.1	3.237983589	4.037200344	0.013779348	0.025701951	RP24-186G5.1

ENSMUSG00000029811.14	3.800170723	-3.520069971	0.013787209	0.025713093	Aoc1
ENSMUSG00000044390.4	187.2149795	0.709682225	0.013787182	0.025713093	Tigd3
ENSMUSG00000052698.15	1522.0011109	-0.70538349	0.01379416	0.025724296	Tln2
ENSMUSG00000021824.13	2099.057062	-0.547581653	0.013808613	0.025749486	Ap3m1
ENSMUSG00000110523.1	2.934878909	3.882760666	0.013816224	0.025761914	RP24-94F12.2
ENSMUSG00000041028.16	7951.240665	0.33747605	0.013824166	0.025774959	Ghitm
ENSMUSG00000032035.15	252.9334819	-0.729625434	0.013847129	0.025814068	Ets1
ENSMUSG00000083150.1	21.3653645	-1.436242554	0.013847984	0.025814068	RP23-157O1.1
ENSMUSG00000103591.1	5.38843536	-2.51197495	0.013847007	0.025814068	RP24-398O5.2
ENSMUSG00000078891.4	87.85505851	-0.891881641	0.013850868	0.025817676	RP23-83O23.1
ENSMUSG00000051223.14	13271.74503	-0.374731056	0.013855049	0.025823703	Bzw1
ENSMUSG00000021615.13	431.2592064	0.579778858	0.013901736	0.025907944	Xrcc4
ENSMUSG00000031958.16	6.378065709	2.680441466	0.013902148	0.025907944	Ldhd
ENSMUSG00000103197.1	2.990259864	4.940101867	0.013911302	0.025923229	W11-2075L23.1
ENSMUSG00000026649.14	23.95076136	1.390094533	0.013949849	0.025991505	Cfap126
ENSMUSG00000075033.4	475.0558128	0.401114086	0.013949324	0.025991505	Nxpe3
ENSMUSG00000116622.1	28.13784976	1.057092039	0.013962072	0.0260125	RP23-263E11.2
ENSMUSG00000085222.1	2.139189301	4.473557806	0.013970326	0.026026097	RP23-142N2.1
ENSMUSG00000036995.7	202.5440608	0.551096281	0.013979184	0.026040819	Asap3
ENSMUSG00000024846.5	2.58486597	2.58486597	0.013985824	0.026049625	Cst6
ENSMUSG00000056966.7	2.58486597	4.737343381	0.013985824	0.026049625	Gjc3
ENSMUSG00000034932.4	1265.024446	0.865207657	0.014036788	0.026142761	Mrpl54
ENSMUSG00000115725.1	4.264514024	3.459797772	0.014042069	0.02615081	RP23-105B9.3
ENSMUSG00000087369.1	2.482428962	4.696562276	0.014049676	0.026163188	RP23-321B15.2
ENSMUSG00000028600.15	8.584367144	2.569917341	0.014062423	0.026185136	Podn
ENSMUSG00000086715.1	3.213098199	5.044285845	0.014073462	0.0262039	RP24-79A6.3
ENSMUSG00000023147.16	3179.440806	0.34011391	0.014081723	0.026217489	Wrb
ENSMUSG00000086272.1	28.14048534	0.998395096	0.014093625	0.026237856	RP23-251116.2
ENSMUSG00000101600.1	2.55861582	4.714457929	0.014095235	0.026239059	RP23-319M19.1
ENSMUSG00000028101.18	460.520148	0.624862701	0.01414175	0.026334553	Pias3
ENSMUSG00000103427.1	10.9261578	1.793875225	0.014149704	0.026336857	RP23-44N5.4
ENSMUSG00000065524.1	3.659523363	5.254643743	0.014160856	0.026355814	Mir135a-2
ENSMUSG00000086604.2	4.916464809	3.088993401	0.01416542	0.026362506	AC162893.3
ENSMUSG00000019802.13	5053.153863	-0.432319952	0.014174127	0.02637691	Sec63
ENSMUSG00000064350.1	4.973039248	2.594473501	0.014175788	0.026378198	mt-Ty
ENSMUSG00000041679.9	58.86045994	0.97600241	0.014179416	0.026381495	Lrrc29
ENSMUSG00000110065.1	106.6729823	-0.764242362	0.014179497	0.026381495	RP24-158D10.1
ENSMUSG000000097572.2	3.925505262	3.379713507	0.014187386	0.026394371	RP24-233F22.1
ENSMUSG00000110277.1	486.2252029	-0.452162885	0.014230538	0.026472843	CH25-588N10.2
ENSMUSG00000082615.1	4.590856406	-3.09151091	0.014239205	0.026487158	RP23-285N14.5
ENSMUSG00000024997.7	2603.491892	0.362380648	0.014249304	0.026504133	Prdx3
ENSMUSG00000026141.13	10.90847045	1.794226595	0.014258444	0.026519324	Col19a1
ENSMUSG00000042353.9	2.101747062	4.452374566	0.014262234	0.026522751	Frem3
ENSMUSG00000099799.6	2.101747062	4.452374566	0.014262234	0.026522751	RP24-241E24.1
ENSMUSG00000083011.1	11528.26266	-0.699356686	0.014291707	0.026575746	RP23-219O14.2
ENSMUSG00000080778.1	54.03980353	-0.990894478	0.014314044	0.026615466	RP23-231H22.1
ENSMUSG00000022498.16	1268.747477	-0.357693277	0.014334431	0.026651553	Txndc11
ENSMUSG00000022472.16	2336.747351	-0.273336776	0.014345756	0.02667079	Desi1
ENSMUSG00000038760.14	5.534473086	3.906692627	0.014356754	0.026685773	Thr
ENSMUSG00000047141.5	934.8481258	-0.734101292	0.014355436	0.026685773	ZNF654
ENSMUSG00000097579.1	10.61287422	1.769238529	0.014355918	0.026685773	Gm26799
ENSMUSG00000040124.5	549.5654168	0.523048858	0.014369136	0.026706966	Gorab
ENSMUSG00000086465.1	3.100709102	3.944546889	0.014371726	0.026709957	CH36-125B10.5
ENSMUSG00000042198.12	1042.333747	0.708606481	0.014393195	0.026748033	Chchd7
ENSMUSG00000109706.1	48.45813377	1.138002298	0.014417083	0.026790599	Fth1
ENSMUSG00000030587.5	3.016463499	3.913718	0.014423893	0.026801425	AC164564.3
ENSMUSG00000098832.2	2.941563156	3.877633713	0.014429388	0.026809806	RP23-157B3.4
ENSMUSG00000032010.15	165.739488	-0.619307768	0.014431997	0.026812825	Usp2
ENSMUSG00000099750.1	11.02789109	-1.626123641	0.014433157	0.026813152	RP23-152C21.5
ENSMUSG00000107480.1	2.802332232	-3.971817551	0.014438562	0.026821364	RP24-483J20.2
ENSMUSG00000075271.4	268.6998361	-0.509555897	0.014445519	0.026832458	Ttc30a1
ENSMUSG00000060678.5	36.28748911	1.20923691	0.014447032	0.026833438	Hist1h4c
ENSMUSG00000032382.14	1777.02499	0.295458605	0.014450241	0.02683757	Snx1
ENSMUSG00000098205.1	9.988068241	-1.738404146	0.014455717	0.02684591	RP23-337B16.1
ENSMUSG00000048304.8	446.1720312	0.701668767	0.014463434	0.02685841	Sliitr3
ENSMUSG00000030986.13	1712.90535	0.427044008	0.014481548	0.026890213	Dhx32
ENSMUSG00000089967.1	351.3863605	0.56964134	0.014492254	0.02690826	RP23-187M7.2
ENSMUSG00000005897.14	492.953604	0.556189672	0.014495136	0.026911777	Nr2c1
ENSMUSG00000045493.4	7.184131864	2.514351645	0.014509201	0.026936054	Bhlhe23
ENSMUSG000000081089.1	29.1631834	1.22234006	0.0145232	0.026960206	RP23-468C6.6
ENSMUSG00000097786.3	5.528777197	3.236453483	0.014538936	0.026987578	RP24-393115.2
ENSMUSG00000096950.2	9.546097507	1.822565291	0.014540743	0.026989093	RP23-76L21.3
ENSMUSG00000115299.1	76.49840966	-0.920710447	0.014590745	0.027080057	RP24-390D14.8
ENSMUSG00000100707.1	17.18057685	1.770200671	0.014600777	0.02709683	RP23-97L11.1
ENSMUSG00000052758.1	4320.416551	-0.77599012	0.014610664	0.027113332	RP24-92H14.2
ENSMUSG00000026222.16	2.272597815	4.549725362	0.014632964	0.027151015	Sp100
ENSMUSG00000105049.1	2.272597815	4.549725362	0.014632964	0.027151015	RP24-340K5.2
ENSMUSG00000026708.16	494.8283711	-0.360024672	0.014639448	0.027161197	Cenpl
ENSMUSG00000018442.13	2659.88915	-0.264453495	0.014645264	0.027170137	Derl2
ENSMUSG00000097635.2	12.60470831	-1.716992255	0.014650529	0.027178053	RP23-46L17.5
ENSMUSG00000021373.16	35.86067864	-1.133792101	0.01465808	0.02719021	Cap2
ENSMUSG00000052794.13	181.6990666	0.570595917	0.014669261	0.02709096	AC113182.4
ENSMUSG00000043483.4	20352.74134	-0.638796673	0.014678284	0.027223979	RP23-126M2.1

ENSMUSG00000098879.1	6.765724665	2.75512275	0.014679422	0.027224237	Mir7675
ENSMUSG00000036480.9	4.979801741	3.0636422	0.014697484	0.027255878	Prss56
ENSMUSG00000045231.5	54.43509814	0.995803939	0.014698663	0.027256209	RP24-69M4.4
ENSMUSG000000101171.1	25.12554719	-1.239453215	0.014716209	0.027286688	RP23-125I14.6
ENSMUSG000000106870.1	120.7700909	0.909198386	0.014717102	0.027286688	RP24-470E5.9
ENSMUSG000000104662.1	9.222715509	1.929410719	0.014730808	0.027310241	RP24-82B23.5
ENSMUSG00000032621.8	3895.338161	-0.327402394	0.014759613	0.027361781	Srek1
ENSMUSG00000079584.2	3.430512865	-3.379644309	0.014770216	0.027379575	RP23-435H13.1
ENSMUSG000000048058.17	2405.447895	-0.676023335	0.014780112	0.027396054	Ldrad3
ENSMUSG00000084304.1	135.6336211	0.966630675	0.014786399	0.027405844	RP23-198M10.1
ENSMUSG00000091405.2	8.686742852	2.187106522	0.01480976	0.027447275	Hist2h4
ENSMUSG000000048148.18	8.168148216	2.101257519	0.014814828	0.0274548	Nwd1
ENSMUSG00000020299.6	3.259861121	-4.208548449	0.014818109	0.027459012	RP23-71G18.2
ENSMUSG000000100347.1	1033.236407	-0.62018464	0.01482517	0.027470227	RP23-193H10.1
ENSMUSG000000029189.10	276.192138	0.855302956	0.014836082	0.027488578	Sel1f3
ENSMUSG000000059669.8	1016.877108	-0.345286559	0.014840037	0.027494035	Taf1b
ENSMUSG000000100596.1	3.103549638	3.958665725	0.014844304	0.02750007	RP23-79G18.2
ENSMUSG000000080859.1	23655.22764	-0.665500438	0.014864317	0.027534088	Rpl10-ps1
ENSMUSG000000097239.7	35.27324782	-0.916903967	0.014864688	0.027534088	RP23-124N11.3
ENSMUSG000000079432.1	11.55082298	1.740086631	0.014873308	0.027548182	RP24-142A19.3
ENSMUSG00000043800.11	56.0706557	-0.805466683	0.014886314	0.027570396	Kifc5c-ps
ENSMUSG000000012640.16	688.7055536	0.615136128	0.014889436	0.027574055	Zfp715
ENSMUSG000000025232.8	88.94050428	0.693836582	0.014890314	0.027574055	Hexa
ENSMUSG000000095477.1	4.003066617	3.415537142	0.014892072	0.027575436	Gm25076
ENSMUSG000000082549.1	31.64343231	1.37942198	0.014905958	0.027599273	RP23-375G11.2
ENSMUSG000000112984.1	6.1340195	2.577977393	0.0149105	0.027603931	RP24-138P9.2
ENSMUSG000000113273.1	6.1340195	2.577977393	0.0149105	0.027603931	RP24-138P9.3
ENSMUSG00000023070.6	2.960616341	3.893150987	0.014919493	0.027618702	Rgn
ENSMUSG000000031903.7	761.7285164	0.33202449	0.014922678	0.027622722	Pla2g15
ENSMUSG000000035385.5	4.658699964	3.577823244	0.014932457	0.027638945	Ccl2
ENSMUSG000000062352.14	837.5190416	0.623702408	0.014934426	0.027640711	Itgb1bp1
ENSMUSG000000109090.1	8.600872292	-2.109676577	0.014949734	0.027667163	RP23-423B21.10
ENSMUSG000000034115.10	4.795927936	3.015509266	0.014965019	0.02769357	Scn11a
ENSMUSG0000000035104.14	10.84981672	-1.518862205	0.014970953	0.027702669	Eva1a
ENSMUSG000000057244.6	688.0027461	-0.704692757	0.014981354	0.027720033	RP24-161C20.2
ENSMUSG000000094306.1	7.738886892	2.394613093	0.014994958	0.02774332	Gm24924
ENSMUSG000000069682.6	24372.22106	-0.765462369	0.015022848	0.027793035	RP23-460F17.1
ENSMUSG000000089827.1	4.187949994	3.475775407	0.015026649	0.027798178	RP23-128L22.2
ENSMUSG000000034203.8	3123.716234	-0.529266503	0.015036535	0.027814578	Chchd4
ENSMUSG000000042501.12	2.225778586	4.522636542	0.015039229	0.027817672	Cpa6
ENSMUSG000000091556.8	2.763162845	-3.976076947	0.015046384	0.027827129	RP23-145O4.4
ENSMUSG000000114693.1	4.16454038	3.467861957	0.015046245	0.027827129	RP23-453H5.2
ENSMUSG00000092575.2	4.12643401	3.39971794	0.015054376	0.027840018	RP24-242F12.9
ENSMUSG000000027194.16	1236.1857	0.663019559	0.015067662	0.027862128	Ttc17
ENSMUSG000000060068.7	109.7736055	-0.749547298	0.015068377	0.027862128	RP23-309E16.4
ENSMUSG000000032571.14	1568.451072	-0.663972422	0.015070189	0.027863587	Pik3r4
ENSMUSG000000106846.1	4.133285535	3.436394531	0.015077195	0.027874649	RP23-256D7.1
ENSMUSG000000021631.8	543.8025713	-0.518896929	0.01508542	0.027887962	Mrps36-ps1
ENSMUSG000000114893.1	16.13516957	1.49721684	0.015090419	0.02789531	RP24-211E15.3
ENSMUSG000000031266.6	1791.052833	0.342889299	0.01509699	0.027905563	Gla
ENSMUSG000000034707.7	3367.14858	0.425824828	0.015129383	0.027963543	Gns
ENSMUSG000000037531.8	1586.698825	-0.536622365	0.015148629	0.027997214	Mrpl47
ENSMUSG000000101597.2	4412.432383	-0.640907565	0.015163111	0.028022019	RP23-435I22.2
ENSMUSG000000044018.3	2243.409244	0.311682723	0.015196473	0.028081828	Mrpl50
ENSMUSG000000066880.15	1609.239489	0.308197385	0.015197579	0.028081967	Zfp617
ENSMUSG000000086283.7	13.5868512	1.853851107	0.015209531	0.028102147	RP23-57F11.3
ENSMUSG000000025470.11	679.7603457	-0.32911161	0.015211692	0.028104232	Zfp511
ENSMUSG00000006019.15	641.4461721	0.519024769	0.015224844	0.028126624	Dhx34
ENSMUSG000000100580.6	2.337528131	-4.765462029	0.015251868	0.028174638	RP23-118K4.1
ENSMUSG000000114817.1	2.889539132	-4.048569478	0.015253335	0.028175438	RP23-9016.26
ENSMUSG000000095224.1	7.940430718	2.007086541	0.015259487	0.02818489	F930015N05Rik
ENSMUSG000000108076.1	2.887843714	-4.042744712	0.015262177	0.028187947	RP23-296N5.4
ENSMUSG000000088956.1	9.70234906	-2.313145004	0.015275947	0.028211467	Gm24945
ENSMUSG000000113209.1	5.938110231	2.912753829	0.015277111	0.028211705	RP23-422H22.2
ENSMUSG000000063787.4	2075.730196	0.839307527	0.015296363	0.028245341	Chchd1
ENSMUSG000000053706.2	8.578923977	2.176446253	0.015320345	0.028287708	B430305J03Rik
ENSMUSG000000029092.9	2.347482292	4.591340646	0.015346977	0.028333041	RP24-442E2.2
ENSMUSG000000054999.2	35.54905266	-0.893954481	0.01534637	0.028333041	Naalad1
ENSMUSG000000030703.8	42.71877436	-0.85816893	0.015359119	0.028353535	Gdpd3
ENSMUSG000000083897.1	7.360574276	2.114959397	0.015366411	0.028365074	RP23-312D15.4
ENSMUSG000000104063.1	176.6403244	1.47244765	0.015393615	0.028413366	Pcdhgb7
ENSMUSG000000105572.1	157.2419076	-1.156381281	0.015415272	0.028451412	RP23-235E15.5
ENSMUSG000000084349.3	46253.14745	-0.698577078	0.015427394	0.028471857	Rpl3-ps1
ENSMUSG000000025355.7	12.12191183	1.976517539	0.015447317	0.028506693	Mmp19
ENSMUSG000000100816.1	9.599006134	-2.115329274	0.015458454	0.028525314	RP24-479J20.1
ENSMUSG000000101639.1	12.89915532	1.968508743	0.0154825	0.028567751	RP24-497L5.5
ENSMUSG00000000957.11	413.2344733	-0.3803766	0.015495743	0.028590249	Mmp14
ENSMUSG000000103159.1	2.74477379	-3.967923006	0.015516248	0.028626143	RP23-328J8.3
ENSMUSG0000000034731.10	252.5436656	-0.527975206	0.015551029	0.028688368	Dgkh
ENSMUSG00000074026.3	77.45686012	-0.752842189	0.015556929	0.02869731	Gm6091
ENSMUSG000000024431.14	502.0903733	-0.468882884	0.015564685	0.028709672	Nr3c1
ENSMUSG000000054648.7	711.1451764	-0.677654641	0.015565763	0.028709716	Zfp869
ENSMUSG000000036864.16	285.0510474	-0.771188269	0.015595456	0.028762536	Proser3

ENSMUSG00000035295.10	21.19749617	1.318524139	0.015626539	0.02881791	Wdr38
ENSMUSG00000015134.15	23.94347759	1.415714102	0.015630932	0.02882406	Aldh1a3
ENSMUSG00000026832.12	2.721395907	-3.957602282	0.015640463	0.028839683	Cytip
ENSMUSG00000019891.15	789.069112	-0.346338967	0.015657432	0.02886902	Dcbld1
ENSMUSG00000005779.12	11731.45829	0.877905009	0.01566315	0.028875654	Psmb4
ENSMUSG00000105785.1	32.59148473	-1.574966464	0.015662956	0.028875654	RP24-221P14.1
ENSMUSG00000019854.17	2333.464829	-0.576691473	0.015703333	0.028947774	Reps1
ENSMUSG00000033255.8	2.290772364	-4.739835087	0.015734656	0.029003552	RP23-167L1.2
ENSMUSG000000032478.14	1124.832282	-0.580286406	0.015739169	0.029009909	Nme6
ENSMUSG00000025531.14	1617.106078	-0.682204877	0.015752625	0.029032745	Chm
ENSMUSG000000083256.1	13.24770029	-1.928923049	0.015758464	0.029041542	Kars-ps1
ENSMUSG000000028583.14	3247.133139	0.471152638	0.015798735	0.029113788	Pdpn
ENSMUSG00000009292.18	8.474024654	1.951634139	0.015803814	0.029121179	Trpm2
ENSMUSG000000086539.8	3.083345485	3.971011188	0.01580679	0.029124692	RP23-284J4.1
ENSMUSG00000026205.8	3.867984401	3.309559147	0.015813102	0.029134352	Slc23a3
ENSMUSG000000078685.6	2.014645058	4.384105043	0.015844574	0.029190363	Mup-ps4
ENSMUSG00000091657.1	3.913287736	3.363635584	0.015849895	0.02919819	RP23-403B2.2
ENSMUSG00000009670.11	2.17663154	4.494766296	0.015853382	0.029200664	Tex1f
ENSMUSG00000014542.3	2.17663154	4.494766296	0.015853382	0.029200664	Clec4f
ENSMUSG000000078958.9	7.07602231	2.039105863	0.015857804	0.029206835	Atp6ap1l
ENSMUSG00000022339.9	1243.10543	-0.33047236	0.015868501	0.029224561	Ebag9
ENSMUSG000000091568.8	147.9981395	-0.512339614	0.015878831	0.029241118	RP23-314N18.1
ENSMUSG00000103039.1	41.67941091	-0.952066497	0.015879638	0.029241118	RP23-372117.5
ENSMUSG000000020651.8	6.527936187	-2.700089736	0.015885628	0.029250171	Slc26a4
ENSMUSG00000026418.16	2.148566291	4.479990133	0.015886919	0.02925057	Tnni1
ENSMUSG000000082376.1	10.48556992	1.832424401	0.015894174	0.029259974	RP23-166A1.3
ENSMUSG00000104057.1	2.939235339	3.877441185	0.015893378	0.029259974	RP23-225M12.1
ENSMUSG00000041528.15	549.2676447	0.8733677	0.015904681	0.029277337	Rnf123
ENSMUSG00000026869.12	2486.995903	-0.30087095	0.015942627	0.029345205	Psm5
ENSMUSG00000114110.1	325.2081226	0.675570866	0.015955062	0.02936611	RP23-78F1.6
ENSMUSG000000078653.4	35.97968644	-0.993241546	0.015959967	0.029373154	Cntd1
ENSMUSG00000093688.1	3.410136721	4.084323587	0.015962531	0.029375888	RP23-410M21.2
ENSMUSG00000038290.15	2695.885549	-0.545486289	0.015984393	0.029414133	Smg6
ENSMUSG00000022685.9	1784.76476	-0.287502469	0.015992671	0.02942738	Parn
ENSMUSG000000027579.6	2.918169407	3.87237772	0.015995507	0.02943061	Srms
ENSMUSG00000008153.11	2715.84219	0.725196336	0.015997484	0.029432259	Clstn3
ENSMUSG00000113965.1	5.860563692	3.375785805	0.016003636	0.02944159	RP23-417P22.3
ENSMUSG000000047388.10	1977.240903	0.455219068	0.016012407	0.029455736	Atmin
ENSMUSG00000047905.10	4379.217023	0.804541804	0.016053599	0.029529516	RP23-265P8.1
ENSMUSG00000074529.10	97.85368699	0.574796398	0.01608623	0.029587542	RP23-275N21.6
ENSMUSG000000082778.15	7.436514841	2.357569088	0.016090686	0.02959374	Hcrtr1
ENSMUSG000000004069.17	1681.709016	-0.317306977	0.016121998	0.029664038	Dnaj3
ENSMUSG00000074146.9	5.689472084	2.465574775	0.01615129	0.029701192	RP23-136C5.4
ENSMUSG00000115355.1	5.958210568	2.893563097	0.016155085	0.029706165	RP24-572J18.4
ENSMUSG00000030471.17	1644.71754	-0.411217477	0.016158015	0.029709546	Zdhc13
ENSMUSG000000064272.3	4.119529486	-3.025067583	0.016163248	0.029717164	Gpbar1
ENSMUSG00000036022.15	466.248721	-0.702392269	0.016168602	0.029725001	Fam122b
ENSMUSG00000004746.15	2882.368426	0.284698285	0.016175361	0.029733413	Rnf167
ENSMUSG000000040760.11	2379.47495	-0.303727428	0.016174527	0.029733413	Appl1
ENSMUSG00000097875.2	9.376221021	2.112064718	0.016176791	0.029734036	RP23-88A20.4
ENSMUSG00000105395.1	5.552653316	-2.349663004	0.016184236	0.029745714	RP23-422N18.1
ENSMUSG000000098219.1	7.881112463	-2.053173331	0.01619865	0.029770196	RP23-77B14.1
ENSMUSG000000081485.5	7154.711476	0.667789157	0.016214217	0.029796796	RP23-136K12.6
ENSMUSG00000103981.1	59.39116999	-0.937338503	0.016216921	0.029799754	RP23-464I9.1
ENSMUSG00000053490.8	3.778472392	-3.561797188	0.016233605	0.0298284	Trim60
ENSMUSG000000095659.2	2.243871577	-4.7134628	0.016243002	0.029843654	Spin2-ps5
ENSMUSG00000078887.10	1000.278194	-0.313142254	0.016244706	0.029844772	RP23-355G16.5
ENSMUSG00000018581.15	80.92942263	-0.765466481	0.016282686	0.029912532	Dnah11
ENSMUSG00000031212.3	22.83653482	2.066801136	0.016283976	0.029912885	Pgr15l
ENSMUSG000000092603.1	4.379533484	3.527779733	0.016288771	0.029919675	RP23-28N13.1
ENSMUSG00000107319.1	12.38286701	1.632242042	0.016309917	0.029956497	RP24-353A8.1
ENSMUSG00000014543.14	2.235605202	-4.70903592	0.016334456	0.029999545	Klra17
ENSMUSG00000033207.6	11.99847802	1.494086885	0.016355677	0.030036494	Mamdc2
ENSMUSG00000113018.1	2.308224955	4.583011768	0.016370658	0.030061979	RP23-442I5.3
ENSMUSG00000110416.1	3.157204525	3.976874553	0.016381953	0.030080694	RP23-323L3.4
ENSMUSG00000079580.8	2.052087297	4.406423577	0.016391035	0.030093312	Tmem217
ENSMUSG000000084929.1	2.052087297	4.406423577	0.016391035	0.030093312	Foxo6os
ENSMUSG000000087605.1	3.780070386	-3.514331098	0.016399171	0.03010622	RP23-10P23.2
ENSMUSG00000072387.3	170.6004898	-0.54319299	0.016419122	0.030140817	RP23-376O10.2
ENSMUSG00000035934.16	914.5804686	-0.781746733	0.016426485	0.030150269	Pknox2
ENSMUSG00000105434.1	42.66560282	1.484208079	0.016426087	0.030150269	RP23-407I6.6
ENSMUSG00000111254.1	26.17782372	1.150821159	0.016447649	0.030187082	RP23-408K7.1
ENSMUSG000000086213.2	2.07600963	4.437535817	0.016451025	0.030191243	AC129014.2
ENSMUSG000000081228.1	1284.600331	0.717862671	0.016466016	0.03021672	AC124730.7
ENSMUSG000000038463.8	84.3092752	0.580941999	0.016473464	0.030228352	Olfml2b
ENSMUSG00000020608.7	4037.885652	-0.289195728	0.016486634	0.03025048	Smc6
ENSMUSG00000000976.13	2094.930237	-0.545524249	0.01648839	0.030251665	Heatr6
ENSMUSG00000018001.18	1144.607554	0.600512769	0.016491615	0.030255544	Cyth3
ENSMUSG000000003680.15	982.7047776	-0.397696816	0.016495094	0.030259889	Taf6l
ENSMUSG000000037890.13	473.5886753	0.770290203	0.016496926	0.030261213	Wdr19
ENSMUSG00000107577.1	2.86616596	3.829587806	0.016500131	0.030265053	RP23-374K9.7
ENSMUSG000000014418.16	850.4207537	-0.576076461	0.016510805	0.030282594	Hps5
ENSMUSG000000000494.12	4.388928102	-3.175456757	0.016512855	0.030284313	Tbx4

ENSMUSG00000033777.4	3.104062356	3.970939355	0.016547639	0.030346064	Tlr13
ENSMUSG00000027801.7	2.607762866	4.741082396	0.016586631	0.030413573	Tm4sf4
ENSMUSG00000033713.12	1936.353528	-0.301217395	0.016586685	0.030413573	Foxn3
ENSMUSG00000044220.13	3.227597027	4.01465411	0.016593866	0.030424694	Nkx2-3
ENSMUSG00000034110.14	895.8090084	0.348949856	0.016616229	0.030463646	Ctnnd1
ENSMUSG00000052632.16	1119.68767	-0.652978941	0.016632224	0.030490919	Asap2
ENSMUSG00000103448.1	2.208804752	-4.69377918	0.016637575	0.030498675	RP24-88A10.2
ENSMUSG00000102623.1	2.544583195	4.708758934	0.016652387	0.030523775	RP23-271G7.1
ENSMUSG00000002968.9	3601.686606	-0.469859533	0.016674991	0.030561094	Med25
ENSMUSG00000051367.8	15.02943665	-1.480548486	0.016674682	0.030561094	Six1
ENSMUSG00000052837.6	106.7393125	-0.715729974	0.016703525	0.030611331	Junb
ENSMUSG00000036596.6	2.817018914	3.808072537	0.016704999	0.030611973	Cpz
ENSMUSG00000098243.3	6.900766215	2.457453366	0.016718231	0.030634159	RP23-393112.2
ENSMUSG00000087440.2	15.04697844	1.566129711	0.016733258	0.030659632	AC118601.3
ENSMUSG00000083827.1	2.903608199	3.845883521	0.016744093	0.030677421	RP23-283M18.3
ENSMUSG00000084060.3	350.8287536	0.82422776	0.01677222	0.030726888	RP23-216P24.2
ENSMUSG00000081408.1	5.992086061	-2.161197995	0.016808798	0.030791828	RP23-440B21.2
ENSMUSG00000021271.5	205.5431902	0.560302589	0.016811353	0.030794437	Zfp839
ENSMUSG00000051483.9	2331.71971	0.533357704	0.016852596	0.03086791	Cbr1
ENSMUSG000000021385.10	810.7146021	-0.301668656	0.01686556	0.030889579	lppk
ENSMUSG00000083579.2	20.02248119	-1.075147377	0.016876182	0.030906954	RP23-312H15.2
ENSMUSG00000007050.17	1776.251041	-0.647680944	0.016883142	0.030917623	Lsm2
ENSMUSG00000001120.15	1195.870746	0.369457091	0.016887043	0.030918531	Pcbp3
ENSMUSG00000064213.5	2.384924531	4.612587177	0.016884925	0.030918531	Defa24
ENSMUSG00000083555.1	326.1187836	-0.644781749	0.016886025	0.030918531	RP23-452C23.2
ENSMUSG00000114051.1	2.349217073	-4.772104803	0.016895296	0.030931563	RP24-299H18.4
ENSMUSG00000115457.1	11660.79399	-0.666765238	0.01690318	0.030943916	RP23-71O17.3
ENSMUSG00000087151.1	19.69139438	1.299421812	0.016927469	0.0309863	RP23-24M22.8
ENSMUSG00000106368.1	3.187298387	3.982341821	0.016937922	0.031003351	Gm44453
ENSMUSG00000001445.10	4174.406708	-0.359135106	0.016939488	0.031004133	Mrpl10
ENSMUSG000000115647.1	5.387727498	3.179856875	0.016954557	0.031029629	RP23-315F3.4
ENSMUSG00000062393.13	419.6474137	0.850741271	0.016965892	0.031048288	Dgkk
ENSMUSG00000072847.4	369.1516068	0.581055229	0.016981278	0.031074359	RP23-70A15.2
ENSMUSG000000083807.1	6.104916561	-2.388200646	0.016989537	0.031087384	RP23-264P3.3
ENSMUSG00000096197.1	111.660777	0.550347769	0.016995165	0.031095592	RP24-576O9.1
ENSMUSG00000090086.7	398.9222518	0.976853569	0.01699636	0.031095691	AC158114.3
ENSMUSG00000044322.7	2.878383486	3.851145401	0.016998182	0.031096936	Dsc1
ENSMUSG000000031231.4	3280.686594	0.705564495	0.017016151	0.031127719	Cox7b
ENSMUSG00000102151.1	2.299360683	4.588876899	0.017020769	0.031134076	RP24-271M20.3
ENSMUSG00000022151.16	1227.147012	0.475371175	0.017029988	0.031148847	Ttc33
ENSMUSG00000047084.8	1627.283258	0.594499325	0.017033086	0.031152423	Ngn
ENSMUSG000000047040.7	4.382327504	2.89349845	0.017035235	0.031153589	Slc25a34
ENSMUSG00000116125.1	3.410434878	5.152591974	0.017036011	0.031153589	RP23-383D13.2
ENSMUSG00000031683.16	2294.172399	-0.538442784	0.017049968	0.031177018	Lsm6
ENSMUSG000000022881.15	1790.30245	-0.638154278	0.017057566	0.03118882	Rfc4
ENSMUSG00000103098.1	8.668033763	-1.9091303542	0.017066189	0.031202491	RP23-469D21.5
ENSMUSG00000100605.1	4.535259707	-3.232139615	0.017080461	0.03122649	RP23-99B10.1
ENSMUSG00000032966.14	8064.304167	-0.377929351	0.017084666	0.031229985	Fkbp1a
ENSMUSG00000096225.7	8.951035184	1.849006505	0.017084172	0.031229985	Lhx8
ENSMUSG00000103847.1	285.9412148	-0.69929252	0.017097554	0.031251447	RP23-123L9.5
ENSMUSG00000042505.6	252.3399447	0.405559906	0.017122478	0.031294904	Sdhaf3
ENSMUSG00000054822.5	2.038054673	4.398830672	0.017133617	0.031313162	RP23-372N15.1
ENSMUSG000000082024.1	31.01254364	-1.067735343	0.01714028	0.031321137	RP23-222A18.1
ENSMUSG00000109502.1	31.01254364	-1.067735343	0.01714028	0.031321137	RP24-128P19.7
ENSMUSG00000115955.1	14.77115054	1.785544248	0.01714428	0.031326345	RP23-100C5.11
ENSMUSG000000020109.13	1225.975253	-0.461958291	0.017167501	0.03136667	Dnajb12
ENSMUSG000000082939.1	172.0616336	-0.564551171	0.017182165	0.031391359	RP23-233G6.2
ENSMUSG00000019055.15	1658.036892	-0.365673352	0.0171977	0.031417633	Plod1
ENSMUSG00000064353.1	50.47239449	1.279520758	0.017222359	0.031460571	mt-Td
ENSMUSG000000091110.1	121.2461637	0.614388711	0.017224462	0.031462304	RP24-286J19.1
ENSMUSG00000018286.6	15529.35141	0.835598799	0.017226852	0.031464559	Psm6
ENSMUSG00000006818.4	3346.41699	-0.267103131	0.017247249	0.031499703	Sod2
ENSMUSG00000030621.17	22.80526062	1.42483581	0.017293301	0.031581693	Me3
ENSMUSG000000020143.15	19.21931242	-1.206494401	0.017316211	0.031621411	Dock2
ENSMUSG00000021732.14	32.38309974	-1.28390027	0.0173309	0.031646114	Fgf10
ENSMUSG00000108608.1	981.5226884	0.773116183	0.01734929	0.031677572	RP23-412J12.1
ENSMUSG00000049323.8	2595.291836	-0.769664314	0.017368893	0.031711238	Smcr8
ENSMUSG000000041355.13	7687.634181	-0.518744195	0.017378286	0.03172626	Ssr2
ENSMUSG00000103759.1	313.2594397	-0.619564924	0.017382935	0.031732622	RP23-99I7.2
ENSMUSG00000102971.1	10.04400805	1.755403783	0.017403327	0.031767718	RP23-461P14.4
ENSMUSG00000038181.16	1004.937244	0.372372617	0.01741189	0.03178122	Chpf2
ENSMUSG00000104002.2	42.14732807	-0.8073059	0.017414523	0.031783897	RP23-348C6.3
ENSMUSG00000108211.1	25.28946186	1.649730806	0.017416429	0.031785246	RP24-419M4.2
ENSMUSG00000061246.6	2.60344688	-3.878278585	0.017425001	0.03179876	Olfir387-ps1
ENSMUSG000000080813.1	20.71097362	-1.204699746	0.017428091	0.031802268	RP23-314B7.1
ENSMUSG00000037221.13	599.1718396	0.352572675	0.017434715	0.031812224	Mospd3
ENSMUSG00000036598.4	3.140991876	3.974116725	0.017468591	0.031871902	Ccdc113
ENSMUSG00000109857.1	2.873514337	3.840752871	0.017473915	0.03187948	RP23-402A16.3
ENSMUSG000000032405.10	1817.088628	0.310112747	0.01749908	0.031923253	Pias1
ENSMUSG00000023467.18	8.86240288	-2.01683334	0.017503025	0.031924129	Tulp2
ENSMUSG00000035699.8	2.002940251	4.376818333	0.01750087	0.031924129	Slc51a
ENSMUSG00000064177.8	5.425912883	2.721277788	0.017503076	0.031924129	Ghr1
ENSMUSG00000022426.6	1590.956513	0.363840036	0.017515796	0.031943052	Josd1

ENSMUSG00000035745.9	7.580640853	2.419008456	0.017515227	0.031943052	Grin3b
ENSMUSG00000037035.5	26.80778958	1.398704352	0.017549008	0.031997194	Inhbb
ENSMUSG00000049233.7	867.2120763	0.452745294	0.017548947	0.031997194	RP23-344D21.3
ENSMUSG000000110378.1	5.959161378	2.56249608	0.017548711	0.031997194	RP23-369P21.2
ENSMUSG00000079304.5	7.816272582	2.203018346	0.017551716	0.031999999	RP23-114E15.3
ENSMUSG00000099133.1	2.127484494	4.466416007	0.01756849	0.032028429	Gm27605
ENSMUSG00000034168.7	1794.290601	0.440965506	0.017609405	0.032100871	lrf2bpl
ENSMUSG000000113125.1	2.871699239	3.856216742	0.01761804	0.032114463	RP24-132G6.1
ENSMUSG000000080365.1	2.573353019	-3.869715673	0.017619741	0.032115414	Gm25776
ENSMUSG00000025934.15	20.8870341	-1.493852141	0.01763523	0.032141495	Gsta3
ENSMUSG00000093826.1	1253.937593	0.502903436	0.017648238	0.032163053	RP23-14E14.3
ENSMUSG000000084611.1	1.988907627	4.369054335	0.01765643	0.032171524	Gm24371
ENSMUSG000000112701.1	1.988907627	4.369054335	0.01765643	0.032171524	RP23-454I20.4
ENSMUSG000000114156.1	1.988907627	4.369054335	0.01765643	0.032171524	RP23-451I11.3
ENSMUSG000000111224.1	40.48022541	-1.101932565	0.017685127	0.032221658	RP23-149M7.3
ENSMUSG00000049649.8	21.13265981	1.327763497	0.017717121	0.032273474	Gpr3
ENSMUSG00000053861.1	3.11059881	3.963178194	0.017716836	0.032273474	Gm9925
ENSMUSG00000097973.1	11.05269465	-1.615799959	0.017715615	0.032273474	RP23-177B9.1
ENSMUSG00000024807.17	1501.205535	-0.646026871	0.017729327	0.03229355	Syvn1
ENSMUSG00000047045.17	4730.989136	-0.515278588	0.017741454	0.032313478	Tmem164
ENSMUSG00000058239.13	1789.646482	0.327377552	0.017766292	0.032356553	Usf2
ENSMUSG00000035831.2	2.177144258	4.508661258	0.017780547	0.032376208	Krt25
ENSMUSG00000041566.3	2.177144258	4.508661258	0.017780547	0.032376208	Tssk1
ENSMUSG00000043279.9	473.8689148	-0.553555539	0.017780649	0.032376208	Trim56
ENSMUSG00000001403.13	2848.826542	-0.60693993	0.017801135	0.032409177	Ube2c
ENSMUSG00000085658.1	2.836584817	3.840439023	0.017800419	0.032409177	RP24-340J19.1
ENSMUSG00000038236.8	7.952103794	1.994665197	0.017816582	0.032435133	Hoxa7
ENSMUSG000000112756.1	7.662805311	2.899826134	0.017827632	0.03245308	RP23-38L16.3
ENSMUSG00000083196.1	6.757334217	-2.995981627	0.017838812	0.032471262	RP23-232L11.1
ENSMUSG00000005237.14	48.0857154	1.048437548	0.017847369	0.032484667	Dnah2
ENSMUSG00000040331.16	3348.69308	-0.582538166	0.017871363	0.032526167	Nsmce4a
ENSMUSG000000102232.1	4.830152467	3.032163541	0.017873544	0.032527964	RP23-6P18.4
ENSMUSG00000075288.2	474.6326683	0.622989242	0.017887398	0.032551002	RP23-379C1.2
ENSMUSG000000103570.1	9.047946799	2.231329107	0.017891479	0.032556253	RP23-393G10.4
ENSMUSG00000095918.7	3.734125549	4.23153109	0.017922765	0.032611004	RP23-92D22.2
ENSMUSG00000020257.13	6348.01586	0.293655939	0.017931147	0.032624076	Wdr82
ENSMUSG00000027670.4	1.937808143	-4.49794048	0.017945176	0.032645241	Ocstamp
ENSMUSG000000100968.1	1.937808143	-4.49794048	0.017945176	0.032645241	RP24-498K8.1
ENSMUSG00000050824.11	4.598749233	-2.768204385	0.017954907	0.032660763	Sstr5
ENSMUSG000000105265.4	46.22763783	0.880300795	0.017960992	0.03266965	Sox2ot
ENSMUSG000000114524.1	22.92843275	-1.436296526	0.01796984	0.032683561	RP23-180A14.5
ENSMUSG00000031445.5	2.350322828	4.604540227	0.017990033	0.032718103	Proz
ENSMUSG00000052387.15	8.099235489	2.501264274	0.017991428	0.032718457	Trpm3
ENSMUSG000000081199.3	23.99027921	-1.212491285	0.018023582	0.032774742	RP23-403O11.2
ENSMUSG00000070385.12	8.387348876	2.307411827	0.018045086	0.032811657	Ampd1
ENSMUSG00000091003.2	3.603660785	-3.439346709	0.018070847	0.032856305	RP24-153A6.2
ENSMUSG00000025439.5	3937.265496	-0.508431683	0.018084246	0.032876279	Clns1a
ENSMUSG00000087040.1	3.664199251	3.253143	0.018083594	0.032876279	RP23-256M16.1
ENSMUSG000000021156.17	3287.295369	0.524873774	0.018118684	0.032936686	Zmynd11
ENSMUSG00000024906.9	477.2535847	-0.430082075	0.018152341	0.032995668	Mus81
ENSMUSG00000071866.12	47584.83536	-0.639639214	0.018153982	0.032996449	Ppia
ENSMUSG00000078183.3	725.0321378	0.767419576	0.018156259	0.032998386	AC107763.2
ENSMUSG00000083038.1	322.1440588	0.615212784	0.018167253	0.033016165	RP23-384D6.3
ENSMUSG000000106971.1	16.47416825	-1.236493027	0.018192386	0.033059635	RP23-391P21.5
ENSMUSG00000034714.9	270.3268301	-0.591851595	0.018197307	0.033066372	Ttyh2
ENSMUSG000000109792.1	1.917707805	-4.485120912	0.018209998	0.033087224	RP24-163K4.3
ENSMUSG000000102665.1	3.795940459	3.297641178	0.018242392	0.033143873	RP23-441L19.2
ENSMUSG00000074824.3	5.164783924	-3.276024297	0.018247447	0.033150847	Rslcan18
ENSMUSG000000081923.1	55.5427327	-0.846169227	0.018286708	0.033219959	RP23-147I24.1
ENSMUSG000000021187.14	18.54330824	-1.161074666	0.01829878	0.033239672	Tc2n
ENSMUSG00000078184.1	1231.593428	-0.656704741	0.018304298	0.033247479	Rbm8a2
ENSMUSG00000027994.14	9.746995885	1.866583369	0.018309169	0.03325411	Mcub
ENSMUSG00000089396.1	6.049679786	2.235124873	0.018331426	0.033292314	Gm23027
ENSMUSG000000081156.1	2.141018193	-4.639825593	0.018339735	0.033305184	RP23-480P16.2
ENSMUSG00000081242.1	239.6769736	-2.431163186	0.018366531	0.033351622	AC125343.2
ENSMUSG00000085278.1	7.891449868	2.202643995	0.01839327	0.033397951	RP23-133J9.5
ENSMUSG00000028980.14	753.6118061	-0.674017233	0.018412692	0.033430988	H6pd
ENSMUSG000000113200.1	14.19385097	-1.366764618	0.018422054	0.033445758	RP23-78F1.8
ENSMUSG00000025453.18	31.04198398	-0.960006287	0.01846829	0.033527466	Nnt
ENSMUSG00000097648.1	5.785277232	-2.452780511	0.018480555	0.033547496	RP23-16A20.1
ENSMUSG000000107698.1	8.228622897	2.117513477	0.018482169	0.033548191	RP23-49L8.4
ENSMUSG00000038069.6	1313.357469	0.280935182	0.01848578	0.033552511	Cdkn2aip
ENSMUSG000000112352.1	6.238913743	2.32225631	0.018497907	0.033572284	RP23-250H23.1
ENSMUSG000000103887.1	4.825368898	-2.814542503	0.018507125	0.033586777	RP23-474B13.1
ENSMUSG00000057816.7	3.968857317	-2.930914954	0.018509652	0.033589125	RP24-472I15.1
ENSMUSG00000027703.16	1.894329922	-4.470373056	0.018525468	0.033615586	Llriq4
ENSMUSG00000098238.1	49.53721593	-1.051310122	0.018534141	0.033629084	RP24-192J9.1
ENSMUSG00000034786.17	25.20314898	-1.105572902	0.018558341	0.033670751	Gpsm3
ENSMUSG000000028041.17	1059.437163	0.309560705	0.018591943	0.03372947	Adam15
ENSMUSG000000107370.1	14.84865221	-1.58152152	0.018619553	0.03377731	RP23-27D8.2
ENSMUSG000000010175.13	248.7456146	-0.630919646	0.01867269	0.03387145	Prox1
ENSMUSG00000009741.15	3520.696522	-0.505337119	0.018675977	0.033875155	Ubp1
ENSMUSG000000109399.1	6.189662881	2.317994309	0.018687201	0.033893258	RP23-72N8.9

ENSMUSG00000106067.1	297.6436239	-1.089813501	0.018700758	0.033915588	RP23-409D19.1
ENSMUSG00000035093.16	2093.588192	0.734804332	0.018704726	0.033920526	Secisbp2l
ENSMUSG000000082419.3	11304.51143	-0.763672658	0.018714093	0.033935255	RP23-392113.8
ENSMUSG000000052541.16	324.257441	-0.806465884	0.01876305	0.034019501	Fyco1
ENSMUSG000000096687.7	384.5336431	0.520105674	0.018762128	0.034019501	RP24-170A20.3
ENSMUSG00000114707.1	23.54112829	1.009976804	0.018792698	0.034070988	RP23-8G7.5
ENSMUSG000000021933.11	2.8306012	4.860649337	0.018806742	0.034094181	Gucy1b2
ENSMUSG000000051864.10	834.8559242	0.397689457	0.018815432	0.034107665	Tbc1d22a
ENSMUSG000000026483.14	543.4181926	0.776307574	0.018828916	0.034129838	Alkbh7
ENSMUSG00000032846.10	1164.166872	0.456833344	0.018859936	0.034183791	Zswim6
ENSMUSG000000047517.11	2.759901164	-3.969604863	0.018870214	0.034200144	Dmbt1
ENSMUSG000000097203.2	7.935899844	2.451806711	0.018871815	0.03420077	RP23-91H23.2
ENSMUSG00000038782.6	23.8198787	1.12988183	0.018874732	0.034203782	RP23-184D18.7
ENSMUSG00000116793.1	5.611078551	3.243230361	0.018890822	0.034230662	RP23-264M10.2
ENSMUSG000000082329.1	1146.638804	-0.65441149	0.01891616	0.034274296	RP23-169M4.3
ENSMUSG000000060208.5	2.619467673	4.748311339	0.019023725	0.034464609	Defa17
ENSMUSG00000074440.3	2.619467673	4.748311339	0.019023725	0.034464609	Defa3
ENSMUSG00000022123.9	4.502195858	4.536983831	0.019044619	0.034500168	Scel
ENSMUSG00000110525.1	2.087201719	4.428822131	0.019061558	0.034528557	RP24-94F12.7
ENSMUSG000000026483.13	143.2268254	-0.46908141	0.019080022	0.034559705	Fam129a
ENSMUSG00000105415.1	2.908628759	3.857577966	0.019109532	0.034608555	Gm44364
ENSMUSG00000110899.1	6.023445501	2.228676345	0.019108894	0.034608555	RP23-284E19.10
ENSMUSG000000052033.13	2064.070491	-0.581065594	0.019117996	0.034621581	Pfdn4
ENSMUSG000000092212.3	27.78082073	1.012346003	0.019130481	0.034641888	Slc22a13b-ps
ENSMUSG000000082724.3	179.7023974	-0.559330926	0.019182665	0.034734074	RP23-360A2.6
ENSMUSG00000104969.1	8.980636963	-2.191247216	0.019198946	0.034761245	RP23-461P7.1
ENSMUSG000000022952.17	61.37532177	-0.865977772	0.019202419	0.034764398	Runx1
ENSMUSG00000029587.16	901.9989216	0.523475823	0.01920324	0.034764398	Zfp12
ENSMUSG00000025651.14	8162.616971	0.499564888	0.019215536	0.034784347	Uqcrc1
ENSMUSG00000023915.4	1767.193482	0.561398453	0.019221651	0.034793105	Tnfrsf21
ENSMUSG00000049694.13	2.047361639	-4.583760409	0.019245106	0.034833246	RP24-476C7.1
ENSMUSG00000022237.17	36.07223156	-0.983598916	0.019274079	0.034883367	Ankrd33b
ENSMUSG000000020193.3	35.46612619	1.016885794	0.019291665	0.034912877	Zbbp
ENSMUSG00000002486.15	721.19548	0.407682811	0.019306203	0.034936866	Tchp
ENSMUSG000000097882.2	18.24070967	-1.283218584	0.019307998	0.034937794	RP23-47L13.1
ENSMUSG00000111205.1	6.052827947	2.567432515	0.019312973	0.034944475	RP23-187B11.11
ENSMUSG000000004460.17	5531.630558	-0.297782425	0.019322721	0.03495979	Dnajb11
ENSMUSG000000021102.4	3217.118004	0.76672364	0.01933763	0.034984441	Glrx5
ENSMUSG00000101678.3	27.22986759	1.255299926	0.019355654	0.035014723	RP23-154K6.2
ENSMUSG00000107430.1	12.55649184	1.942345111	0.019359586	0.035019511	Pp2d1-ps
ENSMUSG00000030960.16	646.4223341	0.493021679	0.019362175	0.035021869	Mettl10
ENSMUSG000000099102.1	3.93470849	-2.951788071	0.019366161	0.035026754	RP23-327K3.2
ENSMUSG00000048832.8	598.4613754	0.442606211	0.019386773	0.035061705	Vps37c
ENSMUSG00000111162.1	16.57529356	-1.491149745	0.019393465	0.03507148	RP23-115A18.1
ENSMUSG00000101731.1	18.33678367	-1.651712721	0.019395981	0.035073702	RP23-386K20.4
ENSMUSG00000115756.1	4.905487282	2.58333979	0.019419085	0.03511315	RP23-105B9.4
ENSMUSG0000011263.16	46.29236456	-0.917580922	0.019423151	0.03511584	Exoc3l2
ENSMUSG00000090224.1	12.67467283	-1.402779657	0.019422552	0.03511584	RP24-406J8.1
ENSMUSG000000044633.4	4.281161145	2.823379629	0.01944406	0.035151309	RP23-394M6.1
ENSMUSG00000027180.12	4004.219966	-0.378805313	0.019447625	0.035155422	Fbxo3
ENSMUSG00000036931.15	52.2619006	-1.275652156	0.019494163	0.03523721	Nfkbid
ENSMUSG00000098061.1	17.91070487	-1.856191695	0.01950115	0.0352475	RP23-204I16.2
ENSMUSG000000055717.13	570.841555	-0.444467661	0.01950786	0.035257289	Slain1
ENSMUSG00000059939.13	2646.131366	-0.407845591	0.019551975	0.035334676	RP23-139J18.1
ENSMUSG00000020905.11	66.10274758	-0.924388451	0.019562331	0.035351046	Usp43
ENSMUSG00000090036.1	29.79327339	-1.940708408	0.019579238	0.035379253	RP23-386P10.2
ENSMUSG000000083852.1	681.5526186	-0.605638128	0.019604147	0.035421912	RP23-161N17.11
ENSMUSG00000027314.6	20.77991255	1.192451598	0.0196162	0.035441339	Dil4
ENSMUSG000000026304.13	6.053289205	-2.203581123	0.019636505	0.035475673	Rab17
ENSMUSG000000089255.1	27.05122122	-1.073044708	0.019651913	0.035498774	Snora78
ENSMUSG00000097453.1	2.04038249	4.399544265	0.019654504	0.035498774	Gm26894
ENSMUSG00000102895.1	2.04038249	4.399544265	0.019654504	0.035498774	RP24-295G1.2
ENSMUSG00000106175.1	2.04038249	4.399544265	0.019654504	0.035498774	Gm44313
ENSMUSG000000090891.3	5.672203348	2.141048895	0.019673978	0.03553159	RP24-108G5.1
ENSMUSG00000040429.6	307.9350959	0.46373334	0.019680415	0.035540809	Mterf1a
ENSMUSG000000084104.1	395.5747186	-0.550159509	0.019681692	0.035540809	RP23-308K19.1
ENSMUSG00000103885.1	2.633524876	-3.892613119	0.019711403	0.035592101	RP23-446D4.12
ENSMUSG000000070891.2	8.135412515	1.874572578	0.019720493	0.035606155	RP23-59N8.2
ENSMUSG00000038072.14	1445.477696	0.526099324	0.019776577	0.035705051	Galnt11
ENSMUSG00000079608.10	28.62152245	0.946247588	0.019788002	0.035719429	Stard6
ENSMUSG000000083116.1	583.898247	-2.049454724	0.019785871	0.035719429	RP23-176J12.2
ENSMUSG00000107066.2	387.4038416	0.434064675	0.019788474	0.035719429	RP23-46L17.4
ENSMUSG00000022124.15	829.3679818	0.309288527	0.019797919	0.035734109	Fbxl3
ENSMUSG00000039824.4	193.9458185	0.595486657	0.019804311	0.03574091	Myi6b
ENSMUSG000000090468.3	20.704175	-1.162325202	0.019803961	0.03574091	RP23-139J2.1
ENSMUSG00000063328.6	10963.7255	-0.759323322	0.019838422	0.035800099	AC118620.3
ENSMUSG00000116840.1	2.983513237	3.890950549	0.019858983	0.035834829	RP23-80O10.3
ENSMUSG000000064037.13	2500.624282	-0.447824912	0.01988471	0.035878875	Gpn1
ENSMUSG000000046480.6	6.424718742	2.383777179	0.019932631	0.03596296	Scn4b
ENSMUSG00000022221.14	5.469300912	-3.009147975	0.019936412	0.035967399	Ripk3
ENSMUSG000000083723.1	1625.853501	-0.631253969	0.019950625	0.035990658	Rpl23a-ps14
ENSMUSG00000022757.19	3121.877499	0.2589745	0.019956145	0.035998233	Tfg
ENSMUSG00000086050.1	6.442652378	2.102372626	0.019969874	0.036020612	RP23-284L12.1

ENSMUSG00000098158.2	5.512995468	-2.263160724	0.019983846	0.036043427	RP23-387H3.1
ENSMUSG00000028343.10	2216.496889	-0.325751528	0.020018658	0.036103826	Erp44
ENSMUSG000000087445.1	58.17689947	1.679722664	0.020033189	0.03612764	RP23-169M4.4
ENSMUSG000000033365.14	2379.949792	-0.280187739	0.020057461	0.036169017	Ipo13
ENSMUSG000000096006.1	5024.554934	-0.602088592	0.020101152	0.036245406	Gm21596
ENSMUSG00000039737.11	1330.288202	0.521776188	0.020128747	0.036292761	Prkrip1
ENSMUSG000000097197.1	5.880423173	2.493066682	0.020143832	0.036317556	9530027J09Rik
ENSMUSG00000106680.1	7.956700667	1.822866927	0.020172637	0.036367083	RP23-353M5.2
ENSMUSG000000115272.1	1.88762981	-4.465914643	0.020180405	0.036378679	RP23-159L16.7
ENSMUSG00000033739.8	319.0238825	0.564496041	0.020186926	0.036388027	Fkbpl
ENSMUSG00000042371.12	2.730429629	3.769543136	0.020229275	0.03646195	Slc5a10
ENSMUSG000000023262.13	597.9017566	-0.423888785	0.020231849	0.036464177	Acy1
ENSMUSG00000043929.16	442.1125584	0.416829977	0.020236357	0.036469889	Klhl15
ENSMUSG000000031765.8	272.0608453	0.763371328	0.02024627	0.036485341	Mt1
ENSMUSG000000028165.9	2230.497552	0.288162084	0.020286423	0.036555281	Cisd2
ENSMUSG000000021222.9	766.6533532	-0.317334807	0.020299028	0.036575574	Dcaf4
ENSMUSG00000113276.1	5.291718327	2.757577023	0.020301101	0.03657689	RP23-469C2.3
ENSMUSG00000079511.8	51.96154025	0.957255483	0.020312077	0.036594247	RP23-177J21.2
ENSMUSG00000024665.7	5350.272208	-0.697674391	0.020320749	0.036607449	Fads2
ENSMUSG000000036291.6	1374.413174	-0.561417563	0.020335392	0.036631405	Ap5m1
ENSMUSG00000003746.16	283.2142595	-0.73004071	0.020357468	0.036668748	Man1a
ENSMUSG000000091549.1	9373.934326	-0.445244135	0.020380182	0.036707234	RP24-298J16.4
ENSMUSG000000045942.13	10.63703283	1.597111115	0.020392889	0.036727693	RP23-9N7.2
ENSMUSG000000087301.7	3.437197112	-3.411485472	0.020401185	0.036740205	RP23-276I2.1
ENSMUSG00000028013.16	1287.956609	-0.527140483	0.020444913	0.03681652	Ppa2
ENSMUSG000000093649.1	2.913497907	3.866284518	0.020465291	0.036849609	RP24-106J5.3
ENSMUSG000000097567.1	14.87212401	1.68254391	0.020465993	0.036849609	Gm26637
ENSMUSG00000050549.8	68.12927965	0.627672014	0.020468443	0.036851584	RP23-173N16.6
ENSMUSG000000098123.1	30.83896346	-0.947318869	0.020511673	0.036926976	RP24-232F23.2
ENSMUSG00000113364.1	2.983066532	-4.084017515	0.020515217	0.036930915	RP23-39M16.1
ENSMUSG000000064648.2	5.745173981	-2.483772939	0.020523194	0.036942834	Gm23303
ENSMUSG00000103209.1	4.720122918	2.544475112	0.020535778	0.036963043	RP23-21P2.2
ENSMUSG00000078974.10	2641.304803	0.692533122	0.020540184	0.036968532	Sec61g
ENSMUSG000000038651.15	2.284302622	4.558058835	0.020566403	0.037013275	Sycp2
ENSMUSG000000074220.10	169.0395573	-0.681825217	0.020587763	0.037049269	Zfp382
ENSMUSG00000021958.5	607.2866093	-0.646117281	0.020608681	0.037084038	Pinx1
ENSMUSG00000106166.1	7.429445558	-1.761915455	0.020609806	0.037084038	RP23-465A17.7
ENSMUSG000000109525.1	16.29546972	-1.39649197	0.020618213	0.037096716	RP23-352H11.3
ENSMUSG000000065904.1	5.272799366	-2.623871693	0.020687715	0.037219306	Gm26109
ENSMUSG00000102950.1	5.911035904	-2.353689951	0.020700666	0.037240147	RP23-73N8.2
ENSMUSG000000022545.13	725.4252135	-0.473640349	0.020713557	0.037260878	Ercc4
ENSMUSG000000037801.13	2.732773312	3.775062287	0.020729357	0.037286837	Iqch
ENSMUSG00000065750.1	3.748444853	3.267411391	0.020787888	0.037389651	Gm23346
ENSMUSG00000112171.1	4.869144093	-2.675786982	0.020792019	0.037394612	RP24-143P3.4
ENSMUSG00000108795.1	2.187823628	4.488912631	0.020827342	0.037455667	RP24-143L4.3
ENSMUSG000000031832.15	718.1150811	-0.335511933	0.020830108	0.037458169	Taf1c
ENSMUSG000000030275.6	9448.683345	0.52481838	0.020844369	0.037481339	Etnk1
ENSMUSG00000107306.1	5.671083029	2.47956697	0.020846109	0.037481996	RP23-382I10.2
ENSMUSG000000024481.4	2.263220825	4.545009622	0.02085822	0.037501296	Lvrn
ENSMUSG00000058357.2	108.2479959	1.124409938	0.020877423	0.037533343	RP23-229O18.1
ENSMUSG00000112195.1	13.00764053	-1.483478702	0.020879344	0.03753432	RP23-257F18.1
ENSMUSG000000004319.15	6899.299556	-0.503973675	0.020933381	0.037628978	Clcn3
ENSMUSG000000093656.1	4.780854009	2.976290393	0.020967501	0.037687825	RP24-201C14.10
ENSMUSG00000027748.11	70.4760221	-0.835995249	0.020986643	0.037719742	Trpc4
ENSMUSG00000058443.5	25084.56384	-0.645273287	0.020995867	0.037733831	RP23-68E4.3
ENSMUSG000000080885.1	22395.36567	-0.646349111	0.020997509	0.037734292	Rpl10-ps6
ENSMUSG00000101281.1	18.52460896	-1.567537486	0.021016424	0.037765792	RP24-324I23.3
ENSMUSG00000047953.7	4.950507278	2.619758171	0.021030522	0.037788635	Gp5
ENSMUSG000000060093.6	37.06256243	1.061138799	0.021060918	0.03783826	Hist1h4a
ENSMUSG00000113346.2	23.40448286	-1.221205508	0.021060559	0.03783826	Eprn
ENSMUSG00000021704.8	1244.112683	-0.522444281	0.021086211	0.037881203	Mtx3
ENSMUSG00000027790.14	5.807088852	-2.460147072	0.02110813	0.037918079	Sis
ENSMUSG000000046717.5	2.040895209	4.415027496	0.021114107	0.037925627	Igfbp1b
ENSMUSG00000106286.1	30.66793736	-1.656672233	0.021115116	0.037925627	RP24-218M19.4
ENSMUSG00000051255.5	3131.479001	-0.521805525	0.021127865	0.037946025	Gm6563
ENSMUSG00000075000.11	963.1030584	0.329975357	0.021142618	0.037970017	Nrbf2
ENSMUSG00000018398.18	2679.486735	-0.502066911	0.021175237	0.038026092	08_Sep
ENSMUSG000000094215.2	30.12075721	-0.866233273	0.021204465	0.038076069	RP24-142M5.1
ENSMUSG00000024474.6	5587.654594	0.244881507	0.021214795	0.038092107	Ik
ENSMUSG000000097271.1	9.469227625	2.178234064	0.021219237	0.038097572	RP24-490D10.1
ENSMUSG000000059031.3	517.7079837	0.488637132	0.021256961	0.038162787	Olf482
ENSMUSG000000097706.1	4.81657018	2.559613102	0.021329124	0.038289819	RP23-189N8.3
ENSMUSG000000073394.4	2.781904492	3.791725786	0.021337202	0.038301795	Runx2os1
ENSMUSG000000082106.3	9.144615064	2.491295307	0.021357125	0.038335033	Mageb16-ps1
ENSMUSG000000068566.12	1777.597314	-0.522634778	0.021376791	0.038367804	Myadm
ENSMUSG00000102759.1	2.755670207	3.769635831	0.02138107	0.038372956	RP23-415E17.1
ENSMUSG000000097261.2	2.817531632	3.823108095	0.021385146	0.038377744	RP24-150H14.5
ENSMUSG000000017670.16	1813.952615	0.614425003	0.02140121	0.038398445	Elmo2
ENSMUSG000000024471.12	1.991235444	4.36938419	0.021402319	0.038398445	Myot
ENSMUSG00000024680.12	1.991235444	4.36938419	0.021402319	0.038398445	Ms4a2
ENSMUSG000000079355.5	1.991235444	4.36938419	0.021402319	0.038398445	Ackr4
ENSMUSG000000086925.1	3263.094467	-0.655881563	0.021422442	0.038432016	AC119212.1
ENSMUSG00000094686.1	4.464098178	-3.14077889	0.021431631	0.038445969	Ccl21a

ENSMUSG00000087063.1	2.361514917	4.600967754	0.021452768	0.038481353	AC163337.4
ENSMUSG00000024845.17	516.2331086	0.335521802	0.021454669	0.03848223	Tmem134
ENSMUSG000000031447.7	11966.90116	0.255373786	0.021462469	0.038493684	Lamp1
ENSMUSG000000058152.7	35.59259918	1.286015122	0.021481349	0.03852501	Chsy3
ENSMUSG000000071291.10	194.1188872	0.526889581	0.021483637	0.038526578	Zfp58
ENSMUSG000000049606.16	2769.125896	-0.269821345	0.02150445	0.038561364	Zfp644
ENSMUSG000000082888.1	1.927543055	4.312694031	0.021522904	0.038591914	RP23-204N19.7
ENSMUSG000000051041.7	10.84014215	1.675033425	0.021560365	0.03865654	Olfml1
ENSMUSG000000116074.1	57.72702863	-0.907225835	0.021571429	0.038673832	RP24-317B20.4
ENSMUSG000000050359.7	3.26219873	4.02158375	0.021580056	0.038686752	Sprr1a
ENSMUSG000000038580.13	10.65607015	1.602961805	0.021613886	0.03874485	Sct
ENSMUSG0000000030321.15	82.95578983	0.553701106	0.021615995	0.038746081	Efcab12
ENSMUSG000000082532.1	5.156709276	2.311975416	0.021635433	0.038778372	Rpl31-ps6
ENSMUSG000000022035.6	2086.804114	-0.456073149	0.021641541	0.038786767	Ccdc25
ENSMUSG000000040562.12	117.8767378	0.741452381	0.021651894	0.03880277	Gstm2
ENSMUSG000000024271.7	5719.318724	-0.323698406	0.021655036	0.038805846	Elp2
ENSMUSG000000038174.14	1084.597214	0.372420703	0.021666139	0.03882319	Fam126b
ENSMUSG000000061958.5	1.915838248	4.304897626	0.021695199	0.038870148	AC129197.2
ENSMUSG000000114531.1	1.915838248	4.304897626	0.021695199	0.038870148	RP23-368L6.1
ENSMUSG000000091345.9	21.71336793	-1.121721727	0.021732269	0.038934004	Col6a5
ENSMUSG00000016028.10	867.3223235	-0.939700989	0.021734333	0.038935141	Celsr1
ENSMUSG00000001657.7	3.502709623	3.180779	0.021757204	0.03897355	Hoxc8
ENSMUSG000000106301.1	4.769713817	-2.358555813	0.021763994	0.038983151	RP24-512F21.1
ENSMUSG000000070980.4	5.570325573	2.439326223	0.021793416	0.039033282	Actl7b
ENSMUSG000000083655.1	5.627553659	-2.289075194	0.021803864	0.039049429	RP23-358M10.1
ENSMUSG000000062232.14	1949.079657	-0.666301866	0.02182566	0.039085895	Rapgef2
ENSMUSG000000030284.11	2030.250286	0.269031825	0.021832847	0.039095632	Creld1
ENSMUSG000000053604.5	545.1595385	0.359015116	0.021833968	0.039095632	Rpia
ENSMUSG000000113981.1	2.692474671	3.735167923	0.021835612	0.039096006	RP24-69N19.1
ENSMUSG000000060152.14	1526.167657	-0.659089263	0.021860519	0.039138029	Pop5
ENSMUSG000000103430.1	5.822852898	3.930859362	0.021867676	0.03914827	RP23-370F14.2
ENSMUSG000000031429.14	2403.806956	0.601721232	0.021882078	0.03917148	Psmd10
ENSMUSG000000028221.3	2756.840899	-0.270806544	0.021903576	0.039207387	Tmem55a
ENSMUSG000000114977.1	2.613233764	3.70644171	0.021905633	0.039208492	RP24-320A12.6
ENSMUSG0000000089789.1	8.135801165	2.294186482	0.021939398	0.039266348	Rdh1
ENSMUSG000000002885.14	67.26799857	0.865779139	0.021944281	0.039272508	Adgre5
ENSMUSG000000034394.14	18.65753064	-1.50143934	0.021985722	0.039344088	Lif
ENSMUSG0000000030650.18	10.17185048	-1.652830524	0.021994104	0.039356193	Tmc5
ENSMUSG000000106843.1	1.951465388	4.345826443	0.021995376	0.039356193	RP23-387P23.9
ENSMUSG000000098016.1	4.413928237	-2.702247077	0.022048611	0.039448854	RP23-44O19.1
ENSMUSG000000083875.1	444.3110907	-0.566519457	0.022063534	0.039472962	RP23-41I11.6
ENSMUSG000000083908.1	18.21248306	-1.542525607	0.022075561	0.039491885	RP23-185L10.3
ENSMUSG000000113794.1	1.890100816	4.28881901	0.022080891	0.039498827	RP24-155K11.2
ENSMUSG000000035671.6	2201.667124	-0.506934255	0.022091441	0.03951251	Zswim4
ENSMUSG000000104034.1	3.72650961	-2.865840363	0.022090513	0.03951251	RP23-446D4.7
ENSMUSG000000114031.1	2.592422069	-3.855190076	0.022104732	0.039533686	RP24-65K2.5
ENSMUSG000000074646.10	23.60727402	1.000200178	0.022115523	0.039550389	RP23-220D12.11
ENSMUSG000000024570.6	1549.834441	0.598965251	0.022135803	0.039584058	Rbfa
ENSMUSG000000000544.14	6.34899304	-2.354367907	0.022149504	0.039605959	Gpa33
ENSMUSG000000097088.1	3.903747088	3.364936772	0.022154655	0.039612569	Gm26615
ENSMUSG000000067872.2	8.718798144	1.837241672	0.02216266	0.039624282	Ccdc87
ENSMUSG000000030724.7	2.645671308	3.717983481	0.022182311	0.039655557	Cd19
ENSMUSG000000086292.1	6.635909569	2.172368939	0.022183064	0.039655557	CH36-125B10.6
ENSMUSG00000008682.13	18016.5719	-0.658157531	0.022188039	0.039661847	Rpl10
ENSMUSG000000108555.1	2.643327625	3.712163937	0.022190307	0.039663299	RP23-137A24.3
ENSMUSG00000002022.3	126.4094313	-0.584510193	0.022203427	0.039684146	Mtrf1
ENSMUSG000000036565.7	5746.641824	0.783252149	0.022209947	0.039693195	Ttyh3
ENSMUSG000000036721.14	545.6658887	-0.368963638	0.022235421	0.039733508	Zscan12
ENSMUSG000000079415.2	7.733173703	-1.70443121	0.022233992	0.039733508	Cntf
ENSMUSG00000006176.4	194.0762316	-0.759312024	0.022257948	0.039771154	Kif27
ENSMUSG000000028158.14	353.9713441	0.668447462	0.022263235	0.039772869	Mttp
ENSMUSG000000097321.5	22.35948808	1.153284345	0.022263288	0.039772869	RP24-343A12.1
ENSMUSG000000112227.1	3.864558974	-2.949371233	0.022261817	0.039772869	RP24-377N13.1
ENSMUSG0000000033219.8	3.064308165	3.958262254	0.022308287	0.039850645	AC144480.1
ENSMUSG000000069132.3	2.805826825	3.817392045	0.02231735	0.039864221	Nxph2
ENSMUSG00000017767.3	3.795956324	3.31445172	0.022323935	0.039873369	Spata25
ENSMUSG000000085998.8	61.78554884	0.794632981	0.022329013	0.039879826	RP23-451C8.1
ENSMUSG000000036825.12	1633.141075	-0.414815542	0.022341611	0.039899709	Ssx2ip
ENSMUSG000000035283.4	56.17273363	0.759381388	0.022350951	0.039913773	Adrb1
ENSMUSG000000102951.1	1.972874968	-4.520463060	0.022371241	0.039947387	RP24-386D8.2
ENSMUSG000000041872.9	8.204983625	1.898260183	0.022375141	0.039951732	Il17f
ENSMUSG000000036376.3	1086.276249	-0.653999974	0.022385121	0.039966933	Abt1
ENSMUSG000000107484.1	50.05876456	-0.758148942	0.022399331	0.039989684	RP23-216B19.2
ENSMUSG000000025579.14	1789.664091	0.400087838	0.022400916	0.039989893	Gaa
ENSMUSG000000024098.5	4014.411986	-0.452606213	0.022408226	0.040000321	Twsg1
ENSMUSG000000072762.9	311.5488845	-0.442950041	0.022413173	0.04000653	AC162689.1
ENSMUSG000000112732.1	2.586769109	-3.870567595	0.022430967	0.040034687	RP23-166F14.8
ENSMUSG000000113441.1	1.866691202	4.273042544	0.022431887	0.040034687	RP23-311G21.1
ENSMUSG000000002140.15	42.94631899	1.091669878	0.022439325	0.040045339	Lgr5
ENSMUSG000000081329.1	42.26831008	-1.066910418	0.022459236	0.040078247	RP23-9F18.5
ENSMUSG000000049551.2	203.9730006	-0.400295098	0.022483041	0.040118097	Fzd9
ENSMUSG000000073434.11	1008.047152	-0.557620042	0.022510092	0.040163736	Wdr90
ENSMUSG000000074342.3	1.916350966	4.322994832	0.022540838	0.040215962	AC121847.1

ENSMUSG00000103216.1	19.03383076	1.320908917	0.022550065	0.040229789	RP24-490B17.5
ENSMUSG00000087565.1	10.34271125	-1.49161684	0.022607162	0.040329009	RP23-174O19.2
ENSMUSG00000081600.3	66.30110759	-0.82611352	0.022618801	0.040344488	RP23-314K19.1
ENSMUSG00000010429.1	10.44945925	-1.661399751	0.022618338	0.040344488	RP23-290L7.1
ENSMUSG000000114725.1	1.757975976	-4.357696282	0.02263573	0.040372041	RP23-185N21.1
ENSMUSG00000045140.8	801.3027821	-0.400963944	0.022642266	0.040381055	Pigw
ENSMUSG00000035493.10	9.126796831	1.932907192	0.022660776	0.040411123	Tgfb1
ENSMUSG00000092599.1	1.964985294	4.336863059	0.022663576	0.040411123	RP23-300L8.1
ENSMUSG000000106056.1	1.964985294	4.336863059	0.022663576	0.040411123	RP23-400D9.3
ENSMUSG00000038773.11	3205.156063	-0.815164536	0.022672977	0.04042524	Kdm3b
ENSMUSG00000058281.1	2.264246262	4.567496858	0.022682598	0.040439746	Gm10038
ENSMUSG000000026317.7	965.3982242	-0.38247791	0.022687067	0.040445067	Cln8
ENSMUSG00000067438.5	24.57045343	1.196627395	0.022690002	0.040447653	Hmx1
ENSMUSG000000114482.1	24.22975705	1.090139833	0.022720749	0.040499813	RP23-412N8.3
ENSMUSG000000075705.12	445.9614321	0.648100792	0.022745703	0.04054164	Msrb1
ENSMUSG000000112471.1	7.011175088	-1.792499254	0.02274799	0.040543064	RP23-288I20.5
ENSMUSG00000027454.10	884.556261	-0.515868638	0.022753552	0.040550324	Gins1
ENSMUSG000000051390.9	948.3453969	0.332026336	0.022775309	0.040584941	Zbtb22
ENSMUSG00000075701.9	2035.813522	0.479503101	0.022775955	0.040584941	Vimp
ENSMUSG000000082709.1	101.5208805	0.569703081	0.022781877	0.040592837	RP23-454N16.5
ENSMUSG00000021963.17	3205.560316	0.575929022	0.022810533	0.040640667	Sap18
ENSMUSG000000031960.14	16319.68566	-0.345121015	0.022811704	0.040640667	Aars
ENSMUSG000000010609.15	504.8258036	0.460766424	0.022833854	0.040676118	Psen2
ENSMUSG000000020184.15	2492.771752	-0.44313485	0.022834589	0.040676118	Mdm2
ENSMUSG000000037463.14	38.42158355	0.847114177	0.022843867	0.040687325	Fbxo27
ENSMUSG000000053746.8	147.345243	0.55246555	0.022843638	0.040687325	Pthr1
ENSMUSG000000106365.1	1.746287034	-4.349740919	0.022848859	0.040690895	RP23-1A12.5
ENSMUSG000000115109.1	1.746287034	-4.349740919	0.022848859	0.040690895	RP23-478G5.2
ENSMUSG000000037674.15	3040.683641	-0.618170184	0.022855552	0.040700153	Rfx7
ENSMUSG000000017405.14	286.0139146	0.381752225	0.022867697	0.040719119	Nek8
ENSMUSG000000090703.7	51.47508561	-1.007456675	0.022891943	0.040759628	RP23-46B12.5
ENSMUSG000000105676.1	5.195318349	2.286630207	0.022901976	0.040774827	RP24-380C2.2
ENSMUSG000000115224.1	80.99366553	-0.571114764	0.022903618	0.040775086	RP23-470I4.9
ENSMUSG000000100794.1	3.28143869	-3.226904198	0.022914042	0.040790978	RP24-369P14.1
ENSMUSG000000100572.1	2.549975135	-3.858385127	0.02292464	0.040807177	RP24-144E8.1
ENSMUSG000000034652.12	10.67179714	1.747091452	0.022938299	0.040828823	Cd300a
ENSMUSG00000006289.14	1026.213392	-0.436215351	0.022945995	0.040839853	Osgep
ENSMUSG000000030123.15	748.4855805	-0.671773738	0.022962577	0.040866696	Plxnd1
ENSMUSG00000011606.1	1.739586922	-4.34508777	0.022972541	0.040881758	RP23-35O24.1
ENSMUSG000000043484.3	506.9184933	0.398096306	0.023001837	0.040931219	RP23-114M24.2
ENSMUSG00000006948.7	1.829248963	4.24879507	0.023026839	0.040967682	Klk4
ENSMUSG000000047730.17	1.829248963	4.24879507	0.023026839	0.040967682	Fcgbp
ENSMUSG000000067604.8	1.829248963	4.24879507	0.023026839	0.040967682	Nms
ENSMUSG000000097027.2	26.43481875	0.931596072	0.023031269	0.040972887	RP24-195M20.6
ENSMUSG000000112317.1	8.285834819	-2.236681336	0.02308197	0.041060404	RP23-383C2.4
ENSMUSG000000044086.8	3.462186684	5.158346938	0.023098901	0.041087839	Lmod3
ENSMUSG000000029440.15	1651.845627	0.587539721	0.023125631	0.041132701	Psmid9
ENSMUSG000000074024.5	205.8383647	0.747816456	0.023211281	0.041282347	AC104921.1
ENSMUSG000000103905.1	57.86091225	-0.735775984	0.023213527	0.041283646	RP23-347F4.3
ENSMUSG000000045609.6	151.8038844	-0.442002585	0.023249546	0.041345006	RP23-273G24.1
ENSMUSG000000068921.14	3666.85951	0.454409919	0.023271028	0.041380506	Dap3
ENSMUSG000000070933.10	2.139702019	4.485918101	0.023282598	0.041398377	Speer4d
ENSMUSG000000030641.10	477.6267711	-0.532807717	0.023294041	0.04141666	Ddias
ENSMUSG000000105912.1	2.816506195	3.793517016	0.023299821	0.041423593	RP24-482F14.1
ENSMUSG00000007817.15	2918.122685	0.842439154	0.023303086	0.041426695	Zmiz1
ENSMUSG000000022074.6	5.742396072	2.836708115	0.023308924	0.04143437	Tnfrsf10b
ENSMUSG000000033268.8	4.10431267	-3.06719344	0.023313849	0.04144042	Duox1
ENSMUSG000000033790.11	1324.021652	-0.435453216	0.023315441	0.041440547	Tubgcp5
ENSMUSG000000034792.8	4.903708215	-2.432076797	0.02332294	0.041451169	Gna15
ENSMUSG000000105201.1	97.25116187	0.908580401	0.023332366	0.041465217	RP24-68G17.3
ENSMUSG000000097877.2	6.707472523	2.191472335	0.023334204	0.041465779	RP23-102H7.11
ENSMUSG000000067713.7	970.5688876	0.308471303	0.023366464	0.041520398	Prkag1
ENSMUSG000000098431.1	3.076786769	3.925948697	0.023377544	0.041537376	Mir7666
ENSMUSG000000087461.2	8.892076675	2.012544342	0.023389342	0.041555628	RP23-241O13.2
ENSMUSG000000029029.14	542.5062513	0.417666745	0.023406094	0.041582681	Wrap73
ENSMUSG000000085111.3	8.766050529	1.988490817	0.023418348	0.041601736	Ascl4
ENSMUSG000000087632.1	22.61045853	2.392560456	0.023420242	0.041602389	AC119897.2
ENSMUSG0000000081196.1	3.793365714	-2.890009571	0.023433572	0.041623353	RP23-83K15.4
ENSMUSG000000059395.4	79.07991662	0.905136417	0.023517492	0.04176969	Nkapl
ENSMUSG000000020962.14	2366.940028	0.385229078	0.023579184	0.041876533	Gtf2a1
ENSMUSG000000020892.10	32.31042251	1.311011068	0.023585424	0.041884884	Aloxe3
ENSMUSG000000092552.1	11.31062646	-1.716435511	0.023593649	0.041896759	RP23-141K11.14
ENSMUSG000000041570.14	3773.676142	0.690104248	0.023624296	0.041948447	Camsap2
ENSMUSG000000042043.6	4365.869637	0.751921861	0.023639127	0.041971736	Tbca
ENSMUSG000000116778.1	5.133613819	-2.205145412	0.023640493	0.041971736	RP24-426N11.8
ENSMUSG000000028979.17	92.49165946	0.918749464	0.023648639	0.041983462	Masp2
ENSMUSG000000105691.1	6.880364135	2.193462727	0.023665755	0.04201111	RP23-447N11.5
ENSMUSG000000030247.9	15.12797319	-1.32695929	0.023684046	0.042040841	Kcnj8
ENSMUSG0000000893748.1	11.16588977	-1.94304967	0.023723887	0.042108817	RP24-170C14.1
ENSMUSG000000113625.1	21046.51872	-0.633142187	0.023743585	0.042141035	RP24-122E10.1
ENSMUSG000000029605.16	5.910652581	2.500512424	0.023749502	0.042148791	Oas1b
ENSMUSG000000044217.17	16.62727821	-1.199732719	0.023752857	0.042151999	Aqp5
ENSMUSG000000029924.12	2314.289024	0.365651523	0.023772229	0.042183628	Slc37a3

ENSMUSG00000083460.1	17.91378348	-1.152409927	0.023784191	0.042202106	RP23-273N19.1
ENSMUSG00000016918.15	4390.983039	-0.487878273	0.023793168	0.042215286	Sulf1
ENSMUSG00000056632.7	6.409278186	-2.381460101	0.023801473	0.042227271	Dsg3
ENSMUSG00000106384.1	3.387018779	-3.395882507	0.023807465	0.04223515	RP24-399A15.3
ENSMUSG00000029134.14	6.467333722	1.866650819	0.023822001	0.042258185	Plb1
ENSMUSG00000108655.1	24.86813731	1.216278749	0.023830648	0.042270772	RP24-259P13.2
ENSMUSG00000031453.16	458.2969895	0.468152378	0.0238363	0.042278044	Rasa3
ENSMUSG00000053164.6	82.73989774	0.847580005	0.023872346	0.042339222	Gpr21
ENSMUSG000000031441.15	1452.158666	0.743119847	0.023883517	0.042356277	Atp11a
ENSMUSG00000096937.1	23.06898955	-1.341805382	0.023888116	0.042361676	RP23-91L18.2
ENSMUSG00000034881.8	6.179182208	2.020577921	0.023903121	0.042385525	Tbxa2r
ENSMUSG00000096658.2	2.794122018	3.811401525	0.023916544	0.042406567	Vmn2r39
ENSMUSG00000086409.3	11.91422495	-1.333631094	0.023936046	0.042438384	AC153638.1
ENSMUSG00000027006.13	5626.378569	-0.358299036	0.023954044	0.042467531	Dnajc10
ENSMUSG00000114296.1	2.486146119	-3.781785421	0.023990179	0.042528826	RP24-122H16.2
ENSMUSG000000096519.1	4.67717805	2.954190805	0.024035167	0.042605806	Gm10721
ENSMUSG00000030544.5	1.880929697	-4.46120861	0.02404322	0.042614535	Mesp1
ENSMUSG00000030613.13	948.6425835	0.438869334	0.0240421	0.042614535	Ccdc90b
ENSMUSG00000083107.1	296.9611457	-0.402072591	0.02405267	0.04262851	RP23-23C4.3
ENSMUSG00000021376.11	656.3195799	0.32076287	0.024059875	0.042635732	Tpmt
ENSMUSG00000085327.1	8.945891912	-1.860127656	0.024058806	0.042635732	AC155937.7
ENSMUSG00000095251.1	2.176085019	-4.661231957	0.024099776	0.042703662	RP23-242N11.11
ENSMUSG000000077334.1	8.83698748	2.021009925	0.024168155	0.042822041	2700012120Rik
ENSMUSG00000114798.1	179.2305659	-0.724143399	0.024187736	0.042853948	RP24-446P12.4
ENSMUSG00000020070.18	1615.150852	0.60115265	0.02419131	0.042857494	Rufy2
ENSMUSG00000038598.9	2.768151674	-3.978610961	0.024224016	0.042912644	RP23-211P15.6
ENSMUSG00000078671.11	2545.128629	-0.508094301	0.024237238	0.042933276	Chd2
ENSMUSG00000109714.1	16.59450599	1.744194706	0.024245717	0.042945502	RP24-348E18.1
ENSMUSG00000045318.6	30.362496	0.928404303	0.024269968	0.042983387	Adra2c
ENSMUSG00000007049.1	1.976690101	4.345118443	0.024270261	0.042983387	Bach2it1
ENSMUSG00000003673.10	685.1383315	-0.784421428	0.024277994	0.042994287	Sbno2
ENSMUSG00000051147.10	101.9135265	-0.571451953	0.024289147	0.043011242	Nat2
ENSMUSG00000108858.1	33.83303094	-0.856865812	0.02429715	0.043022617	RP23-152P20.4
ENSMUSG00000103899.1	2.861043265	-4.029445867	0.024302556	0.043029392	RP23-251N15.2
ENSMUSG00000029015.9	5.97353666	-2.498336758	0.02431174	0.043042856	Slc26a5
ENSMUSG00000025538.15	415.7038791	0.418598683	0.024323569	0.043061	Sumf2
ENSMUSG00000064994.1	2.786540728	-3.987210566	0.024331358	0.043066392	Gm22422
ENSMUSG000000069305.3	26.25424625	1.094194634	0.024329529	0.043066392	Hist1h4n
ENSMUSG00000109927.1	4.658187246	3.569516568	0.024331033	0.043066392	RP23-378E4.1
ENSMUSG00000044791.16	4180.811029	-0.666901389	0.024358384	0.043111429	Setd2
ENSMUSG00000038560.7	18.55468349	1.080836451	0.024366135	0.043122345	Sp6
ENSMUSG00000005705.10	3.563048757	3.187975288	0.024370425	0.043127135	Agrp
ENSMUSG00000026511.7	2594.435166	0.582437151	0.024392375	0.043163175	Srp9
ENSMUSG00000048096.7	6.027780216	2.266137804	0.024395687	0.043166232	Lmod1
ENSMUSG00000054612.4	53.0640704	-0.797561344	0.024430545	0.043225103	Mgmt
ENSMUSG00000102179.1	4.498392567	-2.743477958	0.024442014	0.043242587	RP23-114N13.3
ENSMUSG00000085888.7	4.276804716	2.845182635	0.024449028	0.043252186	RP23-297J14.2
ENSMUSG00000001964.14	5558.147542	0.602602697	0.024455454	0.043260745	Emd
ENSMUSG00000092193.1	82.35125058	-0.656677019	0.024467441	0.04327914	Cd9-ps
ENSMUSG00000024241.6	1895.360064	0.664673159	0.024477059	0.043293341	Sos1
ENSMUSG00000020196.10	2422.726627	-0.790104744	0.024494614	0.043321578	Cabin1
ENSMUSG00000053310.11	52.86936535	-0.92048298	0.024506636	0.043340027	Nrgn
ENSMUSG00000091685.6	4.078976532	3.461683938	0.024516307	0.043354316	RP24-530L11.1
ENSMUSG00000050395.8	1.852658577	4.264737083	0.024539468	0.043388177	Tnfsf15
ENSMUSG00000079262.3	2.575791525	3.688758186	0.024540233	0.043388177	Slco1a6
ENSMUSG00000086676.2	1.852658577	4.264737083	0.024539468	0.043388177	RP23-207B22.1
ENSMUSG000000069712.5	2.529874798	-3.84831493	0.024633508	0.043550264	RP23-193J20.3
ENSMUSG00000000339.14	2363.599364	0.478575684	0.02467274	0.043616793	Rtca
ENSMUSG00000043621.13	3.56974887	3.179519275	0.024677078	0.043621631	Ubxn10
ENSMUSG00000104696.1	1.953280487	4.329579648	0.024681851	0.043625703	RP23-354G14.1
ENSMUSG00000106062.1	10.08628771	1.747645042	0.024682584	0.043625703	RP23-382L1.4
ENSMUSG00000040601.13	2.413621189	-3.770103857	0.024703283	0.043659304	Nlrp4a
ENSMUSG00000110498.1	1.942088398	4.338398922	0.0247048	0.043659304	RP23-312B17.3
ENSMUSG00000116253.1	1.751275863	-4.353096601	0.024710197	0.043666008	RP23-128J3.2
ENSMUSG00000032216.14	39034.23312	-0.791642749	0.02471528	0.043672158	Nedd4
ENSMUSG00000050296.14	4.668527292	2.942456488	0.024724881	0.043686289	Abca12
ENSMUSG00000101579.1	179.9218531	-0.722036279	0.024730485	0.043693358	RP24-413A18.2
ENSMUSG000000098374.1	45.57008567	-1.066579529	0.024737003	0.043702038	RP24-271E12.5
ENSMUSG00000005043.13	521.1812118	0.384599915	0.02475768	0.043735732	Sgsh
ENSMUSG00000090665.2	2.989982922	4.963093118	0.024772125	0.043758411	Gad1-ps
ENSMUSG00000111974.1	4.10785641	-3.006370707	0.024802231	0.043808751	RP23-246F14.2
ENSMUSG00000108874.1	38.62282861	1.172612396	0.024829216	0.043853573	RP23-34O23.2
ENSMUSG00000005150.16	753.8606954	0.421887699	0.024832156	0.043855922	Wdr83
ENSMUSG00000086284.1	3.001687729	4.968366032	0.024843466	0.043873053	Frmppd1os
ENSMUSG000000083793.1	264.1195733	-0.901397526	0.024849896	0.043881563	RP23-358H19.1
ENSMUSG00000036352.16	2033.241343	0.448521943	0.024860889	0.043892439	Ubac1
ENSMUSG00000097172.1	1.90413344	4.297536217	0.024860386	0.043892439	4930444M15Rik
ENSMUSG00000106010.1	2.173791004	4.482359082	0.024857955	0.043892439	RP24-296L6.2
ENSMUSG000000025359.10	140.7813522	-0.53262616	0.024881671	0.043926284	Pmel
ENSMUSG00000052397.8	6963.335636	-0.403334462	0.024893849	0.043944935	Ezr
ENSMUSG00000112234.1	10.88533527	1.676707106	0.024898004	0.043949423	RP24-447J10.1
ENSMUSG000000067577.8	2.674598336	3.751488065	0.024915184	0.043976898	RP23-404I24.3
ENSMUSG00000108341.1	4.872950223	-2.477588392	0.024949934	0.044035382	RP23-352D23.1

ENSMUSG00000097945.1	4.58235598	-2.629639937	0.025010128	0.04413876	RP23-214I13.2
ENSMUSG00000033688.10	10.01324529	1.662311273	0.025036468	0.044182385	RP23-217J11.1
ENSMUSG00000029322.12	7.097205139	-1.950669919	0.025071986	0.044242197	Plac8
ENSMUSG00000028139.5	8.381551568	1.594938111	0.025116721	0.04431762	Rliad1
ENSMUSG00000037344.14	1236.530384	0.303947391	0.025117981	0.04431762	Slc12a9
ENSMUSG00000114962.1	40.23593343	-1.322400499	0.025141579	0.044356382	RP23-62M8.1
ENSMUSG00000072421.4	3961.647632	-0.366622476	0.025145049	0.044359631	RP24-491A6.1
ENSMUSG00000037247.3	1.817544156	4.240645392	0.025174574	0.044408841	Pldi
ENSMUSG000000067321.5	3323.891438	-0.363256288	0.025188473	0.04443006	AC117724.1
ENSMUSG00000070544.6	11220.80019	-0.364376379	0.025189864	0.04443006	Top1
ENSMUSG00000044627.11	4841.415358	0.464897748	0.025193661	0.04443388	Swi5
ENSMUSG00000019856.14	117.1260705	0.602215439	0.025203828	0.044448935	Fam184a
ENSMUSG00000102143.1	34.29774457	-1.439390368	0.025218142	0.044471299	RP23-79K5.3
ENSMUSG00000015451.16	137.0070015	0.654155719	0.025235838	0.044499624	C4a
ENSMUSG00000022637.11	1280.345606	-0.800095973	0.025250218	0.044519218	Cblb
ENSMUSG000000050957.4	77.29280022	0.852115279	0.025249045	0.044519218	Insl6
ENSMUSG00000052293.14	15.06061061	-1.747752007	0.025254262	0.044523467	Taf9
ENSMUSG00000095754.1	1.88264098	-4.462349345	0.025286953	0.044578217	Spin2f
ENSMUSG00000109398.2	218.0408343	0.436760951	0.025298439	0.044595579	RP23-143D11.2
ENSMUSG00000116308.1	2.594196445	3.694464327	0.02531932	0.0446295	RP23-422H17.5
ENSMUSG00000108170.1	2.704692197	3.757021755	0.025324184	0.044635186	RP23-92M3.4
ENSMUSG00000021932.13	1065.401887	-0.58595495	0.025371251	0.044715251	Rnaseh2b
ENSMUSG00000058626.16	5.046469164	3.780230527	0.025373913	0.044717049	Capn11
ENSMUSG000000090121.10	2.587496332	3.694456538	0.025380424	0.044725629	Abhd12b
ENSMUSG00000103961.1	1.904646159	4.314765364	0.025385617	0.044726102	RP24-240J15.1
ENSMUSG00000112596.1	16.70262484	1.572560118	0.025384459	0.044726102	RP23-345J24.2
ENSMUSG00000113121.1	1.904646159	4.314765364	0.025385617	0.044726102	RP23-96D5.3
ENSMUSG00000020594.14	8585.482095	-0.487192858	0.025421842	0.044787028	Pum2
ENSMUSG00000094594.2	116.5389215	-0.881670907	0.025426527	0.044792386	RP23-205D7.3
ENSMUSG00000109830.1	16.81473132	-1.57790441	0.02542984	0.044795325	RP24-235N21.3
ENSMUSG00000107937.1	37.27352139	-0.817224673	0.025434304	0.044800291	RP23-89P21.4
ENSMUSG00000083160.1	1.769664917	-4.365838105	0.025438926	0.044805537	AC109225.4
ENSMUSG00000085749.1	3.821693756	3.322882272	0.025495767	0.044902746	RP23-322K15.2
ENSMUSG00000058402.14	439.2077307	-0.602537885	0.025500013	0.044907322	Zfp420
ENSMUSG00000025475.17	2.015157777	4.398837484	0.025523389	0.044945582	Adgra1
ENSMUSG00000029920.9	3247.693449	-0.454269249	0.025545763	0.044982074	Smarcad1
ENSMUSG00000089931.1	131.8780713	-0.464397898	0.025566652	0.045015948	RP24-483K3.6
ENSMUSG00000105522.1	364.7404518	0.710263322	0.025591418	0.045056641	AC127252.1
ENSMUSG00000084864.1	1.901805623	4.297134633	0.025612597	0.045091015	AL592169.2
ENSMUSG00000026009.14	5.914762997	3.395788475	0.025744229	0.045319824	Icos
ENSMUSG00000110759.1	5.844842549	2.84185525	0.025767586	0.045358011	RP23-187B11.6
ENSMUSG00000000374.8	1472.00348	0.688875446	0.025776506	0.04537078	Trappc10
ENSMUSG00000089105.1	1.752987146	-4.354450744	0.025791739	0.045394661	Gm23115
ENSMUSG00000064288.4	36.98835795	1.065078227	0.025802411	0.04541051	Hist1h4k
ENSMUSG00000006360.11	22.70611523	-1.11467818	0.025877164	0.045536186	Crip1
ENSMUSG00000015597.16	2133.925972	0.409079367	0.025876764	0.045536186	Zfp318
ENSMUSG00000032251.12	1395.143442	-0.405960444	0.025909202	0.04558962	Irak1bp1
ENSMUSG00000106214.1	9.448954383	1.779756335	0.025926975	0.045617945	RP23-195A18.3
ENSMUSG00000079419.4	2.002427533	4.361752698	0.025943269	0.04564072	Ms4a6c
ENSMUSG00000103308.5	2.002427533	4.361752698	0.025943269	0.04564072	RP24-286C21.1
ENSMUSG00000048826.6	428.9938806	-0.408567469	0.025953576	0.045651134	Dact2
ENSMUSG00000066958.1	41.34106712	-0.794901674	0.025952952	0.045651134	RP23-364G1.1
ENSMUSG000000082208.1	7.112376731	1.817016221	0.025954216	0.045651134	RP23-252K7.5
ENSMUSG00000021241.7	814.4979732	0.336812121	0.025970102	0.045676126	Isca2
ENSMUSG00000079101.3	409.4847934	0.56424665	0.025977349	0.045685923	RP24-211P18.2
ENSMUSG00000027886.7	5.353177779	2.361918554	0.025983334	0.04569055	RP23-128G10.1
ENSMUSG00000113873.1	4.487336493	3.516044834	0.025982905	0.04569055	RP23-360H5.6
ENSMUSG00000054181.11	8.449071803	1.591805539	0.025985778	0.045691896	RP23-271B15.4
ENSMUSG00000109642.1	9.637515554	1.817729176	0.026001586	0.045716743	RP24-95N3.3
ENSMUSG00000039865.8	4.915883985	-2.698375454	0.026009428	0.04572758	Slc44a3
ENSMUSG00000104923.1	492.14672	0.54671326	0.026034232	0.045768233	RP24-137F10.1
ENSMUSG00000040770.5	5.264939592	2.723299807	0.026045818	0.045785647	Il25
ENSMUSG00000102148.1	1.875940868	-4.457851332	0.02608348	0.045845936	RP23-329B6.2
ENSMUSG00000103753.1	1.875940868	-4.457851332	0.02608348	0.045845936	RP24-490B17.3
ENSMUSG00000041164.15	5281.36669	0.581149053	0.0261373	0.045937569	Zmiz2
ENSMUSG00000062101.12	272.67047	-0.4313645	0.02614373	0.045945906	Zfp119b
ENSMUSG000000064369.1	5.681658584	2.474339339	0.026154802	0.045959435	mt-Te
ENSMUSG000000090963.2	152.5333135	-0.747268147	0.026153862	0.045959435	RP23-316L10.3
ENSMUSG00000059005.13	13246.5243	-0.321779924	0.026171924	0.045986555	Hnrmpa3
ENSMUSG00000087679.2	682.0495956	-0.312275737	0.026175866	0.045990515	RP23-325E4.5
ENSMUSG00000038722.17	4691.33314	0.748350677	0.026178207	0.045991663	Bud31
ENSMUSG00000020263.14	618.5665044	0.619386531	0.026181769	0.045994954	App12
ENSMUSG00000069540.4	9.511632432	1.704423844	0.026186258	0.045999874	RP23-64B8.3
ENSMUSG00000081845.1	26.55435829	0.94079694	0.026190752	0.046001836	Prkaca-ps1
ENSMUSG000000090718.1	1.734598092	-4.341667958	0.026190271	0.046001836	Gm17376
ENSMUSG00000021767.18	1045.348951	0.772833622	0.026201989	0.046012673	Kat6b
ENSMUSG00000039481.5	133.0984388	1.062016158	0.026201565	0.046012673	Nlrtn
ENSMUSG000000097244.1	2.098906526	4.437415616	0.026200805	0.046012673	RP23-210I20.4
ENSMUSG000000050973.6	5983.392912	0.321203716	0.026256497	0.04610542	Rcn1
ENSMUSG00000020171.8	2959.756741	0.392507885	0.026287118	0.04615324	Yeats4
ENSMUSG00000048709.6	893.0149612	-0.434200266	0.026285924	0.04615324	RP23-252K7.6
ENSMUSG00000039048.15	1241.234788	-0.341542341	0.026293834	0.046156403	Foxred1
ENSMUSG00000070999.2	2.127997212	4.478133793	0.026294003	0.046156403	Ccin

ENSMUSG00000108970.1	2.127997212	4.478133793	0.026294003	0.046156403	W11-648A4.1
ENSMUSG00000006488.17	2.061977006	4.427934029	0.026332992	0.046221867	Pr17a1
ENSMUSG000000085007.2	6.557662123	-1.939840635	0.026349781	0.046248355	RP23-336M6.2
ENSMUSG00000008786.9	346.0750464	-0.500468577	0.026380147	0.04629867	AC157561.9
ENSMUSG00000006205.13	241.8842536	-0.617213235	0.026396795	0.046324904	Htra1
ENSMUSG00000097533.2	16.18077621	1.261877519	0.026438697	0.046395451	RP23-6I8.4
ENSMUSG00000029276.13	1340.727005	0.360664471	0.026443823	0.04640011	Glmn
ENSMUSG00000043671.14	1073.984942	-0.62138732	0.026444758	0.04640011	Dpy19I3
ENSMUSG000000114902.1	15.04533139	1.38890398	0.026453071	0.046411706	RP23-38F20.2
ENSMUSG00000087485.1	2.777248858	3.790975305	0.026473948	0.046445344	RP23-112F5.1
ENSMUSG00000097804.1	1.721197867	-4.332208556	0.026487089	0.046465406	RP23-129D21.1
ENSMUSG000000085201.1	1.854986394	4.265231745	0.02651445	0.046507414	Nr6a1os
ENSMUSG00000093772.1	1.854986394	4.265231745	0.02651445	0.046507414	RP23-187N14.2
ENSMUSG00000043029.2	8.994196765	-1.586594027	0.026549984	0.046566744	Trpv3
ENSMUSG00000028293.14	2042.527332	-0.362096575	0.026552348	0.046567892	Slc35a1
ENSMUSG000000103725.1	3.28418126	-3.316088529	0.026588199	0.046627767	RP24-422L17.2
ENSMUSG00000109638.1	4.582015474	-3.256988613	0.026607597	0.046658781	RP23-56A14.14
ENSMUSG00000064380.1	15.36981442	-1.775390912	0.026611286	0.046662246	Gm26448
ENSMUSG00000073158.4	65.63522772	0.797647929	0.026634003	0.046699074	RP23-6A9.2
ENSMUSG000000031168.14	689.8354374	0.522790276	0.026638508	0.046703967	Ebp
ENSMUSG00000052752.15	3202.260759	-0.432691245	0.026700445	0.046807615	Traf7
ENSMUSG000000115305.1	2.040661527	-4.578954399	0.026701062	0.046807615	RP23-309M3.1
ENSMUSG000000051176.6	3.103301941	-3.160539074	0.026705374	0.046812162	Zfp42
ENSMUSG00000093178.1	18.40880697	-1.198013729	0.026707688	0.046813205	Snord87
ENSMUSG00000061894.15	325.5287749	-0.568541322	0.026755729	0.046894395	Zscan20
ENSMUSG00000097790.1	12.59270205	1.820923049	0.026852288	0.047060604	RP24-123112.1
ENSMUSG00000020537.9	3513.049975	-0.338252263	0.026871329	0.047090945	Drg2
ENSMUSG00000021832.8	6806.720152	-0.292175706	0.026904717	0.047146424	Psmc6
ENSMUSG00000018547.8	4749.168038	0.577547977	0.026920794	0.047171562	Pip4k2b
ENSMUSG00000073468.11	839.531854	0.324814942	0.026925626	0.047176994	Sft2d1
ENSMUSG000000020397.15	2169.855285	0.477275664	0.026942311	0.047203193	Med7
ENSMUSG00000022911.11	548.4260146	-0.604059298	0.026949826	0.047213322	Arl13b
ENSMUSG00000096356.3	6.73435229	-2.054482441	0.026962868	0.047233133	Olfir889
ENSMUSG00000109739.1	2.607716351	3.683018505	0.027017689	0.047326123	RP24-116C19.5
ENSMUSG000000081277.1	173.8111055	-0.408210495	0.027030433	0.047342359	RP24-364117.1
ENSMUSG00000105184.1	2.891390673	3.830275244	0.027029201	0.047342359	RP23-219K16.1
ENSMUSG00000105731.1	2.476984714	3.621750754	0.02703439	0.047346245	RP24-409D4.3
ENSMUSG000000079111.3	3333.824962	0.334115817	0.027065696	0.047398025	Kdelr2
ENSMUSG00000041556.8	149.0150702	0.672189593	0.027085755	0.047430105	Fbxo2
ENSMUSG00000114162.1	106.7778612	-0.522956001	0.02708914	0.047432983	RP23-129G17.6
ENSMUSG00000109057.1	48.65138795	-0.919295976	0.027095267	0.047440662	RP24-189K3.2
ENSMUSG00000107667.2	3.3965703	3.116098695	0.027111392	0.047465844	RP23-210L10.2
ENSMUSG00000073018.5	2.879701731	3.830316449	0.027119605	0.047474122	AC115777.3
ENSMUSG00000085663.1	3.348772149	4.05581315	0.027118665	0.047474122	AC119806.2
ENSMUSG00000116627.1	104.4009434	0.647297434	0.027147551	0.047519989	RP23-151N21.10
ENSMUSG00000042104.18	504.9367069	-0.82763411	0.027166191	0.047549562	Ugg2
ENSMUSG00000045232.4	2.443699185	-3.785579037	0.027212061	0.047626788	Rln3
ENSMUSG000000084197.1	10.93914874	1.446523411	0.027228871	0.047653148	RP23-49C8.3
ENSMUSG000000028048.11	946.2051501	0.386158119	0.027246431	0.047680816	Gba
ENSMUSG00000035949.15	1850.771035	0.250468872	0.027257994	0.047697988	Fbxw2
ENSMUSG00000022129.4	2.599201139	3.700112789	0.02726166	0.047701338	Dct
ENSMUSG00000048647.9	59.23862333	-0.670875878	0.02728124	0.047732532	Exd1
ENSMUSG00000028437.14	1789.716481	0.317420432	0.027294856	0.047753289	Ubap1
ENSMUSG00000068966.10	1112.342521	-0.527235026	0.027304982	0.047767938	Zbtb34
ENSMUSG00000090582.1	39.75905222	-1.901031028	0.02735447	0.04785144	RP23-111F7.2
ENSMUSG00000100966.1	4.220727576	-2.596880373	0.027361965	0.047861477	RP23-210C21.1
ENSMUSG00000105748.1	12.50729011	1.453772207	0.027402719	0.047929687	RP23-209N19.1
ENSMUSG00000002346.16	117.213986	0.704891223	0.027432702	0.047979049	Slc25a42
ENSMUSG000000083439.1	8.595353028	-1.660393417	0.027437986	0.047985209	RP23-286H11.1
ENSMUSG000000024978.10	911.5692718	-1.080288982	0.027446304	0.047995889	Gpm
ENSMUSG00000055497.5	8.408243809	1.938426134	0.027447616	0.047995889	RP23-153F8.5
ENSMUSG00000030206.13	1.803511531	4.231899078	0.027555778	0.04817884	Gsg1
ENSMUSG00000060765.8	1.803511531	4.231899078	0.027555778	0.04817884	Olfir325
ENSMUSG000000038148.13	2.028677683	4.392707261	0.02757023	0.048194828	Cldn16
ENSMUSG00000107341.1	2.028677683	4.392707261	0.02757023	0.048194828	RP23-338E5.5
ENSMUSG00000112103.1	2.028677683	4.392707261	0.02757023	0.048194828	RP24-255E19.2
ENSMUSG00000038708.10	3965.283972	-0.445072636	0.027607034	0.048256068	Golga4
ENSMUSG00000103065.1	3.551989354	-4.358657776	0.027623366	0.04827842	RP24-175I14.2
ENSMUSG00000103720.1	3.551989354	-4.358657776	0.027623366	0.04827842	RP24-175I14.10
ENSMUSG000000039100.10	10313.12155	0.500713619	0.027633251	0.048292598	06_Mrz
ENSMUSG00000008206.16	2913.644159	0.254190111	0.027666242	0.048347153	Cers4
ENSMUSG00000026579.8	21.07034976	-1.424493887	0.027730898	0.048457032	F5
ENSMUSG00000024548.11	1476.206993	0.650875223	0.02773567	0.048462262	Setbp1
ENSMUSG00000034037.14	970.4262031	-0.620187165	0.027813065	0.048594376	Fgd5
ENSMUSG00000109244.1	4.227427688	-2.599293829	0.027895066	0.048734521	RP24-330M21.1
ENSMUSG00000096257.2	5.249391074	2.749139886	0.027899549	0.048739228	RP23-36D15.4
ENSMUSG00000010825.17	13.71905684	1.451886349	0.027912508	0.04875874	Grid2ip
ENSMUSG00000032253.13	6950.060627	-0.290500179	0.028011524	0.048928567	Phip
ENSMUSG00000101823.1	3.71309352	-2.884263901	0.028024322	0.048947784	RP24-416M6.1
ENSMUSG00000037973.6	3.929422139	2.707471062	0.028035724	0.048964559	Ccdc129
ENSMUSG00000020865.16	1.780101917	4.21553151	0.02805259	0.048987735	Abcc3
ENSMUSG00000040148.5	1.780101917	4.21553151	0.02805259	0.048987735	Hmx3
ENSMUSG00000045980.13	467.1535722	-0.548491296	0.028075286	0.049024226	Tmem104

ENSMUSG00000049897.14	4.104049833	3.400028737	0.028121967	0.049102591	Stkld1
ENSMUSG00000106358.1	3.28077456	-3.289969776	0.028129099	0.049111897	RP23-76L18.2
ENSMUSG00000026471.14	19.46604375	-1.295919424	0.02813451	0.049118196	Mr1
ENSMUSG00000092124.1	5.986138809	2.235026159	0.028150834	0.049143545	B930094E09Rik
ENSMUSG00000032540.16	472.857116	-0.339990853	0.028153272	0.049144652	Abhd5
ENSMUSG00000038705.13	939.0303592	-0.439811577	0.028168845	0.049168686	Gmcb2
ENSMUSG00000031596.15	150.046205	-0.702617164	0.028182706	0.049189729	Slc7a2
ENSMUSG00000087437.7	4.690504641	-2.373224409	0.028189191	0.049197895	RP23-15L19.3
ENSMUSG00000098164.1	12.22870989	1.608685417	0.028193505	0.049202272	RP24-118H13.2
ENSMUSG00000046994.9	1037.719325	-0.384476934	0.028238015	0.049276792	Mars2
ENSMUSG00000036256.13	11.26075322	1.364453079	0.028257048	0.049306847	Igfbp7
ENSMUSG00000105454.1	2.596011543	3.677310132	0.028261923	0.049312196	RP23-309G12.4
ENSMUSG00000029213.11	2440.208374	0.379594595	0.028283121	0.049346022	Commmd8
ENSMUSG00000001333.9	7.524040532	2.613312608	0.028314085	0.049394315	Sync
ENSMUSG00000111938.1	3.687080281	3.235194291	0.028314427	0.049394315	RP23-118L13.2
ENSMUSG00000106174.1	2.061464287	4.41467695	0.028321675	0.049403795	RP23-111A11.1
ENSMUSG00000037370.13	140.6883313	-0.55989575	0.028345986	0.049443037	Enpp1
ENSMUSG00000026670.15	1418.412484	-0.260543493	0.028369993	0.049481743	Uap1
ENSMUSG00000111345.1	19.57555259	-1.559421864	0.028376835	0.049490509	RP23-444K20.4
ENSMUSG00000004170.5	1.869240755	-4.453187892	0.028382438	0.049497112	Olfir1384
ENSMUSG00000107891.1	21.30177892	1.379596079	0.028414057	0.049549081	RP23-330J17.3
ENSMUSG00000012405.16	20674.24329	-0.559484012	0.028454505	0.049616438	Rpl15
ENSMUSG00000069266.5	37.01904355	1.026558422	0.028467973	0.049636747	Hist1h4b
ENSMUSG00000082324.1	5.567628197	-2.118290216	0.028476526	0.049648481	RP23-295D9.1
ENSMUSG00000095930.1	91.69239053	0.792523351	0.028494519	0.049676673	Nim1k
ENSMUSG00000116138.1	269.4911551	-0.364956655	0.028496607	0.049677133	RP23-353K7.9
ENSMUSG00000048661.14	1643.005063	-0.47805218	0.028512473	0.049701612	Lemd3
ENSMUSG00000085316.1	4.635197319	2.480495874	0.028531805	0.049732128	RP23-326F22.3
ENSMUSG00000112789.1	16.31864595	1.695931055	0.028537227	0.049738396	RP23-333M15.9
ENSMUSG00000102760.1	14.52903299	-2.157741537	0.028540206	0.049740406	RP23-73N8.1
ENSMUSG00000030492.16	9.607468211	-1.759321471	0.028629175	0.049892271	Slc7a9
ENSMUSG00000105896.1	6.067037553	2.267263638	0.028654758	0.049933661	RP23-477N9.5
ENSMUSG00000081731.1	35.52433645	-0.985348325	0.028664293	0.049947082	Calr-ps
ENSMUSG00000111594.1	544.0628468	-1.08141242	0.028666408	0.049947572	RP23-468H22.7
ENSMUSG00000091947.1	1.974875002	4.36042318	0.028722859	0.05004273	RP23-315C11.5
ENSMUSG00000024797.13	52.1799147	0.80047324	0.028735822	0.050062113	Vps51
ENSMUSG00000050267.13	465.5462327	0.51974198	0.028737803	0.050062364	Zfp287
ENSMUSG000000051228.5	15.72176956	1.448429994	0.028787556	0.050142621	Nyx
ENSMUSG00000107586.1	4.721320401	2.95780495	0.028787031	0.050142621	RP23-480I16.1
ENSMUSG00000022913.15	1732.020677	-0.590866076	0.028796457	0.050154919	Psmg1
ENSMUSG00000070806.5	5.816212216	2.532310772	0.028869638	0.050279164	Zmynd12
ENSMUSG00000027233.4	3.503701925	-3.25016583	0.028878081	0.050290653	Patl2
ENSMUSG00000070808.4	760.9049594	-0.719451021	0.028885177	0.050299794	Gltsr1
ENSMUSG00000020840.10	11473.00583	0.508203079	0.028913055	0.050345122	Blmh
ENSMUSG00000110594.1	2.073681813	4.434857536	0.0289208	0.050355391	RP23-132B15.4
ENSMUSG00000110282.1	35.08500355	1.407647406	0.028960027	0.050420468	RP23-187N1.1
ENSMUSG00000109127.1	7.130314399	2.267286868	0.028971915	0.050437941	RP23-216D14.3
ENSMUSG00000105624.1	19.81057268	-1.159774859	0.029001874	0.050483645	RP24-399A15.2
ENSMUSG00000109131.1	4.989189516	2.226451582	0.029001025	0.050483645	RP23-429C4.3
ENSMUSG00000113863.1	2.412589902	-3.744111972	0.02905054	0.050565127	RP23-177B9.4
ENSMUSG00000098488.7	53.11407593	-1.873948822	0.029064449	0.050586105	Pla2g4b
ENSMUSG00000000056.7	2803.662094	-0.490761948	0.029094828	0.050635745	Narf
ENSMUSG000000020153.14	1730.510158	0.723426835	0.029098798	0.050639418	Ndufs7
ENSMUSG00000115306.1	3.928773873	2.675459518	0.029131334	0.050692801	RP23-393E16.3
ENSMUSG00000082962.3	2.690492353	-4.970794053	0.029152	0.050725524	RP23-167I12.11
ENSMUSG00000086583.3	44019.14455	-0.628581666	0.029179207	0.050769621	AC110186.1
ENSMUSG00000061461.11	334.2200158	0.660894532	0.029195348	0.050794462	Smim20
ENSMUSG00000087120.1	8.274139746	2.138938201	0.029249194	0.050884894	RP23-234K24.5
ENSMUSG00000082524.3	1.742146959	4.169736058	0.029267649	0.050907246	AC164119.1
ENSMUSG000000097404.1	1.742146959	4.169736058	0.029267649	0.050907246	Gm10814
ENSMUSG00000110562.1	6.616387398	-2.019754042	0.029264528	0.050907246	RP23-303A11.2
ENSMUSG00000110620.1	377.213534	-0.484189561	0.029314213	0.050984983	RP23-265B15.1
ENSMUSG00000100020.1	13.17670937	-1.218148677	0.029323605	0.050998062	RP24-145A22.1
ENSMUSG000000041801.5	83.76254279	0.719699209	0.029346366	0.05103439	Phlda3
ENSMUSG00000084224.1	605.8742091	0.822121315	0.029381803	0.051092754	RP23-384C18.9
ENSMUSG00000102269.1	16.31538292	-1.591887897	0.029401758	0.05112419	RP23-285G23.3
ENSMUSG00000074903.5	236.5311016	0.869927661	0.0294086	0.051132824	RP23-402K24.3
ENSMUSG00000006576.16	950.6786184	0.536427451	0.029426997	0.051158281	Slc4a3
ENSMUSG00000066097.6	2.702181295	-4.976646543	0.02942566	0.051158281	Cyp2j11
ENSMUSG00000025911.14	13.65681316	1.262489256	0.029446813	0.051189464	Adhfe1
ENSMUSG00000100967.1	194.5166014	0.565702676	0.029467047	0.051221369	RP23-180L12.5
ENSMUSG00000022463.8	10921.12403	-0.526929845	0.029530808	0.051328926	Srebf2
ENSMUSG00000083718.2	10.43277681	1.82458119	0.029544437	0.051349339	Ccnb2-ps
ENSMUSG00000103662.1	3.509425601	3.18921647	0.029555833	0.05136587	RP23-123O12.2
ENSMUSG00000069456.4	3.642802384	3.198892766	0.029567746	0.051383294	Rdh16
ENSMUSG00000078713.8	1905.983835	-0.6445827	0.029600793	0.051437444	Tomm5
ENSMUSG00000003752.9	511.917342	0.394301252	0.029655371	0.051528996	Itpkc
ENSMUSG00000020372.15	60942.69836	-0.574501417	0.029669364	0.051550023	Gnb2l1
ENSMUSG00000013584.5	36.22565776	0.910550011	0.029677582	0.051554437	Aldh1a2
ENSMUSG00000030304.11	5083.400684	-0.229788109	0.029676489	0.051554437	Ergic2
ENSMUSG00000112242.1	48.45949555	-1.208177254	0.029677155	0.051554437	RP23-182A11.1
ENSMUSG00000111017.1	4.743280524	-2.444545027	0.0296827	0.05156004	RP23-23P9.3
ENSMUSG00000030158.12	3.810834862	3.32052265	0.029715635	0.051613959	Clec12b

ENSMUSG00000097699.2	15.43082996	1.920805672	0.029740597	0.051654022	RP23-207N2.4
ENSMUSG00000099370.1	7.624038711	-2.241388645	0.029755109	0.051675933	Platr10
ENSMUSG00000025496.5	34.88436435	0.891705851	0.029780068	0.051715983	Drd4
ENSMUSG00000041328.16	2381.50294	-0.268295613	0.029806307	0.05175825	Pcf11
ENSMUSG00000106574.1	10.17738884	-1.390609896	0.029835282	0.051805261	RP23-4F17.1
ENSMUSG00000099761.1	1.815216338	4.239834599	0.029843154	0.051806009	RP24-72B9.7
ENSMUSG00000107477.1	9.795011519	-1.616329533	0.029843319	0.051806009	RP23-45G16.11
ENSMUSG00000111922.1	1.815216338	4.239834599	0.029843154	0.051806009	RP23-281M13.1
ENSMUSG00000112977.1	1.815216338	4.239834599	0.029843154	0.051806009	RP23-380M24.2
ENSMUSG00000024369.16	2243.979449	-0.536134151	0.029869899	0.051848846	Nelfe
ENSMUSG00000105189.1	219.9115595	0.424112361	0.029908859	0.051913166	RP24-332C17.4
ENSMUSG00000111895.1	3.571422572	3.247798979	0.029915923	0.051922118	CAA01066804.1
ENSMUSG00000042572.12	3687.769194	-0.277457623	0.029937694	0.051956595	Ube2q1
ENSMUSG00000107902.1	3.678445389	3.242993446	0.029945706	0.051967188	RP23-473K6.1
ENSMUSG00000033066.15	523.3635849	0.681684209	0.029957524	0.051984385	Gas7
ENSMUSG00000036817.14	2751.018388	-0.520308873	0.02997408	0.052009802	Sun1
ENSMUSG00000071317.4	91.4541219	0.787769973	0.029978297	0.052013806	Bves
ENSMUSG00000027566.15	9993.990424	0.618201656	0.030025862	0.052093016	PsmA7
ENSMUSG00000019470.12	2316.768069	-0.258985865	0.030038772	0.052112094	Xab2
ENSMUSG000000099480.1	1.805839348	4.232163401	0.030067946	0.052152743	RP24-318K18.2
ENSMUSG00000100401.6	1.805839348	4.232163401	0.030067946	0.052152743	RP24-304F16.2
ENSMUSG00000100407.1	1.805839348	4.232163401	0.030067946	0.052152743	RP24-54G6.1
ENSMUSG00000108258.1	9.294026959	-2.525110421	0.030132752	0.052261821	RP24-325P20.7
ENSMUSG00000079559.4	26.59044012	-1.028777294	0.030189899	0.052354707	RP24-173L14.5
ENSMUSG00000116665.1	2.434521915	3.590759886	0.030190151	0.052354707	RP23-80O10.2
ENSMUSG00000109640.1	4.201192957	3.509947466	0.030226705	0.052414762	RP23-60P23.4
ENSMUSG00000108963.1	5.186418024	-2.246874894	0.030237787	0.052430641	RP24-62O14.1
ENSMUSG00000040852.5	382.5702391	-0.699670728	0.030261347	0.052468153	Plekhh2
ENSMUSG00000100255.1	2.422832973	3.590738532	0.030322472	0.052570788	RP23-263L18.2
ENSMUSG00000058704.7	1833.427264	-0.339580051	0.030358438	0.052629793	Memo1
ENSMUSG00000000673.8	1.692999913	4.134966674	0.030402453	0.052699939	Haao
ENSMUSG00000097224.1	1.692999913	4.134966674	0.030402453	0.052699939	RP23-412B2.6
ENSMUSG00000027254.13	1340.543342	0.682117076	0.030424757	0.052734697	Map1a
ENSMUSG000000097761.1	5.481802557	2.077331183	0.030426745	0.052734787	RP23-861F9.1
ENSMUSG00000046908.5	4.029908501	2.72033682	0.030454234	0.052779073	Ltb4r1
ENSMUSG00000079697.1	7.346816057	1.879500002	0.030481782	0.052823454	RP23-245M18.2
ENSMUSG00000078847.1	10.14045131	1.395505148	0.030506988	0.052863773	AC116812.1
ENSMUSG00000113570.1	21.5423546	-1.190742928	0.030513073	0.052870954	RP23-344H4.6
ENSMUSG00000052482.6	24.39865932	-1.345466815	0.03054071	0.052915476	RP23-120K5.1
ENSMUSG00000106094.1	132.2660064	-0.488256603	0.030568605	0.052960439	RP23-301O12.1
ENSMUSG00000020334.6	14.297824	1.174133476	0.030576044	0.052969959	Slc22a4
ENSMUSG000000097460.1	13.64755603	1.631993637	0.030604879	0.05301654	Gm26734
ENSMUSG00000100747.4	26.28919633	0.921553498	0.030655285	0.053100482	RP23-315H12.7
ENSMUSG00000007480.3	6.149142094	-2.353548911	0.030658373	0.053101641	Mc5f
ENSMUSG00000074228.2	9.003184193	1.926428453	0.030659853	0.053101641	Gm10645
ENSMUSG000000071451.10	815.9656682	0.695764997	0.030677667	0.053129117	Psmg4
ENSMUSG00000078041.1	2.478781876	-3.798017341	0.030681891	0.053133054	Mir292
ENSMUSG00000027244.14	1455.377793	0.512082942	0.030690226	0.05314411	Atg13
ENSMUSG00000080254.4	75.87105191	0.858860346	0.030703305	0.053163379	Fam220-ps
ENSMUSG00000025157.8	1705.765072	0.279555912	0.030771283	0.053277697	Zdhc16
ENSMUSG00000034126.5	1048.217329	-0.441053429	0.030776991	0.053284193	Pomt2
ENSMUSG00000034748.16	671.3122082	0.344441875	0.030817479	0.0533509	Sirt6
ENSMUSG00000082322.2	7.27240031	-1.929231982	0.030834011	0.053376128	RP23-71K8.1
ENSMUSG00000087633.1	1.878908727	4.297550736	0.030843516	0.053389189	RP23-228E2.10
ENSMUSG00000044433.16	2822.587804	-0.410150555	0.030865679	0.053420765	Camsap3
ENSMUSG00000090112.8	2459.369726	-0.604973329	0.030865253	0.053420765	Shprh
ENSMUSG00000114644.1	2.252178076	-3.661961294	0.030879763	0.053441745	RP24-84E18.3
ENSMUSG0000013155.10	851.3158089	-0.275752767	0.030910889	0.053492215	Enkd1
ENSMUSG00000034473.14	820.1799682	0.341641541	0.030918308	0.053501654	Sec22a
ENSMUSG00000032413.12	1019.542111	-0.289780548	0.030926839	0.053509619	Rasa2
ENSMUSG00000047193.16	1438.27716	-0.58918448	0.030925005	0.053509619	Dync2h1
ENSMUSG00000099284.1	3.760010172	-2.88274471	0.030959269	0.053562327	Mir7026
ENSMUSG00000061393.14	1816.093066	-0.762974152	0.030971465	0.053580024	Acvr2b
ENSMUSG00000028523.14	11.06259946	1.830148485	0.030983301	0.053594213	Tctex1d1
ENSMUSG00000086680.2	6.288621873	1.805102607	0.030983601	0.053594213	RP23-81D2.6
ENSMUSG00000094737.1	502.3700417	0.567004863	0.031006323	0.053630111	RP24-152K24.5
ENSMUSG00000064208.6	1925.975506	-0.353400182	0.031020044	0.053650438	RP24-217L12.2
ENSMUSG00000059498.13	7.207716757	-1.822647628	0.031030962	0.053665914	Fcgr3
ENSMUSG00000038241.16	1357.123816	-0.884366975	0.031048553	0.053692927	Cep250
ENSMUSG00000097497.1	3.300843166	-3.353338679	0.031057613	0.053705186	RP23-247H23.2
ENSMUSG00000020827.18	2050.111961	-0.828644371	0.031061862	0.053709124	Mink1
ENSMUSG00000020519.5	1273.272007	0.478901557	0.031135152	0.053832433	Sap30l
ENSMUSG00000113017.1	1.988394908	4.354625336	0.031149033	0.053853015	RP24-534N1.1
ENSMUSG00000028910.12	510.3569705	0.477692669	0.031222703	0.053976956	Mecr
ENSMUSG00000024334.8	7.905185439	-1.568500117	0.031257465	0.054033622	H2-Oa
ENSMUSG00000007815.13	7564.449874	-0.261836533	0.031332044	0.054159109	Rhoa
ENSMUSG00000103739.1	9.97383828	-1.513317275	0.031360476	0.054204815	RP24-188H2.5
ENSMUSG00000019979.12	1098.887734	-0.529475491	0.031364369	0.054208105	Apaf1
ENSMUSG000000090722.8	12.4542924	-1.998300778	0.031375632	0.054224131	RP24-357I4.2
ENSMUSG00000068154.5	519.3297779	0.565838737	0.031389535	0.054244717	Insm1
ENSMUSG00000100813.1	4.651890956	2.479430217	0.031398679	0.054257076	RP23-127O5.7
ENSMUSG00000030717.9	8.613044381	1.929178713	0.031413993	0.054280096	Nupr1
ENSMUSG00000056666.13	157.5867533	-0.47683699	0.031452477	0.054343145	Retsat

ENSMUSG00000021190.14	2106.560211	-0.299434983	0.031477703	0.054383282	Lgmn
ENSMUSG00000029185.14	155.9979871	0.623425415	0.031487394	0.054396575	Fam114a1
ENSMUSG00000106631.1	3.687096147	3.257613359	0.031495013	0.054406286	RP23-32E20.1
ENSMUSG00000023830.13	54.93671291	0.654082531	0.031500149	0.054411709	Igf2r
ENSMUSG00000109947.1	4.738323425	-2.414104329	0.031569406	0.054527882	RP24-235B15.7
ENSMUSG00000042262.5	2.570075472	-3.868032353	0.03159371	0.054566401	Ccr8
ENSMUSG00000091155.1	1.791294005	4.2047558	0.031605656	0.054583574	Serpine3
ENSMUSG00000034387.12	4.905978732	-2.097266554	0.031612041	0.054591139	Ssu2
ENSMUSG00000045330.8	2.420337167	-3.767727366	0.031617713	0.054597474	RP23-146M22.1
ENSMUSG00000024761.2	349.9119479	0.454975902	0.031632784	0.05461828	Gm16437
ENSMUSG00000111760.1	20.64675741	-1.242785926	0.031633772	0.05461828	RP23-212C9.2
ENSMUSG00000112239.1	578.3508441	-0.442832783	0.031640957	0.054627222	RP23-349H12.3
ENSMUSG00000033882.15	3.317552668	-3.306042189	0.031673706	0.054680298	Rbm46
ENSMUSG00000025991.8	5.99029711	1.947994561	0.031702968	0.054723879	Cps1
ENSMUSG00000008090.1	1047.643349	0.600466451	0.031702019	0.054723879	RP23-385C16.6
ENSMUSG000000084910.1	86.3860948	0.7117141382	0.03170855	0.054730046	RP24-535M24.3
ENSMUSG00000040957.15	542.5483598	-0.45092907	0.031761842	0.054818557	Cables1
ENSMUSG00000042350.13	1890.461227	0.624691442	0.031797976	0.054877445	Arel1
ENSMUSG00000081907.1	109.5682407	0.627342551	0.031801724	0.054880436	RP24-388A9.10
ENSMUSG00000020712.11	14.28397159	1.532623275	0.031825274	0.054917597	Tcam1
ENSMUSG00000034377.10	4948.654835	0.67581713	0.03183407	0.054929297	Tulp4
ENSMUSG00000116056.1	2.024022048	4.391530813	0.031849106	0.054951761	RP23-246A19.5
ENSMUSG00000027829.15	2455.735466	-0.333379835	0.031859782	0.054966699	Ccn1
ENSMUSG00000107618.1	67.09334005	-0.692556745	0.031861943	0.054966947	RP24-469M15.1
ENSMUSG00000109812.1	11.82027727	-1.444952126	0.031891617	0.055014655	RP23-235I2.1
ENSMUSG00000059303.6	1.7713762	-4.367533404	0.031912958	0.055047983	Olfr836
ENSMUSG00000036867.7	59.83816429	0.72451293	0.031925437	0.055066023	Smad6
ENSMUSG00000025194.5	14.34157447	-1.792875353	0.032001133	0.055193091	Abcc2
ENSMUSG00000107254.1	11.67525221	-1.317625052	0.032036103	0.055249907	RP23-42O8.9
ENSMUSG00000083435.2	37.83969248	-0.801705644	0.03204507	0.055258375	AC132271.2
ENSMUSG00000107151.1	1.950952669	4.330400759	0.032043802	0.055258375	RP24-80F7.8
ENSMUSG00000067299.11	1.681295106	4.126261045	0.032071556	0.055293547	Crygd
ENSMUSG00000097038.1	1.681295106	4.126261045	0.032071556	0.055293547	Gm26821
ENSMUSG000000099583.2	29.24349261	-1.061659478	0.032067624	0.055293547	Hist1h3d
ENSMUSG00000021200.14	2.595995678	3.672147066	0.032118558	0.055371076	Asb2
ENSMUSG00000040345.10	23.05460149	-0.987103486	0.032123668	0.055376382	Arhgap9
ENSMUSG00000022674.15	3188.557047	0.339568025	0.032134498	0.055391547	Ube2v2
ENSMUSG00000021880.7	1.762964805	-4.361433423	0.032146411	0.055408576	Rnase6
ENSMUSG00000031512.15	1.767884391	4.18776532	0.032200053	0.055494012	Tex29
ENSMUSG00000108254.1	1.767884391	4.18776532	0.032200053	0.055494012	RP24-441E15.5
ENSMUSG00000046546.3	159.0810568	-0.497534574	0.03222228	0.055525292	Fam43a
ENSMUSG00000105071.1	16.55215259	1.783881248	0.03222196	0.055525292	RP24-555M20.3
ENSMUSG00000085072.1	2.584306736	3.672174583	0.032241208	0.055554395	Ict1os
ENSMUSG00000064495.1	5.400164967	-2.020481208	0.03224502	0.055557449	Gm24313
ENSMUSG00000083304.1	1.941575679	4.323131926	0.0322853	0.055623011	Mup-ps15
ENSMUSG00000109784.1	15.40646182	-2.075231478	0.032287155	0.055623011	RP23-50L10.1
ENSMUSG00000035407.8	38.32905002	-0.840838663	0.032299281	0.055640382	Kank4
ENSMUSG00000114172.1	140.6118725	-0.823804068	0.032313363	0.055661122	RP23-26N21.2
ENSMUSG0000003929.10	1128.531453	0.410583738	0.032322022	0.055672517	Zfp81
ENSMUSG00000034212.14	6.976884563	1.980450548	0.032387066	0.055777497	Ankmy1
ENSMUSG00000062554.7	1017.986898	0.497713813	0.032385819	0.055777497	RP23-418K7.1
ENSMUSG00000080743.2	3.836460913	-2.796362224	0.032426058	0.05584112	RP23-386I5.2
ENSMUSG00000108502.1	5.146866083	2.676421656	0.032442776	0.055866379	RP23-11L1.1
ENSMUSG00000108617.1	4.590902787	3.634937998	0.032452362	0.055879353	RP23-142A14.9
ENSMUSG00000028159.14	21.42907701	1.075407571	0.032470834	0.055907625	Dapp1
ENSMUSG00000024357.9	422.3963045	0.47488969	0.032478029	0.05591648	Sil1
ENSMUSG00000005509.3	97.61286765	-0.530988677	0.03248527	0.055925413	Rab39
ENSMUSG0000004677.17	2114.41994	-0.502665254	0.032507289	0.055959783	Myo9b
ENSMUSG00000107609.1	3.768664872	3.254197514	0.032515315	0.055967156	RP23-263D5.7
ENSMUSG00000110588.1	3.451234759	3.159838292	0.032515681	0.055967156	RP23-98C9.5
ENSMUSG00000036639.12	723.0556895	0.737713263	0.032537415	0.056001027	Nudt1
ENSMUSG00000105442.1	1.753851766	4.178711288	0.032556608	0.05603052	RP23-385G21.4
ENSMUSG00000037622.14	2170.457338	0.435255262	0.032594054	0.056091422	Wdtd1
ENSMUSG000000083074.1	5.510101486	-2.12706567	0.03261565	0.056125042	RP23-322K21.3
ENSMUSG00000026668.10	2.275571825	-3.668431831	0.032631763	0.056149223	Ucma
ENSMUSG00000082676.1	116.1756568	-0.513994928	0.032644888	0.056168258	RP24-215D6.3
ENSMUSG000000282362.1	11.79242382	-1.349341804	0.032670474	0.056208731	AC163345.1
ENSMUSG00000027015.4	7.187307724	2.038441869	0.032683506	0.056227602	Cybrd1
ENSMUSG00000109277.1	5.003227221	3.092474842	0.032687875	0.056231566	RP23-316J6.4
ENSMUSG00000086657.2	36.6310522	1.389621999	0.032769743	0.056368842	Stamos
ENSMUSG00000045952.3	33.97826666	0.827346041	0.032772104	0.056369344	RP23-470O13.2
ENSMUSG00000023991.16	1158.16337	-0.461892593	0.032779409	0.056378348	Foxp4
ENSMUSG00000090164.8	1.573154979	-4.198837495	0.032786613	0.056387179	RP24-127M20.2
ENSMUSG00000054994.2	11.30348721	1.570577508	0.032813651	0.056430116	RP23-65C22.3
ENSMUSG00000082345.1	299.5132153	1.061677016	0.032869035	0.056521793	RP23-174C9.3
ENSMUSG00000098033.2	3.412018914	-2.738114904	0.032877883	0.056529872	RP23-426K20.1
ENSMUSG00000106512.1	3.412018914	-2.738114904	0.032877883	0.056529872	RP24-141D20.1
ENSMUSG00000104810.1	7.503756018	-2.028631103	0.032886806	0.056541645	Epb4.114b-ps
ENSMUSG00000092713.1	1.862504063	-4.448288086	0.032919192	0.056593755	Gm22858
ENSMUSG00000048029.10	27.70370596	-0.98771116	0.032949609	0.056642471	Eno4
ENSMUSG00000100201.1	42.22683123	-1.144986707	0.032955471	0.0566442	RP24-327D15.7
ENSMUSG00000107227.1	25.9211765	-0.968984215	0.032956852	0.0566442	RP23-429E19.4
ENSMUSG00000116763.1	4.871858105	2.188337279	0.032952855	0.0566442	RP23-428P5.5

ENSMUSG00000106691.1	2.729189629	4.830898295	0.032964148	0.056653166	RP23-85H24.1
ENSMUSG00000029343.17	1.817031437	4.22262687	0.032976865	0.056664296	Crybb1
ENSMUSG00000079076.2	1.817031437	4.22262687	0.032976865	0.056664296	RP23-359M9.5
ENSMUSG000000081576.1	1.817031437	4.22262687	0.032976865	0.056664296	RP23-38E20.8
ENSMUSG000000041235.12	5439.853721	-0.388011382	0.03302949	0.056747649	Chd7
ENSMUSG000000081562.1	2477.945471	0.711776561	0.03302954	0.056747649	RP23-17F2.2
ENSMUSG00000022039.6	6.523797415	1.875603933	0.033037348	0.056757485	Adam2
ENSMUSG00000004768.14	890.617605	-0.449657717	0.033044205	0.056765684	Rab23
ENSMUSG000000041258.17	1079.04784	-0.727971248	0.033049793	0.056768124	Zfp236
ENSMUSG000000047369.15	16.12279563	-1.177605018	0.033048778	0.056768124	Dnah14
ENSMUSG00000028996.9	6.436486699	2.065076926	0.03306405	0.056789033	Rbp7
ENSMUSG00000011427.16	489.9558755	0.548040528	0.033097307	0.056842569	Zfp790
ENSMUSG00000116284.1	4.367269442	2.875071989	0.033100109	0.056843798	RP23-89G22.7
ENSMUSG00000108120.1	5.342743622	2.316447498	0.033110495	0.05685805	RP23-4F16.10
ENSMUSG000000048217.11	1.794754084	-4.383984544	0.033114899	0.056858444	Nags
ENSMUSG00000107205.1	16.70092261	1.338911936	0.033113324	0.056858444	RP23-382110.1
ENSMUSG00000021009.15	352.2515308	-0.545338925	0.033132395	0.0568849	Ptpn21
ENSMUSG000000083811.1	27.21242457	1.534976011	0.033148425	0.056908835	RP23-153G17.2
ENSMUSG00000109008.2	3.560141452	4.179283264	0.033154002	0.056914823	RP24-120F8.4
ENSMUSG000000038193.4	2.717699384	3.734784779	0.033176769	0.056950318	Hand2
ENSMUSG00000112799.1	4.510406149	-2.252018274	0.033211279	0.057005964	RP24-427L24.5
ENSMUSG00000106957.1	2.682370401	4.807539819	0.033213996	0.057007036	RP24-168A7.7
ENSMUSG000000058741.4	16.98762218	1.08572437	0.03323151	0.057030716	Prr19
ENSMUSG000000089782.1	8771.730221	-0.531887757	0.03323198	0.057030716	RP23-178F20.2
ENSMUSG00000004709.14	2.33573097	3.525250515	0.033273268	0.057097976	Cd244
ENSMUSG00000100215.1	6240.844586	0.774162918	0.033306001	0.057150547	AC122223.2
ENSMUSG000000082064.3	12431.99006	-0.628376691	0.033327582	0.057183976	Rpl5-ps2
ENSMUSG000000090069.2	5.368187475	3.262090123	0.033346357	0.057212587	RP23-17J18.2
ENSMUSG00000079033.10	190.0264203	0.573600644	0.033348758	0.057213103	Mef2b
ENSMUSG00000114909.1	11.2798429	-1.608202814	0.033372402	0.057250062	RP24-81113.3
ENSMUSG00000004709.14	2856.919575	-0.295993769	0.033412411	0.057315087	Gtf3c6
ENSMUSG000000086367.1	3.163842257	2.992240534	0.03343079	0.057343004	RP23-83O23.4
ENSMUSG000000069306.5	25.41385506	1.024876186	0.033463447	0.057395405	Hist1h4m
ENSMUSG000000050860.6	1.716209038	-4.328374179	0.033481161	0.057418557	Phospho1
ENSMUSG000000084079.1	1.716209038	-4.328374179	0.033481161	0.057418557	RP23-309H19.8
ENSMUSG00000025407.7	67.9939404	-0.747246623	0.033495662	0.057427819	Gli1
ENSMUSG000000034159.12	1.718737345	4.15286034	0.033495436	0.057427819	AC110247.1
ENSMUSG0000000085805.1	1.781353859	-4.374488442	0.03349921	0.057427819	RP23-283M2.2
ENSMUSG000000092495.1	1.781353859	-4.374488442	0.03349921	0.057427819	RP23-167B4.2
ENSMUSG000000098013.1	5.071082413	-2.227170272	0.033496173	0.057427819	RP24-378P20.1
ENSMUSG00000105791.1	1.718737345	4.15286034	0.033495436	0.057427819	RP23-187D22.8
ENSMUSG000000053980.4	2.039869772	4.387901042	0.033544484	0.057501814	RP24-75H6.1
ENSMUSG000000024104.11	5031.062776	0.476105712	0.033571005	0.057541364	Washc2
ENSMUSG000000082638.1	2.220404663	-3.63816005	0.03357178	0.057541364	RP23-261L23.5
ENSMUSG000000081099.2	8.356443753	-1.61565723	0.033579665	0.057551258	RP23-392O2.1
ENSMUSG000000021057.15	259.3571816	0.56335327	0.033633057	0.057639138	Akap5
ENSMUSG00000022639.14	105.0244156	-0.479148935	0.0336715	0.057701391	Dubr
ENSMUSG000000060499.7	1.709508926	-4.323521958	0.033680001	0.057712328	Rpl10l
ENSMUSG000000091618.3	5.339510451	-2.651556677	0.033713408	0.057765939	H60c
ENSMUSG000000096199.2	618.4322391	0.347894884	0.033715874	0.057766531	Pthrhd1
ENSMUSG00000021540.16	3232.559957	-0.392598649	0.033723037	0.05777517	Smad5
ENSMUSG000000027770.5	6337.757307	-0.454394607	0.033785182	0.057877997	Dhx36
ENSMUSG000000031289.10	2.865669107	3.826588128	0.033806964	0.057911672	Il13ra2
ENSMUSG000000070738.10	3926.140533	-0.490458582	0.033830618	0.057948548	Dgkd
ENSMUSG000000058587.9	2192.504844	-0.404761647	0.033841012	0.057962707	Tmod3
ENSMUSG000000029862.15	111.2822367	1.112491612	0.033859233	0.057990269	Cicn1
ENSMUSG000000061099.12	3.815980953	3.259953282	0.033869803	0.058004249	Gapdhs
ENSMUSG00000106260.1	383.0863457	-0.527384127	0.033871654	0.058004249	RP23-246L14.4
ENSMUSG000000022174.8	3096.528748	0.488262131	0.033887568	0.058027854	Dad1
ENSMUSG000000064145.12	2233.143642	-0.277360704	0.03389876	0.05804337	Arih2
ENSMUSG00000100774.1	184.7441766	-0.559599533	0.033905989	0.058052099	RP23-348D4.1
ENSMUSG00000103469.1	4.994466766	3.0931982	0.033910357	0.05805593	RP23-186E14.5
ENSMUSG00000114887.1	8.826939018	-2.577451854	0.03391838	0.058066015	RP23-370B22.8
ENSMUSG0000000051583.11	21.42031247	1.270238682	0.033971388	0.058149454	C8g
ENSMUSG000000041287.5	6.787891351	-2.071973091	0.03397136	0.058149454	Sox15
ENSMUSG000000081160.1	51.89961184	-1.83708335	0.034001875	0.058197982	RP23-322M6.2
ENSMUSG000000004642.13	4508.0813	-0.407481168	0.034031305	0.058244695	Slbp
ENSMUSG0000000090027.1	6.151101094	2.003764831	0.034040016	0.058255944	RP24-299O19.1
ENSMUSG00000107596.1	702.7188527	-0.55140288	0.034050924	0.058270952	RP23-325H23.3
ENSMUSG000000030708.14	3.229698805	3.03027086	0.034060101	0.058279333	Dnajb13
ENSMUSG000000054622.4	3.229698805	3.03027086	0.034060101	0.058279333	RP24-343A12.2
ENSMUSG000000097585.2	11.48888839	1.844158114	0.034079449	0.058308778	RP24-88J19.1
ENSMUSG00000104572.5	2.529979695	-4.888272664	0.034092034	0.058326647	RP24-187P11.4
ENSMUSG000000025314.16	1144.112833	0.449626197	0.034126687	0.058382266	Ptpnj
ENSMUSG0000000059461.7	11007.59673	0.754399924	0.034144312	0.05840875	RP23-295F17.1
ENSMUSG00000111172.1	3.739037213	2.634156906	0.034160465	0.058432713	RP24-496O17.7
ENSMUSG000000038572.7	2.670665594	4.801535551	0.034178907	0.058457565	Bpifb5
ENSMUSG000000071657.12	1611.515322	0.285533797	0.034179286	0.058457565	Bscl2
ENSMUSG0000000016503.16	1497.065904	0.493323138	0.03419035	0.058472818	Gtf3a
ENSMUSG000000031825.16	28.84044048	-1.024217522	0.034239872	0.058553835	Crispld2
ENSMUSG00000108194.1	5.207147917	3.164250387	0.034262203	0.058588345	RP23-436D14.5
ENSMUSG000000021371.5	412.9798051	-0.420319303	0.034366723	0.058763386	Mcur1
ENSMUSG000000054892.14	2.410615448	3.564663975	0.034427917	0.058864327	Txk

ENSMUSG00000041225.16	2262.940395	0.438181417	0.034460744	0.058916756	Arhgap12
ENSMUSG00000028717.12	47.02632313	-0.769455493	0.034490278	0.058963549	Tal1
ENSMUSG000000084897.1	21.12709538	1.358039807	0.034501549	0.058979117	RP23-192A6.2
ENSMUSG000000047554.14	2394.739321	0.243891825	0.034508025	0.058986486	Tmem41b
ENSMUSG000000053178.5	255.9445525	0.466678552	0.034512607	0.058990616	Mterf1b
ENSMUSG00000104388.1	8.979837729	1.720525909	0.034561869	0.059071111	RP24-74O18.2
ENSMUSG00000022507.6	1967.619281	0.310442776	0.034566615	0.059074722	RP23-74O4.1
ENSMUSG000000096732.7	3.956917369	3.363528075	0.034630188	0.059180452	RP23-299O17.1
ENSMUSG000000028393.10	1553.914701	0.559829975	0.034632513	0.059180712	Alad
ENSMUSG00000085838.1	2.389882711	3.55805313	0.034720085	0.059323909	Chn1os1
ENSMUSG00000107362.1	58.84388742	-1.021423134	0.034720667	0.059323909	RP23-403P24.1
ENSMUSG00000109693.1	8.338129712	2.278160487	0.034736302	0.059346901	RP23-238C13.3
ENSMUSG00000048904.5	5.255182892	2.353635997	0.034748324	0.059363718	Neurog1
ENSMUSG00000038425.17	265.335819	-0.358456204	0.034785757	0.059423941	Poli
ENSMUSG00000085638.1	2.769686966	3.773407757	0.034797497	0.059440268	RP23-96M8.1
ENSMUSG00000030824.17	4324.652435	0.286174214	0.034806849	0.059452516	Nucb1
ENSMUSG00000026580.16	1.584843921	-4.20773305	0.034831426	0.059479577	Selp
ENSMUSG00000100505.1	1.584843921	-4.20773305	0.034831426	0.059479577	RP23-139P14.10
ENSMUSG00000111539.1	1.584843921	-4.20773305	0.034831426	0.059479577	RP23-56B4.1
ENSMUSG00000114654.1	1.584843921	-4.20773305	0.034831426	0.059479577	RP24-375M13.2
ENSMUSG00000106675.1	3.149809632	2.987208438	0.034851315	0.05950981	RP24-274B10.1
ENSMUSG00000043183.18	1106.575948	-0.539949561	0.034855643	0.05951347	Simc1
ENSMUSG000000086202.1	2.268871713	3.664866903	0.034862169	0.059519693	RP23-107G20.1
ENSMUSG00000113184.1	239.4433239	1.271433929	0.034863657	0.059519693	RP23-442M3.3
ENSMUSG00000018986.10	1.579855092	-4.204036101	0.034991517	0.059723007	Slnf3
ENSMUSG00000019873.8	2315.751521	-0.474169102	0.034990846	0.059723007	Reep3
ENSMUSG00000044952.5	167.1009394	0.779309126	0.034986977	0.059723007	Kctd21
ENSMUSG00000090242.1	1.579855092	-4.204036101	0.034991517	0.059723007	Rpl17-ps11
ENSMUSG00000084348.1	86.75484601	0.776056824	0.035024489	0.059775538	RP23-314N8.1
ENSMUSG00000066107.6	918.7808801	-0.663207283	0.035125981	0.059944996	RP23-434B7.2
ENSMUSG00000074649.6	134.2269562	0.606500046	0.035139564	0.05996442	RP23-388H13.4
ENSMUSG00000026004.15	203.0653329	0.635242866	0.035155539	0.059979053	Kansl1l
ENSMUSG00000033355.6	2.955145443	4.92891579	0.035160398	0.059979053	Rtp4
ENSMUSG00000045378.4	1.726186697	-4.335265824	0.035150387	0.059979053	Pxt1
ENSMUSG000000082429.1	14.00274091	1.58182939	0.035161349	0.059979053	RP23-317N1.7
ENSMUSG00000103415.1	2.955145443	4.92891579	0.035160398	0.059979053	CAAA01083517.1
ENSMUSG00000107643.1	2.955145443	4.92891579	0.035160398	0.059979053	RP24-133O13.2
ENSMUSG000000065107.1	3.780369679	3.259301559	0.035180185	0.060007426	n-R5s88
ENSMUSG00000080300.4	1.72290915	-4.333133527	0.035249884	0.060118784	Spin2-ps1
ENSMUSG00000095770.1	1.72290915	-4.333133527	0.035249884	0.060118784	RP24-318H13.1
ENSMUSG00000022057.8	6.133250774	-1.758070954	0.035262056	0.060135779	Adamdec1
ENSMUSG00000098975.7	2.856292117	3.821643236	0.035298456	0.060194088	RP23-10312.3
ENSMUSG00000021541.14	7.770110038	2.437252984	0.035303552	0.060197163	Trpc7
ENSMUSG00000029610.13	2817.274921	-0.51218511	0.035304679	0.060197163	Aimp2
ENSMUSG00000114777.1	3.087671322	-3.222539567	0.0353448	0.060261801	RP24-358L4.2
ENSMUSG00000048399.4	3.697117783	3.22492534	0.035354786	0.060275054	Tprg
ENSMUSG00000006423.15	1188.01751	-0.362295275	0.035370125	0.060297431	RP23-286I5.3
ENSMUSG00000010097.14	4802.942791	-0.378852471	0.035392115	0.060331143	Nxf1
ENSMUSG00000002178.6	37.03305124	-0.968655585	0.035425047	0.060383501	Adora2a
ENSMUSG00000046699.14	372.2847406	0.367875103	0.035430938	0.060389765	Sliitr4
ENSMUSG00000044201.9	742.9907671	-0.302468696	0.035460599	0.06043654	Cdc25c
ENSMUSG00000085113.1	6.597536774	1.872668966	0.035487102	0.060477926	RP23-232G8.1
ENSMUSG00000003235.13	5695.951668	-0.422818316	0.035489918	0.060478941	Eif2b5
ENSMUSG00000115276.1	155.9074262	0.908015239	0.035509337	0.060508248	RP23-366I10.5
ENSMUSG00000107836.1	61.53387822	0.569888557	0.035521173	0.060524631	RP23-87I4.1
ENSMUSG000000081194.1	5.917744951	-1.956609668	0.035537984	0.060549488	RP23-139B4.1
ENSMUSG000000089021.2	7.105008935	-1.668645345	0.035505605	0.060567203	RP23-205C7.1
ENSMUSG00000030513.14	614.9448021	0.550491254	0.035554452	0.06056997	Pcsk6
ENSMUSG00000009772.15	786.9121217	-0.324209631	0.035575126	0.0606014	Nuak2
ENSMUSG000000035376.10	684.714518	-0.397874168	0.035587215	0.06061574	Hacd2
ENSMUSG00000041939.14	1010.844142	0.350303779	0.035587995	0.06061574	Mvk
ENSMUSG00000088442.1	1.561466038	-4.189941956	0.035595056	0.060623977	Gm23553
ENSMUSG00000039201.9	322.1114372	0.613079121	0.035604948	0.060633244	Tbc1d25
ENSMUSG000000056457.6	3.238835631	5.060561254	0.035604157	0.060633244	Prl2c3
ENSMUSG00000027876.4	1.643852867	4.099247957	0.035625059	0.060655828	Reg4
ENSMUSG00000036636.9	1298.716441	0.456253353	0.035627116	0.060655828	Cln7
ENSMUSG00000050121.8	1.643852867	4.099247957	0.035625059	0.060655828	Opalin
ENSMUSG00000085950.1	3.666724716	3.21525533	0.035623667	0.060655828	RP23-42H18.1
ENSMUSG00000096810.1	16.71745226	-1.308686129	0.035639986	0.060673948	RP23-30B3.1
ENSMUSG00000025265.14	3898.495146	-0.565825622	0.035729063	0.060821792	Fgd1
ENSMUSG00000097757.1	22.02687818	0.988453338	0.035760702	0.060871847	Gm17518
ENSMUSG00000028707.15	18.7035431	1.107085369	0.035796019	0.060928158	Dmbx1
ENSMUSG00000062773.6	1.554765925	-4.184727964	0.03581944	0.060964212	Tex101
ENSMUSG00000065767.1	34.9980629	1.004173907	0.035884327	0.061070834	Gm23849
ENSMUSG000000086742.8	23.09703197	-1.100292354	0.035892032	0.061080131	AC107822.5
ENSMUSG00000090812.8	24.97418118	0.902819457	0.035915691	0.061116575	Samd15
ENSMUSG00000020863.15	16318.10339	0.405837754	0.035920453	0.06112086	Luc7I3
ENSMUSG00000068739.13	9552.994239	0.364669943	0.036000723	0.06125362	Sars
ENSMUSG00000107288.1	2.309977673	3.505539857	0.036030166	0.061299887	RP24-132L16.11
ENSMUSG00000043410.16	7.178145329	1.850256972	0.036050153	0.061330062	Hfm1
ENSMUSG00000031074.14	50.30727029	-0.736559216	0.036053228	0.061331463	Fgf3
ENSMUSG00000021771.14	8213.153935	-0.329084737	0.03608393	0.061379858	Vdac2
ENSMUSG00000020469.8	4.364271645	2.914280475	0.036088922	0.061384516	Myl7

ENSMUSG00000001166.17	42.9839572	0.69631051	0.036093943	0.061389224	Oas1c
ENSMUSG000000098192.1	28.5270722	-0.9723489	0.036114776	0.061420823	RP23-94E5.1
ENSMUSG000000044362.8	53.44215336	-0.81935764	0.036150203	0.061477236	Ccdc89
ENSMUSG000000067567.12	256.0854929	-0.439006933	0.036159732	0.061489602	Hdac8
ENSMUSG00000001946.14	20.78185906	1.176416605	0.036210518	0.061566149	Esam
ENSMUSG000000092009.1	10.02865895	2.266443327	0.036213456	0.061566149	Myh15
ENSMUSG000000097532.1	189.7986777	-2.280334144	0.036218307	0.061566149	RP23-407B16.5
ENSMUSG000000099704.1	1.866178483	4.257931822	0.036216686	0.061566149	RP24-369F17.8
ENSMUSG000000100914.1	1.866178483	4.257931822	0.036216686	0.061566149	RP24-410B18.14
ENSMUSG000000101614.1	1.866178483	4.257931822	0.036216686	0.061566149	CH36-154N11.7
ENSMUSG000000089703.1	3.283045076	-2.596312933	0.036285686	0.061676836	AC110217.1
ENSMUSG000000032479.15	5754.600812	0.470892064	0.036296382	0.061691168	Map4
ENSMUSG000000090041.1	4.844588914	2.198269011	0.036301954	0.061696788	AC166063.4
ENSMUSG000000087213.2	226.0224884	0.701279961	0.036321219	0.061725679	AC101915.2
ENSMUSG000000082085.1	2.414301185	-3.744494746	0.03632909	0.061735205	RP24-422L8.2
ENSMUSG000000090319.2	3576.060683	-0.491371571	0.036358162	0.061780754	RP23-101H1.17
ENSMUSG000000105753.1	2.100721625	4.428048269	0.036378319	0.06181115	RP23-443O1.1
ENSMUSG000000026767.12	1212.331869	-0.365706632	0.036383497	0.061816092	Fam188a
ENSMUSG000000024972.16	11.85529065	-1.387236765	0.036391124	0.061821466	Lgals12
ENSMUSG000000062369.2	2.485481988	-3.8022805	0.036391199	0.061821466	Usp17lb
ENSMUSG000000026755.14	2627.668838	0.436481181	0.036398628	0.061830231	Arpc5l
ENSMUSG000000027868.11	6.998552937	2.808895157	0.03640449	0.061836334	Tbx15
ENSMUSG000000083280.1	48.02676264	0.655960358	0.036443766	0.061899188	RP23-98F14.2
ENSMUSG000000030002.15	3200.062532	-0.542126045	0.03646639	0.061933754	Dusp11
ENSMUSG000000102827.1	289.9007779	-0.726626231	0.036492896	0.061974907	RP23-56B11.5
ENSMUSG000000023723.17	3138.068568	0.532666579	0.036510289	0.062000579	Mrps23
ENSMUSG000000007004.1	3.457406288	3.116187303	0.036513309	0.062001844	RP23-214I20.3
ENSMUSG000000069515.6	78.01969573	0.566649709	0.036557792	0.062073509	Lyz1
ENSMUSG000000106121.1	2.373685927	3.564312201	0.036590594	0.062125333	RP23-63A19.3
ENSMUSG000000024666.5	639.1798915	0.403206141	0.036600747	0.062138698	Tmem138
ENSMUSG000000092685.1	2.370829526	3.538476084	0.036642254	0.06220529	Gm26241
ENSMUSG000000112779.1	1.756692302	4.197680784	0.036650995	0.062216252	RP24-181E5.5
ENSMUSG000000061778.10	1297.221998	-0.65337389	0.036656782	0.062218322	Mospd2
ENSMUSG000000113773.1	15.30768812	-1.388145922	0.036656258	0.062218322	RP23-239O13.4
ENSMUSG000000083162.1	12.7605929	-1.577676904	0.036671556	0.06223952	RP23-105O4.7
ENSMUSG000000114359.1	2.366985815	3.564291511	0.036679985	0.062249947	RP24-224I13.6
ENSMUSG000000044243.3	4.087966334	3.363864376	0.036686665	0.062257406	Bhlha9
ENSMUSG000000037432.15	2.089016818	4.420456599	0.036702494	0.06227263	Fer115
ENSMUSG000000051805.1	2.089016818	4.420456599	0.036702494	0.06227263	RP24-366J10.5
ENSMUSG000000079602.2	2.089016818	4.420456599	0.036702494	0.06227263	RP23-276D17.3
ENSMUSG000000022437.7	4640.218455	-0.407641079	0.036727669	0.062311462	Samm50
ENSMUSG000000103386.1	3.763303584	-2.864557736	0.036752086	0.062349005	RP23-193O23.2
ENSMUSG000000109539.1	17.13389616	-1.425889825	0.03675561	0.062351101	RP23-413C19.2
ENSMUSG000000096869.7	70.79337513	0.816614632	0.036769351	0.062370528	RP23-9D13.6
ENSMUSG000000111834.1	12.7050287	-1.879528556	0.036778883	0.062382811	RP23-384L16.16
ENSMUSG000000051413.17	1399.255802	-0.560730165	0.036800838	0.062416165	Plagl2
ENSMUSG000000081575.1	72.60726275	-0.638038056	0.036807619	0.062423779	RP23-92B18.6
ENSMUSG000000033454.6	765.2430555	-0.367954089	0.036833783	0.062464263	Zbtb1
ENSMUSG000000024773.14	831.1627733	-0.547076668	0.036843561	0.062476956	Atg2a
ENSMUSG000000087380.7	7.43270725	1.929338646	0.036857545	0.062496778	RP23-402K12.2
ENSMUSG000000085705.1	19.23420098	-1.14830501	0.036880875	0.062532445	CH36-125B10.3
ENSMUSG000000070167.1	66.93799004	-1.069248938	0.036884955	0.062535471	Snora57
ENSMUSG000000036395.15	152.4748481	0.638157406	0.036943488	0.062630811	Glb112
ENSMUSG000000022856.9	831.673193	-0.480460923	0.036950894	0.062639469	Tmem41a
ENSMUSG000000030315.15	703.8031212	0.633581897	0.036954498	0.06264168	Vgll4
ENSMUSG000000105936.1	6.040244034	1.987085125	0.036980102	0.062681181	RP23-114L12.4
ENSMUSG000000030137.8	9.536423442	1.522609678	0.036991936	0.062697338	Tuba8
ENSMUSG000000102880.1	4.484931511	2.437003669	0.037047472	0.062787559	RP23-397E2.5
ENSMUSG000000085044.1	4.373984339	3.466647584	0.037057411	0.062800497	RP23-293L24.1
ENSMUSG000000073418.4	46.99779031	0.679649074	0.037113082	0.062890929	C4b
ENSMUSG000000029209.15	431.9611066	-0.454419225	0.037124319	0.062906059	Gnpda2
ENSMUSG000000105173.1	12.39951295	-1.282558708	0.037131288	0.062913953	RP23-193C5.3
ENSMUSG000000074826.10	427.0164861	0.320749486	0.03713629	0.062918515	RP24-248P14.2
ENSMUSG000000111467.1	2.323559959	4.574392283	0.037146632	0.062932124	RP24-80J11.2
ENSMUSG000000071177.4	18.4053729	1.38808316	0.037154976	0.062942345	Serpina1d
ENSMUSG000000113875.1	3.863068737	2.678647007	0.03716575	0.062956682	RP24-403G3.1
ENSMUSG000000034602.15	2197.369935	-0.610177958	0.037193921	0.062991155	Mon2
ENSMUSG000000101425.1	1.669590299	4.117315648	0.03719535	0.062991155	CH36-202N10.1
ENSMUSG000000101641.1	1.669590299	4.117315648	0.03719535	0.062991155	RP23-179B10.2
ENSMUSG000000114125.1	1.669590299	4.117315648	0.03719535	0.062991155	RP24-91G8.6
ENSMUSG000000031264.13	3.657660033	-2.794660687	0.037213391	0.06301779	Btk
ENSMUSG000000019841.15	2882.243352	0.735884171	0.037250336	0.063076433	Rev3l
ENSMUSG000000030172.15	3949.254783	-0.673078042	0.03728138	0.063125076	Erc1
ENSMUSG000000020412.16	2445.06065	-0.43543247	0.037284764	0.063126882	Ascc2
ENSMUSG000000042787.14	866.7105489	0.25516197	0.037293495	0.063137741	Exog
ENSMUSG000000107760.1	2.660263166	4.784845124	0.0373096	0.063161081	RP23-234N16.5
ENSMUSG000000089958.1	1019.18899	-0.543044981	0.037326877	0.063186403	AC113106.1
ENSMUSG000000105143.1	303.289744	-0.664156322	0.037334526	0.063195423	RP23-187K3.1
ENSMUSG000000034268.4	2.557826158	4.738610426	0.037346095	0.063199299	Amy2a5
ENSMUSG000000093931.2	2.557826158	4.738610426	0.037346095	0.063199299	Amy2a3
ENSMUSG000000096569.2	2.557826158	4.738610426	0.037346095	0.063199299	Amy2a2
ENSMUSG000000096770.2	2.557826158	4.738610426	0.037346095	0.063199299	Amy2a4
ENSMUSG000000069475.1	5.338680714	-2.071002785	0.037377958	0.06324929	Gm6020

ENSMUSG00000089129.1	4.710500081	-2.072565794	0.037380496	0.063249657	Gm26407
ENSMUSG00000036442.8	1546.022179	-0.307747659	0.03739223	0.063265581	Thap11
ENSMUSG00000025812.17	2248.362161	-0.473960666	0.037432412	0.063325702	Pard3
ENSMUSG00000033955.12	2258.94406	-0.642786576	0.037431776	0.063325702	Tnks1bp1
ENSMUSG00000002413.15	2898.826352	-0.686017153	0.037444568	0.063339166	Braf
ENSMUSG00000044216.7	13.8644136	-1.267072815	0.037447346	0.063339166	Kcnj4
ENSMUSG00000062704.3	4.723904248	2.133308065	0.037446352	0.063339166	RP24-116I7.1
ENSMUSG00000083318.1	25.90095711	1.041788068	0.037454516	0.063347359	RP23-145G21.2
ENSMUSG000000113078.1	15.95421208	-1.064222147	0.037477034	0.063381509	RP23-204L16.5
ENSMUSG00000003068.16	2904.497004	-0.305696218	0.037502795	0.063413267	Stk11
ENSMUSG00000052962.3	945.5677985	-0.451746418	0.037500294	0.063413267	Mrpl35
ENSMUSG000000092335.1	31.87727168	-1.809082476	0.037502614	0.063413267	RP23-390N24.1
ENSMUSG00000106103.1	25.41761694	0.987153546	0.037517806	0.063434711	RP24-317M4.1
ENSMUSG00000102757.1	12.02520384	1.38983056	0.03754186	0.063471441	RP23-174P13.5
ENSMUSG00000032806.13	170.0043996	-0.548353406	0.037554047	0.063484166	Slc10a3
ENSMUSG00000036834.16	1308.370064	-0.809195194	0.037553059	0.063484166	Plch1
ENSMUSG00000066900.11	3825.555238	-0.245554127	0.037577906	0.063520558	Suds3
ENSMUSG00000085012.1	8.439400689	1.91522941	0.037580409	0.063520847	RP23-103G18.5
ENSMUSG00000034274.11	3231.307501	0.240621158	0.037662279	0.06365528	Thoc5
ENSMUSG00000058147.1	646.6655283	0.360583344	0.037723157	0.063754219	Xlr3c
ENSMUSG00000028631.7	24.63026902	1.189263801	0.037750393	0.06379629	Kcnq4
ENSMUSG00000000078.7	1960.487747	0.349108154	0.037756758	0.06380309	Klf6
ENSMUSG00000023000.5	2.597036981	3.707111484	0.037768244	0.06381854	Dhh
ENSMUSG00000027636.11	3.828303376	2.677251928	0.037790392	0.063852005	Sla2
ENSMUSG00000109768.1	4.128747043	2.795006726	0.037810481	0.063881984	RP23-183A4.1
ENSMUSG00000106322.1	1.742659678	4.188475191	0.037821287	0.063896279	RP24-132B11.1
ENSMUSG000000027714.11	2596.048448	-0.38085534	0.037853949	0.063947494	Exosc9
ENSMUSG00000021357.14	1739.526509	0.445771712	0.037872183	0.06397084	Exoc2
ENSMUSG00000115195.1	24.62505061	-1.077175104	0.037872465	0.06397084	RP23-315I4.3
ENSMUSG00000068240.5	17239.11766	0.747106979	0.03790326	0.064018885	RP23-24J10.5
ENSMUSG00000079487.11	1958.891526	-1.80526734	0.037927741	0.064056264	Med12
ENSMUSG00000078622.8	6882.169774	-0.351761464	0.03795992	0.064106635	Ccdc47
ENSMUSG00000005220.10	12.05211813	1.413110133	0.037965907	0.064112772	Corin
ENSMUSG00000097793.1	68.60094491	0.653009573	0.037985928	0.064142605	RP24-109N11.4
ENSMUSG00000001510.8	58.00384933	-0.962479589	0.038014381	0.064186671	Dlx3
ENSMUSG00000103998.1	1.876068191	4.281188519	0.038062535	0.064263995	RP24-114A9.1
ENSMUSG00000058927.5	5879.898955	-0.504253205	0.038082619	0.064292071	Gm10053
ENSMUSG00000109366.1	3.227534646	3.032249703	0.038083884	0.064292071	RP23-85B15.8
ENSMUSG00000084288.1	303.1535686	-0.839018015	0.038086521	0.06429254	RP23-190A21.2
ENSMUSG00000061315.14	13583.03237	-0.593316445	0.038100308	0.064311828	Naca
ENSMUSG00000024286.7	3242.108599	-0.336282757	0.038103615	0.064313426	Ccny
ENSMUSG000000028899.11	872.2732526	0.401258918	0.038115286	0.064329138	Taf12
ENSMUSG00000024925.10	657.345296	0.674609375	0.03813236	0.064353969	Rnaseh2c
ENSMUSG00000056832.14	414.2686703	-0.486180565	0.038155211	0.064388544	Ttc26
ENSMUSG00000048728.15	238.4081513	-0.575674042	0.038163083	0.064397839	Zfp454
ENSMUSG00000058558.12	26604.03884	-0.587497176	0.038177119	0.064417533	Rpl5
ENSMUSG00000098111.1	9.923984587	-1.349291147	0.038192343	0.064439231	RP23-296J16.1
ENSMUSG00000105528.1	3.708088825	-2.911658143	0.038233357	0.064504435	RP24-194J1.1
ENSMUSG00000099591.1	27.79838495	-0.86344915	0.038269313	0.064561098	RP24-571A14.4
ENSMUSG00000085125.7	17.02298134	-1.836682922	0.038280677	0.064576272	AC104917.1
ENSMUSG00000103548.1	101.1418151	-0.516127127	0.038284281	0.064578352	RP23-348C6.6
ENSMUSG00000083374.1	928.0598189	-0.550110397	0.038315646	0.064627258	RP23-272O14.1
ENSMUSG000000018263.11	2.268179004	3.492119461	0.038364383	0.06470145	Tbx5
ENSMUSG00000074232.2	2.268179004	3.492119461	0.038364383	0.06470145	Gm10647
ENSMUSG00000108543.1	17.8905376	-1.627708193	0.038371643	0.064709687	RP23-142A14.5
ENSMUSG00000086524.3	44.29082227	1.250852044	0.038389515	0.06473582	Pabpc112a-ps
ENSMUSG00000095658.1	1.63214806	4.090053606	0.038396736	0.064743989	Vmn2r-ps130
ENSMUSG00000032384.16	1151.437458	-0.532276569	0.038420032	0.064775252	Csnk1g1
ENSMUSG00000097584.1	2.59294058	4.756870749	0.038417964	0.064775252	RP24-501F21.2
ENSMUSG00000023021.15	2967.288204	-0.24944252	0.038448821	0.064819777	Cers5
ENSMUSG00000025780.7	492.3907433	-0.521787013	0.03850094	0.06489961	Itih5
ENSMUSG00000029787.10	2313.679479	0.526409781	0.038498728	0.06489961	Avl9
ENSMUSG00000108278.1	5.077452503	2.298856209	0.038506043	0.064904197	RP23-402P24.6
ENSMUSG000000086860.1	1.766069292	4.205208845	0.038514637	0.064914666	RP23-364L1.2
ENSMUSG00000067360.12	6.68224858	1.687573091	0.03852636	0.064930406	Pramel3
ENSMUSG00000020137.5	650.530409	0.338527543	0.038574539	0.065007583	Thap2
ENSMUSG00000083796.3	14.62217626	-1.253956003	0.038612864	0.065068145	RP23-226M2.6
ENSMUSG000000098286.1	8.154451986	-1.662694648	0.038682027	0.065180663	Mir8091
ENSMUSG00000027582.16	957.7383843	0.608677329	0.038689467	0.065189168	Zgpat
ENSMUSG00000082368.1	70.07888957	-0.733895257	0.03871179	0.065222745	RP23-167A19.1
ENSMUSG000000081775.1	27.90946655	1.11992007	0.038727067	0.065244451	RP23-229A22.2
ENSMUSG00000106498.1	18.18380019	1.484027443	0.038760391	0.065296554	RP23-350E1.2
ENSMUSG00000112404.1	2.534416544	4.726092491	0.038770123	0.065308909	RP23-329M17.1
ENSMUSG00000030393.8	2312.564643	0.442346003	0.038778369	0.065318623	Zik1
ENSMUSG000000087190.2	8.576941188	1.639048954	0.038780684	0.065318623	RP23-280L21.3
ENSMUSG00000006519.11	13.99543905	1.6707211	0.038840245	0.065414896	Cyba
ENSMUSG00000024077.15	1676.010162	-0.621125245	0.038845006	0.065418871	Strn
ENSMUSG00000096401.2	2495.272891	-0.812344273	0.038851463	0.0654257	RP23-276L18.1
ENSMUSG00000082248.1	30.85142052	-1.742122069	0.038877117	0.065464855	RP23-326E2.1
ENSMUSG00000087008.4	101.0525399	-0.634768575	0.03888336	0.06547132	AC121119.1
ENSMUSG00000018486.2	5.650759195	2.496326737	0.038891143	0.065480377	Wnt9b
ENSMUSG00000030116.14	13.08320446	-1.498254027	0.03891785	0.065521294	Mfap5
ENSMUSG00000062038.5	3726.954392	-0.519098822	0.038935292	0.065546608	RP23-30B3.3

ENSMUSG00000054932.6	5.313644547	2.050231974	0.038939372	0.065549427	Afp
ENSMUSG00000003545.3	33.31764618	0.818566779	0.038957377	0.065575683	Fosb
ENSMUSG000000050471.17	1375.145166	0.412562047	0.038960842	0.065577465	Fam118b
ENSMUSG000000034163.10	1857.705377	-0.632253923	0.039018911	0.065671146	Zfc3h1
ENSMUSG00000016128.14	92.81656764	-1.238736584	0.0390303	0.065690801	Stard13
ENSMUSG000000031497.9	14.43245334	1.208821837	0.039043171	0.065703858	Tnfsf13b
ENSMUSG000000031486.15	46.62831933	0.929836273	0.039047121	0.065706447	Adgra2
ENSMUSG00000105341.1	11.30788058	-1.57307637	0.039088087	0.065767258	RP24-354P12.3
ENSMUSG000000111092.1	8.352663769	3.135471057	0.039087976	0.065767258	RP24-131G14.5
ENSMUSG00000050612.5	3.304368721	4.073173306	0.039095359	0.06577543	Txndc2
ENSMUSG00000108780.1	7.470501059	2.10984632	0.039159366	0.065879049	RP23-331I23.5
ENSMUSG00000025068.7	1794.216116	0.406482866	0.039172322	0.065896776	Gsto1
ENSMUSG00000083191.1	1.56816615	-4.195120859	0.039205556	0.065948612	RP23-17K9.12
ENSMUSG00000042510.7	12.26857114	1.349053453	0.039231901	0.065988853	RP24-87I22.6
ENSMUSG00000022229.3	8.532198168	1.640675194	0.039335781	0.066159495	Atp12a
ENSMUSG000000061923.4	2.419976572	3.565363353	0.039374417	0.066220389	Odf1
ENSMUSG00000039968.9	1352.650162	-0.383651798	0.039384138	0.066232649	Rsb1l1
ENSMUSG00000029992.14	2604.479359	0.498285057	0.039389974	0.066238375	Gfpt1
ENSMUSG00000044056.3	5.355374351	-2.064417453	0.039401812	0.066250102	Efcab9
ENSMUSG000000047656.8	147.3100147	0.558064669	0.039400499	0.066250102	Trpt1
ENSMUSG00000111398.1	2.61111612	4.759647627	0.039415067	0.0662683	RP23-451B4.1
ENSMUSG00000020481.15	3.835116787	-2.937681686	0.039418672	0.066270271	Ankrd36
ENSMUSG00000102698.1	5.388009232	-2.633905476	0.039421348	0.06627068	RP24-351P4.1
ENSMUSG000000081389.2	27.51384446	-0.841236482	0.039431641	0.066283893	RP23-107K21.4
ENSMUSG000000082968.1	2.671455255	4.785421216	0.039454046	0.066317463	RP23-379L10.1
ENSMUSG000000031796.7	3078.495199	-0.297714704	0.039500529	0.06638833	Cfap20
ENSMUSG000000087651.3	604.9366952	0.378668134	0.039501081	0.06638833	RP24-175N4.1
ENSMUSG00000107455.1	9.529830375	2.360177884	0.039507782	0.066395497	RP24-204J8.6
ENSMUSG00000038615.17	11138.0672	-0.399001154	0.039526991	0.066423682	Nfe2l1
ENSMUSG000000061390.6	8945.700461	0.722370342	0.039539462	0.066440539	RP23-292F17.3
ENSMUSG000000002227.15	299.4188443	-0.486832703	0.039577731	0.066500723	Mov10
ENSMUSG00000026322.8	2.508893674	3.612448063	0.03958016	0.066500723	Htr4
ENSMUSG000000027519.10	1366.783042	0.296825414	0.039591618	0.066515872	Rab22a
ENSMUSG000001110834.1	21.1709443	-1.06788555	0.039625469	0.066568637	CAAA01180111.2
ENSMUSG000000097250.1	12.29436841	1.344359473	0.039628774	0.066570084	RP24-187J17.1
ENSMUSG00000028080.16	873.8298259	-0.652155105	0.039692537	0.066673086	Lrba
ENSMUSG000000091844.1	5.904600734	2.539762305	0.039700595	0.066682509	Gm8251
ENSMUSG000000069833.12	759.5831874	0.623149333	0.039721056	0.066712762	Ahnak
ENSMUSG000000094132.7	51.57864855	-1.317246461	0.03976544	0.06678256	RP24-192I1.1
ENSMUSG00000106936.1	35.4712297	0.755789515	0.039767517	0.06678256	RP23-380O16.6
ENSMUSG00000109045.1	8.915480818	-1.704501105	0.039771366	0.066784908	RP23-213H1.1
ENSMUSG000000042724.8	510.2305306	-0.999617873	0.039817694	0.066858581	Map3k9
ENSMUSG00000108638.1	12.94606085	-1.408299078	0.039826301	0.066868912	RP23-61L14.4
ENSMUSG000000025732.5	230.0575708	-0.929275226	0.039849555	0.066903831	Mcrip2
ENSMUSG00000003923.8	627.8941994	-0.353216728	0.03987439	0.066941401	Ccdc84
ENSMUSG00000107383.1	28699.02228	-0.482146361	0.03992094	0.067015421	RP24-246N21.1
ENSMUSG000000031364.2	15.68801446	1.791661576	0.039939726	0.067038694	Grpr
ENSMUSG000000095403.8	1789.53069	-0.829505794	0.039937473	0.067038694	RP23-152N9.4
ENSMUSG000000091942.1	3.259667193	-2.587212057	0.040024079	0.067176142	RP24-142L2.3
ENSMUSG00000002732.14	55.62848911	0.796892614	0.040041816	0.067201772	Fkbp7
ENSMUSG000000083474.1	1649.212983	-0.339668468	0.040045262	0.067203414	RP23-419G22.5
ENSMUSG000000039545.15	17.392584	1.029343328	0.040070822	0.067242167	Ppp1r3fos
ENSMUSG000000050565.16	3604.750523	-0.293947559	0.040074617	0.067244393	Tor1aip2
ENSMUSG00000039742.15	3.548713588	4.154146265	0.04009315	0.067271348	Fam71f1
ENSMUSG000000086236.9	3.053439535	4.975199866	0.040106159	0.06728903	RP23-216O10.2
ENSMUSG000000083378.3	1561.149804	-0.701470887	0.040128714	0.067322727	RP23-198D21.5
ENSMUSG000000000869.12	1.594193102	4.040021736	0.040140147	0.067333614	Il4
ENSMUSG00000022156.8	1.594193102	4.040021736	0.040140147	0.067333614	Gzme
ENSMUSG00000110533.1	38.32280624	-0.720317798	0.040151275	0.067348133	RP23-346D17.3
ENSMUSG00000111103.1	2.50760716	3.649282468	0.040173548	0.067381344	RP23-164P21.3
ENSMUSG00000041921.16	224.5352957	-0.525668173	0.040215445	0.067447463	Metap1d
ENSMUSG00000071252.6	295.0862513	-0.560629023	0.04023454	0.067475335	RP23-198N22.1
ENSMUSG00000107320.1	29.96757544	-0.852559702	0.040285699	0.067556973	RP23-23C4.5
ENSMUSG000000053774.9	4314.84981	-0.524601499	0.040328465	0.067624526	Ubxn7
ENSMUSG00000046404.5	692.8518401	0.330786561	0.040336558	0.067633934	Yod1
ENSMUSG000000083145.1	10.32438283	1.672755605	0.040349025	0.067650673	RP23-107J3.3
ENSMUSG00000103889.1	5.852368709	1.913248245	0.040374418	0.067689082	RP23-347F2.2
ENSMUSG000000032127.9	1584.674838	0.348456018	0.040386132	0.067704554	Vps11
ENSMUSG00000035495.15	1447.000635	-0.385391601	0.040408087	0.067737192	Tstd2
ENSMUSG000000020219.7	2950.914651	0.820969747	0.040470271	0.067837259	Timm13
ENSMUSG000000041112.17	497.551201	-0.511795713	0.040487791	0.06786245	Elmo1
ENSMUSG00000113250.1	9.368787086	1.674472659	0.040495729	0.067871579	RP23-355K21.2
ENSMUSG00000039844.19	4705.170657	-0.54045365	0.040498745	0.067872458	Rapgef1
ENSMUSG000000037197.11	4447.63304	-0.334511771	0.040522356	0.067903674	Rbm17
ENSMUSG00000113151.1	4082.333686	-0.604068618	0.04052033	0.067903674	RP23-156C20.5
ENSMUSG00000025172.2	1.80532663	4.215588392	0.04059193	0.068016076	Ankrd2
ENSMUSG000000063511.11	12273.33596	-0.280545446	0.040599264	0.068024181	Snmp70
ENSMUSG000000035469.17	2179.264941	0.341507409	0.040666711	0.068132997	Rcbt1
ENSMUSG000000097912.1	6.932880301	2.221952656	0.040671002	0.068135997	6330403N20Rik
ENSMUSG00000035246.16	1090.845979	0.50300514	0.040686109	0.068157114	Pcyt1b
ENSMUSG00000015396.1	1.87788329	4.267498428	0.040702947	0.068181128	Cd83
ENSMUSG000000088856.1	6.016128075	-2.126671603	0.040718611	0.068203172	Gm2427
ENSMUSG000000035759.4	303.880029	-0.359928138	0.040754746	0.068258403	Bbs10

ENSMUSG00000066152.11	181.4958871	0.71238236	0.040756596	0.068258403	Slc31a2
ENSMUSG00000018858.15	2433.97874	0.547361447	0.040762051	0.068263343	Ict1
ENSMUSG000000111497.1	9.312597798	1.507737167	0.040777145	0.068282894	RP23-186O3.11
ENSMUSG00000013811.1	36.56426716	-0.850379658	0.040778739	0.068282894	RP24-423F5.4
ENSMUSG000000089817.1	21.97187184	-0.971091448	0.040846148	0.068391566	RP23-432O2.3
ENSMUSG00000020182.16	242.8129313	-0.537551018	0.040901822	0.068480575	Ddc
ENSMUSG000000081350.1	1463.697604	-0.453264798	0.040975212	0.068599233	RP23-110K5.2
ENSMUSG000000101451.1	1.881236545	4.296569834	0.040978042	0.068599756	RP23-329P9.11
ENSMUSG000000089248.1	3.804758215	2.646373891	0.041036839	0.068693964	Gm24050
ENSMUSG000000081023.1	2149.121673	-0.596804695	0.041047428	0.068707468	RP24-249N9.5
ENSMUSG00000026946.9	8.291886664	2.313432069	0.041071703	0.068743877	Nmi
ENSMUSG000000049232.3	461.5581511	0.348595283	0.041125053	0.068828942	Tigd2
ENSMUSG000000084169.1	46.21640186	-0.635219274	0.041130043	0.068833065	RP23-11A24.1
ENSMUSG000000033106.6	1726.610666	-0.241395044	0.041156346	0.068872853	Slc7a6os
ENSMUSG000000041308.6	593.3136036	-0.614100069	0.04116144	0.068877146	Sntb2
ENSMUSG000000095218.3	3.257549492	4.05301752	0.041198719	0.068935292	Olfir1338
ENSMUSG000000097151.1	18.9260048	-1.210288611	0.041226276	0.068977166	Gm26514
ENSMUSG000000037514.17	1571.174928	0.248442715	0.041232635	0.068983569	Pank2
ENSMUSG00000022391.16	11871.12995	-0.25244053	0.041301306	0.069094214	Rangap1
ENSMUSG000000021947.11	109.2487011	0.573236488	0.04138561	0.069230998	Cryl1
ENSMUSG000000114045.1	56.12772041	0.664615171	0.041415582	0.069276881	RP23-351K4.4
ENSMUSG000000111608.1	4.392027586	-2.313777898	0.041435462	0.069305879	RP23-345H24.4
ENSMUSG000000049988.5	6.128502087	2.570254711	0.041442819	0.069309802	Lrrc25
ENSMUSG000000070704.10	1.756179584	4.180291312	0.041442895	0.069309802	Ugt2b36
ENSMUSG000000079884.6	2216.668734	-0.463530005	0.04146211	0.06933768	RP23-312J21.1
ENSMUSG0000000095979.1	1.556750863	4.011381663	0.041477832	0.069355456	RP24-159C12.3
ENSMUSG000000105674.1	1.556750863	4.011381663	0.041477832	0.069355456	RP23-235G13.4
ENSMUSG000000101476.1	1.854473676	4.250736554	0.041487958	0.069363873	RP23-125I14.5
ENSMUSG000000102890.1	1.854473676	4.250736554	0.041487958	0.069363873	RP24-147G10.2
ENSMUSG000000031209.14	708.7316373	-0.429579317	0.04152331	0.069414459	Heph
ENSMUSG000000082169.1	9.081699737	-2.273240521	0.041522361	0.069414459	RP23-99E6.1
ENSMUSG000000046856.13	13.30392614	1.602335072	0.041556117	0.069465039	Gpr1
ENSMUSG000000017418.13	3091.783683	-0.678237546	0.04157186	0.069487091	Arl5b
ENSMUSG000000031951.8	693.7047809	0.361976344	0.04158025	0.069496851	Tmem231
ENSMUSG000000027859.10	10.08077631	1.408548605	0.041600689	0.069526747	Ngf
ENSMUSG000000047996.16	206.862665	-0.519851114	0.041620189	0.06955507	Prrg1
ENSMUSG000000032715.9	697.4917215	-0.368653888	0.041634163	0.069574155	Trib3
ENSMUSG0000000098052.1	3.413746063	-2.723481191	0.041659621	0.069608158	RP24-481H2.2
ENSMUSG000000102543.5	36.45082609	0.843696769	0.041658366	0.069608158	Pcdhgc5
ENSMUSG000000089992.3	72.76852023	-0.755366224	0.041700302	0.069671856	G6pd2
ENSMUSG000000004730.14	3.796316227	-2.31711094	0.041710108	0.069683967	Adgre1
ENSMUSG000000094568.1	3134.733401	0.366231637	0.041733522	0.069718809	RP23-416E12.2
ENSMUSG000000004667.18	3368.185255	-0.598767861	0.041770949	0.069777054	Polr2e
ENSMUSG000000041895.15	392.956126	0.521126066	0.041776366	0.069781824	Wipi1
ENSMUSG000000021948.17	1425.064683	0.281433973	0.041797958	0.069813643	Prkcd
ENSMUSG000000107998.1	103.6476681	-0.518207754	0.041823317	0.069851682	RP23-111F17.3
ENSMUSG000000061531.8	4.791256436	2.983007173	0.041827255	0.069853977	Tmem236
ENSMUSG000000097673.1	3.991440825	2.681971258	0.041854188	0.069890388	RP23-256A5.3
ENSMUSG000000017865.1	3.991440825	2.681971258	0.041854188	0.069890388	RP24-108G5.3
ENSMUSG00000002985.16	2649.676714	0.497051305	0.041866315	0.069906353	Apoe
ENSMUSG000000021756.12	2531.061454	-0.596238534	0.041872716	0.069912755	Il6st
ENSMUSG000000103864.1	10.69624403	1.380825706	0.041876641	0.069915024	RP23-180G16.1
ENSMUSG0000000044737.6	1.545046056	4.001902945	0.041902945	0.069955891	Klk14
ENSMUSG000000057439.12	1.545046056	4.001902945	0.041913958	0.069955891	Kir3dl2
ENSMUSG000000082114.2	1.545046056	4.001902945	0.041913958	0.069955891	RP23-139F8.1
ENSMUSG000000110767.1	1.545046056	4.001902945	0.041913958	0.069955891	RP23-363G20.2
ENSMUSG000000116058.1	1.545046056	4.001902945	0.041913958	0.069955891	RP23-207L14.7
ENSMUSG000000108080.1	19.61780558	1.18465647	0.04192091	0.069963208	RP24-179P9.2
ENSMUSG000000097083.1	1.765556573	4.188385603	0.041934851	0.069982187	RP24-505E24.3
ENSMUSG0000000041180.13	382.9914498	0.696567302	0.04194595	0.069996421	Hectd2
ENSMUSG000000105708.1	2.326414289	-3.676823033	0.041950931	0.070000445	RP23-148G12.3
ENSMUSG000000031273.16	819.1400376	0.635514903	0.0419915	0.070063848	Col4a6
ENSMUSG000000065778.1	5.114785212	-2.678895916	0.04200448	0.070081212	Gm22154
ENSMUSG000000116577.1	2.187777113	3.421816966	0.042012255	0.070089893	RP23-340P19.4
ENSMUSG000000035486.14	75.74468168	-0.570145612	0.042016422	0.070092551	Plk5
ENSMUSG000000092072.3	1416.251146	-0.468925177	0.042019035	0.070092618	RP23-169H9.7
ENSMUSG000000027573.11	1348.349877	0.250327935	0.042049912	0.07013983	Gid8
ENSMUSG000000020782.18	595.7456989	-0.391053641	0.042105608	0.070228432	Ligl2
ENSMUSG000000068893.5	6.797043741	2.182468301	0.042122534	0.070252361	Spr2a2
ENSMUSG000000085782.2	2.260317908	3.45682115	0.042128577	0.070258139	RP23-321M22.2
ENSMUSG000000031659.13	9.377164736	-1.462259143	0.042139617	0.070272249	Adcy7
ENSMUSG000000041837.4	921.0991036	-0.276195266	0.042146873	0.070280046	Pdcd7
ENSMUSG000000026036.17	2049.746335	-0.333945172	0.042153936	0.070287521	Nif31
ENSMUSG000000094410.7	120.2412026	-2.395567225	0.042163932	0.070299885	RP24-200D3.4
ENSMUSG0000000099207.7	3.821118657	2.650557049	0.042250589	0.070440057	RP23-302F9.1
ENSMUSG000000030103.11	452.5875346	-0.38148359	0.042284258	0.070491876	Bhlhe40
ENSMUSG000000059674.7	488.4997759	0.420883466	0.042350073	0.070597276	Cdh24
ENSMUSG000000103897.1	11.83371832	1.392932499	0.042371562	0.070628776	Pcdhga8
ENSMUSG000000021539.9	1.605897909	4.049687798	0.042404478	0.070674995	Lect2
ENSMUSG000000114369.1	1.605897909	4.049687798	0.042404478	0.070674995	RP24-67N17.5
ENSMUSG000000009181.1	4.187331911	-3.046764439	0.042421917	0.070699734	Mir6905
ENSMUSG000000081683.5	335.3899026	0.512417103	0.042484065	0.070794667	Fzd10
ENSMUSG000000101496.1	1974.480359	-0.623140063	0.042481746	0.070794667	RP23-277E3.1

ENSMUSG00000107889.1	1.643340148	4.078329801	0.042495505	0.070805049	Olf440-ps1
ENSMUSG00000114243.1	1.643340148	4.078329801	0.042495505	0.070805049	RP24-172H10.3
ENSMUSG00000108741.1	4.024217638	-2.522253994	0.042508231	0.07082192	RP23-8J8.3
ENSMUSG00000104682.1	69.16289087	0.740524687	0.042531472	0.070856309	RP23-60E24.3
ENSMUSG00000110894.1	3.684403404	3.223048389	0.042590835	0.070950868	RP24-254O21.3
ENSMUSG00000105431.1	2.279371093	3.478025271	0.042611835	0.07098151	RP24-231P10.3
ENSMUSG00000042502.10	3554.346779	-0.218910835	0.042616578	0.070985069	Cd2bp2
ENSMUSG00000044352.6	2.236908294	3.442902439	0.042622558	0.07099069	Sowaha
ENSMUSG00000108521.1	25.01129067	1.514441135	0.042638304	0.071012574	RP23-256J14.1
ENSMUSG00000032727.14	1305.620416	-0.465111608	0.042660571	0.071045316	Mier3
ENSMUSG00000050069.3	9.132054985	1.464758328	0.042663236	0.07104541	Grem2
ENSMUSG00000008203.1	7.523693077	-1.588208773	0.042687035	0.071080696	RP24-340J12.1
ENSMUSG00000102747.1	16.60676715	1.050333931	0.042728925	0.071146103	RP23-184I13.6
ENSMUSG000000085139.1	3.402087713	3.138505771	0.042750168	0.071177123	RP23-48J18.2
ENSMUSG00000002500.15	3.411131508	3.150310296	0.042760267	0.071189586	Rpl3l
ENSMUSG00000005580.11	181.7859967	0.955718362	0.042771093	0.071203258	Adcy9
ENSMUSG00000022808.5	2088.345833	0.311033706	0.042776645	0.071208149	Snx4
ENSMUSG00000095015.7	70.20155971	0.797425133	0.042803229	0.071248049	RP23-9D13.4
ENSMUSG000000081002.1	15.45455465	-1.701797244	0.042871929	0.071358043	RP23-220D12.4
ENSMUSG0000000108531.16	1.631635341	4.069070255	0.04293545	0.071455039	Clec10a
ENSMUSG00000027164.8	1242.89468	-0.497741384	0.042934437	0.071455039	Traf6
ENSMUSG00000029401.8	376.3542261	0.40587885	0.042975696	0.071517649	Rilpl2
ENSMUSG000000075270.11	8.322580915	2.048783331	0.042986316	0.071530952	Pde11a
ENSMUSG000000450694.3	4.866387207	2.538715235	0.042999492	0.071548507	Apobec2
ENSMUSG000000085962.8	2.579635236	3.666876586	0.043015817	0.07157113	RP23-333J6.4
ENSMUSG000000097926.1	2.421577109	4.659615947	0.043023854	0.071575928	RP23-345J21.2
ENSMUSG00000104293.1	73.99453174	-0.709042309	0.043021314	0.071575928	RP23-363M8.2
ENSMUSG00000108985.1	3.096818875	3.011315319	0.043028014	0.071578478	RP23-428N8.4
ENSMUSG00000073568.1	3.012387957	-3.221736662	0.043051864	0.071613781	Arl14ep1
ENSMUSG00000104295.1	153.0034773	-0.409786963	0.043082816	0.071660891	RP24-66E21.8
ENSMUSG00000108693.1	5.44832371	2.042453441	0.043089553	0.07166772	RP23-174K7.2
ENSMUSG00000078632.3	1.578143809	-4.2026978	0.043140751	0.071748495	Lrrc37a
ENSMUSG00000007812.16	1652.212216	-0.298021635	0.043181823	0.071812419	Zfp655
ENSMUSG00000103214.1	2.433281916	4.666076437	0.043187368	0.071817256	RP23-21P2.7
ENSMUSG00000058594.15	2627.887358	0.399268175	0.043221646	0.071869869	Fbxo18
ENSMUSG00000102263.1	6.929223341	-1.762241166	0.043295449	0.071982686	RP24-257B11.1
ENSMUSG00000105512.1	3.174803918	4.004033656	0.043295694	0.071982686	RP23-199B2.8
ENSMUSG00000109468.1	1.582488295	4.030920138	0.043297419	0.071982686	RP24-252O10.4
ENSMUSG00000025877.14	7.700295535	1.766015788	0.043316948	0.072006364	Hk3
ENSMUSG00000105378.1	7.473224451	2.351437453	0.043314944	0.072006364	RP23-293K21.7
ENSMUSG00000102816.1	1.719250063	4.170503298	0.043340994	0.07204194	RP23-416H10.5
ENSMUSG000000085307.1	2.409872301	4.653079837	0.043366011	0.072079125	RP23-353J21.8
ENSMUSG00000004637.15	222.3548012	0.407184234	0.043395113	0.072123096	Wwox
ENSMUSG00000062906.12	284.18743	0.40740463	0.043401914	0.072129999	Hdac10
ENSMUSG0000015971.5	1706.465665	-0.228780866	0.043438464	0.072186339	Actr8
ENSMUSG000000041740.16	9819.17114	-0.398197339	0.043509291	0.072299629	Rnf10
ENSMUSG00000113212.1	70.03375565	-0.538171164	0.043521269	0.072315121	RP23-95L9.2
ENSMUSG00000031875.7	281.3823177	0.358203783	0.043542012	0.072345176	Cmtm3
ENSMUSG00000104724.1	18.31198926	1.187442989	0.043552458	0.072358118	RP24-428N8.5
ENSMUSG00000006850.7	290.728771	-0.352252176	0.043555356	0.072358521	Tmco6
ENSMUSG00000020325.10	52.79266908	-0.612794513	0.043571365	0.072380702	Fstl3
ENSMUSG00000107240.1	4.982940434	3.745419154	0.043580062	0.072390735	RP24-132L16.13
ENSMUSG000000096001.2	12.39559715	1.476889958	0.04359414	0.072409704	RP23-127E21.1
ENSMUSG00000024862.16	1862.246072	0.421125042	0.043608296	0.072428802	Klc2
ENSMUSG00000107495.1	2.085746134	-3.542461264	0.043621212	0.072445836	RP24-97D9.3
ENSMUSG000000081078.1	16.27667067	2.038448672	0.043676475	0.072533194	RP23-370F7.3
ENSMUSG000000034275.18	2447.722615	-0.673285144	0.043696306	0.072561704	Igfbp9
ENSMUSG00000070319.6	6438.580164	-0.495927746	0.043756042	0.072656474	Eif3g
ENSMUSG00000112428.1	2.235516171	-3.646554787	0.043806868	0.072736435	RP23-64B8.6
ENSMUSG00000110758.1	3.663111433	2.561600915	0.043813077	0.072742312	RP23-88C11.3
ENSMUSG00000035620.15	1251.762778	0.506968863	0.043817	0.072744391	Ric8b
ENSMUSG00000082396.4	15.5494845	1.441212095	0.043822052	0.072748345	Zfp389
ENSMUSG00000022652.7	11.04674926	-1.352729332	0.043830745	0.072758342	Morc1
ENSMUSG000000082185.1	1845.999203	0.390001858	0.043853065	0.072790957	RP23-112E4.7
ENSMUSG00000039599.16	1071.396613	0.364199528	0.043890768	0.072849101	Fam149b
ENSMUSG00000109629.1	2.138163864	4.453696028	0.043918956	0.072891445	RP24-130A20.1
ENSMUSG00000027230.9	225.1947794	-0.557994039	0.043948071	0.072935324	Creb3l1
ENSMUSG00000108500.1	17.50427114	1.735175293	0.043963377	0.072956281	RP23-335G1.5
ENSMUSG00000024620.11	20.24114711	-1.05024904	0.043967802	0.07295918	Pdgrfb
ENSMUSG000000044139.12	6.336167613	2.08962837	0.043993189	0.07299686	Prss53
ENSMUSG000000096486.1	3.156645291	3.006249341	0.044019271	0.073035688	RP24-77I13.2
ENSMUSG00000103986.1	4644.682218	-0.228551757	0.044042736	0.073070171	RP23-174P13.4
ENSMUSG00000007617.18	1651.69577	-0.271287749	0.044049086	0.073076256	Homer1
ENSMUSG000000031010.17	11195.58378	-0.607790839	0.044057678	0.073086059	Usp9x
ENSMUSG00000104723.1	49.15864748	-0.629270184	0.044139542	0.073217402	RP24-245I16.1
ENSMUSG00000116606.1	10.12819527	-1.490862766	0.044154282	0.073237393	RP24-177N8.4
ENSMUSG00000112700.1	2.556288002	4.720531722	0.044183174	0.073280854	RP24-75H6.3
ENSMUSG00000024266.8	4.272472172	-2.620388356	0.044191106	0.073289548	Adad2
ENSMUSG000000097720.1	2.398167494	4.646459123	0.044225332	0.073341845	Gm26849
ENSMUSG00000026675.12	1308.284639	-0.606783697	0.044230501	0.073345952	Hsd17b7
ENSMUSG000000084029.1	1.915325529	4.294336465	0.044252832	0.073374051	RP23-21L20.2
ENSMUSG00000103349.1	1.915325529	4.294336465	0.044252832	0.073374051	RP23-145F12.1
ENSMUSG00000096923.1	9.146075363	1.472612827	0.044258878	0.073379609	A730071L15Rik

ENSMUSG00000055240.16	1017.265737	-0.39334726	0.044283701	0.073416297	Zfp101
ENSMUSG00000084842.3	59.79101801	1.266207575	0.044308896	0.073453596	Pabpc112b-ps
ENSMUSG00000106918.3	1392.154512	0.604484024	0.044315071	0.073459362	Mrpl33
ENSMUSG00000015575.14	1448.70728	-0.522634545	0.044324033	0.0734684	Atp6v0e
ENSMUSG00000106291.1	13.82977098	-1.866358037	0.044325916	0.0734684	RP23-477N9.1
ENSMUSG00000098240.1	17.31992534	-1.127759071	0.044341731	0.073490141	RP23-190H11.4
ENSMUSG00000087925.1	3.977454716	3.316812776	0.04436401	0.073522591	Gm23232
ENSMUSG00000048106.5	858.2996307	-0.266660298	0.044425245	0.073615274	RP23-105K2.3
ENSMUSG00000115838.1	8.868540838	1.393799637	0.04442534	0.073615274	RP23-285N11.1
ENSMUSG00000102840.1	36.06123786	1.032957442	0.044428472	0.073615986	RP23-355E19.1
ENSMUSG00000044813.15	1420.459391	-0.251024472	0.044461905	0.073666902	Shb
ENSMUSG00000029155.16	5.082638249	-2.446389484	0.044517875	0.0737265	Spata18
ENSMUSG00000030059.15	2967.140716	0.287054751	0.044514301	0.0737265	Tmf1
ENSMUSG00000079588.3	1.620443253	4.08035377	0.044511764	0.0737265	Tmem182
ENSMUSG00000082057.1	5.618792903	2.829273006	0.044511562	0.0737265	AC124389.1
ENSMUSG00000091329.2	3.225342375	3.06409046	0.044511713	0.0737265	RP24-388D8.1
ENSMUSG00000093075.1	3.202124617	-2.619079517	0.044519526	0.0737265	Gm25948
ENSMUSG00000097575.2	3.225342375	3.06409046	0.044511713	0.0737265	RP24-388M1.8
ENSMUSG00000111077.1	1.620443253	4.08035377	0.044511764	0.0737265	RP23-5H4.2
ENSMUSG000000059436.13	2180.514369	-0.247272736	0.04453846	0.073753373	Max
ENSMUSG00000026308.8	3.635272223	3.227977332	0.044572397	0.073805085	Klh130
ENSMUSG00000084131.1	24358.66224	-0.611678614	0.04459418	0.073836665	Rpl3-ps2
ENSMUSG00000106173.1	1.543076983	-4.175290004	0.044614316	0.073865516	RP23-342N8.1
ENSMUSG00000015943.11	606.7063705	0.712503412	0.044622697	0.073874902	Bola1
ENSMUSG00000098236.1	2.048983891	-3.513537982	0.044664527	0.073935167	RP24-456G16.3
ENSMUSG00000110794.1	2.048983891	-3.513537982	0.044664527	0.073935167	RP23-88K14.7
ENSMUSG00000010936.11	1965.300641	-0.423530803	0.04467508	0.073948143	Vac14
ENSMUSG00000049691.8	22.54718547	-1.18395992	0.044695719	0.073977811	Nkx3-2
ENSMUSG00000085534.7	1228.595516	0.503006644	0.044723114	0.074018656	RP23-153M14.4
ENSMUSG00000021819.11	2698.544821	0.653142427	0.044740034	0.074042161	Zswim8
ENSMUSG00000086390.7	4.819552112	2.508904632	0.044758014	0.074067417	AC133195.2
ENSMUSG0000009633.3	59.93532481	0.861185454	0.044782575	0.074103561	G0s2
ENSMUSG00000073758.10	43.16311551	-0.798529021	0.044786855	0.07410614	Sh3d21
ENSMUSG000000097693.2	7.222192799	2.097801356	0.044798464	0.074120847	RP23-190H11.7
ENSMUSG00000101009.6	4.604031505	2.094307976	0.044802797	0.074123515	RP23-421C24.1
ENSMUSG00000059134.2	8.665324004	-1.961029018	0.044816197	0.074141182	Olf1814
ENSMUSG00000027863.8	6.597350078	-2.027234239	0.044828577	0.074153181	Cd2
ENSMUSG00000103731.1	26.36683801	0.807708938	0.044828894	0.074153181	RP23-27L18.4
ENSMUSG00000027160.16	2185.937726	0.668278492	0.044866532	0.074207559	Ccdc34
ENSMUSG00000095969.1	2.316813332	3.499856106	0.044867216	0.074207559	Rnu1a1
ENSMUSG00000039745.8	2.037279084	-3.513528607	0.044877365	0.074219838	Htati2
ENSMUSG00000082341.1	2.75876498	-2.942764233	0.044911838	0.074272342	RP23-193L22.2
ENSMUSG00000086443.1	27.53484507	1.101565617	0.04491843	0.074278239	RP23-121J14.4
ENSMUSG00000103161.1	7.776526779	2.382782726	0.044920857	0.074278239	RP23-11511.3
ENSMUSG00000005621.11	1266.951002	-0.699342526	0.044923888	0.074278743	Zfp592
ENSMUSG000000038763.12	6.162910797	1.793931467	0.044948627	0.074315136	Alpk3
ENSMUSG00000045875.13	94.16461866	0.837261851	0.044986072	0.074372531	Adra1a
ENSMUSG00000024218.12	1664.395377	0.297891686	0.044998597	0.074388723	Taf11
ENSMUSG00000102985.1	2.499302122	4.706599885	0.045074562	0.074509783	RP24-127D13.5
ENSMUSG00000022389.15	1022.135954	0.372247494	0.045104014	0.074553944	Tef
ENSMUSG00000097899.2	4.053423012	2.289662611	0.045138995	0.074607238	RP24-127D13.3
ENSMUSG00000054435.16	4.871263198	-2.189023905	0.045168609	0.074651657	Gimap4
ENSMUSG00000042594.16	534.6640524	-0.420277463	0.045195624	0.074690952	Sh2b3
ENSMUSG00000055188.12	16.39517998	1.183195564	0.045200611	0.074690952	Rbm3os
ENSMUSG00000068011.4	2.45669153	4.678800572	0.045199077	0.074690952	Mkrm2os
ENSMUSG00000083422.1	6.706295976	-1.755499486	0.045220709	0.074719631	AC102469.1
ENSMUSG00000051118.9	5.069078689	2.258624037	0.045229469	0.074729573	Olf177
ENSMUSG00000036634.15	10.3413205	-1.915053477	0.045233644	0.074731938	Mag
ENSMUSG00000032040.15	1986.445668	-0.451569604	0.045282276	0.074807748	Dcps
ENSMUSG00000026510.10	2097.345957	-0.494707007	0.045313578	0.07485492	Trp53bp2
ENSMUSG00000046814.3	78.23636509	-1.005481689	0.045342848	0.07489873	Gchfr
ENSMUSG00000105663.1	3.400775597	4.093439543	0.04535712	0.074917763	RP24-296L6.1
ENSMUSG00000037355.14	559.4152744	0.437343879	0.045363128	0.074923144	Uvssa
ENSMUSG00000015316.11	7.899758138	-1.876340579	0.045399822	0.074965569	Slamf1
ENSMUSG00000083711.1	1.568455671	4.021042363	0.045398351	0.074965569	RP23-11P22.1
ENSMUSG00000106773.1	1.568455671	4.021042363	0.045398351	0.074965569	RP23-105O12.2
ENSMUSG00000112437.1	1.568455671	4.021042363	0.045398351	0.074965569	RP23-165H7.3
ENSMUSG00000056487.8	37.23942578	-0.747065961	0.045533453	0.075181666	Mettl7a2
ENSMUSG00000046598.15	2128.477404	-0.262122261	0.045539668	0.075187372	Bdh1
ENSMUSG00000090317.1	2.150319009	3.393635884	0.045578396	0.075246752	Gm17324
ENSMUSG00000056144.14	23.74687834	-1.065766758	0.045583163	0.075250061	Trim34a
ENSMUSG00000055725.11	473.5263586	0.507618614	0.045590636	0.075257838	Paqr3
ENSMUSG00000074121.3	22.92625243	-1.111652837	0.045634671	0.075325963	Ntf5
ENSMUSG00000041685.16	1196.074435	-0.60372789	0.045654601	0.075354295	Fcho2
ENSMUSG00000033436.13	11337.39124	0.355607471	0.045696459	0.075418814	Armcx2
ENSMUSG00000065259.1	3.190938378	-3.086259074	0.045754647	0.075510275	Snora30
ENSMUSG00000104874.1	2.097435076	-3.54959668	0.04576978	0.075530673	RP24-559G13.1
ENSMUSG00000064347.1	18.07390402	1.413695411	0.04586179	0.075677927	mt-Ta
ENSMUSG00000051648.13	4.477409371	-2.679851146	0.045869616	0.075681672	Kctd19
ENSMUSG00000086942.1	6.265974211	-2.119270457	0.045867459	0.075681672	AC122232.2
ENSMUSG00000041879.13	7066.084862	-0.492502295	0.045874707	0.075685487	Ipo9
ENSMUSG00000102633.1	1.680782387	4.107553216	0.045900424	0.075718745	RP23-278E1.4
ENSMUSG00000110084.1	1.680782387	4.107553216	0.045900424	0.075718745	RP24-424D1.5

ENSMUSG00000116804.1	3.93935442	-2.397203122	0.045913257	0.075735328	RP23-405J10.2
ENSMUSG00000021338.17	694.7186359	-0.614794469	0.045925805	0.07575144	Lrrc16a
ENSMUSG000000080951.1	12.66745175	-1.132054295	0.045947785	0.075783105	RP23-289H16.3
ENSMUSG000000063047.9	890.1165487	-0.340449072	0.045969064	0.075809023	Zfp780b
ENSMUSG00000103596.1	5.575262173	-2.138410434	0.045966848	0.075809023	RP23-87D8.2
ENSMUSG00000025371.12	2038.756946	0.319943317	0.045973031	0.075810976	Chmp6
ENSMUSG00000043122.7	24.72037566	-0.959808497	0.045997592	0.075846885	RP23-383E9.1
ENSMUSG00000039629.14	63.24707719	0.846521201	0.046029578	0.075895035	Strip2
ENSMUSG00000005159.16	199.7170686	0.628877416	0.046038915	0.075905836	Cited1
ENSMUSG00000055602.16	5.878241688	1.929270894	0.046063325	0.075936889	Tcp10b
ENSMUSG00000101482.1	231.1157305	0.364436255	0.046061014	0.075936889	RP23-2E23.3
ENSMUSG00000102416.4	1.728114335	4.161626409	0.046068256	0.075940424	RP23-247A1.6
ENSMUSG00000103317.1	5.404227406	-2.224731553	0.046131686	0.076040381	RP23-73N8.3
ENSMUSG00000015533.9	6.666731792	1.720811577	0.046139124	0.07604804	ltga2
ENSMUSG00000116305.1	3.103006269	2.986176041	0.046165266	0.076086525	RP23-463E8.3
ENSMUSG00000110235.1	3.794109495	3.271017662	0.046176501	0.076100438	RP23-116E3.2
ENSMUSG00000036879.15	1162.457269	-0.382510976	0.046182929	0.076106428	Phkb
ENSMUSG00000113091.1	2.931232904	-3.112009995	0.046276677	0.076256305	RP23-302G15.1
ENSMUSG00000094925.7	73.48125957	0.555466755	0.046398403	0.076452266	RP23-473B17.1
ENSMUSG00000005677.14	4.130832956	2.295782278	0.046403725	0.076453067	Nr1i3
ENSMUSG00000065990.12	3388.46912	0.59412638	0.046404503	0.076453067	Aurkaip1
ENSMUSG00000097108.1	20.98987037	-1.141286813	0.046429069	0.076488915	RP23-58L22.8
ENSMUSG00000008652.1	1.968338548	4.364720658	0.046442835	0.07650234	Mup-ps9
ENSMUSG00000109752.1	3.403623384	-2.721095746	0.046442217	0.07650234	RP23-385F8.3
ENSMUSG00000024127.14	2254.030449	0.762045082	0.046491451	0.076577792	Prepl
ENSMUSG00000030921.17	10.03327469	-1.823921993	0.046508467	0.076601189	Trim30a
ENSMUSG00000113929.1	26.78338316	-0.863403794	0.046555405	0.076673862	RP23-239O13.5
ENSMUSG00000001134.9	241.1806775	-0.734109324	0.046637509	0.076804439	Uxt
ENSMUSG00000079396.4	819.4685618	0.302560066	0.046646689	0.076814913	RP24-267P9.1
ENSMUSG00000107961.1	4.55800089	2.468105613	0.046675908	0.076858384	RP23-20K24.11
ENSMUSG000000081058.5	18.0737089	1.353330177	0.046794373	0.077048795	Hist2h3c2
ENSMUSG00000104850.1	18.43674225	1.169039269	0.046829247	0.077101557	RP23-256O22.3
ENSMUSG00000097411.1	10.74424264	1.521921639	0.04683629	0.077108492	B430218F22Rik
ENSMUSG000000097317.1	4.773715424	2.185440325	0.046866528	0.077153612	Gm17281
ENSMUSG00000113013.1	1.533341249	3.992354543	0.046881678	0.077173889	RP24-485P18.1
ENSMUSG00000102466.1	2.272022715	3.464652419	0.046896475	0.077193581	RP24-511H12.2
ENSMUSG00000115124.1	22.36700889	0.936665264	0.046911829	0.077214189	RP24-390D14.9
ENSMUSG000000038838.15	1169.767913	-0.352482636	0.046925858	0.077232613	Vars2
ENSMUSG00000055319.8	2624.063589	-0.412697548	0.046934572	0.07724229	Sec23ip
ENSMUSG00000075070.6	4.050974433	2.70583405	0.046955185	0.077271545	RP23-283M18.2
ENSMUSG00000108873.1	1083.50505	-0.5681227	0.046961787	0.077277741	RP23-54G21.3
ENSMUSG00000115493.1	237.7002892	-0.645646311	0.046967344	0.077282217	RP24-147N23.3
ENSMUSG00000086896.1	2.262661591	3.464890488	0.047046599	0.07740795	Cyp4x1os
ENSMUSG00000031079.12	81.98654063	-0.568927163	0.047063467	0.077431028	Zfp300
ENSMUSG00000037570.16	2250.16502	0.385184257	0.047114654	0.077510562	Mcrs1
ENSMUSG000000021928.9	884.6222764	0.56654497	0.047124068	0.077521368	Ebpl
ENSMUSG00000061259.11	1.606410628	4.070313889	0.047160549	0.077567329	Tmprss11d
ENSMUSG000000087652.1	1.606410628	4.070313889	0.047160549	0.077567329	RP23-279B13.1
ENSMUSG000000097092.2	1.606410628	4.070313889	0.047160549	0.077567329	RP24-351O18.6
ENSMUSG00000100002.2	2.976118344	2.896147915	0.047171819	0.077581182	RP23-308G10.2
ENSMUSG00000098232.1	16.24173304	-1.28601373	0.047184787	0.077597824	RP23-429A10.1
ENSMUSG00000021583.7	451.1846006	0.332316927	0.047215874	0.077644262	Erap1
ENSMUSG000000037798.7	1.621622029	-4.236900378	0.047245344	0.077683345	Mat1a
ENSMUSG00000089015.1	1.621622029	-4.236900378	0.047245344	0.077683345	Gm24996
ENSMUSG00000106469.1	2.668614719	4.780104695	0.047297182	0.077763886	RP23-187D22.7
ENSMUSG00000024725.12	591.8916648	0.406384658	0.047319257	0.077795485	Ostf1
ENSMUSG000000064043.13	1118.446022	-0.394351115	0.047336011	0.077818334	Tref1
ENSMUSG00000101964.1	8.665849356	1.478127589	0.047343578	0.077826078	RP24-444I15.5
ENSMUSG00000111079.1	10.88578638	1.298319575	0.047388337	0.077894954	RP24-93F20.11
ENSMUSG000000081848.1	51.52828367	0.900307889	0.047395019	0.077901238	RP23-98K7.2
ENSMUSG00000103680.1	3.794418169	3.291258833	0.047459657	0.078002773	RP24-297J20.4
ENSMUSG00000066196.11	11.7907905	1.554693527	0.047462852	0.078003319	Spag8
ENSMUSG00000055415.7	1.519308625	3.98218734	0.047478283	0.078019265	Atp10b
ENSMUSG000000093910.2	1.519308625	3.98218734	0.047478283	0.078019265	Zfp853
ENSMUSG00000005628.12	27.6488025	1.274509248	0.047485165	0.078025868	Tmod4
ENSMUSG00000040302.17	433.0189915	-0.331353872	0.04750195	0.07804874	Rbm48
ENSMUSG00000108547.1	4.387070487	-2.283529108	0.047524306	0.078080763	RP23-154G20.4
ENSMUSG000000086959.1	1.614921917	-4.231641873	0.047544225	0.078108779	RP23-215C15.1
ENSMUSG00000055670.14	2126.514701	0.636910875	0.047559322	0.078128869	Zzef1
ENSMUSG00000093351.1	2.774762755	-3.047033202	0.047584923	0.078166213	Mir3072
ENSMUSG00000094635.2	5.905318713	-1.753595762	0.047614635	0.078210304	RP24-441F13.4
ENSMUSG00000078920.3	1.618115435	4.079375722	0.047627361	0.078221774	Ifi47
ENSMUSG00000112605.1	10080.91635	-0.590956613	0.047626448	0.078221774	RP23-77B14.2
ENSMUSG00000081476.1	1262.862088	0.332603317	0.04764453	0.078245254	ltpa-ps1
ENSMUSG000000020477.10	1772.371227	0.646938416	0.047696672	0.078321442	Mrps24
ENSMUSG00000070520.4	1346.737108	0.388480372	0.047696542	0.078321442	Nsmce3
ENSMUSG00000024194.15	1099.59287	0.724489477	0.047704393	0.0783294	Cuta
ENSMUSG00000025037.6	2655.395431	-0.213959264	0.047710595	0.078334863	Maoa
ENSMUSG000000055833.14	63.02248149	0.629138091	0.047735749	0.078371438	AC114603.1
ENSMUSG00000093904.2	10834.41411	-0.282059067	0.04782814	0.078518391	Tomm20
ENSMUSG00000085213.1	6.421759573	2.081584964	0.047867645	0.078578511	RP23-35A4.1
ENSMUSG00000026547.15	1940.78281	-0.412270181	0.047903719	0.078628252	Tagln2
ENSMUSG00000039835.16	1218.836796	-0.685777203	0.04790363	0.078628252	Nhs11

ENSMUSG00000113502.1	2.581450335	3.654849763	0.047963837	0.078722186	RP24-180C10.1
ENSMUSG00000050029.7	1960.746702	0.41537346	0.047973011	0.078732499	Rap2c
ENSMUSG00000005609.16	4492.762614	-0.258523478	0.048005164	0.078780522	Ctr9
ENSMUSG00000043897.12	7.155780625	-1.945303584	0.048029008	0.078805411	Vmn2r2
ENSMUSG000000069769.13	4665.011276	-0.490698715	0.04802367	0.078805411	Msi2
ENSMUSG00000099825.1	4.666712193	2.938338138	0.048027182	0.078805411	RP23-413D14.1
ENSMUSG00000021024.14	8820.176865	0.617828672	0.048080303	0.078884824	Psma6
ENSMUSG00000031568.16	1637.339561	-0.291154528	0.048083327	0.078885034	Rwdd4a
ENSMUSG000000107369.1	115.0282514	-0.451809337	0.048122023	0.078943764	Gstm2-ps1
ENSMUSG00000097800.1	4.81619047	2.192348981	0.048175306	0.079026416	B230344G16Rik
ENSMUSG00000025264.12	2838.591843	0.26048969	0.04818926	0.079044546	Tsr2
ENSMUSG000000080851.1	1442.740254	-0.539987184	0.048241414	0.07912533	RP23-76P22.3
ENSMUSG00000040838.10	13.60964433	-1.271159103	0.048290298	0.079200741	RP23-396N4.2
ENSMUSG00000012350.15	10.40623598	1.571906687	0.048300608	0.07921288	Ehf
ENSMUSG00000025347.4	2.633500298	4.761598849	0.048332043	0.079259662	Mettl7b
ENSMUSG000000107173.1	6.321371589	3.058593496	0.048390628	0.079350959	RP24-196M24.3
ENSMUSG00000038417.4	1214.497376	-0.429752927	0.048514381	0.079549101	Fig4
ENSMUSG00000020080.8	3.126384153	2.953693347	0.048531742	0.079558414	Hkdc1
ENSMUSG00000026697.10	1.49589901	3.962752114	0.048529388	0.079558414	Myoc
ENSMUSG000000104967.1	1.49589901	3.962752114	0.048529388	0.079558414	RP23-218K6.1
ENSMUSG00000109505.1	1.49589901	3.962752114	0.048529388	0.079558414	RP23-242J3.3
ENSMUSG00000039759.10	331.9383593	0.562271822	0.048538463	0.079564644	Thap3
ENSMUSG00000113489.1	14.47510074	1.384298011	0.048552916	0.079578758	RP23-465O13.5
ENSMUSG00000113951.1	14.47510074	1.384298011	0.048552916	0.079578758	RP23-465O13.4
ENSMUSG00000083485.1	2.811637047	3.796499155	0.048578933	0.079616611	RP23-422L16.7
ENSMUSG00000051000.17	33.04488537	0.814239967	0.04858593	0.079623288	Fam160a1
ENSMUSG000000099178.1	25.3878608	-1.740947978	0.048597769	0.079637899	RP24-378F2.1
ENSMUSG00000040263.16	2670.87643	-0.379884928	0.048642948	0.07970714	Klhdc4
ENSMUSG00000084334.1	8.789408827	1.68616764	0.0487469	0.079872673	RP23-328P5.1
ENSMUSG00000008370.8	40.63800123	-0.717909595	0.048751338	0.07987514	RP23-108K17.1
ENSMUSG00000010406.12	1378.054748	0.726336663	0.048757917	0.079881115	Mrpl52
ENSMUSG00000025246.13	3418.143745	-0.57658902	0.048777483	0.079908364	Tbl1x
ENSMUSG00000100548.1	1.94913757	4.342942792	0.048790701	0.079925213	RP23-116B8.1
ENSMUSG00000015994.10	4221.048313	0.409573517	0.048829635	0.079984181	Fnta
ENSMUSG000000084139.1	1017.307413	-0.547314301	0.048868919	0.080043716	RP23-83I13.6
ENSMUSG00000062742.3	472.8540854	0.855677206	0.048875435	0.080049576	Gm5239
ENSMUSG00000100454.1	36.37272202	-0.947984738	0.048892838	0.080073265	RP24-496O18.3
ENSMUSG000000026153.15	1955.735454	-0.499048372	0.048936014	0.080139157	Fam135a
ENSMUSG00000003234.16	1976.629824	0.251174281	0.048954599	0.080164774	Abcf3
ENSMUSG00000113469.1	2515.274623	-0.577247814	0.048970155	0.080185428	RP23-7C22.1
ENSMUSG00000027777.15	30.37542348	0.820006374	0.049013428	0.080251461	Schip1
ENSMUSG00000046959.16	28.93551481	-0.881259013	0.04907804	0.080350346	Slc26a1
ENSMUSG00000050390.12	551.6390399	0.540524033	0.049079721	0.080350346	RP23-284L6.7
ENSMUSG00000029238.11	1263.232073	0.351311202	0.049113886	0.08039933	Clock
ENSMUSG00000106568.1	24.7650207	1.054356639	0.049115544	0.08039933	RP24-298F19.6
ENSMUSG00000113887.1	6.8402829	-1.666637186	0.049137385	0.08043025	RP23-291I2.2
ENSMUSG00000113814.1	10.38467437	1.65826928	0.049153341	0.080451533	RP23-151N21.6
ENSMUSG00000035173.14	1786.415578	-0.498747862	0.04920598	0.080532852	Ccdc186
ENSMUSG000000064263.6	1.406723037	-4.036093354	0.049266633	0.080603479	Platr26
ENSMUSG00000078212.4	1.406723037	-4.036093354	0.049266633	0.080603479	RP23-243G7.4
ENSMUSG00000079649.3	1.406723037	-4.036093354	0.049266633	0.080603479	RP23-191G17.3
ENSMUSG00000080921.4	9759.120733	0.81871091	0.049264936	0.080603479	Rpl38-ps2
ENSMUSG00000108992.1	3.634873114	-2.239338905	0.049266887	0.080603479	RP23-352H11.5
ENSMUSG00000114035.1	1.406723037	-4.036093354	0.049266633	0.080603479	RP23-131P21.5
ENSMUSG00000033618.7	476.0259291	0.731082822	0.049293293	0.080641839	Map3k13
ENSMUSG00000110463.1	1.574866262	-4.200428509	0.049380708	0.080779994	RP23-187D7.1
ENSMUSG00000103949.1	3.434085705	2.485138631	0.049389331	0.080789249	RP24-116C1.8
ENSMUSG00000061816.15	7.317636329	-1.805567746	0.049398357	0.080799162	Myl1
ENSMUSG00000029328.15	10888.39211	-0.218268353	0.049444117	0.080854592	Hnrnpdl
ENSMUSG000000063450.14	2537.027255	-0.72122441	0.049441267	0.080854592	Syne2
ENSMUSG00000068184.7	830.4925113	0.572705226	0.049444044	0.080854592	Ndufaf2
ENSMUSG00000097722.1	2.138614202	3.386195182	0.049443054	0.080854592	Gm26841
ENSMUSG00000078664.2	6.660794691	2.14630545	0.049470539	0.080892942	Spr2a1
ENSMUSG000000061848.5	3486.872443	0.791034063	0.049521903	0.080972071	RP23-82K1.6
ENSMUSG00000070473.4	44.5247414	0.713829523	0.049540535	0.080997675	Cldn3
ENSMUSG00000021670.14	13226.20189	0.321368177	0.049591242	0.081075713	Hmgcr
ENSMUSG00000089953.3	1.400022925	-4.030298453	0.04961109	0.081103296	Rnf224
ENSMUSG00000113093.1	14.8615864	-1.633208754	0.049692198	0.081231015	RP24-358K11.2
ENSMUSG00000066129.15	811.6618221	-0.568715435	0.04971951	0.081270785	Kndc1
ENSMUSG000000066861.14	7.930153844	-1.442429966	0.049741115	0.081301221	Oas1g
ENSMUSG000000081975.1	534.5760523	-0.525374777	0.049775184	0.081352026	RP23-34J1.2
ENSMUSG00000026313.16	1142.771957	0.374279141	0.049779236	0.081353768	Hdac4
ENSMUSG00000056220.14	2.222891535	3.443488829	0.049787651	0.081362639	Pla2g4a
ENSMUSG00000098198.1	1113.925777	0.286222432	0.049845378	0.08145209	RP24-290G2.1
ENSMUSG00000000214.11	5.146788918	1.999321031	0.049877526	0.081499733	Th
ENSMUSG00000108312.1	147.0204633	-0.480685009	0.049897919	0.081528166	RP23-396C19.6
ENSMUSG00000067430.7	815.0008448	0.354957998	0.049958032	0.08162149	Zfp763
ENSMUSG00000115643.1	3.919428614	2.702496152	0.049967964	0.08163282	RP24-83P8.5
ENSMUSG00000116823.1	3.064569243	3.920423262	0.049991572	0.081666492	RP23-220N17.6
ENSMUSG00000028689.14	324.4856759	-0.504393386	0.050046874	0.081751931	Ccdc163
ENSMUSG00000035601.9	638.2310927	0.291864957	0.050056123	0.081762136	Trmt10b
ENSMUSG00000077167.1	24.741225	-1.014857271	0.050070929	0.081781417	Gm24119
ENSMUSG00000035597.19	2923.126435	-0.495833707	0.050097225	0.081815303	Prpf39

ENSMUSG00000105013.1	42.96872759	-0.684150858	0.050097683	0.081815303	RP23-265M4.4
ENSMUSG00000025557.10	16.47029789	-1.098711358	0.050157035	0.081907323	Slc15a1
ENSMUSG00000097282.1	13.23895967	-1.253401785	0.05017378	0.081929755	5031415H12Rik
ENSMUSG00000105336.1	50.16344848	-0.701102403	0.050186324	0.081945328	RP24-275F18.2
ENSMUSG00000083582.1	1.629820242	4.088220381	0.050199289	0.081961584	AC111011.3
ENSMUSG00000027865.10	799.8155228	0.390159135	0.050208217	0.081971248	Gdap2
ENSMUSG00000057321.2	1.388333983	-4.02033057	0.050218239	0.081972873	Usp17ld
ENSMUSG00000090252.1	1.388333983	-4.02033057	0.050218239	0.081972873	AC123856.7
ENSMUSG00000095836.3	8.7601886	-1.700005842	0.050217766	0.081972873	RP23-404J7.3
ENSMUSG00000040407.17	3848.494208	0.55115195	0.05030364	0.082107355	Akap9
ENSMUSG00000115347.1	10.81357906	1.413429071	0.050311685	0.082115566	RP24-97F15.1
ENSMUSG00000110866.1	7.707733245	-1.642013267	0.050354905	0.082181183	RP23-212C9.3
ENSMUSG00000045802.13	3.731466709	-2.928989177	0.050378923	0.08221063	Hsf3
ENSMUSG00000056753.3	20.8159402	1.160834802	0.050378983	0.08221063	RP24-64D24.6
ENSMUSG00000102691.1	12.07785702	-1.245408544	0.050456649	0.082332437	RP23-415C3.8
ENSMUSG00000013928.13	5.789368563	1.909994	0.050465677	0.082342236	Thap8
ENSMUSG00000021203.15	633.7642703	-0.3435375	0.050494642	0.082384562	Otub2
ENSMUSG00000080899.1	55.34992896	0.670365466	0.050506972	0.082399744	RP23-149P4.1
ENSMUSG0000000167.14	141.3662615	-0.558466459	0.050533077	0.082437397	Pih1d2
ENSMUSG000000024503.2	1.655044956	4.089079869	0.050551818	0.082463032	Spink1
ENSMUSG00000083268.1	3.452340351	-3.378146844	0.050594875	0.082525904	RP23-101M12.2
ENSMUSG00000105858.1	6.792701817	2.128168518	0.050596419	0.082525904	RP24-239E2.2
ENSMUSG00000084202.1	2.124581577	3.378792038	0.05070637	0.08270029	RP23-361B8.1
ENSMUSG00000108792.1	2.914523402	-3.164820967	0.050715175	0.082709697	RP23-61L14.2
ENSMUSG00000046032.16	1771.267212	0.240324874	0.050721676	0.082715348	Snx12
ENSMUSG00000079038.3	162.9808764	-0.623447366	0.050732659	0.08272445	RP23-114B10.4
ENSMUSG00000083830.1	11.20829142	-1.397752217	0.050733331	0.08272445	RP23-346H6.3
ENSMUSG00000080772.1	81.97407927	0.541476141	0.050736437	0.082724564	RP23-451K12.3
ENSMUSG00000021039.9	4432.245534	-0.312267903	0.050741748	0.082728272	Snw1
ENSMUSG00000103583.1	2.363053073	4.625958853	0.050756229	0.08274693	RP23-469D21.1
ENSMUSG00000029797.13	18.18324095	-1.063615849	0.050767609	0.082760394	Sspo
ENSMUSG00000115829.1	9.875949858	1.358451555	0.050770564	0.082760394	RP23-410F8.1
ENSMUSG00000034621.14	4081.117904	-0.626114774	0.050795782	0.082791593	Gpatch8
ENSMUSG00000056708.5	751.2585452	0.335814203	0.0507952	0.082791593	Ier5
ENSMUSG00000050961.4	6.434165033	-2.13330833	0.050847658	0.082871187	RP23-115K1.6
ENSMUSG00000084375.1	2.112892635	3.378762817	0.050929029	0.082998839	RP23-57F11.9
ENSMUSG00000038209.12	4.483321182	-2.378480788	0.051015693	0.083135103	Itn1
ENSMUSG00000086342.1	19.85866027	-0.92720768	0.051055427	0.083194877	RP23-325M14.7
ENSMUSG00000086459.2	6.459776911	2.375779835	0.051094657	0.083253822	RP23-188K3.3
ENSMUSG00000064137.6	1.692487194	4.117931915	0.051174513	0.083373966	Rhox8
ENSMUSG00000087591.7	1.692487194	4.117931915	0.051174513	0.083373966	RP23-339K2.2
ENSMUSG00000056629.15	1338.565452	0.653312578	0.051193633	0.083400128	Fkbp2
ENSMUSG00000080054.3	1722.51136	-0.67616415	0.05120739	0.083417552	Rpl12-ps1
ENSMUSG00000030934.9	2691.428626	-0.319351046	0.051216721	0.083427764	Oat
ENSMUSG00000028646.16	1758.076537	0.388305063	0.05123739	0.083456442	Rragc
ENSMUSG00000075465.2	2.101187828	3.371549544	0.051255374	0.083480743	Gm10837
ENSMUSG00000104520.1	3.531652516	3.235975298	0.05126346	0.08348892	RP23-226J18.4
ENSMUSG00000056919.9	665.6675768	-0.513513652	0.051279316	0.083509752	Cep162
ENSMUSG00000103800.1	15.28948703	1.4981055	0.051318546	0.08356462	Pcdha8
ENSMUSG00000114295.1	361.0153992	-0.590895154	0.051319143	0.08356462	RP23-170A19.4
ENSMUSG00000114188.1	13.83203259	1.269793186	0.051324537	0.083568408	RP23-47P3.3
ENSMUSG00000113776.1	8.334040625	-1.885913637	0.051359325	0.083620053	RP23-453O8.7
ENSMUSG00000104434.1	9.261688018	1.603642153	0.051379617	0.083648092	RP23-436F15.2
ENSMUSG00000111992.1	18.47349671	1.109719412	0.051433694	0.083731127	RP23-234F23.2
ENSMUSG00000113143.1	1.418411979	-4.046122715	0.051568968	0.08394633	RP23-102D22.1
ENSMUSG00000046223.10	11.77137398	1.144184562	0.051600978	0.083993419	Plaur
ENSMUSG00000086645.2	35.70024141	0.672794434	0.051639484	0.084051073	RP24-401O6.2
ENSMUSG0000001056.3	7093.773254	-0.672857463	0.0516538	0.084069352	Nhp2
ENSMUSG00000107907.1	9.795723246	-1.57104138	0.051692921	0.084127998	RP23-249G11.4
ENSMUSG00000090136.4	5916.012399	0.632383143	0.051696726	0.084129164	RP23-356D13.4
ENSMUSG00000011148.14	29.28957193	-0.794222395	0.051718121	0.084158955	Adssl1
ENSMUSG00000114158.1	4.597602899	3.620215348	0.051768701	0.08423623	RP24-404P19.4
ENSMUSG00000104262.1	2.682647344	4.787749809	0.051778117	0.084246519	RP23-412L18.2
ENSMUSG00000018861.8	810.1822439	-0.295361942	0.051912543	0.084455151	Fdxr
ENSMUSG00000040820.16	616.1117654	-0.3383739	0.051909544	0.084455151	Hlcs
ENSMUSG00000040653.6	666.9016589	0.276494425	0.051923128	0.084467326	Ppp1r14c
ENSMUSG00000106735.1	3.649078809	2.55900445	0.051944859	0.084497632	RP23-422P4.2
ENSMUSG00000106990.1	162.2420451	0.703698158	0.051961361	0.084519429	RP23-23C4.6
ENSMUSG0000014602.15	10331.85615	0.719434632	0.052012284	0.084597208	Kif1a
ENSMUSG00000026659.13	1121.405762	-0.452546407	0.052120921	0.084768843	Dusp12
ENSMUSG00000034738.8	2.250213637	4.555054521	0.052145911	0.084804424	Nostrin
ENSMUSG00000086628.7	1.619930534	4.060966275	0.052177415	0.084850593	AC125275.1
ENSMUSG00000045326.13	2.331358675	3.525916463	0.052227631	0.084927184	Fndc7
ENSMUSG00000025610.7	1.66907758	4.099472081	0.052249346	0.084942215	Map3k7cl
ENSMUSG000000059108.4	1.66907758	4.099472081	0.052249346	0.084942215	Ifitm6
ENSMUSG00000083243.1	1.66907758	4.099472081	0.052249346	0.084942215	RP23-229E11.1
ENSMUSG00000116311.1	1.66907758	4.099472081	0.052249346	0.084942215	RP24-430H1.5
ENSMUSG00000097717.2	1.617602717	4.060269891	0.052262864	0.08495912	RP23-180A14.1
ENSMUSG000000048108.13	3.744777902	-2.430579243	0.052306176	0.085024455	Tmem72
ENSMUSG00000020752.11	1636.212433	-0.39047205	0.052315646	0.085034775	Recql5
ENSMUSG00000106943.2	393.844403	-0.528161878	0.05231881	0.085034844	Dancr
ENSMUSG00000036435.13	1935.929431	0.435275203	0.052327248	0.085043484	Exoc1
ENSMUSG00000107639.1	516.2109198	0.718019332	0.052343323	0.085064535	RP23-338O19.2

ENSMUSG00000087387.2	2.974089732	2.926863891	0.052398527	0.085149169	RP24-535O17.2
ENSMUSG00000055691.5	12.04706075	1.197137074	0.052405754	0.085155834	Gja6
ENSMUSG00000097272.1	2.051528063	3.317849856	0.05241235	0.085156394	Gm26649
ENSMUSG000000113102.1	2.051528063	3.317849856	0.05241235	0.085156394	RP24-68E20.7
ENSMUSG000000109879.1	7.236609902	2.489567527	0.052456792	0.085223517	CH25-501L8.4
ENSMUSG00000087239.1	6.225829525	-1.889040378	0.052486969	0.085267459	RP24-89C4.2
ENSMUSG00000068009.11	1.531013432	3.991712913	0.052499315	0.085277345	Bpifb6
ENSMUSG00000090122.3	1.531013432	3.991712913	0.052499315	0.085277345	Kcne11
ENSMUSG000000104168.1	8.498183811	1.792655418	0.052507591	0.085285701	RP23-410B24.2
ENSMUSG00000064451.1	8.36653547	-2.051542875	0.052544093	0.085334815	Snora23
ENSMUSG00000098142.1	9.468904278	-1.351474774	0.052542854	0.085334815	RP24-189G6.1
ENSMUSG000000098105.1	13.9515156	-1.230129889	0.052550267	0.085339748	RP23-361G19.1
ENSMUSG000000112430.1	1.952767768	4.322103496	0.052553396	0.085339748	RP23-243G3.1
ENSMUSG000000105112.1	11.47509236	2.061350149	0.052598896	0.085408543	RP23-326H18.1
ENSMUSG00000002489.16	1274.272298	-0.625135754	0.052642096	0.085473595	Tiam1
ENSMUSG000000024943.9	3840.198319	-0.438494022	0.052661958	0.085497497	Smc5
ENSMUSG00000038671.15	2055.444986	0.239112267	0.052663093	0.085497497	Arfrp1
ENSMUSG00000024533.16	2381.616368	-0.471692475	0.05269049	0.085536877	Spire1
ENSMUSG00000006057.15	4430.824241	0.607544308	0.052775951	0.085665403	Atp5g1
ENSMUSG000000029597.14	2.125906685	-4.631937866	0.052773627	0.085665403	Sds
ENSMUSG00000009876.13	4.157872768	2.27558174	0.052787352	0.0856737	Cox4i2
ENSMUSG000000095866.7	50.93336794	0.837066155	0.052786302	0.0856737	RP23-45E20.5
ENSMUSG000000055775.16	7.132107782	2.30411192	0.052793192	0.085678072	Myh8
ENSMUSG000000025163.6	1.395034095	-4.026144756	0.052835505	0.08573142	Cd7
ENSMUSG000000063696.7	16705.98266	-0.579208687	0.052834871	0.08573142	RP23-336M12.2
ENSMUSG000000109923.1	1.395034095	-4.026144756	0.052835505	0.08573142	CH25-588N10.1
ENSMUSG000000023307.13	3210.187569	0.234328209	0.052859897	0.085760784	05. Mrz
ENSMUSG00000038415.10	4.171251277	2.337541873	0.052856812	0.085760784	Foxq1
ENSMUSG00000072568.4	863.0010304	-0.426898962	0.052994163	0.085973499	Fam84b
ENSMUSG00000002258.1	41.22950904	-0.69019079	0.05304643	0.086053168	RP24-364117.2
ENSMUSG000000098102.1	11.66248184	-1.460350371	0.053062011	0.086073318	RP23-203H20.2
ENSMUSG00000001281.10	6.623039145	-1.516039322	0.053067746	0.08607375	Itgb7
ENSMUSG00000030858.10	6.035255205	1.994469105	0.053068597	0.08607375	RP23-78N8.1
ENSMUSG000000103144.1	10.39995809	1.462132798	0.053076441	0.086081348	Pcdhga1
ENSMUSG000000047714.14	4474.819762	-0.211794242	0.053082387	0.086085866	Ppp1r2
ENSMUSG000000041671.13	881.5759165	-0.326767176	0.053130453	0.086158688	Pyroxd1
ENSMUSG000000097006.7	7.607424745	1.567364597	0.053134505	0.086160129	RP23-20114.11
ENSMUSG000000098340.1	3.844031418	2.664879851	0.05314559	0.086172975	RP23-292F17.5
ENSMUSG000000046275.2	2.990799234	2.948299979	0.053157093	0.086186497	Tusc5
ENSMUSG000000098085.1	4.406682906	-1.901428329	0.053224506	0.086290661	RP23-452119.1
ENSMUSG00000006703.12	61.22004726	-0.611125058	0.053244585	0.086318078	Cd302
ENSMUSG000000057322.12	5564.938532	0.787424192	0.053288908	0.086380197	Rpl38
ENSMUSG000000089630.1	12.87805778	-1.145475495	0.053289244	0.086380197	RP23-454J20.3
ENSMUSG000000041669.15	20.59098743	1.038935449	0.053319193	0.086423601	Prima1
ENSMUSG00000006638.14	156.2090584	-0.451514813	0.053355746	0.086477702	Abhd1
ENSMUSG000000031779.3	1.894225025	-3.395356322	0.053391401	0.086530344	Ccl22
ENSMUSG000000029104.15	2384.412213	-0.699957377	0.053410744	0.086556543	Htt
ENSMUSG000000029320.11	14.66581709	1.13645827	0.053577505	0.086821628	AC161169.3
ENSMUSG000000065118.1	1.381633871	-4.014408747	0.053586872	0.086831642	Gm23297
ENSMUSG000000032648.14	48.00359013	-0.680937995	0.053622091	0.086883543	Pygm
ENSMUSG000000086021.1	3.247298255	-2.664022685	0.053674562	0.086963389	RP24-249N9.3
ENSMUSG000000048897.15	880.3977497	-0.370354363	0.053720337	0.087032378	Zfp710
ENSMUSG000000107970.1	12.7149332	-1.778978426	0.053725879	0.08703618	RP23-355N5.6
ENSMUSG00000018476.7	3652.901258	-0.663755823	0.053737296	0.087049498	Kdm6b
ENSMUSG000000098194.1	9.788310637	-1.297442545	0.053751853	0.087067902	RP23-3F1.5
ENSMUSG000000091185.1	40.59078177	0.69352739	0.053763834	0.087082131	RP23-71L2.1
ENSMUSG00000008226.1	2.739711795	-3.004627184	0.05378277	0.087107623	RP24-357L20.1
ENSMUSG000000083798.1	382.3130919	-0.675772659	0.053835901	0.087188492	RP23-66H6.5
ENSMUSG000000109324.2	13106.84655	-0.419917242	0.053852739	0.087210576	Prmt1
ENSMUSG000000052713.8	2674.926557	-0.633346427	0.05386247	0.08722115	Zfp608
ENSMUSG000000082893.1	94.43274891	-0.645558863	0.053870681	0.087229261	RP23-391111.6
ENSMUSG000000109897.1	16.99509178	-1.136189524	0.053930529	0.087320979	RP23-129K15.1
ENSMUSG00000006281.8	456.3455227	-0.523180902	0.053943689	0.087337096	Tep1
ENSMUSG000000110273.1	5.843043616	-2.036107797	0.053955626	0.087351232	RP24-501J23.3
ENSMUSG00000022445.7	3.818351287	2.163175726	0.053983661	0.087391424	Cyp2d26
ENSMUSG00000014668.15	2467.370459	0.291642717	0.053994291	0.087403438	Chfr
ENSMUSG000000023094.14	239.5080011	-0.417512371	0.05399927	0.087406306	Msr2
ENSMUSG000000082160.1	41.13886729	0.671269449	0.054013215	0.087423682	RP23-17F2.4
ENSMUSG000000069308.7	34.28220873	0.766930038	0.054028326	0.087442945	Hist1h2bp
ENSMUSG000000032534.18	1003.158524	0.293551403	0.054058812	0.087487088	Cep63
ENSMUSG000000073482.2	15.57241027	1.252781051	0.05408001	0.087516195	RP23-67I3.2
ENSMUSG000000034653.11	1234.466438	-0.569406951	0.054114451	0.087566728	Ythdc2
ENSMUSG000000059159.6	13926.88737	0.802680572	0.054132598	0.087590891	RP24-103E20.2
ENSMUSG000000109974.1	4.058253176	-2.464117258	0.054190948	0.087680098	RP24-313C11.5
ENSMUSG000000022330.5	2.890601011	3.860544508	0.054218596	0.087719623	Osr2
ENSMUSG000000107659.1	2.14980629	3.371173191	0.054222878	0.087721341	RP23-49L8.5
ENSMUSG000000023885.9	608.3302118	0.496680222	0.054265286	0.087784734	Thbs2
ENSMUSG000000085588.1	2.394767724	3.574145489	0.054280424	0.087804009	RP23-287B6.3
ENSMUSG000000107000.1	101.8672069	-1.068023241	0.054284239	0.087804966	RP23-15K13.2
ENSMUSG000000026788.13	1004.773667	-0.522843949	0.054333616	0.087879616	Zbtb43
ENSMUSG000000044820.6	5.404679293	1.801308548	0.054384181	0.087956178	RP23-275J22.3
ENSMUSG000000085434.1	4.04248593	-2.168742394	0.054405387	0.087985251	RP23-268N24.4
ENSMUSG000000029822.15	521.0459149	-0.531181315	0.054413015	0.087992363	Osbpl3

ENSMUSG00000030842.12	2154.41773	0.407483567	0.054443082	0.088030534	Lamtor1
ENSMUSG00000100837.7	2.138117348	3.371224649	0.054440858	0.088030534	RP24-531B21.1
ENSMUSG00000077549.1	3.207097581	-2.646822914	0.054458692	0.088050549	Snord71
ENSMUSG00000050447.15	89.18984884	-0.764766181	0.054478745	0.088077743	Lypd6
ENSMUSG00000111404.1	12.6573176	1.354861473	0.054513925	0.08812939	RP24-185I21.2
ENSMUSG00000079138.3	52.85585281	-0.623232129	0.054541417	0.088168602	AC117550.1
ENSMUSG00000020774.9	1.570783488	4.022118158	0.054560159	0.088193665	Aspa
ENSMUSG00000031461.4	8.02467232	1.515284177	0.054565103	0.088196424	Myom2
ENSMUSG00000098068.1	7.02987532	1.967201027	0.054580815	0.088216586	RP23-239F10.2
ENSMUSG00000110616.1	2.483218623	4.675939319	0.054624807	0.088282451	RP23-357B4.2
ENSMUSG00000042414.7	1.729929433	4.147189063	0.054650829	0.088314028	Prdm14
ENSMUSG00000111489.1	1.729929433	4.147189063	0.054650829	0.088314028	RP23-72D18.1
ENSMUSG00000079658.9	4084.790079	0.431562888	0.054735693	0.08844592	Eloc
ENSMUSG00000019326.14	32.73194218	-1.228017479	0.054789036	0.088526863	Aoc3
ENSMUSG00000030064.16	2482.277992	-0.532586894	0.054898603	0.088698639	Frm4b
ENSMUSG00000115916.1	114.7577062	0.714161148	0.054920725	0.088729118	RP24-467H19.1
ENSMUSG00000029402.8	456.0725722	0.434022474	0.055012146	0.088871546	Snmp35
ENSMUSG00000079140.3	88.28032367	-0.484662322	0.055056573	0.088938043	AC138359.3
ENSMUSG0000003549.9	640.5758836	0.314302867	0.055060478	0.088939078	Ercc1
ENSMUSG00000043789.7	25.91124651	-1.23366963	0.055071059	0.088950895	Vwce
ENSMUSG00000021032.13	7.249592456	1.695732907	0.055088519	0.088968545	Ngb
ENSMUSG00000108037.2	42.93117261	-0.670753993	0.055085384	0.088968545	RP24-503A2.6
ENSMUSG00000074818.12	11.11114099	1.469099966	0.055139057	0.089044887	Pdzd7
ENSMUSG00000095812.1	29.94397075	-0.799499862	0.055229594	0.089185809	RP23-191D20.1
ENSMUSG00000110120.1	6.883715928	1.786883884	0.055233803	0.08918732	RP23-60P23.7
ENSMUSG00000111664.1	30.80240696	0.913752494	0.055238843	0.089190172	RP24-86H7.3
ENSMUSG00000089728.2	2.704613239	-3.045655236	0.055258339	0.089216361	Clec2f
ENSMUSG00000064352.1	63.63515861	1.198137474	0.05526261	0.08921797	mt-Ts1
ENSMUSG00000031529.5	5656.844268	-0.634122766	0.055302893	0.089277713	Tnks
ENSMUSG00000089828.2	6.918371759	-1.459201809	0.055343102	0.089333952	AC157584.1
ENSMUSG00000097386.1	2.902321684	3.871711437	0.055344288	0.089333952	9130213A22Rik
ENSMUSG00000098434.1	4.944667455	1.913728819	0.055379943	0.089386207	RP23-279M5.1
ENSMUSG00000061684.5	11.39851308	1.16866661	0.055451056	0.089495686	Rpl21-ps8
ENSMUSG00000040234.16	1632.300963	0.317681292	0.055489216	0.089551968	Tm7sf3
ENSMUSG00000054618.8	3.125999828	-3.282269103	0.055576665	0.089687786	AC171318.1
ENSMUSG0000006932.17	28999.85163	-0.32045931	0.055604502	0.089717871	Ctnnb1
ENSMUSG00000035769.9	113.2639629	0.567943817	0.055605188	0.089717871	Xylb
ENSMUSG00000102915.1	47.20435994	-0.942981273	0.055604522	0.089717871	W11-2736D10.3
ENSMUSG00000028607.16	914.2833504	-0.320544759	0.055669575	0.089816048	Cpt2
ENSMUSG00000032015.16	5.091303512	-2.528164967	0.05567263	0.089816048	Pou2f3
ENSMUSG00000038780.14	1867.396673	0.658697102	0.055699215	0.089853616	Smurf1
ENSMUSG00000108677.1	2.626240951	3.69089686	0.055710701	0.089866824	RP24-159C12.10
ENSMUSG00000081004.1	14.15323818	1.231210867	0.055732753	0.089897072	RP23-11P22.13
ENSMUSG00000082348.1	810.3814225	-0.282538178	0.055840957	0.090066272	RP23-214P11.2
ENSMUSG00000109572.1	2.321169761	3.494995846	0.055903724	0.090162172	Cfap99
ENSMUSG00000095675.1	2.738000512	-3.004092153	0.055951024	0.090227775	Ccl21b
ENSMUSG00000096596.1	2.738000512	-3.004092153	0.055951024	0.090227775	Gm10591
ENSMUSG00000040934.14	1585.92913	0.34492757	0.056010031	0.090312238	Pias4
ENSMUSG00000094090.2	3846.801717	0.347689288	0.056007359	0.090312238	RP23-21B19.9
ENSMUSG00000024566.9	1855.698393	0.414315811	0.05628785	0.09075483	Atp9b
ENSMUSG00000053291.15	13.01420432	-1.239213442	0.056293003	0.090757767	Rab4b
ENSMUSG00000052914.4	200.3327023	-0.353224133	0.056353384	0.090849739	Cyp2j6
ENSMUSG00000051054.4	35.59839175	0.701442505	0.056383749	0.090893312	RP23-137C6.4
ENSMUSG00000030187.15	2.199978773	3.440853599	0.056407679	0.090895186	Klra2
ENSMUSG00000047227.5	89.22970903	0.51667687	0.056401076	0.090895186	RP23-377111.1
ENSMUSG00000096437.1	2.023894725	-3.497437832	0.056408267	0.090895186	Rps12-ps16
ENSMUSG00000106437.1	1.408797007	3.865764289	0.056403177	0.090895186	RP24-285A14.2
ENSMUSG00000107681.1	1.408797007	3.865764289	0.056403177	0.090895186	RP23-121E15.5
ENSMUSG00000109790.1	2.023894725	-3.497437832	0.056408267	0.090895186	RP23-211B19.3
ENSMUSG00000114067.1	1.408797007	3.865764289	0.056403177	0.090895186	RP24-146I24.7
ENSMUSG00000049477.5	174.8010926	-0.407735746	0.056470896	0.090990723	RP23-396K22.2
ENSMUSG00000028451.12	12.69057441	1.55184555	0.056508345	0.091045679	RP23-124L1.4
ENSMUSG00000031467.10	3200.5801	-0.287808841	0.05656657	0.091118008	Agpat5
ENSMUSG00000035262.5	32.65808692	0.72782981	0.056556907	0.091118008	Amh
ENSMUSG00000099608.1	1.580160478	4.031165397	0.056569961	0.091118008	RP23-249J23.2
ENSMUSG00000104284.1	1.580160478	4.031165397	0.056569961	0.091118008	RP23-74F20.2
ENSMUSG00000110441.1	1.580160478	4.031165397	0.056569961	0.091118008	RP23-94M23.4
ENSMUSG000000102565.1	1.887524913	-3.391027386	0.056592535	0.091143591	RP23-309A8.3
ENSMUSG00000103122.1	1.887524913	-3.391027386	0.056592535	0.091143591	RP23-340N22.2
ENSMUSG00000032012.8	2299.286605	-0.472873548	0.056673798	0.091269071	Nectin1
ENSMUSG00000083729.1	15.16830759	1.140179956	0.056692016	0.091293013	Sh3d2c-ps1
ENSMUSG00000027867.10	3.049092899	-2.53607223	0.056739429	0.091363964	Spag17
ENSMUSG00000021275.16	817.3512429	0.582683901	0.056744189	0.091366227	Tecpr2
ENSMUSG00000081751.1	66.78672561	0.999786837	0.056757914	0.091382926	RP23-71H9.1
ENSMUSG000000052921.13	198.1138299	0.392507584	0.05681636	0.091471619	Arhgef15
ENSMUSG00000102940.1	1.457944053	3.908057948	0.056886353	0.091573481	RP23-267J24.2
ENSMUSG00000107431.1	1.457944053	3.908057948	0.056886353	0.091573481	RP24-243E15.4
ENSMUSG00000051726.6	7.056862767	1.807118722	0.057037997	0.091812167	Kcnf1
ENSMUSG00000064032.2	5.806883592	1.900803418	0.057065807	0.091851505	AC132148.3
ENSMUSG00000114095.1	8.89806468	1.529117004	0.057081007	0.091870541	RP24-182I14.5
ENSMUSG00000096448.2	42.8753392	-1.058112833	0.057084825	0.091871258	RP24-106E17.5
ENSMUSG00000038756.13	5.594922188	-1.810258669	0.05714431	0.09196156	Tll6
ENSMUSG00000112375.1	6.00055939	1.730339476	0.057207767	0.092058242	RP23-402A24.3

ENSMUSG00000037603.6	15.08634229	-1.594896237	0.05723939	0.092103689	Gm5519
ENSMUSG00000021906.14	688.0370737	0.26984991	0.057263977	0.09213781	Oxnad1
ENSMUSG000000112496.2	3.360446307	3.099106375	0.057307008	0.092201602	RP23-228C13.2
ENSMUSG000000040359.14	1527.793236	-0.391171337	0.05732051	0.092212432	Ufl1
ENSMUSG000000042357.2	11.5879793	-1.4496912	0.057317866	0.092212432	Gjb5
ENSMUSG000000038242.12	14.45885929	1.044818311	0.057337273	0.092233952	Aox4
ENSMUSG000000072653.13	4.802319654	3.721471386	0.057343017	0.092237747	Zfp783
ENSMUSG000000086839.7	7.46496193	2.145134899	0.057364648	0.092267093	RP23-74L9.6
ENSMUSG0000000031351.15	445.8645745	-0.417474212	0.05737106	0.092271957	Zfp185
ENSMUSG000000054604.7	3450.07775	0.23490159	0.057415757	0.092338394	Cggbp1
ENSMUSG000000021811.7	2674.280917	0.32207018	0.057428385	0.092353251	Dnajc9
ENSMUSG000000027408.7	990.3735057	0.335217551	0.057451856	0.092370826	Cpxm1
ENSMUSG000000043468.4	2.226804023	4.540514422	0.057442854	0.092370826	Adam30
ENSMUSG000000044934.13	817.9323438	-0.286361993	0.05745376	0.092370826	Zfp367
ENSMUSG000000090358.1	2.360939818	3.517599839	0.057456268	0.092370826	RP24-167E3.1
ENSMUSG000000102865.1	1.864147029	-3.375901831	0.057455451	0.092370826	RP24-390L20.1
ENSMUSG000000108551.1	31.55933577	0.877711033	0.057494139	0.092426257	RP23-74N13.1
ENSMUSG00000000392.17	1.446239245	3.8977368	0.057542188	0.092470758	Fap
ENSMUSG000000043286.11	1.446239245	3.8977368	0.057542188	0.092470758	Pnpla1
ENSMUSG0000000049037.8	2.391954589	-3.758580829	0.057527291	0.092470758	Clec4a1
ENSMUSG00000074486.2	1.446239245	3.8977368	0.057542188	0.092470758	Bglap2
ENSMUSG000000077830.1	1.446239245	3.8977368	0.057542188	0.092470758	Gm26050
ENSMUSG000000115811.1	1.446239245	3.8977368	0.057542188	0.092470758	RP23-244N5.5
ENSMUSG000000009090.17	6169.113565	0.284867397	0.05755166	0.092480524	Ap1b1
ENSMUSG000000089512.3	4.916460175	-2.46830232	0.057578924	0.092518878	Gm26287
ENSMUSG000000087578.1	28.39819247	0.912275382	0.057594639	0.09253867	Ccdc142os
ENSMUSG000000114780.1	15.27696265	-0.977060851	0.057613333	0.092563247	RP23-157D19.1
ENSMUSG000000054400.16	371.0763671	-0.32192759	0.057633038	0.092589445	Cklf
ENSMUSG000000039934.12	25.15525926	-1.081498212	0.057657057	0.09262257	Gsap
ENSMUSG000000107856.1	2.87277233	-3.117805098	0.057667325	0.092633602	RP24-322F4.1
ENSMUSG0000000029073.14	29.93020795	0.971201741	0.057734761	0.09273646	Tnfrsf25
ENSMUSG000000020261.15	875.2217128	0.586973476	0.057910764	0.09301368	Slc36a1
ENSMUSG000000084015.1	1.425112091	-4.052257994	0.057923411	0.093028508	RP23-46P4.5
ENSMUSG000000112420.1	3.397856815	3.065183734	0.057978423	0.093111372	RP24-401F19.2
ENSMUSG000000087288.1	10.27397735	-1.809648868	0.058001015	0.093142163	RP23-314D24.2
ENSMUSG000000084264.1	1.900941003	-3.392350376	0.058010689	0.093152206	RP23-193L22.4
ENSMUSG000000039089.15	1552.950621	0.253543924	0.058125899	0.093331706	L3mbtl3
ENSMUSG000000025069.14	18.48008889	1.32128558	0.058182156	0.093416532	Gsto2
ENSMUSG000000106604.1	2.725001247	2.77398668	0.058217195	0.093467281	RP23-79E5.5
ENSMUSG000000104116.1	7.648710695	1.555742341	0.058244466	0.093505554	RP23-61D6.5
ENSMUSG000000034917.8	68.25057567	-0.572181875	0.058356877	0.093680497	Tjp3
ENSMUSG000000070360.5	2.149079009	4.487205364	0.058386556	0.093717096	Amy2a1
ENSMUSG000000083079.4	2.149079009	4.487205364	0.058386556	0.093717096	Amy2b
ENSMUSG000000048442.15	3.361984462	3.128696668	0.058413179	0.093754305	Smim5
ENSMUSG000000049866.12	3752.06683	0.261253557	0.058471695	0.093842695	Arl4c
ENSMUSG0000000026175.12	6.127629545	-1.763837683	0.058546019	0.093956445	Vil1
ENSMUSG000000097779.1	11.49993682	-1.16992647	0.058595594	0.094030464	4833407H14Rik
ENSMUSG000000030811.14	4566.967274	0.391590623	0.058616068	0.094057779	Fbxl19
ENSMUSG000000026989.5	2.950380912	2.88340413	0.058627305	0.094065382	Dapl1
ENSMUSG000000075704.16	512.5253137	-0.273393841	0.058627712	0.094065382	Txnrd2
ENSMUSG000000089695.2	204.3879224	0.586481636	0.058632042	0.09406679	RP23-351C7.5
ENSMUSG000000025532.13	1437.362934	0.274086828	0.058690949	0.094155752	Crcp
ENSMUSG000000090207.2	25.88020501	0.849122426	0.05871456	0.094188084	RP23-201C3.1
ENSMUSG000000097155.1	1.411711867	-4.040515512	0.05873707	0.094218645	RP23-402N3.5
ENSMUSG000000092021.8	8.673132834	2.540507623	0.058890348	0.094458953	Gbp11
ENSMUSG000000003955.8	1258.347578	-0.629946712	0.058911353	0.094487081	Fam162a
ENSMUSG000000026791.14	588.3579712	-0.263529516	0.058944142	0.094534105	Slc2a8
ENSMUSG000000044937.15	121.9861355	0.715040755	0.058977358	0.094581809	Ttc41
ENSMUSG000000049103.14	1.420501814	3.876388695	0.058995631	0.094594408	Ccr2
ENSMUSG000000107379.1	1.420501814	3.876388695	0.058995631	0.094594408	RP23-8L20.6
ENSMUSG000000109684.1	1.870847142	-3.380298085	0.058992081	0.094594408	RP23-106I21.6
ENSMUSG000000104325.1	1.869135859	-3.378991197	0.059063259	0.094697269	RP23-392C14.1
ENSMUSG000000097012.1	9.290729647	1.342681181	0.059132112	0.094802083	RP23-91L18.5
ENSMUSG000000086487.1	2.187248529	3.395409143	0.059206447	0.094915672	RP23-35E7.5
ENSMUSG000000082815.2	163.6006681	0.610159349	0.059232213	0.094951392	RP23-159D11.3
ENSMUSG000000082424.4	4.407170824	-2.293450604	0.059286049	0.095032101	RP23-428M4.1
ENSMUSG000000073867.2	21.93896947	0.945030192	0.059331491	0.095099346	RP24-310M4.2
ENSMUSG000000057396.7	253.3142849	0.34080626	0.059390678	0.095188612	Zfp759
ENSMUSG000000025208.8	1843.672868	0.450087877	0.059414208	0.095220723	Mrpl43
ENSMUSG000000114858.1	154.5069769	-0.821245046	0.05943146	0.095242769	RP23-81N4.5
ENSMUSG0000000081143.2	2.73179439	4.814030277	0.059463988	0.095283687	AC131679.2
ENSMUSG000000093059.2	2.73179439	4.814030277	0.059463988	0.095283687	Gm24809
ENSMUSG000000024306.12	1.495386292	3.940110703	0.05951556	0.095299292	Ccdc178
ENSMUSG000000059654.7	1.495386292	3.940110703	0.05951556	0.095299292	Reg1
ENSMUSG000000079479.2	3.400848541	-3.167455594	0.059499814	0.095299292	RP23-149P4.4
ENSMUSG000000094948.2	1.495386292	3.940110703	0.05951556	0.095299292	RP24-346O11.1
ENSMUSG000000097003.1	2.068237565	3.333646152	0.059486918	0.095299292	RP24-89G21.5
ENSMUSG000000098055.1	1.495386292	3.940110703	0.05951556	0.095299292	RP24-189K8.2
ENSMUSG000000099701.1	1.857446917	-3.371365242	0.059519204	0.095299292	RP24-315B17.1
ENSMUSG000000102389.1	1.495386292	3.940110703	0.05951556	0.095299292	RP24-272N10.6
ENSMUSG000000102410.1	1.495386292	3.940110703	0.05951556	0.095299292	RP23-113I7.1
ENSMUSG000000104869.1	1.495386292	3.940110703	0.05951556	0.095299292	RP23-54L16.2
ENSMUSG000000104914.1	1.857446917	-3.371365242	0.059519204	0.095299292	Mir7061

ENSMUSG00000108479.1	1.495386292	3.940110703	0.05951556	0.095299292	RP23-325D10.6
ENSMUSG00000113698.1	1.495386292	3.940110703	0.05951556	0.095299292	RP23-132E20.4
ENSMUSG000000041119.11	298.828738	0.328324214	0.059527884	0.095307588	Pde9a
ENSMUSG00000074591.7	3.038785296	2.906939328	0.059552112	0.09533907	Ankub1
ENSMUSG00000078442.3	2.168859475	3.39549825	0.059554546	0.09533907	Ccdc105
ENSMUSG00000111045.1	2.410086864	3.547036197	0.059567501	0.095354204	RP24-366E11.4
ENSMUSG00000110514.1	108.5191416	0.481125419	0.059624111	0.095439218	RP23-114B10.5
ENSMUSG00000103030.1	3.347512285	2.468755864	0.059631435	0.095445332	RP23-16N14.2
ENSMUSG00000028865.14	16.5063833	1.168203892	0.059665201	0.095493767	Cd164I2
ENSMUSG00000033149.17	887.5053999	-0.432872765	0.059746106	0.095617638	Phldb2
ENSMUSG00000112598.1	1.521636442	3.982450828	0.059769008	0.095648671	RP23-474O21.1
ENSMUSG00000105529.1	27.45290078	-1.055252404	0.059831149	0.095742491	RP24-86C15.1
ENSMUSG00000022323.11	604.8232808	-0.356532688	0.059839026	0.09574947	Hrsp12
ENSMUSG00000103423.1	677.3828316	-0.569467411	0.059854137	0.095768025	RP23-349K2.1
ENSMUSG00000018973.2	7.309975568	1.701363072	0.059880957	0.095788434	Hoxb1
ENSMUSG000000085257.2	1.393322812	-4.024450976	0.059878224	0.095788434	RP23-147F6.3
ENSMUSG00000098672.1	1.393322812	-4.024450976	0.059878224	0.095788434	Mir6911
ENSMUSG00000107448.1	1.393322812	-4.024450976	0.059878224	0.095788434	RP23-296N5.2
ENSMUSG00000027901.12	11.75813674	-1.280123402	0.05995468	0.095900733	Dennd2d
ENSMUSG000000054745.1	1.470161578	3.941422202	0.059962894	0.095908241	Gm9955
ENSMUSG00000104158.2	3.749559322	2.674724238	0.060019068	0.095992453	Becn2
ENSMUSG000000085238.1	4.123302795	2.306676392	0.060026682	0.095998995	RP23-158O11.6
ENSMUSG000000087054.1	4.419148128	2.038109066	0.060054807	0.096038335	RP23-100C7.9
ENSMUSG000000071392.6	2.743390301	2.750206921	0.060059119	0.096039594	Ect2l
ENSMUSG00000042599.8	1551.904214	-0.237914264	0.060108227	0.096111735	Kdm7a
ENSMUSG00000095360.7	5.617967957	-1.951889822	0.060111289	0.096111735	RP23-188F24.6
ENSMUSG000000034951.10	822.4552131	0.335082303	0.060128315	0.096133315	Cog7
ENSMUSG00000046207.14	3.800891385	-2.451532611	0.06023974	0.096305809	Pik3r6
ENSMUSG00000035392.17	928.7907067	0.451169554	0.060270541	0.096349397	Dennd1a
ENSMUSG000000082746.1	5471.524603	-0.696725692	0.060333101	0.096443747	Rps12-ps1
ENSMUSG000000113592.3	9.560948595	-1.379137594	0.060354522	0.096472328	Omp
ENSMUSG00000073145.6	1.397092199	3.855368876	0.060395402	0.096526345	RP23-373H2.4
ENSMUSG000000085463.1	1.397092199	3.855368876	0.060395402	0.096526345	RP24-326B24.1
ENSMUSG00000112673.1	4746.806624	-0.556161177	0.060494516	0.09667908	RP24-418P10.4
ENSMUSG00000017778.14	4814.262042	0.517997358	0.060559432	0.096777149	Cox7c
ENSMUSG00000052759.7	1.458456771	3.931358511	0.060653908	0.096922441	Gpr25
ENSMUSG000000090114.1	786.0033617	-0.349620746	0.060687289	0.096970093	AC123798.1
ENSMUSG000000081974.3	8.556960291	-1.304176876	0.060703998	0.096991103	RP23-173M6.3
ENSMUSG00000087270.2	3.463682713	2.471895711	0.060724875	0.09701877	RP23-138K13.1
ENSMUSG00000024437.6	413.2884744	-0.625198834	0.060763065	0.097074093	RP23-408A1.5
ENSMUSG00000113756.1	29.88448382	-0.833581119	0.060774883	0.097087278	RP23-77K24.1
ENSMUSG000000113592.1	2.892505141	2.904783551	0.060793164	0.097110788	RP23-158L14.2
ENSMUSG00000104815.1	2.181073848	-4.666659142	0.060801957	0.097119138	Trav5-2
ENSMUSG000000065944.1	14.46573425	1.126896884	0.060820024	0.097142302	Rnu2-10
ENSMUSG00000006117.10	3.111838809	2.931158955	0.060837765	0.097164941	Zap70
ENSMUSG000000109379.1	28.39485981	0.848484925	0.060841621	0.097165402	RP23-209B2.2
ENSMUSG00000034445.7	114.6989765	0.603953032	0.060902839	0.097257468	Cyb561a3
ENSMUSG00000093732.1	1.376645041	-4.009951739	0.060938258	0.097308325	RP23-60H16.1
ENSMUSG00000026925.16	583.3262435	0.555885087	0.060942065	0.0973087	Inpp5e
ENSMUSG00000082417.1	883.2195003	-0.514672451	0.060947714	0.097312017	RP23-463G15.2
ENSMUSG00000115570.1	3.884441126	-2.463180913	0.061043829	0.097459766	RP23-226A4.5
ENSMUSG00000064970.1	3.953511216	-2.80008147	0.061104958	0.097551645	Gm23690
ENSMUSG000000053390.15	637.4517132	0.429227389	0.061154447	0.09762493	Zfp952
ENSMUSG00000041961.14	1554.627335	-0.556480384	0.061224876	0.097731634	Znrf3
ENSMUSG00000083863.1	23746.0702	0.235822862	0.061274546	0.09780519	RP23-407K8.4
ENSMUSG00000020695.14	2954.380975	0.390725798	0.06130801	0.097852871	Mrc2
ENSMUSG00000109206.1	21.4213261	-0.845095773	0.061326818	0.097877155	RP24-417N13.4
ENSMUSG00000109495.1	643.9781019	-0.419149366	0.06133383	0.097882612	RP23-419K14.11
ENSMUSG00000105453.1	3.215493111	-2.677816107	0.061338219	0.097883882	RP23-31L10.4
ENSMUSG000000085130.1	1.369944929	-4.003964287	0.061375357	0.097937411	RP23-397J5.2
ENSMUSG00000096980.1	3.996943454	2.26380629	0.061402854	0.097975549	Gm26526
ENSMUSG00000096433.1	351.9525799	0.338666851	0.061434975	0.098021061	Zfp994
ENSMUSG00000007440.10	41.34297796	0.968992262	0.061440479	0.098024101	Pcdha10
ENSMUSG00000091478.2	4848.99803	0.549104825	0.061444145	0.09802421	RP23-392I3.13
ENSMUSG00000050100.14	3.788121879	2.162415334	0.061477477	0.09806828	Hmx2
ENSMUSG00000104378.1	9.554429474	1.560523396	0.061478969	0.09806828	RP23-323H18.2
ENSMUSG00000113880.1	9.178512239	2.055877433	0.061518412	0.098125451	RP23-149C6.5
ENSMUSG000000041674.16	2.339643458	4.611467726	0.061555878	0.098174272	RP23-349B9.1
ENSMUSG00000098054.1	3.525570076	-2.261451772	0.061556227	0.098174272	RP23-94F11.7
ENSMUSG00000097893.8	5.963896028	2.204816236	0.06159973	0.098237902	RP23-228O9.1
ENSMUSG000000085015.1	3.447621476	2.493074343	0.061771226	0.098505633	RP23-190O13.3
ENSMUSG00000029475.17	3418.497238	-0.415919652	0.061826485	0.098587983	Kdm2b
ENSMUSG00000111308.1	4.256648928	1.957603355	0.061877888	0.098664175	RP24-531B21.5
ENSMUSG00000018559.16	2656.863573	0.226634069	0.061894704	0.098679437	Ctdnep1
ENSMUSG000000020973.7	220.243804	-0.577725924	0.061894321	0.098679437	Dnaaf2
ENSMUSG00000025188.15	329.3232363	-0.43934652	0.061900854	0.098683465	Hps1
ENSMUSG00000112819.1	17.85939088	-1.352097752	0.061905347	0.098684854	RP23-118L13.5
ENSMUSG000000084127.1	325.2302655	0.437273239	0.061955144	0.098758458	RP23-383I4.7
ENSMUSG000000073117.2	1.371354768	3.833611976	0.061962936	0.09875932	RP24-162F23.5
ENSMUSG00000085864.1	1.371354768	3.833611976	0.061962936	0.09875932	RP23-319N7.2
ENSMUSG00000000959.7	2507.604438	-0.218326261	0.061981388	0.098782951	Oxa1l
ENSMUSG00000106224.1	2.215099216	4.532994657	0.061987477	0.098786876	RP24-404P10.2
ENSMUSG00000020323.14	2.246813868	3.475137063	0.062004614	0.098802652	Prss57

ENSMUSG00000113424.1	2.877959798	2.882449709	0.06200463	0.098802652	RP23-372H19.4
ENSMUSG00000074704.9	1.430100921	-4.056690515	0.062033456	0.098842803	Rad21l
ENSMUSG00000084132.2	2.760099803	2.771490598	0.062039677	0.09884579	AC115901.1
ENSMUSG00000104021.1	1.481866386	3.951191527	0.062046215	0.09884579	RP23-387L22.3
ENSMUSG00000105923.4	1.481866386	3.951191527	0.062046215	0.09884579	RP24-377E5.1
ENSMUSG00000084433.1	10.05075468	-1.632715495	0.06205106	0.098847726	Gm25945
ENSMUSG00000020703.3	2.102259781	4.457425575	0.06209987	0.098919698	RP23-350G1.1
ENSMUSG00000082332.2	68.85436514	-0.641846914	0.062106001	0.098923679	RP23-413M3.2
ENSMUSG00000023267.10	2.712553293	3.773952038	0.06211465	0.098925887	Gabbr2
ENSMUSG00000025260.10	3764.817255	0.52964903	0.062114292	0.098925887	Hsd17b10
ENSMUSG00000026466.16	1163.982699	-0.253940225	0.062153273	0.098981613	Tor1aip1
ENSMUSG00000085196.1	15.66978188	1.322250438	0.062166314	0.098996593	AC127556.5
ENSMUSG00000015980.14	228.4796061	0.335855343	0.062256996	0.099135205	Lrrc27
ENSMUSG00000111176.1	24.03107269	0.86911608	0.062279652	0.099165485	RP23-128A23.3
ENSMUSG00000086320.1	6.513725645	1.647895985	0.062310667	0.09920907	RP23-99G21.3
ENSMUSG00000106947.1	2.536470014	-2.940133161	0.062347646	0.099262146	RP23-213N8.1
ENSMUSG00000020758.15	4.390689842	2.015327686	0.062379755	0.099307461	ltgb4
ENSMUSG00000031520.6	78.67046857	0.561624028	0.062404545	0.099341122	Vegfc
ENSMUSG00000031758.10	34.08034419	0.915475981	0.062512781	0.099507606	Cdyl2
ENSMUSG00000098222.2	20.9221334	-1.029485973	0.062520243	0.09951367	RP23-269P8.1
ENSMUSG00000113183.1	3.658635322	2.583963088	0.062527587	0.099519545	RP23-241N10.2
ENSMUSG00000059706.4	3.311221014	2.38327192	0.062534198	0.099524252	RP23-338K8.1
ENSMUSG00000087528.1	4.969022856	-1.962085019	0.06254329	0.099532907	RP23-160G19.3
ENSMUSG00000021098.14	42.45534478	-0.682345613	0.062566266	0.099563656	Six6os1
ENSMUSG00000109209.1	63.62192033	0.635000078	0.062609389	0.099626459	RP23-229E19.4
ENSMUSG00000083816.3	40.95969366	-0.727266342	0.062630106	0.099653603	RP23-464L12.4
ENSMUSG00000090248.1	4.524047452	2.497404934	0.062702995	0.099747732	RP23-24M22.5
ENSMUSG00000093589.1	1.359649961	3.82291085	0.062711233	0.099747732	RP23-238B22.2
ENSMUSG00000096982.1	1.359649961	3.82291085	0.062711233	0.099747732	Redrum
ENSMUSG00000097933.2	1.359649961	3.82291085	0.062711233	0.099747732	RP23-143J5.6
ENSMUSG00000107645.2	1.359649961	3.82291085	0.062711233	0.099747732	Olfir1380
ENSMUSG00000115480.1	1.359649961	3.82291085	0.062711233	0.099747732	RP24-498G7.1
ENSMUSG00000038126.17	977.1743825	-0.534853843	0.062755659	0.099812568	Mphosph9
ENSMUSG00000014959.12	3397.406336	-0.213817057	0.06282898	0.099918337	Gorasp2
ENSMUSG00000018821.3	318.3769209	-0.70612853	0.062833163	0.099918337	Avpi1
ENSMUSG00000071711.12	1156.188653	-0.453783811	0.062831674	0.099918337	Mpst
ENSMUSG00000020453.17	2877.812713	-0.418040501	0.062871127	0.099972872	Patz1
ENSMUSG00000112000.1	4.003114983	2.229006078	0.062878456	0.099978691	RP23-79J15.5
ENSMUSG00000026435.15	158.8505647	0.622534652	0.062883607	0.099981045	Slc45a3